Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1A)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
Existing NSR										
N01-01	-	Negligible[1]	68	68	Negligible[1]	68	68	-	-	No
Planned NSRs										
101-01	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
101-01	2	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
101-01	3	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
101-01	4	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
101-01	5	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
101-01	6	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
101-01	7	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
101-01	8	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
101-01	9	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
101-01	10	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
101-01	11	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
101-01	12	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
101-01	13	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
101-01	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
101-01	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
101-01	16	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
101-01	17	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
101-03	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
101-03	2	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
101-03	3	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
101-03	4	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
101-03	5	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
101-03	6	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
101-03	7	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
101-03	8	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
101-03	9	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
101-03	10	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
101-03	11	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
101-03	12	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
101-03	13	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
101-03	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
101-03	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
101-03	16	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
101-03	17	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
101-04	1	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
101-04	2	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
101-04	3	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
101-04	4	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
101-04	5	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
101-04	6	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
101-04	7	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
101-04	8	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
101-04	9	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
101-04	10	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
101-04	11	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
101-04	12	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
101-04	13	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
101-04	14	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
101-04	15	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
101-04	16	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
101-04	17	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
101-05	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
101-05	2	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
101-05	3	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
101-05	4	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
101-05	5	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
101-05	6	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
101-05	7	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
101-05	8	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
101-05	9	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
101-05	10	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
101-05	11	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
101-05	12	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
101-05	13	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
101-05	14	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
101-05	15	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
101-05	16	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
101-05	17	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
101-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-06	11	43	Negligible[1]	43	40	Negligible[1]	40	70	60	No
101-06	12	43	Negligible[1]	43	41	Negligible[1]	41	70	60	No
101-06	13	44	Negligible[1]	44	42	Negligible[1]	42	70	60	No
101-06	14	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
101-06	15	45	Negligible[1]	45	43	Negligible[1]	43	70	60	No
101-06	16	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1A)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
101-06	17	46	Negligible[1]	46	44	Negligible[1]	44	70	60	No
103-01	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	13	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
103-01	14	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
103-01	15	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
103-01	16	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
103-01	17	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
103-01	18	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
103-03	1	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	2	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	3	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	7	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	8	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	9	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	13	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-03	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-03	16	40	50	50	Negligible[1]	50	50	70	60	No
103-03	17	44	50	51	41	50	51	70	60	No
103-03	18	45	51	51	42	51	51	70	60	No
103-04	1	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	2	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	3	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
103-04	4	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	5	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	6	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	7	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	8	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	9	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	10	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	11	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	12	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	13	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	14	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
103-04	15	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
103-04	16	40	47	48	Negligible[1]	47	47	70	60	No
103-04	17	44	47	49	42	47	48	70	60	No
103-04	18	45	47	49	42	47	48	70	60	No
103-05	1	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
103-05	2	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
103-05	3	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	7	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	8	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	9	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	13	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	14	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	15	40	49	49	Negligible[1]	49	49	70	60	No
103-05	16	45	49	50	42	49	50	70	60	No
103-05	17	45	49	51	43	49	50	70	60	No
103-05	18	46	49	51	43	49	50	70	60	No
103-06	1	Negligible[1]	42	42	Negligible[1]	42	42	65	55	No
103-06	2	Negligible[1]	42	42	Negligible[1]	42	42	65	55	No
103-06	3	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
103-06	4	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
103-06	5	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
103-06	6	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
103-06	7	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
103-06	8	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
103-06	9	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
103-06	10	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
103-06	11	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
103-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1A)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
103-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
103-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
103-06	15	44	Negligible[1]	44	42	Negligible[1]	42	65	55	No
103-06	16	45	Negligible[1]	45	42	Negligible[1]	42	65	55	No
103-06	17	46	Negligible[1]	46	43	Negligible[1]	43	65	55	No
103-06	18	46	Negligible[1]	46	44	Negligible[1]	44	65	55	No
104-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
104-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
104-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
104-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
104-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
104-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
104-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
104-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
104-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
104-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
104-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
104-04	12	41	Negligible[1]	41	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
104-04	13	41	Negligible[1]	41	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
104-04	14	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
104-04	15	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
104-04	16	46	Negligible[1]	46	44	Negligible[1]	44	70	60	No
104-04	17	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
104-04	18	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
107-01	1	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	2	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	3	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	4	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	5	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	6	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	7	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1A)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
107-01	8	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	9	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	10	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	11	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	12	43	Negligible[1]	43	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	13	43	Negligible[1]	43	40	Negligible[1]	40	70	60	No
107-01	14	43	Negligible[1]	43	41	Negligible[1]	41	70	60	No
107-01	15	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
107-01	16	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
107-01	17	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
107-01	18	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
107-03	1	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	2	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	3	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	4	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	5	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	6	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	7	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	8	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	9	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	10	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	11	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	12	43	Negligible[1]	43	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	13	43	Negligible[1]	43	40	Negligible[1]	40	70	60	No
107-03	14	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
107-03	15	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
107-03	16	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
107-03	17	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
107-03	18	49	Negligible[1]	49	47	Negligible[1]	47	70	60	No
107-04	1	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-04	2	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-04	3	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-04	4	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-04	5	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-04	6	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-04	7	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-04	8	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-04	9	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-04	10	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-04	11	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-04	12	43	Negligible[1]	43	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-04	13	43	Negligible[1]	43	40	Negligible[1]	40	70	60	No
107-04	14	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
107-04	15	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
107-04	16	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
107-04	17	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
107-04	18	49	Negligible[1]	49	47	Negligible[1]	47	70	60	No
107-05	1	42	41	44	Negligible[1]	41	41	70	60	No
107-05	2	42	41	44	Negligible[1]	41	41	70	60	No
107-05	3	42	41	44	Negligible[1]	41	41	70	60	No
107-05	4	42	42	45	Negligible[1]	42	42	70	60	No
107-05	5	42	42	45	Negligible[1]	42	42	70	60	No
107-05	6	42	42	45	Negligible[1]	42	42	70	60	No
107-05	7	42	42	45	Negligible[1]	42	42	70	60	No
107-05	8	42	42	45	Negligible[1]	42	42	70	60	No
107-05	9	42	42	45	Negligible[1]	42	42	70	60	No
107-05	10	42	41	45	Negligible[1]	41	41	70	60	No
107-05	11	43	41	45	Negligible[1]	41	41	70	60	No
107-05	12	43	41	45	40	41	44	70	60	No
107-05	13	44	41	46	41	41	44	70	60	No
107-05	14	45	41	47	42	41	45	70	60	No
107-05	15	46	41	48	44	41	46	70	60	No
107-05	16	48	41	49	46	41	47	70	60	No
107-05	17	50	41	51	48	41	49	70	60	No
107-05	18	52	41	52	50	41	50	70	60	No
107-06	1	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-06	2	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-06	3	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-06	4	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-06	5	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-06	6	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-06	7	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-06	8	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-06	9	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-06	10	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-06	11	43	Negligible[1]	43	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-06	12	43	Negligible[1]	43	41	Negligible[1]	41	70	60	No
107-06	13	44	Negligible[1]	44	42	Negligible[1]	42	70	60	No
107-06	14	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
107-06	15	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
107-06	16	49	Negligible[1]	49	47	Negligible[1]	47	70	60	No
107-06	17	51	Negligible[1]	51	49	Negligible[1]	49	70	60	No
107-06	18	53	Negligible[1]	53	51	Negligible[1]	51	70	60	No
108-01	1	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-01	2	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1A)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
108-01	3	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-01	4	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-01	5	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-01	6	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-01	7	44	Negligible[1]	44	40	Negligible[1]	40	70	60	No
108-01	8	43	Negligible[1]	43	40	Negligible[1]	40	70	60	No
108-01	9	43	Negligible[1]	43	40	Negligible[1]	40	70	60	No
108-01	10	43	Negligible[1]	43	40	Negligible[1]	40	70	60	No
108-01	11	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-01	12	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-01	13	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-01	14	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-01	15	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
108-01	16	45	Negligible[1]	45	43	Negligible[1]	43	70	60	No
108-01	17	46	Negligible[1]	46	44	Negligible[1]	44	70	60	No
108-01	18	48	40	48	45	40	46	70	60	No
108-03	1	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-03	2	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-03	3	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-03	4	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-03	5	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-03	6	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-03	7	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-03	8	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-03	9	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-03	10	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-03	11	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-03	12	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-03	13	44	Negligible[1]	44	42	Negligible[1]	42	70	60	No
108-03	14	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
108-03	15	45	Negligible[1]	45	43	Negligible[1]	43	70	60	No
108-03	16	46	Negligible[1]	46	44	Negligible[1]	44	70	60	No
108-03	17	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
108-03	18	49	40	50	47	40	47	70	60	No
108-04	1	45	Negligible[1]	45	41	Negligible[1]	41	70	60	No
108-04	2	45	Negligible[1]	45	41	Negligible[1]	41	70	60	No
108-04	3	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-04	4	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-04	5	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-04	6	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-04	7	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-04	8	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-04	9	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-04	10	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-04	11	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-04	12	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-04	13	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-04	14	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-04	15	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
108-04	16	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
108-04	17	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
108-04	18	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
108-05	1	45	40	46	42	40	44	70	60	No
108-05	2	45	41	46	42	41	44	70	60	No
108-05	3	45	41	46	42	41	44	70	60	No
108-05	4	45	41	46	42	41	45	70	60	No
108-05	5	45	42	46	42	42	45	70	60	No
108-05	6	45	42	46	42	42	45	70	60	No
108-05	7	44	42	46	41	42	45	70	60	No
108-05	8	44	42	46	41	42	45	70	60	No
108-05	9	44	42	46	41	42	45	70	60	No
108-05	10	45	42	47	42	42	45	70	60	No
108-05	11	45	42	47	42	42	45	70	60	No
108-05	12	45	42	47	42	42	45	70	60	No
108-05	13	46	42	47	43	42	45	70	60	No
108-05	14	46	42	48	44	42	46	70	60	No
108-05	15	48	42	49	45	42	47	70	60	No
108-05	16	49	42	50	47	42	48	70	60	No
108-05	17	51	42	51	48	42	49	70	60	No
108-05	18	53	43	53	50	43	51	70	60	No
108-06	1	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
108-06	2	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
108-06	3	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
108-06	4	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
108-06	5	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
108-06	6	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
108-06	7	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
108-06	8	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
108-06	9	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
108-06	10	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
108-06	11	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
108-06	12	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
108-06	13	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
108-06	14	49	Negligible[1]	49	46	Negligible[1]	46	70	60	No
108-06	15	51	Negligible[1]	51	48	Negligible[1]	48	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1A)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
108-06	16	53	Negligible[1]	53	50	Negligible[1]	50	70	60	No
108-06	17	55	Negligible[1]	55	53	Negligible[1]	53	70	60	No
108-06	18	56	Negligible[1]	56	54	Negligible[1]	54	70	60	No
110-01	1	45	49	51	42	49	50	70	60	No
110-01	2	45	49	50	42	49	50	70	60	No
110-01	3	45	49	50	42	49	50	70	60	No
110-01	4	45	49	50	42	49	50	70	60	No
110-01	5	45	49	50	42	49	50	70	60	No
110-01	6	45	49	50	42	49	50	70	60	No
110-01	7	45	49	51	42	49	50	70	60	No
110-01	8	45	50	51	42	50	50	70	60	No
110-01	9	45	50	51	42	50	51	70	60	No
110-01	10	45	50	51	42	50	51	70	60	No
110-01	11	45	51	52	41	51	51	70	60	No
110-01	12	44	51	52	41	51	52	70	60	No
110-01	13	45	52	52	42	52	52	70	60	No
110-01	14	45	52	53	42	52	52	70	60	No
110-01	15	45	52	53	42	52	53	70	60	No
110-01	16	45	53	54	42	53	53	70	60	No
110-01	17	45	53	54	42	53	54	70	60	No
110-01	18	46	54	54	43	54	54	70	60	No
110-03	1	46	48	50	42	48	49	70	60	No
110-03	2	46	48	50	42	48	49	70	60	No
110-03	3	45	48	50	42	48	49	70	60	No
110-03	4	45	48	50	42	48	49	70	60	No
110-03	5	45	48	50	42	48	49	70	60	No
110-03	6	45	48	50	42	48	49	70	60	No
110-03	7	45	48	50	42	48	49	70	60	No
110-03	8	45	48	50	42	48	49	70	60	No
110-03	9	45	48	50	42	48	49	70	60	No
110-03	10	45	49	50	42	49	49	70	60	No
110-03	11	45	49	50	42	49	50	70	60	No
110-03	12	45	49	51	42	49	50	70	60	No
110-03	13	45	50	51	42	50	50	70	60	No
110-03	14	45	50	51	42	50	51	70	60	No
110-03	15	45	50	51	42	50	51	70	60	No
110-03	16	45	51	52	43	51	51	70	60	No
110-03	17	46	51	52	43	51	52	70	60	No
110-03	18	46	51	52	44	51	52	70	60	No
110-04	1	46	45	48	43	45	47	70	60	No
110-04	2	46	45	48	42	45	47	70	60	No
110-04	3	46	45	48	42	45	47	70	60	No
110-04	4	45	45	48	42	45	47	70	60	No
110-04	5	45	45	48	42	45	47	70	60	No
110-04	6	45	45	48	42	45	47	70	60	No
110-04	7	45	45	48	42	45	47	70	60	No
110-04	8	45	45	48	42	45	47	70	60	No
110-04	9	45	45	48	42	45	47	70	60	No
110-04	10	45	45	48	42	45	47	70	60	No
110-04	11	45	45	48	42	45	47	70	60	No
110-04	12	45	45	48	42	45	47	70	60	No
110-04	13	45	46	48	42	46	47	70	60	No
110-04	14	45	46	48	42	46	47	70	60	No
110-04	15	45	46	49	42	46	48	70	60	No
110-04	16	45	46	49	42	46	48	70	60	No
110-04	17	46	47	49	43	47	48	70	60	No
110-04	18	46	47	49	43	47	48	70	60	No
110-05	1	46	48	50	43	48	49	70	60	No
110-05	2	46	49	50	43	49	50	70	60	No
110-05	3	46	49	51	43	49	50	70	60	No
110-05	4	46	49	51	43	49	50	70	60	No
110-05	5	46	49	50	43	49	50	70	60	No
110-05	6	46	49	50	43	49	50	70	60	No
110-05	7	46	49	50	42	49	50	70	60	No
110-05	8	45	49	50	42	49	50	70	60	No
110-05	9	45	49	50	42	49	50	70	60	No
110-05	10	45	49	50	42	49	50	70	60	No
110-05	11	45	49	51	42	49	50	70	60	No
110-05	12	45	49	51	42	49	50	70	60	No
110-05	13	46	50	51	43	50	50	70	60	No
110-05	14	46	50	51	43	50	51	70	60	No
110-05	15	46	50	52	43	50	51	70	60	No
110-05	16	47	50	52	44	50	51	70	60	No
110-05	17	48	51	52	45	51	52	70	60	No
110-05	18	49	51	53	46	51	52	70	60	No
110-06	1	46	40	47	43	40	45	70	60	No
110-06	2	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
110-06	3	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
110-06	4	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
110-06	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
110-06	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
110-06	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
110-06	8	46	Negligible[1]	46	42	Negligible[1]	42	70	60	No
110-06	9	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
110-06	10	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1A)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
110-06	11	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
110-06	12	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
110-06	13	46	Negligible[1]	46	44	Negligible[1]	44	70	60	No
110-06	14	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
110-06	15	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
110-06	16	48	Negligible[1]	48	46	Negligible[1]	46	70	60	No
110-06	17	50	Negligible[1]	50	47	Negligible[1]	47	70	60	No
110-06	18	51	Negligible[1]	51	49	Negligible[1]	49	70	60	No
111-01	1	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-01	2	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-01	3	46	Negligible[1]	46	42	Negligible[1]	42	70	60	No
111-01	4	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-01	5	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-01	6	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-01	7	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-01	8	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-01	9	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-01	10	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-01	11	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-01	12	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-01	13	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-01	14	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-01	15	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-01	16	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-01	17	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-01	18	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-01	19	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
111-02	1	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-02	2	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-02	3	46	Negligible[1]	46	42	Negligible[1]	42	70	60	No
111-02	4	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-02	5	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-02	6	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-02	7	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-02	8	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-02	9	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-02	10	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-02	11	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-02	12	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-02	13	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-02	14	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-02	15	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-02	16	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-02	17	45	Negligible[1]	45	43	Negligible[1]	43	70	60	No
111-02	18	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-02	19	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-03	1	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-03	2	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-03	3	46	Negligible[1]	46	42	Negligible[1]	42	70	60	No
111-03	4	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	5	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	6	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	7	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	8	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	9	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	10	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	11	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	12	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	13	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	14	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	15	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	16	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	17	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	18	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	19	45	Negligible[1]	45	43	Negligible[1]	43	70	60	No
111-04	1	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-04	2	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-04	3	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-04	4	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-04	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-04	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-04	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-04	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-04	9	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-04	10	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-04	11	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-04	12	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-04	13	46	Negligible[1]	46	44	Negligible[1]	44	70	60	No
111-04	14	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
111-04	15	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
111-04	16	48	Negligible[1]	48	46	Negligible[1]	46	70	60	No
111-04	17	49	Negligible[1]	49	47	Negligible[1]	47	70	60	No
111-04	18	51	Negligible[1]	51	48	Negligible[1]	48	70	60	No
111-04	19	52	Negligible[1]	52	50	Negligible[1]	50	70	60	No
113-01	1	46	49	51	43	49	50	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1A)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
113-01	2	46	49	51	43	49	50	70	60	No
113-01	3	46	49	50	43	49	50	70	60	No
113-01	4	46	49	50	43	49	50	70	60	No
113-01	5	46	49	50	42	49	50	70	60	No
113-01	6	45	49	51	42	49	50	70	60	No
113-01	7	45	49	51	42	49	50	70	60	No
113-01	8	45	50	51	42	50	50	70	60	No
113-01	9	45	50	51	42	50	50	70	60	No
113-01	10	45	50	51	42	50	51	70	60	No
113-01	11	45	50	52	42	50	51	70	60	No
113-01	12	45	51	52	42	51	51	70	60	No
113-01	13	45	51	52	42	51	51	70	60	No
113-01	14	45	51	52	42	51	52	70	60	No
113-01	15	45	51	52	42	51	52	70	60	No
113-01	16	45	52	53	43	52	52	70	60	No
113-01	17	46	52	53	43	52	52	70	60	No
113-01	18	46	52	53	43	52	53	70	60	No
113-01	19	46	53	54	43	53	53	70	60	No
113-03	1	46	49	51	43	49	50	70	60	No
113-03	2	46	49	50	43	49	50	70	60	No
113-03	3	46	48	50	43	48	49	70	60	No
113-03	4	46	48	50	43	48	49	70	60	No
113-03	5	46	48	50	43	48	49	70	60	No
113-03	6	46	48	50	43	48	49	70	60	No
113-03	7	46	48	50	43	48	49	70	60	No
113-03	8	46	49	50	42	49	50	70	60	No
113-03	9	45	49	51	42	49	50	70	60	No
113-03	10	45	49	51	42	49	50	70	60	No
113-03	11	45	49	51	42	49	50	70	60	No
113-03	12	45	50	51	42	50	50	70	60	No
113-03	13	45	50	51	42	50	51	70	60	No
113-03	14	45	50	51	43	50	51	70	60	No
113-03	15	46	50	52	43	50	51	70	60	No
113-03	16	46	51	52	43	51	51	70	60	No
113-03	17	46	51	52	43	51	51	70	60	No
113-03	18	46	51	52	44	51	52	70	60	No
113-03	19	47	51	52	44	51	52	70	60	No
113-04	1	46	45	49	43	45	47	70	60	No
113-04	2	46	45	49	43	45	47	70	60	No
113-04	3	46	45	49	43	45	47	70	60	No
113-04	4	46	45	48	43	45	47	70	60	No
113-04	5	46	45	48	43	45	47	70	60	No
113-04	6	46	45	48	43	45	47	70	60	No
113-04	7	46	44	48	43	44	47	70	60	No
113-04	8	46	45	48	43	45	47	70	60	No
113-04	9	45	45	48	42	45	47	70	60	No
113-04	10	45	45	48	42	45	47	70	60	No
113-04	11	45	45	48	42	45	47	70	60	No
113-04	12	45	45	48	42	45	47	70	60	No
113-04	13	45	45	48	42	45	47	70	60	No
113-04	14	45	45	48	42	45	47	70	60	No
113-04	15	46	45	48	43	45	47	70	60	No
113-04	16	46	45	49	43	45	47	70	60	No
113-04	17	46	45	49	43	45	47	70	60	No
113-04	18	46	45	49	43	45	48	70	60	No
113-04	19	47	46	49	44	46	48	70	60	No
113-05	1	46	48	51	43	48	50	70	60	No
113-05	2	46	49	51	43	49	50	70	60	No
113-05	3	46	49	51	43	49	50	70	60	No
113-05	4	46	49	51	43	49	50	70	60	No
113-05	5	46	49	51	43	49	50	70	60	No
113-05	6	46	49	51	43	49	50	70	60	No
113-05	7	46	49	50	43	49	50	70	60	No
113-05	8	46	49	50	43	49	50	70	60	No
113-05	9	46	49	50	43	49	50	70	60	No
113-05	10	46	49	51	43	49	50	70	60	No
113-05	11	46	49	51	43	49	50	70	60	No
113-05	12	46	49	51	43	49	50	70	60	No
113-05	13	46	50	51	43	50	50	70	60	No
113-05	14	46	50	51	43	50	50	70	60	No
113-05	15	46	50	51	43	50	51	70	60	No
113-05	16	47	50	52	44	50	51	70	60	No
113-05	17	47	50	52	45	50	51	70	60	No
113-05	18	48	50	52	45	50	51	70	60	No
113-05	19	49	51	53	46	51	52	70	60	No
113-06	1	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
113-06	2	47	Negligible[1]	47	43	Negligible[1]	43	70	60	No
113-06	3	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
113-06	4	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
113-06	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
113-06	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
113-06	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
113-06	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
113-06	9	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
113-06	10	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1A)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
113-06	11	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
113-06	12	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
113-06	13	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
113-06	14	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
113-06	15	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
113-06	16	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
113-06	17	49	Negligible[1]	49	46	Negligible[1]	46	70	60	No
113-06	18	50	Negligible[1]	50	48	Negligible[1]	48	70	60	No
113-06	19	52	Negligible[1]	52	49	Negligible[1]	49	70	60	No
114-01	1	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-01	2	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-01	3	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-01	4	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-01	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-01	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-01	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-01	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-01	9	46	Negligible[1]	46	42	Negligible[1]	42	70	60	No
114-01	10	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-01	11	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-01	12	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-01	13	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-01	14	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-01	15	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-01	16	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-01	17	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-01	18	46	Negligible[1]	46	44	Negligible[1]	44	70	60	No
114-01	19	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
114-02	1	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-02	2	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-02	3	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-02	4	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-02	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-02	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-02	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-02	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-02	9	46	Negligible[1]	46	42	Negligible[1]	42	70	60	No
114-02	10	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-02	11	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-02	12	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-02	13	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-02	14	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-02	15	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-02	16	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-02	17	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-02	18	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-02	19	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
114-03	1	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-03	2	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-03	3	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-03	4	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-03	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-03	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-03	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-03	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-03	9	46	Negligible[1]	46	42	Negligible[1]	42	70	60	No
114-03	10	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-03	11	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-03	12	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-03	13	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-03	14	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-03	15	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-03	16	45	Negligible[1]	45	43	Negligible[1]	43	70	60	No
114-03	17	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-03	18	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-03	19	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-04	1	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
114-04	2	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
114-04	3	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
114-04	4	47	Negligible[1]	47	43	Negligible[1]	43	70	60	No
114-04	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-04	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-04	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-04	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-04	9	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-04	10	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-04	11	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-04	12	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
114-04	13	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
114-04	14	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
114-04	15	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
114-04	16	48	Negligible[1]	48	46	Negligible[1]	46	70	60	No
114-04	17	49	Negligible[1]	49	47	Negligible[1]	47	70	60	No
114-04	18	51	Negligible[1]	51	48	Negligible[1]	48	70	60	No
114-04	19	52	Negligible[1]	52	50	Negligible[1]	50	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1A)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
116-01	1	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	2	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	3	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	4	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	9	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	10	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	11	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	12	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	13	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	14	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	15	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	16	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	17	46	Negligible[1]	46	44	Negligible[1]	44	70	60	No
116-01	18	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
116-01	19	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
116-02	1	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	2	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	3	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	4	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	9	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	10	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	11	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	12	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	13	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	14	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	15	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	16	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	17	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	18	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
116-02	19	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
116-03	1	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	2	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	3	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	4	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	9	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	10	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	11	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	12	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	13	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	14	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	15	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	16	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	17	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	18	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	19	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
116-04	1	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
116-04	2	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
116-04	3	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
116-04	4	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
116-04	5	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
116-04	6	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
116-04	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-04	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-04	9	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-04	10	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-04	11	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
116-04	12	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
116-04	13	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
116-04	14	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
116-04	15	48	Negligible[1]	48	46	Negligible[1]	46	70	60	No
116-04	16	49	Negligible[1]	49	47	Negligible[1]	47	70	60	No
116-04	17	50	Negligible[1]	50	48	Negligible[1]	48	70	60	No
116-04	18	52	Negligible[1]	52	49	Negligible[1]	49	70	60	No
116-04	19	54	Negligible[1]	54	51	Negligible[1]	51	70	60	No
117-01	1	47	Negligible[1]	47	43	Negligible[1]	43	70	60	No
117-01	2	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-01	3	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-01	4	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-01	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-01	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-01	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-01	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-01	9	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1A)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
117-01	10	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-01	11	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-01	12	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-01	13	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-01	14	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-01	15	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-01	16	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-01	17	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-01	18	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-01	19	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
117-02	1	47	Negligible[1]	47	43	Negligible[1]	43	70	60	No
117-02	2	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	3	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	4	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	9	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	10	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	11	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	12	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	13	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	14	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	15	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	16	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	17	46	Negligible[1]	46	44	Negligible[1]	44	70	60	No
117-02	18	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-02	19	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
117-03	1	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-03	2	47	Negligible[1]	47	43	Negligible[1]	43	70	60	No
117-03	3	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	4	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	9	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	10	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	11	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	12	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	13	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	14	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	15	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	16	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	17	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	18	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	19	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-04	1	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-04	2	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-04	3	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-04	4	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-04	5	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-04	6	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-04	7	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-04	8	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-04	9	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-04	10	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-04	11	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-04	12	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
117-04	13	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
117-04	14	49	Negligible[1]	49	46	Negligible[1]	46	70	60	No
117-04	15	49	Negligible[1]	49	47	Negligible[1]	47	70	60	No
117-04	16	51	Negligible[1]	51	48	Negligible[1]	48	70	60	No
117-04	17	52	Negligible[1]	52	50	Negligible[1]	50	70	60	No
117-04	18	54	Negligible[1]	54	52	Negligible[1]	52	70	60	No
117-04	19	56	Negligible[1]	56	53	Negligible[1]	53	70	60	No
118-01	1	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-01	2	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-01	3	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-01	4	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-01	5	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-01	6	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-01	7	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-01	8	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-01	9	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-01	10	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-01	11	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-01	12	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-01	13	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
118-01	14	48	Negligible[1]	48	46	Negligible[1]	46	70	60	No
118-01	15	49	Negligible[1]	49	47	Negligible[1]	47	70	60	No
118-01	16	50	Negligible[1]	50	48	Negligible[1]	48	70	60	No
118-01	17	52	Negligible[1]	52	50	Negligible[1]	50	70	60	No
118-01	18	54	Negligible[1]	54	51	Negligible[1]	51	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1A)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A) (Day/Evening)	Noise Criteria, Leq (30min) dB(A) (Night-time)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
118-01	19	55	Negligible[1]	55	53	Negligible[1]	53	70	60	No
118-02	1	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-02	2	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-02	3	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-02	4	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-02	5	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-02	6	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-02	7	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-02	8	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-02	9	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-02	10	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-02	11	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-02	12	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-02	13	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
118-02	14	48	Negligible[1]	48	46	Negligible[1]	46	70	60	No
118-02	15	49	Negligible[1]	49	46	Negligible[1]	46	70	60	No
118-02	16	50	Negligible[1]	50	48	Negligible[1]	48	70	60	No
118-02	17	52	Negligible[1]	52	50	Negligible[1]	50	70	60	No
118-02	18	53	Negligible[1]	53	51	Negligible[1]	51	70	60	No
118-02	19	55	Negligible[1]	55	53	Negligible[1]	53	70	60	No
118-03	1	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-03	2	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-03	3	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-03	4	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-03	5	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-03	6	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-03	7	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-03	8	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-03	9	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-03	10	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-03	11	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-03	12	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-03	13	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-03	14	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
118-03	15	48	Negligible[1]	48	46	Negligible[1]	46	70	60	No
118-03	16	49	Negligible[1]	49	47	Negligible[1]	47	70	60	No
118-03	17	51	Negligible[1]	51	48	Negligible[1]	48	70	60	No
118-03	18	52	Negligible[1]	52	50	Negligible[1]	50	70	60	No
118-03	19	54	Negligible[1]	54	52	Negligible[1]	52	70	60	No
118-04	1	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
118-04	2	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
118-04	3	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
118-04	4	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
118-04	5	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-04	6	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-04	7	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-04	8	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
118-04	9	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
118-04	10	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
118-04	11	49	Negligible[1]	49	46	Negligible[1]	46	70	60	No
118-04	12	50	Negligible[1]	50	47	Negligible[1]	47	70	60	No
118-04	13	51	Negligible[1]	51	48	Negligible[1]	48	70	60	No
118-04	14	53	Negligible[1]	53	50	Negligible[1]	50	70	60	No
118-04	15	55	Negligible[1]	55	53	Negligible[1]	53	70	60	No
118-04	16	57	Negligible[1]	57	55	Negligible[1]	55	70	60	No
118-04	17	59	Negligible[1]	59	56	Negligible[1]	56	70	60	No
118-04	18	60	Negligible[1]	60	58	Negligible[1]	58	70	60	No
118-04	19	61	Negligible[1]	61	58	Negligible[1]	58	70	60	No

Note:

[1] The rail noise level is predicted to be lower than 40 dB(A).

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1B)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
Existing NSR										
N01-01	-	Negligible[1]	68	68	Negligible[1]	68	68	-	-	No
Planned NSRs										
101-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-05	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	11	43	Negligible[1]	43	40	Negligible[1]	40	65	55	No
101-06	12	43	Negligible[1]	43	41	Negligible[1]	41	65	55	No
101-06	13	44	Negligible[1]	44	42	Negligible[1]	42	65	55	No
101-06	14	45	Negligible[1]	45	42	Negligible[1]	42	65	55	No
101-06	15	45	Negligible[1]	45	43	Negligible[1]	43	65	55	No
101-06	16	46	Negligible[1]	46	43	Negligible[1]	43	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1B)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
101-06	17	46	Negligible[1]	46	44	Negligible[1]	44	65	55	No
103-01	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	13	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
103-01	14	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
103-01	15	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
103-01	16	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
103-01	17	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
103-01	18	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
103-03	1	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	2	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	3	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	7	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	8	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	9	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	13	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-03	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-03	16	40	50	50	Negligible[1]	50	50	70	60	No
103-03	17	44	50	51	41	50	51	70	60	No
103-03	18	45	51	51	42	51	51	70	60	No
103-04	1	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	2	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	3	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
103-04	4	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	5	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	6	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	7	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	8	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	9	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	10	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	11	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	12	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	13	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	14	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
103-04	15	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
103-04	16	40	47	48	Negligible[1]	47	47	70	60	No
103-04	17	44	47	49	42	47	48	70	60	No
103-04	18	45	47	49	42	47	48	70	60	No
103-05	1	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
103-05	2	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
103-05	3	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	7	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	8	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	9	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	13	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	14	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	15	40	49	49	Negligible[1]	49	49	70	60	No
103-05	16	45	49	50	42	49	50	70	60	No
103-05	17	45	49	51	43	49	50	70	60	No
103-05	18	46	49	51	43	49	50	70	60	No
103-06	1	Negligible[1]	42	42	Negligible[1]	42	42	65	55	No
103-06	2	Negligible[1]	42	42	Negligible[1]	42	42	65	55	No
103-06	3	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
103-06	4	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
103-06	5	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
103-06	6	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
103-06	7	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
103-06	8	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
103-06	9	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
103-06	10	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
103-06	11	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
103-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1B)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
103-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
103-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
103-06	15	44	Negligible[1]	44	42	Negligible[1]	42	65	55	No
103-06	16	45	Negligible[1]	45	42	Negligible[1]	42	65	55	No
103-06	17	46	Negligible[1]	46	43	Negligible[1]	43	65	55	No
103-06	18	46	Negligible[1]	46	44	Negligible[1]	44	65	55	No
104-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
104-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
104-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
104-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
104-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
104-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
104-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
104-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
104-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
104-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
104-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
104-04	12	41	Negligible[1]	41	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
104-04	13	41	Negligible[1]	41	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
104-04	14	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
104-04	15	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
104-04	16	46	Negligible[1]	46	44	Negligible[1]	44	70	60	No
104-04	17	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
104-04	18	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
107-01	1	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	2	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	3	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	4	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	5	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	6	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	7	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1B)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
107-01	8	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	9	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	10	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	11	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	12	43	Negligible[1]	43	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	13	43	Negligible[1]	43	40	Negligible[1]	40	70	60	No
107-01	14	43	Negligible[1]	43	41	Negligible[1]	41	70	60	No
107-01	15	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
107-01	16	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
107-01	17	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
107-01	18	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
107-03	1	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	2	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	3	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	4	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	5	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	6	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	7	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	8	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	9	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	10	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	11	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	12	43	Negligible[1]	43	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	13	43	Negligible[1]	43	40	Negligible[1]	40	70	60	No
107-03	14	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
107-03	15	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
107-03	16	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
107-03	17	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
107-03	18	49	Negligible[1]	49	47	Negligible[1]	47	70	60	No
107-04	1	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-04	2	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-04	3	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-04	4	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-04	5	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-04	6	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-04	7	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-04	8	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-04	9	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-04	10	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-04	11	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-04	12	43	Negligible[1]	43	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-04	13	43	Negligible[1]	43	40	Negligible[1]	40	70	60	No
107-04	14	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
107-04	15	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
107-04	16	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
107-04	17	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
107-04	18	49	Negligible[1]	49	47	Negligible[1]	47	70	60	No
107-05	1	42	40	44	Negligible[1]	40	40	70	60	No
107-05	2	42	41	44	Negligible[1]	41	41	70	60	No
107-05	3	42	41	44	Negligible[1]	41	41	70	60	No
107-05	4	42	41	45	Negligible[1]	41	41	70	60	No
107-05	5	42	42	45	Negligible[1]	42	42	70	60	No
107-05	6	42	42	45	Negligible[1]	42	42	70	60	No
107-05	7	42	42	45	Negligible[1]	42	42	70	60	No
107-05	8	42	42	45	Negligible[1]	42	42	70	60	No
107-05	9	42	41	45	Negligible[1]	41	41	70	60	No
107-05	10	42	41	45	Negligible[1]	41	41	70	60	No
107-05	11	43	41	45	Negligible[1]	41	41	70	60	No
107-05	12	43	41	45	40	41	44	70	60	No
107-05	13	44	41	46	41	41	44	70	60	No
107-05	14	45	41	47	42	41	45	70	60	No
107-05	15	46	41	48	44	41	46	70	60	No
107-05	16	48	41	49	46	41	47	70	60	No
107-05	17	50	41	51	48	41	49	70	60	No
107-05	18	52	41	52	50	41	50	70	60	No
107-06	1	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-06	2	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-06	3	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-06	4	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-06	5	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-06	6	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-06	7	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-06	8	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-06	9	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-06	10	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-06	11	43	Negligible[1]	43	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-06	12	43	Negligible[1]	43	41	Negligible[1]	41	70	60	No
107-06	13	44	Negligible[1]	44	42	Negligible[1]	42	70	60	No
107-06	14	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
107-06	15	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
107-06	16	49	Negligible[1]	49	47	Negligible[1]	47	70	60	No
107-06	17	51	Negligible[1]	51	49	Negligible[1]	49	70	60	No
107-06	18	53	Negligible[1]	53	51	Negligible[1]	51	70	60	No
108-01	1	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-01	2	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1B)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
108-01	3	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-01	4	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-01	5	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-01	6	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-01	7	44	Negligible[1]	44	40	Negligible[1]	40	70	60	No
108-01	8	43	Negligible[1]	43	40	Negligible[1]	40	70	60	No
108-01	9	43	Negligible[1]	43	40	Negligible[1]	40	70	60	No
108-01	10	43	Negligible[1]	43	40	Negligible[1]	40	70	60	No
108-01	11	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-01	12	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-01	13	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-01	14	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-01	15	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
108-01	16	45	Negligible[1]	45	43	Negligible[1]	43	70	60	No
108-01	17	46	Negligible[1]	46	44	Negligible[1]	44	70	60	No
108-01	18	48	40	48	45	40	46	70	60	No
108-03	1	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-03	2	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-03	3	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-03	4	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-03	5	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-03	6	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-03	7	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-03	8	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-03	9	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-03	10	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-03	11	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-03	12	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-03	13	44	Negligible[1]	44	42	Negligible[1]	42	70	60	No
108-03	14	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
108-03	15	45	Negligible[1]	45	43	Negligible[1]	43	70	60	No
108-03	16	46	Negligible[1]	46	44	Negligible[1]	44	70	60	No
108-03	17	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
108-03	18	49	40	50	47	40	47	70	60	No
108-04	1	45	Negligible[1]	45	41	Negligible[1]	41	70	60	No
108-04	2	45	Negligible[1]	45	41	Negligible[1]	41	70	60	No
108-04	3	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-04	4	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-04	5	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-04	6	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-04	7	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-04	8	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-04	9	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-04	10	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-04	11	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-04	12	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-04	13	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-04	14	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-04	15	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
108-04	16	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
108-04	17	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
108-04	18	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
108-05	1	45	40	46	42	40	44	70	60	No
108-05	2	45	41	46	42	41	44	70	60	No
108-05	3	45	41	46	42	41	44	70	60	No
108-05	4	45	41	46	42	41	45	70	60	No
108-05	5	45	42	46	42	42	45	70	60	No
108-05	6	45	42	46	42	42	45	70	60	No
108-05	7	44	42	46	41	42	45	70	60	No
108-05	8	44	42	46	41	42	45	70	60	No
108-05	9	44	42	46	41	42	45	70	60	No
108-05	10	45	42	47	42	42	45	70	60	No
108-05	11	45	42	47	42	42	45	70	60	No
108-05	12	45	42	47	42	42	45	70	60	No
108-05	13	46	42	47	43	42	45	70	60	No
108-05	14	46	42	48	44	42	46	70	60	No
108-05	15	48	42	49	45	42	47	70	60	No
108-05	16	49	42	50	47	42	48	70	60	No
108-05	17	51	42	51	48	42	49	70	60	No
108-05	18	53	43	53	50	43	51	70	60	No
108-06	1	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
108-06	2	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
108-06	3	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
108-06	4	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
108-06	5	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
108-06	6	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
108-06	7	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
108-06	8	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
108-06	9	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
108-06	10	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
108-06	11	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
108-06	12	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
108-06	13	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
108-06	14	49	Negligible[1]	49	46	Negligible[1]	46	70	60	No
108-06	15	51	Negligible[1]	51	48	Negligible[1]	48	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1B)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
108-06	16	53	Negligible[1]	53	50	Negligible[1]	50	70	60	No
108-06	17	55	Negligible[1]	55	53	Negligible[1]	53	70	60	No
108-06	18	56	Negligible[1]	56	54	Negligible[1]	54	70	60	No
110-01	1	45	49	51	42	49	50	70	60	No
110-01	2	45	49	50	42	49	50	70	60	No
110-01	3	45	49	50	42	49	50	70	60	No
110-01	4	45	49	50	42	49	50	70	60	No
110-01	5	45	49	50	42	49	50	70	60	No
110-01	6	45	49	50	42	49	50	70	60	No
110-01	7	45	49	51	42	49	50	70	60	No
110-01	8	45	50	51	42	50	50	70	60	No
110-01	9	45	50	51	42	50	51	70	60	No
110-01	10	45	50	51	42	50	51	70	60	No
110-01	11	45	51	52	41	51	51	70	60	No
110-01	12	44	51	52	41	51	52	70	60	No
110-01	13	45	52	52	42	52	52	70	60	No
110-01	14	45	52	53	42	52	52	70	60	No
110-01	15	45	52	53	42	52	53	70	60	No
110-01	16	45	53	54	42	53	53	70	60	No
110-01	17	45	53	54	42	53	54	70	60	No
110-01	18	46	54	54	43	54	54	70	60	No
110-03	1	46	48	50	42	48	49	70	60	No
110-03	2	46	48	50	42	48	49	70	60	No
110-03	3	45	48	50	42	48	49	70	60	No
110-03	4	45	48	50	42	48	49	70	60	No
110-03	5	45	48	50	42	48	49	70	60	No
110-03	6	45	48	50	42	48	49	70	60	No
110-03	7	45	48	50	42	48	49	70	60	No
110-03	8	45	48	50	42	48	49	70	60	No
110-03	9	45	48	50	42	48	49	70	60	No
110-03	10	45	49	50	42	49	49	70	60	No
110-03	11	45	49	50	42	49	50	70	60	No
110-03	12	45	49	51	42	49	50	70	60	No
110-03	13	45	50	51	42	50	50	70	60	No
110-03	14	45	50	51	42	50	51	70	60	No
110-03	15	45	50	51	42	50	51	70	60	No
110-03	16	45	51	52	43	51	51	70	60	No
110-03	17	46	51	52	43	51	52	70	60	No
110-03	18	46	51	52	44	51	52	70	60	No
110-04	1	46	45	48	43	45	47	70	60	No
110-04	2	46	45	48	42	45	47	70	60	No
110-04	3	46	45	48	42	45	47	70	60	No
110-04	4	45	45	48	42	45	47	70	60	No
110-04	5	45	45	48	42	45	47	70	60	No
110-04	6	45	45	48	42	45	47	70	60	No
110-04	7	45	45	48	42	45	47	70	60	No
110-04	8	45	45	48	42	45	47	70	60	No
110-04	9	45	45	48	42	45	47	70	60	No
110-04	10	45	45	48	42	45	47	70	60	No
110-04	11	45	45	48	42	45	47	70	60	No
110-04	12	45	45	48	42	45	47	70	60	No
110-04	13	45	46	48	42	46	47	70	60	No
110-04	14	45	46	48	42	46	47	70	60	No
110-04	15	45	46	49	42	46	48	70	60	No
110-04	16	45	46	49	42	46	48	70	60	No
110-04	17	46	47	49	43	47	48	70	60	No
110-04	18	46	47	49	43	47	48	70	60	No
110-05	1	46	48	50	43	48	49	70	60	No
110-05	2	46	49	50	43	49	50	70	60	No
110-05	3	46	49	51	43	49	50	70	60	No
110-05	4	46	49	51	43	49	50	70	60	No
110-05	5	46	49	50	43	49	50	70	60	No
110-05	6	46	49	50	43	49	50	70	60	No
110-05	7	46	49	50	42	49	50	70	60	No
110-05	8	45	49	50	42	49	50	70	60	No
110-05	9	45	49	50	42	49	50	70	60	No
110-05	10	45	49	50	42	49	50	70	60	No
110-05	11	45	49	51	42	49	50	70	60	No
110-05	12	45	49	51	42	49	50	70	60	No
110-05	13	46	50	51	43	50	50	70	60	No
110-05	14	46	50	51	43	50	51	70	60	No
110-05	15	46	50	52	43	50	51	70	60	No
110-05	16	47	50	52	44	50	51	70	60	No
110-05	17	48	51	52	45	51	52	70	60	No
110-05	18	49	51	53	46	51	52	70	60	No
110-06	1	46	40	47	43	40	45	70	60	No
110-06	2	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
110-06	3	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
110-06	4	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
110-06	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
110-06	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
110-06	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
110-06	8	46	Negligible[1]	46	42	Negligible[1]	42	70	60	No
110-06	9	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
110-06	10	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1B)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
110-06	11	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
110-06	12	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
110-06	13	46	Negligible[1]	46	44	Negligible[1]	44	70	60	No
110-06	14	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
110-06	15	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
110-06	16	48	Negligible[1]	48	46	Negligible[1]	46	70	60	No
110-06	17	50	Negligible[1]	50	47	Negligible[1]	47	70	60	No
110-06	18	51	Negligible[1]	51	49	Negligible[1]	49	70	60	No
111-01	1	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-01	2	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-01	3	46	Negligible[1]	46	42	Negligible[1]	42	70	60	No
111-01	4	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-01	5	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-01	6	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-01	7	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-01	8	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-01	9	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-01	10	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-01	11	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-01	12	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-01	13	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-01	14	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-01	15	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-01	16	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-01	17	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-01	18	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-01	19	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
111-02	1	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-02	2	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-02	3	46	Negligible[1]	46	42	Negligible[1]	42	70	60	No
111-02	4	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-02	5	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-02	6	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-02	7	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-02	8	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-02	9	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-02	10	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-02	11	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-02	12	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-02	13	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-02	14	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-02	15	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-02	16	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-02	17	45	Negligible[1]	45	43	Negligible[1]	43	70	60	No
111-02	18	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-02	19	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-03	1	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-03	2	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-03	3	46	Negligible[1]	46	42	Negligible[1]	42	70	60	No
111-03	4	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	5	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	6	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	7	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	8	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	9	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	10	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	11	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	12	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	13	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	14	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	15	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	16	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	17	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	18	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	19	45	Negligible[1]	45	43	Negligible[1]	43	70	60	No
111-04	1	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-04	2	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-04	3	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-04	4	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-04	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-04	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-04	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-04	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-04	9	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-04	10	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-04	11	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-04	12	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-04	13	46	Negligible[1]	46	44	Negligible[1]	44	70	60	No
111-04	14	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
111-04	15	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
111-04	16	48	Negligible[1]	48	46	Negligible[1]	46	70	60	No
111-04	17	49	Negligible[1]	49	47	Negligible[1]	47	70	60	No
111-04	18	51	Negligible[1]	51	48	Negligible[1]	48	70	60	No
111-04	19	52	Negligible[1]	52	50	Negligible[1]	50	70	60	No
113-01	1	46	49	51	43	49	50	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1B)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
113-01	2	46	49	51	43	49	50	70	60	No
113-01	3	46	49	50	43	49	50	70	60	No
113-01	4	46	49	50	43	49	50	70	60	No
113-01	5	46	49	50	42	49	50	70	60	No
113-01	6	45	49	51	42	49	50	70	60	No
113-01	7	45	49	51	42	49	50	70	60	No
113-01	8	45	50	51	42	50	50	70	60	No
113-01	9	45	50	51	42	50	50	70	60	No
113-01	10	45	50	51	42	50	51	70	60	No
113-01	11	45	50	52	42	50	51	70	60	No
113-01	12	45	51	52	42	51	51	70	60	No
113-01	13	45	51	52	42	51	51	70	60	No
113-01	14	45	51	52	42	51	52	70	60	No
113-01	15	45	51	52	42	51	52	70	60	No
113-01	16	45	52	53	43	52	52	70	60	No
113-01	17	46	52	53	43	52	52	70	60	No
113-01	18	46	52	53	43	52	53	70	60	No
113-01	19	46	53	54	43	53	53	70	60	No
113-03	1	46	49	51	43	49	50	70	60	No
113-03	2	46	49	50	43	49	50	70	60	No
113-03	3	46	48	50	43	48	49	70	60	No
113-03	4	46	48	50	43	48	49	70	60	No
113-03	5	46	48	50	43	48	49	70	60	No
113-03	6	46	48	50	43	48	49	70	60	No
113-03	7	46	48	50	43	48	49	70	60	No
113-03	8	46	49	50	42	49	50	70	60	No
113-03	9	45	49	51	42	49	50	70	60	No
113-03	10	45	49	51	42	49	50	70	60	No
113-03	11	45	49	51	42	49	50	70	60	No
113-03	12	45	50	51	42	50	50	70	60	No
113-03	13	45	50	51	42	50	51	70	60	No
113-03	14	45	50	51	43	50	51	70	60	No
113-03	15	46	50	52	43	50	51	70	60	No
113-03	16	46	51	52	43	51	51	70	60	No
113-03	17	46	51	52	43	51	51	70	60	No
113-03	18	46	51	52	44	51	52	70	60	No
113-03	19	47	51	52	44	51	52	70	60	No
113-04	1	46	45	49	43	45	47	70	60	No
113-04	2	46	45	49	43	45	47	70	60	No
113-04	3	46	45	49	43	45	47	70	60	No
113-04	4	46	45	48	43	45	47	70	60	No
113-04	5	46	45	48	43	45	47	70	60	No
113-04	6	46	45	48	43	45	47	70	60	No
113-04	7	46	44	48	43	44	47	70	60	No
113-04	8	46	45	48	43	45	47	70	60	No
113-04	9	45	45	48	42	45	47	70	60	No
113-04	10	45	45	48	42	45	47	70	60	No
113-04	11	45	45	48	42	45	47	70	60	No
113-04	12	45	45	48	42	45	47	70	60	No
113-04	13	45	45	48	42	45	47	70	60	No
113-04	14	45	45	48	42	45	47	70	60	No
113-04	15	46	45	48	43	45	47	70	60	No
113-04	16	46	45	49	43	45	47	70	60	No
113-04	17	46	45	49	43	45	47	70	60	No
113-04	18	46	45	49	43	45	48	70	60	No
113-04	19	47	46	49	44	46	48	70	60	No
113-05	1	46	48	51	43	48	50	70	60	No
113-05	2	46	49	51	43	49	50	70	60	No
113-05	3	46	49	51	43	49	50	70	60	No
113-05	4	46	49	51	43	49	50	70	60	No
113-05	5	46	49	51	43	49	50	70	60	No
113-05	6	46	49	51	43	49	50	70	60	No
113-05	7	46	49	50	43	49	50	70	60	No
113-05	8	46	49	50	43	49	50	70	60	No
113-05	9	46	49	50	43	49	50	70	60	No
113-05	10	46	49	51	43	49	50	70	60	No
113-05	11	46	49	51	43	49	50	70	60	No
113-05	12	46	49	51	43	49	50	70	60	No
113-05	13	46	50	51	43	50	50	70	60	No
113-05	14	46	50	51	43	50	50	70	60	No
113-05	15	46	50	51	43	50	51	70	60	No
113-05	16	47	50	52	44	50	51	70	60	No
113-05	17	47	50	52	45	50	51	70	60	No
113-05	18	48	50	52	45	50	51	70	60	No
113-05	19	49	51	53	46	51	52	70	60	No
113-06	1	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
113-06	2	47	Negligible[1]	47	43	Negligible[1]	43	70	60	No
113-06	3	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
113-06	4	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
113-06	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
113-06	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
113-06	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
113-06	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
113-06	9	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
113-06	10	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1B)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
113-06	11	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
113-06	12	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
113-06	13	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
113-06	14	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
113-06	15	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
113-06	16	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
113-06	17	49	Negligible[1]	49	46	Negligible[1]	46	70	60	No
113-06	18	50	Negligible[1]	50	48	Negligible[1]	48	70	60	No
113-06	19	52	Negligible[1]	52	49	Negligible[1]	49	70	60	No
114-01	1	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-01	2	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-01	3	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-01	4	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-01	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-01	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-01	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-01	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-01	9	46	Negligible[1]	46	42	Negligible[1]	42	70	60	No
114-01	10	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-01	11	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-01	12	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-01	13	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-01	14	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-01	15	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-01	16	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-01	17	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-01	18	46	Negligible[1]	46	44	Negligible[1]	44	70	60	No
114-01	19	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
114-02	1	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-02	2	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-02	3	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-02	4	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-02	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-02	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-02	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-02	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-02	9	46	Negligible[1]	46	42	Negligible[1]	42	70	60	No
114-02	10	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-02	11	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-02	12	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-02	13	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-02	14	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-02	15	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-02	16	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-02	17	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-02	18	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-02	19	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
114-03	1	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-03	2	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-03	3	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-03	4	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-03	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-03	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-03	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-03	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-03	9	46	Negligible[1]	46	42	Negligible[1]	42	70	60	No
114-03	10	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-03	11	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-03	12	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-03	13	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-03	14	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-03	15	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-03	16	45	Negligible[1]	45	43	Negligible[1]	43	70	60	No
114-03	17	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-03	18	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-03	19	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-04	1	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
114-04	2	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
114-04	3	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
114-04	4	47	Negligible[1]	47	43	Negligible[1]	43	70	60	No
114-04	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-04	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-04	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-04	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-04	9	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-04	10	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-04	11	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-04	12	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
114-04	13	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
114-04	14	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
114-04	15	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
114-04	16	48	Negligible[1]	48	46	Negligible[1]	46	70	60	No
114-04	17	49	Negligible[1]	49	47	Negligible[1]	47	70	60	No
114-04	18	51	Negligible[1]	51	48	Negligible[1]	48	70	60	No
114-04	19	52	Negligible[1]	52	50	Negligible[1]	50	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1B)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
116-01	1	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	2	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	3	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	4	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	9	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	10	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	11	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	12	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	13	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	14	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	15	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	16	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	17	46	Negligible[1]	46	44	Negligible[1]	44	70	60	No
116-01	18	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
116-01	19	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
116-02	1	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	2	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	3	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	4	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	9	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	10	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	11	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	12	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	13	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	14	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	15	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	16	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	17	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	18	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
116-02	19	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
116-03	1	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	2	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	3	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	4	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	9	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	10	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	11	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	12	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	13	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	14	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	15	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	16	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	17	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	18	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	19	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
116-04	1	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
116-04	2	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
116-04	3	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
116-04	4	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
116-04	5	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
116-04	6	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
116-04	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-04	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-04	9	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-04	10	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-04	11	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
116-04	12	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
116-04	13	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
116-04	14	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
116-04	15	48	Negligible[1]	48	46	Negligible[1]	46	70	60	No
116-04	16	49	Negligible[1]	49	47	Negligible[1]	47	70	60	No
116-04	17	50	Negligible[1]	50	48	Negligible[1]	48	70	60	No
116-04	18	52	Negligible[1]	52	49	Negligible[1]	49	70	60	No
116-04	19	54	Negligible[1]	54	51	Negligible[1]	51	70	60	No
117-01	1	47	Negligible[1]	47	43	Negligible[1]	43	70	60	No
117-01	2	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-01	3	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-01	4	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-01	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-01	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-01	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-01	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-01	9	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1B)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
117-01	10	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-01	11	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-01	12	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-01	13	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-01	14	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-01	15	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-01	16	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-01	17	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-01	18	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-01	19	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
117-02	1	47	Negligible[1]	47	43	Negligible[1]	43	70	60	No
117-02	2	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	3	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	4	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	9	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	10	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	11	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	12	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	13	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	14	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	15	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	16	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	17	46	Negligible[1]	46	44	Negligible[1]	44	70	60	No
117-02	18	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-02	19	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
117-03	1	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-03	2	47	Negligible[1]	47	43	Negligible[1]	43	70	60	No
117-03	3	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	4	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	9	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	10	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	11	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	12	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	13	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	14	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	15	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	16	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	17	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	18	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	19	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-04	1	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-04	2	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-04	3	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-04	4	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-04	5	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-04	6	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-04	7	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-04	8	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-04	9	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-04	10	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-04	11	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-04	12	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
117-04	13	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
117-04	14	49	Negligible[1]	49	46	Negligible[1]	46	70	60	No
117-04	15	49	Negligible[1]	49	47	Negligible[1]	47	70	60	No
117-04	16	51	Negligible[1]	51	48	Negligible[1]	48	70	60	No
117-04	17	52	Negligible[1]	52	50	Negligible[1]	50	70	60	No
117-04	18	54	Negligible[1]	54	52	Negligible[1]	52	70	60	No
117-04	19	56	Negligible[1]	56	53	Negligible[1]	53	70	60	No
118-01	1	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-01	2	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-01	3	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-01	4	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-01	5	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-01	6	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-01	7	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-01	8	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-01	9	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-01	10	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-01	11	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-01	12	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-01	13	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
118-01	14	48	Negligible[1]	48	46	Negligible[1]	46	70	60	No
118-01	15	49	Negligible[1]	49	47	Negligible[1]	47	70	60	No
118-01	16	50	Negligible[1]	50	48	Negligible[1]	48	70	60	No
118-01	17	52	Negligible[1]	52	50	Negligible[1]	50	70	60	No
118-01	18	54	Negligible[1]	54	51	Negligible[1]	51	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1B)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
118-01	19	55	Negligible[1]	55	53	Negligible[1]	53	70	60	No
118-02	1	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-02	2	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-02	3	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-02	4	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-02	5	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-02	6	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-02	7	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-02	8	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-02	9	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-02	10	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-02	11	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-02	12	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-02	13	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
118-02	14	48	Negligible[1]	48	46	Negligible[1]	46	70	60	No
118-02	15	49	Negligible[1]	49	46	Negligible[1]	46	70	60	No
118-02	16	50	Negligible[1]	50	48	Negligible[1]	48	70	60	No
118-02	17	52	Negligible[1]	52	50	Negligible[1]	50	70	60	No
118-02	18	53	Negligible[1]	53	51	Negligible[1]	51	70	60	No
118-02	19	55	Negligible[1]	55	53	Negligible[1]	53	70	60	No
118-03	1	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-03	2	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-03	3	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-03	4	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-03	5	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-03	6	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-03	7	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-03	8	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-03	9	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-03	10	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-03	11	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-03	12	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-03	13	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-03	14	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
118-03	15	48	Negligible[1]	48	46	Negligible[1]	46	70	60	No
118-03	16	49	Negligible[1]	49	47	Negligible[1]	47	70	60	No
118-03	17	51	Negligible[1]	51	48	Negligible[1]	48	70	60	No
118-03	18	52	Negligible[1]	52	50	Negligible[1]	50	70	60	No
118-03	19	54	Negligible[1]	54	52	Negligible[1]	52	70	60	No
118-04	1	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
118-04	2	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
118-04	3	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
118-04	4	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
118-04	5	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-04	6	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-04	7	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-04	8	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
118-04	9	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
118-04	10	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
118-04	11	49	Negligible[1]	49	46	Negligible[1]	46	70	60	No
118-04	12	50	Negligible[1]	50	47	Negligible[1]	47	70	60	No
118-04	13	51	Negligible[1]	51	48	Negligible[1]	48	70	60	No
118-04	14	53	Negligible[1]	53	50	Negligible[1]	50	70	60	No
118-04	15	55	Negligible[1]	55	53	Negligible[1]	53	70	60	No
118-04	16	57	Negligible[1]	57	55	Negligible[1]	55	70	60	No
118-04	17	59	Negligible[1]	59	56	Negligible[1]	56	70	60	No
118-04	18	60	Negligible[1]	60	58	Negligible[1]	58	70	60	No
118-04	19	61	Negligible[1]	61	58	Negligible[1]	58	70	60	No
119-01	1	Negligible[1]	Negligible[1]	Negligible[1]	42	Negligible[1]	42	65	55	No
119-01	2	Negligible[1]	Negligible[1]	Negligible[1]	42	Negligible[1]	42	65	55	No
119-01	3	Negligible[1]	Negligible[1]	Negligible[1]	42	Negligible[1]	42	65	55	No
119-01	4	Negligible[1]	Negligible[1]	Negligible[1]	42	Negligible[1]	42	65	55	No
119-01	5	Negligible[1]	Negligible[1]	Negligible[1]	42	Negligible[1]	42	65	55	No
119-01	6	Negligible[1]	Negligible[1]	Negligible[1]	42	Negligible[1]	42	65	55	No
119-01	7	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-01	8	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-01	9	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-01	10	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-01	11	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-01	12	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-01	13	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-01	14	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-01	15	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-03	1	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-03	2	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-03	3	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-03	4	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-03	5	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-03	6	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-03	7	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-03	8	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-03	9	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-03	10	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-03	11	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-03	12	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1B)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
119-03	13	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-03	14	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-03	15	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-04	1	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-04	2	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-04	3	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-04	4	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-04	5	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-04	6	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-04	7	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-04	8	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-04	9	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-04	10	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-04	11	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-04	12	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-04	13	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-04	14	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-04	15	Negligible[1]	Negligible[1]	Negligible[1]	40	Negligible[1]	40	65	55	No
119-05	1	Negligible[1]	Negligible[1]	Negligible[1]	40	Negligible[1]	40	65	55	No
119-05	2	Negligible[1]	Negligible[1]	Negligible[1]	40	Negligible[1]	40	65	55	No
119-05	3	Negligible[1]	Negligible[1]	Negligible[1]	40	Negligible[1]	40	65	55	No
119-05	4	Negligible[1]	Negligible[1]	Negligible[1]	40	Negligible[1]	40	65	55	No
119-05	5	Negligible[1]	Negligible[1]	Negligible[1]	40	Negligible[1]	40	65	55	No
119-05	6	Negligible[1]	Negligible[1]	Negligible[1]	40	Negligible[1]	40	65	55	No
119-05	7	Negligible[1]	Negligible[1]	Negligible[1]	40	Negligible[1]	40	65	55	No
119-05	8	Negligible[1]	Negligible[1]	Negligible[1]	40	Negligible[1]	40	65	55	No
119-05	9	Negligible[1]	Negligible[1]	Negligible[1]	40	Negligible[1]	40	65	55	No
119-05	10	Negligible[1]	Negligible[1]	Negligible[1]	40	Negligible[1]	40	65	55	No
119-05	11	Negligible[1]	Negligible[1]	Negligible[1]	40	Negligible[1]	40	65	55	No
119-05	12	Negligible[1]	Negligible[1]	Negligible[1]	40	Negligible[1]	40	65	55	No
119-05	13	Negligible[1]	Negligible[1]	Negligible[1]	40	Negligible[1]	40	65	55	No
119-05	14	Negligible[1]	Negligible[1]	Negligible[1]	40	Negligible[1]	40	65	55	No
119-05	15	Negligible[1]	Negligible[1]	Negligible[1]	40	Negligible[1]	40	65	55	No
119-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-01	1	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	2	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	3	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	4	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	5	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	6	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-01	7	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	8	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	9	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	10	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	11	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	12	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	13	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
122-01	14	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
122-01	15	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
122-01	16	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
122-03	1	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-03	2	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-03	3	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-03	4	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-03	5	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-03	6	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-03	7	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	8	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	9	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	10	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	11	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	12	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	13	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	14	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	15	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	16	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1B)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total	(Day/Evening)	(Night-time)	
122-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-05	1	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-05	2	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-05	3	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-05	4	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-05	5	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-05	6	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-05	7	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-05	8	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-05	9	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-05	10	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-05	11	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-05	12	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-05	13	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-05	14	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-05	15	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-05	16	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-01	1	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-01	2	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
123-01	3	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
123-01	4	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
123-01	5	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
123-01	6	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
123-01	7	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
123-01	8	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
123-01	9	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
123-01	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
123-01	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
123-01	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
123-01	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
123-01	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
123-01	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
123-01	16	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
123-03	1	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
123-03	2	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
123-03	3	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
123-03	4	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
123-03	5	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
123-03	6	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
123-03	7	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
123-03	8	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-03	9	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-03	10	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-03	11	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-03	12	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-03	13	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-03	14	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-03	15	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-03	16	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1B)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
123-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-05	1	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	2	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	3	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	4	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	5	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
123-05	6	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
123-05	7	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	8	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	9	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	10	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	11	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	12	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	13	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	14	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	15	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	16	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
123-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-01	9	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
125-01	10	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
125-01	11	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
125-01	12	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
125-01	13	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
125-01	14	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
125-01	15	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
125-01	16	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
125-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-03	9	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
125-03	10	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
125-03	11	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
125-03	12	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
125-03	13	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
125-03	14	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
125-03	15	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
125-03	16	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
125-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1B)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
125-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-05	1	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
125-05	2	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
125-05	3	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
125-05	4	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
125-05	5	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
125-05	6	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
125-05	7	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
125-05	8	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
125-05	9	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
125-05	10	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
125-05	11	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
125-05	12	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
125-05	13	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
125-05	14	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
125-05	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
125-05	16	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
125-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-01	8	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
126-01	9	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
126-01	10	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
126-01	11	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
126-01	12	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
126-01	13	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
126-01	14	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
126-01	15	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
126-01	16	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
126-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	14	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
126-03	15	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
126-03	16	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
126-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1B)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total	(Day/Evening)	(Night-time)	
126-05	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-05	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1B)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
129-05	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-01	5	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
130-01	6	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
130-01	7	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-01	8	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
130-01	9	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
130-01	10	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
130-01	11	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
130-01	12	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
130-01	13	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
130-01	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
130-01	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
130-01	16	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
130-01	17	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
130-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	10	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
130-03	11	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
130-03	12	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-03	13	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
130-03	14	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
130-03	15	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
130-03	16	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
130-03	17	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
130-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-05	1	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	2	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	3	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	4	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	5	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	6	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	7	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	8	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	9	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	10	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
130-05	11	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1B)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
130-05	12	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
130-05	13	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
130-05	14	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
130-05	15	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
130-05	16	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
130-05	17	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
130-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-01	1	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
132-01	2	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
132-01	3	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-01	4	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-01	5	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-01	6	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-01	7	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-01	8	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	9	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	10	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	11	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	12	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	13	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	14	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	15	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	16	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	17	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-03	1	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-03	2	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-03	3	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-03	4	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-03	5	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-03	6	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-03	7	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-03	8	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-03	9	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-03	10	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-03	11	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
132-03	12	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
132-03	13	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
132-03	14	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
132-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
132-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
132-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
132-04	1	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
132-04	2	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
132-04	3	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
132-04	4	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
132-04	5	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
132-04	6	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
132-04	7	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
132-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-05	1	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
132-05	2	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
132-05	3	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
132-05	4	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
132-05	5	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
132-05	6	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
132-05	7	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-05	8	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-05	9	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-05	10	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-05	11	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1B)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
132-05	12	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-05	13	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-05	14	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-05	15	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-05	16	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-05	17	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-01	1	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
133-01	2	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
133-01	3	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
133-01	4	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
133-01	5	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-01	6	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-01	7	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-01	11	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-01	12	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-01	13	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-01	14	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-01	15	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
133-01	16	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
133-01	17	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
133-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-05	1	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-05	2	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-05	3	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-05	4	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
133-05	5	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-05	6	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-05	7	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-05	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-05	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-05	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-05	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1B)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
133-05	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-05	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-05	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-05	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-05	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-05	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-05	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1B)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A) (Day/Evening)	Noise Criteria, Leq (30min) dB(A) (Night-time)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
135-05	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
801-01	1	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No

Note:

[1] The rail noise level is predicted to be lower than 40 dB(A).

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1C)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
Existing NSR										
N01-01	-	Negligible[1]	69	69	Negligible[1]	69	69	-	-	No
Planned NSRs										
101-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-05	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	11	43	Negligible[1]	43	40	Negligible[1]	40	65	55	No
101-06	12	43	Negligible[1]	43	41	Negligible[1]	41	65	55	No
101-06	13	44	Negligible[1]	44	42	Negligible[1]	42	65	55	No
101-06	14	45	Negligible[1]	45	42	Negligible[1]	42	65	55	No
101-06	15	45	Negligible[1]	45	43	Negligible[1]	43	65	55	No
101-06	16	46	Negligible[1]	46	43	Negligible[1]	43	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1C)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
101-06	17	46	Negligible[1]	46	44	Negligible[1]	44	65	55	No
103-01	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	13	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
103-01	14	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
103-01	15	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
103-01	16	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
103-01	17	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
103-01	18	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
103-03	1	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	2	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	3	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	7	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	8	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	9	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	13	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-03	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-03	16	40	50	50	Negligible[1]	50	50	70	60	No
103-03	17	44	50	51	41	50	51	70	60	No
103-03	18	45	51	51	42	51	51	70	60	No
103-04	1	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	2	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	3	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
103-04	4	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	5	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	6	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	7	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	8	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	9	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	10	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	11	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	12	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	13	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	14	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
103-04	15	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
103-04	16	40	47	48	Negligible[1]	47	47	70	60	No
103-04	17	44	47	49	42	47	48	70	60	No
103-04	18	45	47	49	42	47	48	70	60	No
103-05	1	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
103-05	2	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
103-05	3	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	7	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	8	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	9	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	13	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	14	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	15	40	49	49	Negligible[1]	49	49	70	60	No
103-05	16	45	49	50	42	49	50	70	60	No
103-05	17	45	49	51	43	49	50	70	60	No
103-05	18	46	49	51	43	49	50	70	60	No
103-06	1	Negligible[1]	42	42	Negligible[1]	42	42	65	55	No
103-06	2	Negligible[1]	42	42	Negligible[1]	42	42	65	55	No
103-06	3	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
103-06	4	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
103-06	5	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
103-06	6	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
103-06	7	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
103-06	8	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
103-06	9	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
103-06	10	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
103-06	11	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
103-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1C)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
103-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
103-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
103-06	15	44	Negligible[1]	44	42	Negligible[1]	42	65	55	No
103-06	16	45	Negligible[1]	45	42	Negligible[1]	42	65	55	No
103-06	17	46	Negligible[1]	46	43	Negligible[1]	43	65	55	No
103-06	18	46	Negligible[1]	46	44	Negligible[1]	44	65	55	No
104-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
104-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
104-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
104-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
104-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
104-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
104-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
104-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
104-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
104-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
104-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
104-04	12	41	Negligible[1]	41	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
104-04	13	41	Negligible[1]	41	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
104-04	14	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
104-04	15	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
104-04	16	46	Negligible[1]	46	44	Negligible[1]	44	70	60	No
104-04	17	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
104-04	18	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
107-01	1	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	2	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	3	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	4	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	5	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	6	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	7	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1C)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
107-01	8	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	9	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	10	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	11	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	12	43	Negligible[1]	43	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	13	43	Negligible[1]	43	40	Negligible[1]	40	70	60	No
107-01	14	43	Negligible[1]	43	41	Negligible[1]	41	70	60	No
107-01	15	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
107-01	16	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
107-01	17	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
107-01	18	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
107-03	1	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	2	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	3	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	4	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	5	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	6	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	7	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	8	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	9	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	10	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	11	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	12	43	Negligible[1]	43	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	13	43	Negligible[1]	43	40	Negligible[1]	40	70	60	No
107-03	14	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
107-03	15	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
107-03	16	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
107-03	17	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
107-03	18	49	Negligible[1]	49	47	Negligible[1]	47	70	60	No
107-04	1	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-04	2	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-04	3	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-04	4	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-04	5	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-04	6	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-04	7	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-04	8	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-04	9	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-04	10	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-04	11	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-04	12	43	Negligible[1]	43	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-04	13	43	Negligible[1]	43	40	Negligible[1]	40	70	60	No
107-04	14	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
107-04	15	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
107-04	16	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
107-04	17	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
107-04	18	49	Negligible[1]	49	47	Negligible[1]	47	70	60	No
107-05	1	42	40	44	Negligible[1]	40	40	70	60	No
107-05	2	42	41	44	Negligible[1]	41	41	70	60	No
107-05	3	42	41	44	Negligible[1]	41	41	70	60	No
107-05	4	42	41	45	Negligible[1]	41	41	70	60	No
107-05	5	42	42	45	Negligible[1]	42	42	70	60	No
107-05	6	42	42	45	Negligible[1]	42	42	70	60	No
107-05	7	42	42	45	Negligible[1]	42	42	70	60	No
107-05	8	42	42	45	Negligible[1]	42	42	70	60	No
107-05	9	42	41	45	Negligible[1]	41	41	70	60	No
107-05	10	42	41	45	Negligible[1]	41	41	70	60	No
107-05	11	43	41	45	Negligible[1]	41	41	70	60	No
107-05	12	43	41	45	40	41	44	70	60	No
107-05	13	44	41	46	41	41	44	70	60	No
107-05	14	45	41	47	42	41	45	70	60	No
107-05	15	46	41	48	44	41	46	70	60	No
107-05	16	48	41	49	46	41	47	70	60	No
107-05	17	50	41	51	48	41	49	70	60	No
107-05	18	52	41	52	50	41	50	70	60	No
107-06	1	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-06	2	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-06	3	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-06	4	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-06	5	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-06	6	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-06	7	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-06	8	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-06	9	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-06	10	42	Negligible[1]	42	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-06	11	43	Negligible[1]	43	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-06	12	43	Negligible[1]	43	41	Negligible[1]	41	70	60	No
107-06	13	44	Negligible[1]	44	42	Negligible[1]	42	70	60	No
107-06	14	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
107-06	15	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
107-06	16	49	Negligible[1]	49	47	Negligible[1]	47	70	60	No
107-06	17	51	Negligible[1]	51	49	Negligible[1]	49	70	60	No
107-06	18	53	Negligible[1]	53	51	Negligible[1]	51	70	60	No
108-01	1	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-01	2	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1C)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
108-01	3	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-01	4	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-01	5	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-01	6	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-01	7	44	Negligible[1]	44	40	Negligible[1]	40	70	60	No
108-01	8	43	Negligible[1]	43	40	Negligible[1]	40	70	60	No
108-01	9	43	Negligible[1]	43	40	Negligible[1]	40	70	60	No
108-01	10	43	Negligible[1]	43	40	Negligible[1]	40	70	60	No
108-01	11	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-01	12	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-01	13	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-01	14	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-01	15	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
108-01	16	45	Negligible[1]	45	43	Negligible[1]	43	70	60	No
108-01	17	46	Negligible[1]	46	44	Negligible[1]	44	70	60	No
108-01	18	48	40	48	45	40	46	70	60	No
108-03	1	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-03	2	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-03	3	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-03	4	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-03	5	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-03	6	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-03	7	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-03	8	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-03	9	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-03	10	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-03	11	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-03	12	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-03	13	44	Negligible[1]	44	42	Negligible[1]	42	70	60	No
108-03	14	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
108-03	15	45	Negligible[1]	45	43	Negligible[1]	43	70	60	No
108-03	16	46	Negligible[1]	46	44	Negligible[1]	44	70	60	No
108-03	17	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
108-03	18	49	40	50	47	40	47	70	60	No
108-04	1	45	Negligible[1]	45	41	Negligible[1]	41	70	60	No
108-04	2	45	Negligible[1]	45	41	Negligible[1]	41	70	60	No
108-04	3	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-04	4	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-04	5	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-04	6	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-04	7	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-04	8	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-04	9	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-04	10	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-04	11	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-04	12	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-04	13	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-04	14	44	Negligible[1]	44	41	Negligible[1]	41	70	60	No
108-04	15	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
108-04	16	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
108-04	17	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
108-04	18	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
108-05	1	45	40	46	42	40	44	70	60	No
108-05	2	45	40	46	42	40	44	70	60	No
108-05	3	45	41	46	42	41	44	70	60	No
108-05	4	45	41	46	42	41	45	70	60	No
108-05	5	45	42	46	42	42	45	70	60	No
108-05	6	45	42	46	42	42	45	70	60	No
108-05	7	44	42	46	41	42	45	70	60	No
108-05	8	44	42	46	41	42	45	70	60	No
108-05	9	44	42	46	41	42	45	70	60	No
108-05	10	45	42	47	42	42	45	70	60	No
108-05	11	45	42	47	42	42	45	70	60	No
108-05	12	45	42	47	42	42	45	70	60	No
108-05	13	46	42	47	43	42	45	70	60	No
108-05	14	46	42	48	44	42	46	70	60	No
108-05	15	48	42	49	45	42	47	70	60	No
108-05	16	49	42	50	47	42	48	70	60	No
108-05	17	51	42	51	48	42	49	70	60	No
108-05	18	53	43	53	50	43	51	70	60	No
108-06	1	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
108-06	2	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
108-06	3	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
108-06	4	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
108-06	5	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
108-06	6	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
108-06	7	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
108-06	8	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
108-06	9	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
108-06	10	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
108-06	11	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
108-06	12	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
108-06	13	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
108-06	14	49	Negligible[1]	49	46	Negligible[1]	46	70	60	No
108-06	15	51	Negligible[1]	51	48	Negligible[1]	48	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1C)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
108-06	16	53	Negligible[1]	53	50	Negligible[1]	50	70	60	No
108-06	17	55	Negligible[1]	55	53	Negligible[1]	53	70	60	No
108-06	18	56	Negligible[1]	56	54	Negligible[1]	54	70	60	No
110-01	1	45	49	51	42	49	50	70	60	No
110-01	2	45	49	50	42	49	50	70	60	No
110-01	3	45	49	50	42	49	50	70	60	No
110-01	4	45	49	50	42	49	50	70	60	No
110-01	5	45	49	50	42	49	50	70	60	No
110-01	6	45	49	50	42	49	50	70	60	No
110-01	7	45	49	51	42	49	50	70	60	No
110-01	8	45	50	51	42	50	50	70	60	No
110-01	9	45	50	51	42	50	51	70	60	No
110-01	10	45	50	51	42	50	51	70	60	No
110-01	11	45	51	52	41	51	51	70	60	No
110-01	12	44	51	52	41	51	52	70	60	No
110-01	13	45	52	52	42	52	52	70	60	No
110-01	14	45	52	53	42	52	52	70	60	No
110-01	15	45	52	53	42	52	53	70	60	No
110-01	16	45	53	54	42	53	53	70	60	No
110-01	17	45	53	54	42	53	54	70	60	No
110-01	18	46	54	54	43	54	54	70	60	No
110-03	1	46	48	50	42	48	49	70	60	No
110-03	2	46	48	50	42	48	49	70	60	No
110-03	3	45	48	50	42	48	49	70	60	No
110-03	4	45	48	50	42	48	49	70	60	No
110-03	5	45	48	50	42	48	49	70	60	No
110-03	6	45	48	50	42	48	49	70	60	No
110-03	7	45	48	50	42	48	49	70	60	No
110-03	8	45	48	50	42	48	49	70	60	No
110-03	9	45	48	50	42	48	49	70	60	No
110-03	10	45	49	50	42	49	49	70	60	No
110-03	11	45	49	50	42	49	50	70	60	No
110-03	12	45	49	51	42	49	50	70	60	No
110-03	13	45	50	51	42	50	50	70	60	No
110-03	14	45	50	51	42	50	51	70	60	No
110-03	15	45	50	51	42	50	51	70	60	No
110-03	16	45	51	52	43	51	51	70	60	No
110-03	17	46	51	52	43	51	52	70	60	No
110-03	18	46	51	52	44	51	52	70	60	No
110-04	1	46	45	48	43	45	47	70	60	No
110-04	2	46	45	48	42	45	47	70	60	No
110-04	3	46	45	48	42	45	47	70	60	No
110-04	4	45	45	48	42	45	47	70	60	No
110-04	5	45	45	48	42	45	47	70	60	No
110-04	6	45	45	48	42	45	47	70	60	No
110-04	7	45	45	48	42	45	47	70	60	No
110-04	8	45	45	48	42	45	47	70	60	No
110-04	9	45	45	48	42	45	47	70	60	No
110-04	10	45	45	48	42	45	47	70	60	No
110-04	11	45	45	48	42	45	47	70	60	No
110-04	12	45	45	48	42	45	47	70	60	No
110-04	13	45	46	48	42	46	47	70	60	No
110-04	14	45	46	48	42	46	47	70	60	No
110-04	15	45	46	49	42	46	48	70	60	No
110-04	16	45	46	49	42	46	48	70	60	No
110-04	17	46	47	49	43	47	48	70	60	No
110-04	18	46	47	49	43	47	48	70	60	No
110-05	1	46	48	50	43	48	49	70	60	No
110-05	2	46	49	50	43	49	50	70	60	No
110-05	3	46	49	51	43	49	50	70	60	No
110-05	4	46	49	51	43	49	50	70	60	No
110-05	5	46	49	50	43	49	50	70	60	No
110-05	6	46	49	50	43	49	50	70	60	No
110-05	7	46	49	50	42	49	50	70	60	No
110-05	8	45	49	50	42	49	50	70	60	No
110-05	9	45	49	50	42	49	50	70	60	No
110-05	10	45	49	50	42	49	50	70	60	No
110-05	11	45	49	51	42	49	50	70	60	No
110-05	12	45	49	51	42	49	50	70	60	No
110-05	13	46	50	51	43	50	50	70	60	No
110-05	14	46	50	51	43	50	51	70	60	No
110-05	15	46	50	52	43	50	51	70	60	No
110-05	16	47	50	52	44	50	51	70	60	No
110-05	17	48	51	52	45	51	52	70	60	No
110-05	18	49	51	53	46	51	52	70	60	No
110-06	1	46	40	47	43	40	45	70	60	No
110-06	2	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
110-06	3	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
110-06	4	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
110-06	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
110-06	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
110-06	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
110-06	8	46	Negligible[1]	46	42	Negligible[1]	42	70	60	No
110-06	9	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
110-06	10	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1C)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
110-06	11	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
110-06	12	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
110-06	13	46	Negligible[1]	46	44	Negligible[1]	44	70	60	No
110-06	14	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
110-06	15	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
110-06	16	48	Negligible[1]	48	46	Negligible[1]	46	70	60	No
110-06	17	50	Negligible[1]	50	47	Negligible[1]	47	70	60	No
110-06	18	51	Negligible[1]	51	49	Negligible[1]	49	70	60	No
111-01	1	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-01	2	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-01	3	46	Negligible[1]	46	42	Negligible[1]	42	70	60	No
111-01	4	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-01	5	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-01	6	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-01	7	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-01	8	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-01	9	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-01	10	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-01	11	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-01	12	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-01	13	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-01	14	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-01	15	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-01	16	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-01	17	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-01	18	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-01	19	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
111-02	1	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-02	2	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-02	3	46	Negligible[1]	46	42	Negligible[1]	42	70	60	No
111-02	4	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-02	5	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-02	6	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-02	7	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-02	8	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-02	9	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-02	10	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-02	11	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-02	12	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-02	13	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-02	14	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-02	15	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-02	16	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-02	17	45	Negligible[1]	45	43	Negligible[1]	43	70	60	No
111-02	18	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-02	19	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-03	1	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-03	2	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-03	3	46	Negligible[1]	46	42	Negligible[1]	42	70	60	No
111-03	4	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	5	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	6	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	7	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	8	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	9	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	10	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	11	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	12	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	13	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	14	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	15	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	16	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	17	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	18	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
111-03	19	45	Negligible[1]	45	43	Negligible[1]	43	70	60	No
111-04	1	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-04	2	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-04	3	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-04	4	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-04	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-04	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-04	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-04	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-04	9	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-04	10	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-04	11	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-04	12	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
111-04	13	46	Negligible[1]	46	44	Negligible[1]	44	70	60	No
111-04	14	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
111-04	15	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
111-04	16	48	Negligible[1]	48	46	Negligible[1]	46	70	60	No
111-04	17	49	Negligible[1]	49	47	Negligible[1]	47	70	60	No
111-04	18	51	Negligible[1]	51	48	Negligible[1]	48	70	60	No
111-04	19	52	Negligible[1]	52	50	Negligible[1]	50	70	60	No
113-01	1	46	49	51	43	49	50	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1C)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
113-01	2	46	49	51	43	49	50	70	60	No
113-01	3	46	49	50	43	49	50	70	60	No
113-01	4	46	49	50	43	49	50	70	60	No
113-01	5	46	49	50	42	49	50	70	60	No
113-01	6	45	49	51	42	49	50	70	60	No
113-01	7	45	49	51	42	49	50	70	60	No
113-01	8	45	50	51	42	50	50	70	60	No
113-01	9	45	50	51	42	50	50	70	60	No
113-01	10	45	50	51	42	50	51	70	60	No
113-01	11	45	50	52	42	50	51	70	60	No
113-01	12	45	51	52	42	51	51	70	60	No
113-01	13	45	51	52	42	51	51	70	60	No
113-01	14	45	51	52	42	51	52	70	60	No
113-01	15	45	51	52	42	51	52	70	60	No
113-01	16	45	52	53	43	52	52	70	60	No
113-01	17	46	52	53	43	52	52	70	60	No
113-01	18	46	52	53	43	52	53	70	60	No
113-01	19	46	53	54	43	53	53	70	60	No
113-03	1	46	49	51	43	49	50	70	60	No
113-03	2	46	49	50	43	49	50	70	60	No
113-03	3	46	48	50	43	48	49	70	60	No
113-03	4	46	48	50	43	48	49	70	60	No
113-03	5	46	48	50	43	48	49	70	60	No
113-03	6	46	48	50	43	48	49	70	60	No
113-03	7	46	48	50	43	48	49	70	60	No
113-03	8	46	49	50	42	49	50	70	60	No
113-03	9	45	49	51	42	49	50	70	60	No
113-03	10	45	49	51	42	49	50	70	60	No
113-03	11	45	49	51	42	49	50	70	60	No
113-03	12	45	50	51	42	50	50	70	60	No
113-03	13	45	50	51	42	50	51	70	60	No
113-03	14	45	50	51	43	50	51	70	60	No
113-03	15	46	50	52	43	50	51	70	60	No
113-03	16	46	51	52	43	51	51	70	60	No
113-03	17	46	51	52	43	51	51	70	60	No
113-03	18	46	51	52	44	51	52	70	60	No
113-03	19	47	51	52	44	51	52	70	60	No
113-04	1	46	45	49	43	45	47	70	60	No
113-04	2	46	45	49	43	45	47	70	60	No
113-04	3	46	45	49	43	45	47	70	60	No
113-04	4	46	45	48	43	45	47	70	60	No
113-04	5	46	45	48	43	45	47	70	60	No
113-04	6	46	45	48	43	45	47	70	60	No
113-04	7	46	44	48	43	44	47	70	60	No
113-04	8	46	45	48	43	45	47	70	60	No
113-04	9	45	45	48	42	45	47	70	60	No
113-04	10	45	45	48	42	45	47	70	60	No
113-04	11	45	45	48	42	45	47	70	60	No
113-04	12	45	45	48	42	45	47	70	60	No
113-04	13	45	45	48	42	45	47	70	60	No
113-04	14	45	45	48	42	45	47	70	60	No
113-04	15	46	45	48	43	45	47	70	60	No
113-04	16	46	45	49	43	45	47	70	60	No
113-04	17	46	45	49	43	45	47	70	60	No
113-04	18	46	45	49	43	45	48	70	60	No
113-04	19	47	46	49	44	46	48	70	60	No
113-05	1	46	48	51	43	48	50	70	60	No
113-05	2	46	49	51	43	49	50	70	60	No
113-05	3	46	49	51	43	49	50	70	60	No
113-05	4	46	49	51	43	49	50	70	60	No
113-05	5	46	49	51	43	49	50	70	60	No
113-05	6	46	49	51	43	49	50	70	60	No
113-05	7	46	49	50	43	49	50	70	60	No
113-05	8	46	49	50	43	49	50	70	60	No
113-05	9	46	49	50	43	49	50	70	60	No
113-05	10	46	49	51	43	49	50	70	60	No
113-05	11	46	49	51	43	49	50	70	60	No
113-05	12	46	49	51	43	49	50	70	60	No
113-05	13	46	50	51	43	50	50	70	60	No
113-05	14	46	50	51	43	50	50	70	60	No
113-05	15	46	50	51	43	50	51	70	60	No
113-05	16	47	50	52	44	50	51	70	60	No
113-05	17	47	50	52	45	50	51	70	60	No
113-05	18	48	50	52	45	50	51	70	60	No
113-05	19	49	51	53	46	51	52	70	60	No
113-06	1	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
113-06	2	47	Negligible[1]	47	43	Negligible[1]	43	70	60	No
113-06	3	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
113-06	4	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
113-06	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
113-06	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
113-06	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
113-06	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
113-06	9	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
113-06	10	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1C)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
113-06	11	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
113-06	12	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
113-06	13	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
113-06	14	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
113-06	15	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
113-06	16	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
113-06	17	49	Negligible[1]	49	46	Negligible[1]	46	70	60	No
113-06	18	50	Negligible[1]	50	48	Negligible[1]	48	70	60	No
113-06	19	52	Negligible[1]	52	49	Negligible[1]	49	70	60	No
114-01	1	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-01	2	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-01	3	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-01	4	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-01	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-01	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-01	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-01	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-01	9	46	Negligible[1]	46	42	Negligible[1]	42	70	60	No
114-01	10	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-01	11	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-01	12	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-01	13	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-01	14	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-01	15	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-01	16	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-01	17	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-01	18	46	Negligible[1]	46	44	Negligible[1]	44	70	60	No
114-01	19	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
114-02	1	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-02	2	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-02	3	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-02	4	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-02	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-02	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-02	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-02	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-02	9	46	Negligible[1]	46	42	Negligible[1]	42	70	60	No
114-02	10	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-02	11	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-02	12	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-02	13	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-02	14	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-02	15	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-02	16	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-02	17	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-02	18	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-02	19	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
114-03	1	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-03	2	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-03	3	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-03	4	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-03	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-03	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-03	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-03	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-03	9	46	Negligible[1]	46	42	Negligible[1]	42	70	60	No
114-03	10	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-03	11	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-03	12	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-03	13	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-03	14	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-03	15	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
114-03	16	45	Negligible[1]	45	43	Negligible[1]	43	70	60	No
114-03	17	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-03	18	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-03	19	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-04	1	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
114-04	2	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
114-04	3	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
114-04	4	47	Negligible[1]	47	43	Negligible[1]	43	70	60	No
114-04	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-04	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-04	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-04	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-04	9	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-04	10	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-04	11	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
114-04	12	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
114-04	13	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
114-04	14	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
114-04	15	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
114-04	16	48	Negligible[1]	48	46	Negligible[1]	46	70	60	No
114-04	17	49	Negligible[1]	49	47	Negligible[1]	47	70	60	No
114-04	18	51	Negligible[1]	51	48	Negligible[1]	48	70	60	No
114-04	19	52	Negligible[1]	52	50	Negligible[1]	50	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1C)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
116-01	1	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	2	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	3	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	4	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	9	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	10	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	11	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	12	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	13	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	14	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	15	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	16	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-01	17	46	Negligible[1]	46	44	Negligible[1]	44	70	60	No
116-01	18	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
116-01	19	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
116-02	1	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	2	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	3	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	4	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	9	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	10	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	11	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	12	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	13	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	14	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	15	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	16	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	17	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-02	18	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
116-02	19	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
116-03	1	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	2	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	3	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	4	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	9	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	10	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	11	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	12	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	13	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	14	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	15	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	16	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	17	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	18	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-03	19	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
116-04	1	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
116-04	2	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
116-04	3	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
116-04	4	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
116-04	5	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
116-04	6	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
116-04	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-04	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-04	9	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-04	10	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
116-04	11	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
116-04	12	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
116-04	13	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
116-04	14	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
116-04	15	48	Negligible[1]	48	46	Negligible[1]	46	70	60	No
116-04	16	49	Negligible[1]	49	47	Negligible[1]	47	70	60	No
116-04	17	50	Negligible[1]	50	48	Negligible[1]	48	70	60	No
116-04	18	52	Negligible[1]	52	49	Negligible[1]	49	70	60	No
116-04	19	54	Negligible[1]	54	51	Negligible[1]	51	70	60	No
117-01	1	47	Negligible[1]	47	43	Negligible[1]	43	70	60	No
117-01	2	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-01	3	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-01	4	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-01	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-01	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-01	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-01	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-01	9	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1C)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
117-01	10	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-01	11	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-01	12	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-01	13	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-01	14	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-01	15	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-01	16	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-01	17	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-01	18	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-01	19	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
117-02	1	47	Negligible[1]	47	43	Negligible[1]	43	70	60	No
117-02	2	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	3	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	4	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	9	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	10	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	11	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	12	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	13	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	14	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	15	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	16	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-02	17	46	Negligible[1]	46	44	Negligible[1]	44	70	60	No
117-02	18	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-02	19	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
117-03	1	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-03	2	47	Negligible[1]	47	43	Negligible[1]	43	70	60	No
117-03	3	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	4	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	9	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	10	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	11	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	12	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	13	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	14	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	15	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	16	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	17	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	18	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
117-03	19	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-04	1	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-04	2	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-04	3	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-04	4	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-04	5	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-04	6	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-04	7	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-04	8	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-04	9	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-04	10	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-04	11	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
117-04	12	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
117-04	13	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
117-04	14	49	Negligible[1]	49	46	Negligible[1]	46	70	60	No
117-04	15	49	Negligible[1]	49	47	Negligible[1]	47	70	60	No
117-04	16	51	Negligible[1]	51	48	Negligible[1]	48	70	60	No
117-04	17	52	Negligible[1]	52	50	Negligible[1]	50	70	60	No
117-04	18	54	Negligible[1]	54	52	Negligible[1]	52	70	60	No
117-04	19	56	Negligible[1]	56	53	Negligible[1]	53	70	60	No
118-01	1	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-01	2	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-01	3	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-01	4	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-01	5	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-01	6	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-01	7	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-01	8	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-01	9	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-01	10	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-01	11	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-01	12	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-01	13	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
118-01	14	48	Negligible[1]	48	46	Negligible[1]	46	70	60	No
118-01	15	49	Negligible[1]	49	47	Negligible[1]	47	70	60	No
118-01	16	50	Negligible[1]	50	48	Negligible[1]	48	70	60	No
118-01	17	52	Negligible[1]	52	50	Negligible[1]	50	70	60	No
118-01	18	54	Negligible[1]	54	51	Negligible[1]	51	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1C)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
118-01	19	55	Negligible[1]	55	53	Negligible[1]	53	70	60	No
118-02	1	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-02	2	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-02	3	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-02	4	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-02	5	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-02	6	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-02	7	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-02	8	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-02	9	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-02	10	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-02	11	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-02	12	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-02	13	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
118-02	14	48	Negligible[1]	48	46	Negligible[1]	46	70	60	No
118-02	15	49	Negligible[1]	49	46	Negligible[1]	46	70	60	No
118-02	16	50	Negligible[1]	50	48	Negligible[1]	48	70	60	No
118-02	17	52	Negligible[1]	52	50	Negligible[1]	50	70	60	No
118-02	18	53	Negligible[1]	53	51	Negligible[1]	51	70	60	No
118-02	19	55	Negligible[1]	55	53	Negligible[1]	53	70	60	No
118-03	1	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-03	2	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-03	3	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-03	4	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-03	5	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-03	6	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-03	7	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-03	8	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-03	9	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-03	10	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-03	11	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-03	12	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-03	13	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-03	14	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
118-03	15	48	Negligible[1]	48	46	Negligible[1]	46	70	60	No
118-03	16	49	Negligible[1]	49	47	Negligible[1]	47	70	60	No
118-03	17	51	Negligible[1]	51	48	Negligible[1]	48	70	60	No
118-03	18	52	Negligible[1]	52	50	Negligible[1]	50	70	60	No
118-03	19	54	Negligible[1]	54	52	Negligible[1]	52	70	60	No
118-04	1	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
118-04	2	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
118-04	3	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
118-04	4	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
118-04	5	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-04	6	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-04	7	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
118-04	8	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
118-04	9	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
118-04	10	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
118-04	11	49	Negligible[1]	49	46	Negligible[1]	46	70	60	No
118-04	12	50	Negligible[1]	50	47	Negligible[1]	47	70	60	No
118-04	13	51	Negligible[1]	51	48	Negligible[1]	48	70	60	No
118-04	14	53	Negligible[1]	53	50	Negligible[1]	50	70	60	No
118-04	15	55	Negligible[1]	55	53	Negligible[1]	53	70	60	No
118-04	16	57	Negligible[1]	57	55	Negligible[1]	55	70	60	No
118-04	17	59	Negligible[1]	59	56	Negligible[1]	56	70	60	No
118-04	18	60	Negligible[1]	60	58	Negligible[1]	58	70	60	No
118-04	19	61	Negligible[1]	61	58	Negligible[1]	58	70	60	No
119-01	1	Negligible[1]	Negligible[1]	Negligible[1]	42	Negligible[1]	42	65	55	No
119-01	2	Negligible[1]	Negligible[1]	Negligible[1]	42	Negligible[1]	42	65	55	No
119-01	3	Negligible[1]	Negligible[1]	Negligible[1]	42	Negligible[1]	42	65	55	No
119-01	4	Negligible[1]	Negligible[1]	Negligible[1]	42	Negligible[1]	42	65	55	No
119-01	5	Negligible[1]	Negligible[1]	Negligible[1]	42	Negligible[1]	42	65	55	No
119-01	6	Negligible[1]	Negligible[1]	Negligible[1]	42	Negligible[1]	42	65	55	No
119-01	7	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-01	8	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-01	9	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-01	10	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-01	11	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-01	12	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-01	13	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-01	14	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-01	15	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-03	1	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-03	2	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-03	3	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-03	4	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-03	5	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-03	6	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-03	7	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-03	8	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-03	9	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-03	10	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-03	11	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-03	12	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1C)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
119-03	13	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-03	14	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-03	15	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-04	1	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-04	2	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-04	3	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-04	4	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-04	5	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-04	6	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-04	7	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-04	8	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-04	9	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-04	10	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-04	11	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-04	12	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-04	13	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-04	14	Negligible[1]	Negligible[1]	Negligible[1]	41	Negligible[1]	41	65	55	No
119-04	15	Negligible[1]	Negligible[1]	Negligible[1]	40	Negligible[1]	40	65	55	No
119-05	1	Negligible[1]	Negligible[1]	Negligible[1]	40	Negligible[1]	40	65	55	No
119-05	2	Negligible[1]	Negligible[1]	Negligible[1]	40	Negligible[1]	40	65	55	No
119-05	3	Negligible[1]	Negligible[1]	Negligible[1]	40	Negligible[1]	40	65	55	No
119-05	4	Negligible[1]	Negligible[1]	Negligible[1]	40	Negligible[1]	40	65	55	No
119-05	5	Negligible[1]	Negligible[1]	Negligible[1]	40	Negligible[1]	40	65	55	No
119-05	6	Negligible[1]	Negligible[1]	Negligible[1]	40	Negligible[1]	40	65	55	No
119-05	7	Negligible[1]	Negligible[1]	Negligible[1]	40	Negligible[1]	40	65	55	No
119-05	8	Negligible[1]	Negligible[1]	Negligible[1]	40	Negligible[1]	40	65	55	No
119-05	9	Negligible[1]	Negligible[1]	Negligible[1]	40	Negligible[1]	40	65	55	No
119-05	10	Negligible[1]	Negligible[1]	Negligible[1]	40	Negligible[1]	40	65	55	No
119-05	11	Negligible[1]	Negligible[1]	Negligible[1]	40	Negligible[1]	40	65	55	No
119-05	12	Negligible[1]	Negligible[1]	Negligible[1]	40	Negligible[1]	40	65	55	No
119-05	13	Negligible[1]	Negligible[1]	Negligible[1]	40	Negligible[1]	40	65	55	No
119-05	14	Negligible[1]	Negligible[1]	Negligible[1]	40	Negligible[1]	40	65	55	No
119-05	15	Negligible[1]	Negligible[1]	Negligible[1]	40	Negligible[1]	40	65	55	No
119-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-01	1	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	2	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	3	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	4	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	5	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	6	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-01	7	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	8	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	9	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	10	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	11	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	12	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	13	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
122-01	14	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
122-01	15	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
122-01	16	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
122-03	1	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-03	2	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-03	3	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-03	4	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-03	5	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-03	6	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-03	7	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	8	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	9	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	10	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	11	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	12	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	13	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	14	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	15	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	16	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1C)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
122-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-05	1	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-05	2	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-05	3	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-05	4	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-05	5	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-05	6	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-05	7	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-05	8	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-05	9	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-05	10	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-05	11	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-05	12	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-05	13	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-05	14	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-05	15	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-05	16	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-01	1	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-01	2	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
123-01	3	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
123-01	4	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
123-01	5	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
123-01	6	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
123-01	7	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
123-01	8	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
123-01	9	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
123-01	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
123-01	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
123-01	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
123-01	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
123-01	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
123-01	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
123-01	16	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
123-03	1	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
123-03	2	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
123-03	3	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
123-03	4	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
123-03	5	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
123-03	6	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
123-03	7	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
123-03	8	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-03	9	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-03	10	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-03	11	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-03	12	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-03	13	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-03	14	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-03	15	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-03	16	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1C)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
123-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-05	1	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	2	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	3	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	4	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	5	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
123-05	6	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
123-05	7	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	8	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	9	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	10	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	11	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	12	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	13	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	14	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	15	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	16	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
123-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-01	9	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
125-01	10	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
125-01	11	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
125-01	12	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
125-01	13	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
125-01	14	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
125-01	15	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
125-01	16	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
125-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-03	9	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
125-03	10	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
125-03	11	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
125-03	12	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
125-03	13	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
125-03	14	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
125-03	15	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
125-03	16	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
125-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1C)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
125-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-05	1	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
125-05	2	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
125-05	3	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
125-05	4	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
125-05	5	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
125-05	6	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
125-05	7	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
125-05	8	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
125-05	9	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
125-05	10	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
125-05	11	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
125-05	12	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
125-05	13	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
125-05	14	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
125-05	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
125-05	16	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
125-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-01	8	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
126-01	9	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
126-01	10	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
126-01	11	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
126-01	12	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
126-01	13	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
126-01	14	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
126-01	15	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
126-01	16	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
126-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	14	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
126-03	15	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
126-03	16	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
126-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1C)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
126-05	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-05	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1C)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
129-05	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-01	5	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
130-01	6	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
130-01	7	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-01	8	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
130-01	9	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
130-01	10	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
130-01	11	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
130-01	12	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
130-01	13	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
130-01	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
130-01	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
130-01	16	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
130-01	17	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
130-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	10	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
130-03	11	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
130-03	12	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-03	13	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
130-03	14	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
130-03	15	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
130-03	16	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
130-03	17	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
130-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-05	1	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	2	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	3	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	4	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	5	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	6	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	7	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	8	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	9	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	10	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
130-05	11	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1C)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
130-05	12	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
130-05	13	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
130-05	14	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
130-05	15	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
130-05	16	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
130-05	17	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
130-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-01	1	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
132-01	2	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
132-01	3	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-01	4	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-01	5	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-01	6	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-01	7	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-01	8	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	9	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	10	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	11	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	12	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	13	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	14	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	15	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	16	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	17	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-03	1	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-03	2	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-03	3	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-03	4	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-03	5	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-03	6	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-03	7	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-03	8	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-03	9	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-03	10	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-03	11	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
132-03	12	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
132-03	13	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
132-03	14	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
132-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
132-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
132-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
132-04	1	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
132-04	2	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
132-04	3	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
132-04	4	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
132-04	5	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
132-04	6	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
132-04	7	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
132-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-05	1	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
132-05	2	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
132-05	3	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
132-05	4	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
132-05	5	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
132-05	6	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
132-05	7	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-05	8	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-05	9	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-05	10	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-05	11	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1C)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
132-05	12	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-05	13	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-05	14	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-05	15	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-05	16	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-05	17	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-01	1	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
133-01	2	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
133-01	3	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
133-01	4	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
133-01	5	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-01	6	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-01	7	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-01	11	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-01	12	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-01	13	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-01	14	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-01	15	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
133-01	16	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
133-01	17	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
133-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-05	1	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-05	2	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-05	3	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-05	4	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
133-05	5	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-05	6	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-05	7	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-05	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-05	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-05	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-05	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1C)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
133-05	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-05	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-05	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-05	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-05	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-05	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-05	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1C)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
135-05	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	1	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
136-01	2	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
136-01	3	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
136-01	4	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
136-01	5	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
136-01	6	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
136-01	7	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
136-01	8	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
136-01	9	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
136-01	10	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
136-01	11	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
136-01	12	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
136-01	13	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
136-01	14	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
136-01	15	48	Negligible[1]	48	46	Negligible[1]	46	70	60	No
136-01	16	49	Negligible[1]	49	47	Negligible[1]	47	70	60	No
136-01	17	51	Negligible[1]	51	48	Negligible[1]	48	70	60	No
136-01	18	52	Negligible[1]	52	50	Negligible[1]	50	70	60	No
136-01	19	54	Negligible[1]	54	52	Negligible[1]	52	70	60	No
136-02	1	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
136-02	2	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
136-02	3	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
136-02	4	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
136-02	5	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
136-02	6	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
136-02	7	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
136-02	8	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
136-02	9	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
136-02	10	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
136-02	11	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
136-02	12	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
136-02	13	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
136-02	14	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
136-02	15	48	Negligible[1]	48	46	Negligible[1]	46	70	60	No
136-02	16	49	Negligible[1]	49	47	Negligible[1]	47	70	60	No
136-02	17	51	Negligible[1]	51	48	Negligible[1]	48	70	60	No
136-02	18	52	Negligible[1]	52	50	Negligible[1]	50	70	60	No
136-02	19	54	Negligible[1]	54	51	Negligible[1]	51	70	60	No
136-03	1	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
136-03	2	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
136-03	3	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
136-03	4	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
136-03	5	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
136-03	6	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
136-03	7	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
136-03	8	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
136-03	9	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
136-03	10	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
136-03	11	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
136-03	12	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
136-03	13	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
136-03	14	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
136-03	15	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
136-03	16	48	Negligible[1]	48	46	Negligible[1]	46	70	60	No
136-03	17	50	Negligible[1]	50	47	Negligible[1]	47	70	60	No
136-03	18	51	Negligible[1]	51	49	Negligible[1]	49	70	60	No
136-03	19	52	Negligible[1]	52	50	Negligible[1]	50	70	60	No
136-04	1	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
136-04	2	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
136-04	3	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
136-04	4	48	Negligible[1]	48	44	Negligible[1]	44	70	60	No
136-04	5	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1C)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
136-04	6	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
136-04	7	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
136-04	8	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
136-04	9	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
136-04	10	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
136-04	11	48	Negligible[1]	48	46	Negligible[1]	46	70	60	No
136-04	12	49	Negligible[1]	49	46	Negligible[1]	46	70	60	No
136-04	13	50	Negligible[1]	50	48	Negligible[1]	48	70	60	No
136-04	14	52	Negligible[1]	52	49	Negligible[1]	49	70	60	No
136-04	15	54	Negligible[1]	54	51	Negligible[1]	51	70	60	No
136-04	16	56	Negligible[1]	56	53	Negligible[1]	53	70	60	No
136-04	17	58	Negligible[1]	58	55	Negligible[1]	55	70	60	No
136-04	18	59	Negligible[1]	59	57	Negligible[1]	57	70	60	No
136-04	19	60	Negligible[1]	60	58	Negligible[1]	58	70	60	No
139-01	1	46	Negligible[1]	46	44	Negligible[1]	44	70	60	No
139-01	2	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-01	3	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-01	4	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-01	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-01	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-01	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-01	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-01	9	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-01	10	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-01	11	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-01	12	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-01	13	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-01	14	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-01	15	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-01	16	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-01	17	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-01	18	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
139-01	19	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
139-01	20	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
139-02	1	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-02	2	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-02	3	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-02	4	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-02	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-02	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-02	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-02	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-02	9	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-02	10	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-02	11	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-02	12	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-02	13	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-02	14	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-02	15	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-02	16	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-02	17	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-02	18	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-02	19	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
139-02	20	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
139-03	1	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-03	2	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-03	3	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-03	4	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-03	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-03	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-03	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-03	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-03	9	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-03	10	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-03	11	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-03	12	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-03	13	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-03	14	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-03	15	45	Negligible[1]	45	43	Negligible[1]	43	70	60	No
139-03	16	45	Negligible[1]	45	43	Negligible[1]	43	70	60	No
139-03	17	45	Negligible[1]	45	43	Negligible[1]	43	70	60	No
139-03	18	45	Negligible[1]	45	43	Negligible[1]	43	70	60	No
139-03	19	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-03	20	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
139-04	1	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
139-04	2	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
139-04	3	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
139-04	4	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
139-04	5	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
139-04	6	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
139-04	7	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
139-04	8	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
139-04	9	46	Negligible[1]	46	44	Negligible[1]	44	70	60	No
139-04	10	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
139-04	11	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1C)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
139-04	12	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
139-04	13	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
139-04	14	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
139-04	15	48	Negligible[1]	48	46	Negligible[1]	46	70	60	No
139-04	16	49	Negligible[1]	49	46	Negligible[1]	46	70	60	No
139-04	17	50	Negligible[1]	50	48	Negligible[1]	48	70	60	No
139-04	18	52	Negligible[1]	52	49	Negligible[1]	49	70	60	No
139-04	19	54	Negligible[1]	54	51	Negligible[1]	51	70	60	No
139-04	20	55	Negligible[1]	55	53	Negligible[1]	53	70	60	No
140-01	1	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
140-01	2	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
140-01	3	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
140-01	4	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
140-01	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
140-01	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
140-01	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
140-01	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
140-01	9	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
140-01	10	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
140-01	11	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
140-01	12	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
140-01	13	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
140-01	14	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
140-01	15	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
140-01	16	46	Negligible[1]	46	44	Negligible[1]	44	70	60	No
140-01	17	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
140-01	18	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
140-01	19	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
140-01	20	49	Negligible[1]	49	46	Negligible[1]	46	70	60	No
140-02	1	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
140-02	2	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
140-02	3	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
140-02	4	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
140-02	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
140-02	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
140-02	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
140-02	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
140-02	9	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
140-02	10	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
140-02	11	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
140-02	12	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
140-02	13	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
140-02	14	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
140-02	15	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
140-02	16	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
140-02	17	46	Negligible[1]	46	44	Negligible[1]	44	70	60	No
140-02	18	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
140-02	19	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
140-02	20	49	Negligible[1]	49	46	Negligible[1]	46	70	60	No
140-03	1	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
140-03	2	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
140-03	3	46	Negligible[1]	46	44	Negligible[1]	44	70	60	No
140-03	4	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
140-03	5	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
140-03	6	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
140-03	7	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
140-03	8	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
140-03	9	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
140-03	10	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
140-03	11	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
140-03	12	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
140-03	13	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
140-03	14	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
140-03	15	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
140-03	16	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
140-03	17	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
140-03	18	46	Negligible[1]	46	43	Negligible[1]	43	70	60	No
140-03	19	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
140-03	20	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
140-04	1	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
140-04	2	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
140-04	3	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
140-04	4	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
140-04	5	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
140-04	6	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
140-04	7	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
140-04	8	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
140-04	9	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
140-04	10	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
140-04	11	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
140-04	12	47	Negligible[1]	47	44	Negligible[1]	44	70	60	No
140-04	13	47	Negligible[1]	47	45	Negligible[1]	45	70	60	No
140-04	14	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
140-04	15	49	Negligible[1]	49	46	Negligible[1]	46	70	60	No
140-04	16	50	Negligible[1]	50	47	Negligible[1]	47	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1C)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
140-04	17	51	Negligible[1]	51	48	Negligible[1]	48	70	60	No
140-04	18	53	Negligible[1]	53	50	Negligible[1]	50	70	60	No
140-04	19	54	Negligible[1]	54	52	Negligible[1]	52	70	60	No
140-04	20	56	Negligible[1]	56	53	Negligible[1]	53	70	60	No
142-01	1	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
142-01	2	48	40	49	45	40	46	70	60	No
142-01	3	49	40	49	44	40	46	70	60	No
142-01	4	49	40	50	44	40	46	70	60	No
142-01	5	50	40	50	44	40	46	70	60	No
142-01	6	50	Negligible[1]	50	44	Negligible[1]	44	70	60	No
142-01	7	50	Negligible[1]	50	44	Negligible[1]	44	70	60	No
142-01	8	50	Negligible[1]	50	44	Negligible[1]	44	70	60	No
142-01	9	50	Negligible[1]	50	44	Negligible[1]	44	70	60	No
142-01	10	50	Negligible[1]	50	44	Negligible[1]	44	70	60	No
142-01	11	50	Negligible[1]	50	44	Negligible[1]	44	70	60	No
142-01	12	50	40	50	44	40	45	70	60	No
142-01	13	50	40	50	44	40	46	70	60	No
142-01	14	50	40	50	44	40	46	70	60	No
142-01	15	50	41	51	45	41	46	70	60	No
142-01	16	51	41	51	46	41	47	70	60	No
142-01	17	52	41	52	48	41	49	70	60	No
142-01	18	53	41	53	49	41	50	70	60	No
142-01	19	54	42	54	51	42	51	70	60	No
142-01	20	55	42	55	51	42	52	70	60	No
142-03	1	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
142-03	2	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
142-03	3	49	Negligible[1]	49	45	Negligible[1]	45	70	60	No
142-03	4	49	Negligible[1]	49	45	Negligible[1]	45	70	60	No
142-03	5	50	Negligible[1]	50	44	Negligible[1]	44	70	60	No
142-03	6	50	Negligible[1]	50	44	Negligible[1]	44	70	60	No
142-03	7	50	Negligible[1]	50	44	Negligible[1]	44	70	60	No
142-03	8	50	Negligible[1]	50	44	Negligible[1]	44	70	60	No
142-03	9	49	Negligible[1]	49	44	Negligible[1]	44	70	60	No
142-03	10	49	Negligible[1]	49	44	Negligible[1]	44	70	60	No
142-03	11	50	Negligible[1]	50	44	Negligible[1]	44	70	60	No
142-03	12	50	Negligible[1]	50	44	Negligible[1]	44	70	60	No
142-03	13	50	Negligible[1]	50	44	Negligible[1]	44	70	60	No
142-03	14	50	Negligible[1]	50	45	Negligible[1]	45	70	60	No
142-03	15	51	Negligible[1]	51	46	Negligible[1]	46	70	60	No
142-03	16	51	Negligible[1]	51	47	Negligible[1]	47	70	60	No
142-03	17	52	40	53	49	40	49	70	60	No
142-03	18	54	40	54	50	40	51	70	60	No
142-03	19	54	41	54	51	41	51	70	60	No
142-03	20	55	41	55	52	41	52	70	60	No
142-04	1	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
142-04	2	48	Negligible[1]	48	45	Negligible[1]	45	70	60	No
142-04	3	49	Negligible[1]	49	45	Negligible[1]	45	70	60	No
142-04	4	49	Negligible[1]	49	45	Negligible[1]	45	70	60	No
142-04	5	50	Negligible[1]	50	44	Negligible[1]	44	70	60	No
142-04	6	50	Negligible[1]	50	44	Negligible[1]	44	70	60	No
142-04	7	50	Negligible[1]	50	44	Negligible[1]	44	70	60	No
142-04	8	49	Negligible[1]	49	44	Negligible[1]	44	70	60	No
142-04	9	49	Negligible[1]	49	44	Negligible[1]	44	70	60	No
142-04	10	49	Negligible[1]	49	44	Negligible[1]	44	70	60	No
142-04	11	49	Negligible[1]	49	44	Negligible[1]	44	70	60	No
142-04	12	49	Negligible[1]	49	44	Negligible[1]	44	70	60	No
142-04	13	49	Negligible[1]	49	44	Negligible[1]	44	70	60	No
142-04	14	49	Negligible[1]	49	44	Negligible[1]	44	70	60	No
142-04	15	50	Negligible[1]	50	44	Negligible[1]	44	70	60	No
142-04	16	50	Negligible[1]	50	45	Negligible[1]	45	70	60	No
142-04	17	50	Negligible[1]	50	45	Negligible[1]	45	70	60	No
142-04	18	51	Negligible[1]	51	46	Negligible[1]	46	70	60	No
142-04	19	51	Negligible[1]	51	47	Negligible[1]	47	70	60	No
142-04	20	52	Negligible[1]	52	48	Negligible[1]	48	70	60	No
142-05	1	49	44	50	45	44	48	70	60	No
142-05	2	49	45	50	45	45	48	70	60	No
142-05	3	49	46	51	45	46	48	70	60	No
142-05	4	50	46	51	45	46	48	70	60	No
142-05	5	50	46	51	45	46	48	70	60	No
142-05	6	50	46	51	45	46	48	70	60	No
142-05	7	50	46	51	45	46	48	70	60	No
142-05	8	50	46	51	44	46	48	70	60	No
142-05	9	50	46	51	44	46	48	70	60	No
142-05	10	50	46	51	45	46	48	70	60	No
142-05	11	50	46	51	45	46	48	70	60	No
142-05	12	50	46	51	45	46	49	70	60	No
142-05	13	50	46	52	46	46	49	70	60	No
142-05	14	51	46	52	47	46	50	70	60	No
142-05	15	52	46	53	49	46	51	70	60	No
142-05	16	54	47	54	50	47	52	70	60	No
142-05	17	55	47	55	51	47	53	70	60	No
142-05	18	55	47	56	52	47	53	70	60	No
142-05	19	56	47	56	53	47	54	70	60	No
142-05	20	56	47	57	53	47	54	70	60	No
142-06	1	49	41	49	45	41	47	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1C)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
142-06	2	49	42	50	45	42	47	70	60	No
142-06	3	49	43	50	45	43	47	70	60	No
142-06	4	50	43	50	45	43	47	70	60	No
142-06	5	50	43	51	45	43	47	70	60	No
142-06	6	50	43	51	45	43	47	70	60	No
142-06	7	50	43	50	45	43	47	70	60	No
142-06	8	50	43	50	45	43	47	70	60	No
142-06	9	50	43	51	45	43	47	70	60	No
142-06	10	50	43	51	45	43	47	70	60	No
142-06	11	50	43	51	46	43	48	70	60	No
142-06	12	51	43	51	47	43	48	70	60	No
142-06	13	52	43	52	48	43	49	70	60	No
142-06	14	54	43	54	50	43	51	70	60	No
142-06	15	55	43	56	52	43	53	70	60	No
142-06	16	57	43	57	54	43	54	70	60	No
142-06	17	58	43	58	55	43	55	70	60	No
142-06	18	59	43	59	56	43	56	70	60	No
142-06	19	59	43	59	56	43	56	70	60	No
142-06	20	59	43	59	57	43	57	70	60	No
143-01	1	45	42	47	42	42	45	70	60	No
143-01	2	45	43	47	42	43	45	70	60	No
143-01	3	45	44	48	42	44	46	70	60	No
143-01	4	45	46	48	42	46	47	70	60	No
143-01	5	45	47	49	42	47	48	70	60	No
143-01	6	45	48	50	42	48	49	70	60	No
143-01	7	45	48	50	41	48	49	70	60	No
143-01	8	44	48	50	41	48	49	70	60	No
143-01	9	44	48	50	41	48	49	70	60	No
143-01	10	44	49	50	41	49	49	70	60	No
143-01	11	44	49	50	41	49	49	70	60	No
143-01	12	44	48	50	41	48	49	70	60	No
143-01	13	44	48	50	41	48	49	70	60	No
143-01	14	45	48	50	42	48	49	70	60	No
143-01	15	45	48	50	42	48	49	70	60	No
143-01	16	45	48	50	42	48	49	70	60	No
143-01	17	46	48	50	43	48	49	70	60	No
143-01	18	47	48	51	44	48	50	70	60	No
143-01	19	48	48	51	46	48	50	70	60	No
143-01	20	50	48	52	47	48	51	70	60	No
143-03	1	45	42	47	42	42	45	70	60	No
143-03	2	45	43	47	42	43	45	70	60	No
143-03	3	45	44	47	42	44	46	70	60	No
143-03	4	45	46	48	42	46	47	70	60	No
143-03	5	45	47	49	41	47	48	70	60	No
143-03	6	45	48	49	41	48	49	70	60	No
143-03	7	44	48	50	41	48	49	70	60	No
143-03	8	44	48	50	41	48	49	70	60	No
143-03	9	44	48	50	41	48	49	70	60	No
143-03	10	44	49	50	41	49	49	70	60	No
143-03	11	44	49	50	41	49	49	70	60	No
143-03	12	44	49	50	41	49	49	70	60	No
143-03	13	45	49	50	42	49	49	70	60	No
143-03	14	45	49	50	42	49	49	70	60	No
143-03	15	45	48	50	42	48	49	70	60	No
143-03	16	46	48	50	43	48	49	70	60	No
143-03	17	47	48	51	44	48	50	70	60	No
143-03	18	48	48	51	45	48	50	70	60	No
143-03	19	49	48	52	47	48	51	70	60	No
143-03	20	51	48	53	48	48	51	70	60	No
143-04	1	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
143-04	2	45	Negligible[1]	45	42	Negligible[1]	42	70	60	No
143-04	3	45	Negligible[1]	45	41	Negligible[1]	41	70	60	No
143-04	4	45	41	46	41	41	44	70	60	No
143-04	5	44	43	47	41	43	45	70	60	No
143-04	6	44	44	47	41	44	46	70	60	No
143-04	7	44	44	47	41	44	46	70	60	No
143-04	8	44	44	47	41	44	46	70	60	No
143-04	9	44	45	47	41	45	46	70	60	No
143-04	10	44	45	48	41	45	47	70	60	No
143-04	11	44	45	48	41	45	47	70	60	No
143-04	12	44	45	48	41	45	47	70	60	No
143-04	13	44	45	48	41	45	47	70	60	No
143-04	14	45	45	48	42	45	47	70	60	No
143-04	15	45	45	48	42	45	47	70	60	No
143-04	16	46	45	48	43	45	47	70	60	No
143-04	17	47	45	49	44	45	48	70	60	No
143-04	18	48	45	50	45	45	48	70	60	No
143-04	19	49	45	51	47	45	49	70	60	No
143-04	20	51	45	52	48	45	50	70	60	No
143-05	1	45	44	47	42	44	46	70	60	No
143-05	2	45	45	48	42	45	47	70	60	No
143-05	3	45	46	48	42	46	47	70	60	No
143-05	4	45	47	49	41	47	48	70	60	No
143-05	5	44	48	50	41	48	49	70	60	No
143-05	6	44	49	50	41	49	50	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1C)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
143-05	7	44	50	51	41	50	51	70	60	No
143-05	8	44	52	52	41	52	52	70	60	No
143-05	9	44	52	53	41	52	53	70	60	No
143-05	10	44	53	54	41	53	53	70	60	No
143-05	11	44	54	54	41	54	54	70	60	No
143-05	12	45	54	54	42	54	54	70	60	No
143-05	13	45	54	55	42	54	54	70	60	No
143-05	14	45	54	55	42	54	54	70	60	No
143-05	15	46	54	55	43	54	55	70	60	No
143-05	16	47	54	55	45	54	55	70	60	No
143-05	17	48	54	55	46	54	55	70	60	No
143-05	18	50	54	55	48	54	55	70	60	No
143-05	19	51	54	56	49	54	55	70	60	No
143-05	20	52	54	56	50	54	55	70	60	No
143-06	1	49	44	50	41	44	46	70	60	No
143-06	2	51	44	52	41	44	46	70	60	No
143-06	3	52	44	53	41	44	46	70	60	No
143-06	4	52	44	53	41	44	46	70	60	No
143-06	5	52	44	53	41	44	46	70	60	No
143-06	6	52	44	53	42	44	46	70	60	No
143-06	7	52	44	53	42	44	46	70	60	No
143-06	8	52	44	53	42	44	46	70	60	No
143-06	9	52	44	53	42	44	46	70	60	No
143-06	10	52	44	53	42	44	46	70	60	No
143-06	11	52	44	53	43	44	46	70	60	No
143-06	12	53	44	53	43	44	46	70	60	No
143-06	13	53	44	53	43	44	47	70	60	No
143-06	14	53	44	53	44	44	47	70	60	No
143-06	15	53	44	53	45	44	47	70	60	No
143-06	16	53	44	54	46	44	48	70	60	No
143-06	17	54	44	54	48	44	49	70	60	No
143-06	18	54	44	55	49	44	50	70	60	No
143-06	19	55	44	55	50	44	51	70	60	No
143-06	20	55	44	56	50	44	51	70	60	No
146-01	1	50	Negligible[1]	50	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-01	2	53	Negligible[1]	53	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-01	3	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-01	4	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-01	5	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-01	6	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-01	7	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-01	8	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-01	9	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-01	10	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-01	11	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-01	12	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-01	13	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-01	14	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-01	15	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-01	16	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-01	17	53	Negligible[1]	53	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-01	18	53	Negligible[1]	53	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-01	19	53	Negligible[1]	53	40	Negligible[1]	40	70	60	No
146-01	20	53	Negligible[1]	53	40	Negligible[1]	40	70	60	No
146-01	21	53	Negligible[1]	53	40	Negligible[1]	40	70	60	No
146-02	1	50	Negligible[1]	50	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-02	2	53	Negligible[1]	53	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-02	3	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-02	4	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-02	5	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-02	6	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-02	7	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-02	8	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-02	9	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-02	10	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-02	11	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-02	12	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-02	13	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-02	14	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-02	15	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-02	16	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-02	17	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-02	18	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-02	19	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-02	20	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-02	21	53	Negligible[1]	53	40	Negligible[1]	40	70	60	No
146-03	1	50	Negligible[1]	50	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-03	2	53	Negligible[1]	53	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-03	3	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-03	4	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-03	5	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-03	6	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-03	7	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-03	8	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-03	9	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1C)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
146-03	10	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-03	11	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-03	12	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-03	13	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-03	14	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-03	15	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-03	16	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-03	17	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-03	18	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-03	19	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-03	20	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-03	21	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-04	1	54	Negligible[1]	54	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-04	2	55	Negligible[1]	55	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-04	3	55	Negligible[1]	55	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-04	4	55	Negligible[1]	55	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-04	5	55	Negligible[1]	55	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-04	6	55	Negligible[1]	55	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-04	7	55	Negligible[1]	55	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-04	8	55	Negligible[1]	55	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-04	9	55	Negligible[1]	55	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-04	10	55	Negligible[1]	55	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-04	11	55	Negligible[1]	55	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-04	12	55	Negligible[1]	55	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-04	13	55	Negligible[1]	55	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-04	14	55	Negligible[1]	55	40	Negligible[1]	40	70	60	No
146-04	15	55	Negligible[1]	55	40	Negligible[1]	40	70	60	No
146-04	16	55	Negligible[1]	55	41	Negligible[1]	41	70	60	No
146-04	17	55	Negligible[1]	55	41	Negligible[1]	41	70	60	No
146-04	18	55	Negligible[1]	55	42	Negligible[1]	42	70	60	No
146-04	19	55	Negligible[1]	55	42	Negligible[1]	42	70	60	No
146-04	20	55	Negligible[1]	55	43	Negligible[1]	43	70	60	No
146-04	21	55	Negligible[1]	55	44	Negligible[1]	44	70	60	No
147-01	1	41	50	51	Negligible[1]	50	50	70	60	No
147-01	2	41	50	51	Negligible[1]	50	50	70	60	No
147-01	3	41	51	51	Negligible[1]	51	51	70	60	No
147-01	4	41	52	52	Negligible[1]	52	52	70	60	No
147-01	5	42	52	52	Negligible[1]	52	52	70	60	No
147-01	6	42	52	52	Negligible[1]	52	52	70	60	No
147-01	7	42	52	53	Negligible[1]	52	52	70	60	No
147-01	8	42	52	53	Negligible[1]	52	52	70	60	No
147-01	9	42	52	53	Negligible[1]	52	52	70	60	No
147-01	10	42	53	53	Negligible[1]	53	53	70	60	No
147-01	11	42	53	53	Negligible[1]	53	53	70	60	No
147-01	12	43	53	53	40	53	53	70	60	No
147-01	13	43	53	53	40	53	53	70	60	No
147-01	14	43	53	54	40	53	53	70	60	No
147-01	15	43	53	54	40	53	54	70	60	No
147-01	16	43	54	54	41	54	54	70	60	No
147-01	17	43	54	54	41	54	54	70	60	No
147-01	18	43	54	54	41	54	54	70	60	No
147-01	19	43	54	54	41	54	54	70	60	No
147-01	20	43	54	55	41	54	54	70	60	No
147-01	21	43	54	55	41	54	55	70	60	No
147-03	1	41	50	50	Negligible[1]	50	50	70	60	No
147-03	2	41	50	50	Negligible[1]	50	50	70	60	No
147-03	3	41	50	50	Negligible[1]	50	50	70	60	No
147-03	4	41	50	50	Negligible[1]	50	50	70	60	No
147-03	5	42	51	51	Negligible[1]	51	51	70	60	No
147-03	6	42	51	52	Negligible[1]	51	51	70	60	No
147-03	7	42	52	52	Negligible[1]	52	52	70	60	No
147-03	8	42	52	52	Negligible[1]	52	52	70	60	No
147-03	9	42	52	52	Negligible[1]	52	52	70	60	No
147-03	10	42	52	52	Negligible[1]	52	52	70	60	No
147-03	11	43	52	52	40	52	52	70	60	No
147-03	12	43	52	52	40	52	52	70	60	No
147-03	13	43	52	52	40	52	52	70	60	No
147-03	14	43	52	53	40	52	52	70	60	No
147-03	15	43	52	53	41	52	53	70	60	No
147-03	16	43	52	53	41	52	53	70	60	No
147-03	17	43	53	53	41	53	53	70	60	No
147-03	18	43	53	53	41	53	53	70	60	No
147-03	19	43	53	53	41	53	53	70	60	No
147-03	20	43	53	53	41	53	53	70	60	No
147-03	21	43	53	54	41	53	53	70	60	No
147-04	1	41	47	48	Negligible[1]	47	47	70	60	No
147-04	2	41	47	48	Negligible[1]	47	47	70	60	No
147-04	3	41	47	48	Negligible[1]	47	47	70	60	No
147-04	4	42	47	48	Negligible[1]	47	47	70	60	No
147-04	5	42	48	49	Negligible[1]	48	48	70	60	No
147-04	6	42	49	50	Negligible[1]	49	49	70	60	No
147-04	7	42	50	50	Negligible[1]	50	50	70	60	No
147-04	8	42	50	50	Negligible[1]	50	50	70	60	No
147-04	9	42	50	50	Negligible[1]	50	50	70	60	No
147-04	10	43	49	50	40	49	50	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1C)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
147-04	11	43	49	50	40	49	50	70	60	No
147-04	12	43	49	50	40	49	50	70	60	No
147-04	13	43	49	50	41	49	50	70	60	No
147-04	14	43	49	50	41	49	50	70	60	No
147-04	15	43	49	50	41	49	50	70	60	No
147-04	16	43	49	50	41	49	50	70	60	No
147-04	17	43	49	50	41	49	50	70	60	No
147-04	18	43	49	50	41	49	50	70	60	No
147-04	19	43	49	50	41	49	50	70	60	No
147-04	20	43	49	50	41	49	50	70	60	No
147-04	21	43	49	50	41	49	50	70	60	No
147-05	1	41	49	50	Negligible[1]	49	49	70	60	No
147-05	2	41	50	50	Negligible[1]	50	50	70	60	No
147-05	3	41	50	50	Negligible[1]	50	50	70	60	No
147-05	4	42	49	50	Negligible[1]	49	49	70	60	No
147-05	5	42	49	50	Negligible[1]	49	49	70	60	No
147-05	6	42	50	50	Negligible[1]	50	50	70	60	No
147-05	7	42	50	51	Negligible[1]	50	50	70	60	No
147-05	8	42	51	51	Negligible[1]	51	51	70	60	No
147-05	9	42	51	52	Negligible[1]	51	51	70	60	No
147-05	10	43	52	52	40	52	52	70	60	No
147-05	11	43	52	52	40	52	52	70	60	No
147-05	12	43	52	52	40	52	52	70	60	No
147-05	13	43	52	52	41	52	52	70	60	No
147-05	14	43	52	52	41	52	52	70	60	No
147-05	15	43	52	52	41	52	52	70	60	No
147-05	16	43	52	52	41	52	52	70	60	No
147-05	17	44	52	52	41	52	52	70	60	No
147-05	18	44	52	53	42	52	52	70	60	No
147-05	19	44	52	53	42	52	52	70	60	No
147-05	20	45	52	53	42	52	53	70	60	No
147-05	21	45	52	53	43	52	53	70	60	No
147-06	1	56	40	56	Negligible[1]	40	40	70	60	No
147-06	2	56	40	56	Negligible[1]	40	40	70	60	No
147-06	3	56	Negligible[1]	56	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
147-06	4	56	Negligible[1]	56	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
147-06	5	56	Negligible[1]	56	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
147-06	6	56	Negligible[1]	56	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
147-06	7	56	Negligible[1]	56	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
147-06	8	56	Negligible[1]	56	40	Negligible[1]	40	70	60	No
147-06	9	56	Negligible[1]	56	40	Negligible[1]	40	70	60	No
147-06	10	56	Negligible[1]	56	41	Negligible[1]	41	70	60	No
147-06	11	56	Negligible[1]	56	41	Negligible[1]	41	70	60	No
147-06	12	56	Negligible[1]	56	41	Negligible[1]	41	70	60	No
147-06	13	56	Negligible[1]	56	41	Negligible[1]	41	70	60	No
147-06	14	56	Negligible[1]	56	42	Negligible[1]	42	70	60	No
147-06	15	56	Negligible[1]	56	42	Negligible[1]	42	70	60	No
147-06	16	56	Negligible[1]	56	42	Negligible[1]	42	70	60	No
147-06	17	56	Negligible[1]	56	42	Negligible[1]	42	70	60	No
147-06	18	56	Negligible[1]	56	43	Negligible[1]	43	70	60	No
147-06	19	56	Negligible[1]	56	43	Negligible[1]	43	70	60	No
147-06	20	56	Negligible[1]	56	44	Negligible[1]	44	70	60	No
147-06	21	56	Negligible[1]	56	44	Negligible[1]	44	70	60	No
149-01	1	59	Negligible[1]	59	48	Negligible[1]	48	70	60	No
149-01	2	59	Negligible[1]	59	48	Negligible[1]	48	70	60	No
149-01	3	59	Negligible[1]	59	48	Negligible[1]	48	70	60	No
149-01	4	59	Negligible[1]	59	48	Negligible[1]	48	70	60	No
149-01	5	58	Negligible[1]	58	48	Negligible[1]	48	70	60	No
149-01	6	58	Negligible[1]	58	48	Negligible[1]	48	70	60	No
149-01	7	58	Negligible[1]	58	48	Negligible[1]	48	70	60	No
149-01	8	58	Negligible[1]	58	48	Negligible[1]	48	70	60	No
149-01	9	58	Negligible[1]	58	48	Negligible[1]	48	70	60	No
149-01	10	58	Negligible[1]	58	47	Negligible[1]	47	70	60	No
149-01	11	58	Negligible[1]	58	47	Negligible[1]	47	70	60	No
149-01	12	58	Negligible[1]	58	47	Negligible[1]	47	70	60	No
149-01	13	58	Negligible[1]	58	47	Negligible[1]	47	70	60	No
149-01	14	58	Negligible[1]	58	47	Negligible[1]	47	70	60	No
149-01	15	58	Negligible[1]	58	47	Negligible[1]	47	70	60	No
149-01	16	58	Negligible[1]	58	47	Negligible[1]	47	70	60	No
149-01	17	57	Negligible[1]	57	47	Negligible[1]	47	70	60	No
149-01	18	57	Negligible[1]	57	47	Negligible[1]	47	70	60	No
149-01	19	57	Negligible[1]	57	47	Negligible[1]	47	70	60	No
149-01	20	57	Negligible[1]	57	47	Negligible[1]	47	70	60	No
149-01	21	57	Negligible[1]	57	47	Negligible[1]	47	70	60	No
149-02	1	59	Negligible[1]	59	49	Negligible[1]	49	70	60	No
149-02	2	59	Negligible[1]	59	51	Negligible[1]	51	70	60	No
149-02	3	60	Negligible[1]	60	52	Negligible[1]	52	70	60	No
149-02	4	60	Negligible[1]	60	53	Negligible[1]	53	70	60	No
149-02	5	60	Negligible[1]	60	54	Negligible[1]	54	70	60	No
149-02	6	60	Negligible[1]	60	54	Negligible[1]	54	70	60	No
149-02	7	61	Negligible[1]	61	55	Negligible[1]	55	70	60	No
149-02	8	61	Negligible[1]	61	55	Negligible[1]	55	70	60	No
149-02	9	61	Negligible[1]	61	55	Negligible[1]	55	70	60	No
149-02	10	60	Negligible[1]	60	55	Negligible[1]	55	70	60	No
149-02	11	60	Negligible[1]	60	55	Negligible[1]	55	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 1C)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A) (Day/Evening)	Noise Criteria, Leq (30min) dB(A) (Night-time)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
149-02	12	60	Negligible[1]	60	55	Negligible[1]	55	70	60	No
149-02	13	60	Negligible[1]	60	54	Negligible[1]	54	70	60	No
149-02	14	60	Negligible[1]	60	54	Negligible[1]	54	70	60	No
149-02	15	60	Negligible[1]	60	54	Negligible[1]	54	70	60	No
149-02	16	60	Negligible[1]	60	54	Negligible[1]	54	70	60	No
149-02	17	60	Negligible[1]	60	54	Negligible[1]	54	70	60	No
149-02	18	60	Negligible[1]	60	54	Negligible[1]	54	70	60	No
149-02	19	59	Negligible[1]	59	53	Negligible[1]	53	70	60	No
149-02	20	59	Negligible[1]	59	53	Negligible[1]	53	70	60	No
149-02	21	59	Negligible[1]	59	53	Negligible[1]	53	70	60	No
149-03	1	59	Negligible[1]	59	51	Negligible[1]	51	70	60	No
149-03	2	60	Negligible[1]	60	52	Negligible[1]	52	70	60	No
149-03	3	60	Negligible[1]	60	53	Negligible[1]	53	70	60	No
149-03	4	61	Negligible[1]	61	54	Negligible[1]	54	70	60	No
149-03	5	61	Negligible[1]	61	55	Negligible[1]	55	70	60	No
149-03	6	61	Negligible[1]	61	55	Negligible[1]	55	70	60	No
149-03	7	61	Negligible[1]	61	55	Negligible[1]	55	70	60	No
149-03	8	61	Negligible[1]	61	56	Negligible[1]	56	70	60	No
149-03	9	61	Negligible[1]	61	56	Negligible[1]	56	70	60	No
149-03	10	61	Negligible[1]	61	56	Negligible[1]	56	70	60	No
149-03	11	61	Negligible[1]	61	56	Negligible[1]	56	70	60	No
149-03	12	61	Negligible[1]	61	56	Negligible[1]	56	70	60	No
149-03	13	61	Negligible[1]	61	55	Negligible[1]	55	70	60	No
149-03	14	61	Negligible[1]	61	55	Negligible[1]	55	70	60	No
149-03	15	61	Negligible[1]	61	55	Negligible[1]	55	70	60	No
149-03	16	60	Negligible[1]	60	55	Negligible[1]	55	70	60	No
149-03	17	60	Negligible[1]	60	55	Negligible[1]	55	70	60	No
149-03	18	60	Negligible[1]	60	55	Negligible[1]	55	70	60	No
149-03	19	60	Negligible[1]	60	55	Negligible[1]	55	70	60	No
149-03	20	60	Negligible[1]	60	54	Negligible[1]	54	70	60	No
149-03	21	60	Negligible[1]	60	54	Negligible[1]	54	70	60	No
149-04	1	59	Negligible[1]	59	47	Negligible[1]	47	70	60	No
149-04	2	59	Negligible[1]	59	47	Negligible[1]	47	70	60	No
149-04	3	59	Negligible[1]	59	47	Negligible[1]	47	70	60	No
149-04	4	59	Negligible[1]	59	47	Negligible[1]	47	70	60	No
149-04	5	59	Negligible[1]	59	47	Negligible[1]	47	70	60	No
149-04	6	59	Negligible[1]	59	47	Negligible[1]	47	70	60	No
149-04	7	59	Negligible[1]	59	47	Negligible[1]	47	70	60	No
149-04	8	59	Negligible[1]	59	47	Negligible[1]	47	70	60	No
149-04	9	59	Negligible[1]	59	47	Negligible[1]	47	70	60	No
149-04	10	59	Negligible[1]	59	47	Negligible[1]	47	70	60	No
149-04	11	59	Negligible[1]	59	47	Negligible[1]	47	70	60	No
149-04	12	58	Negligible[1]	58	47	Negligible[1]	47	70	60	No
149-04	13	58	Negligible[1]	58	47	Negligible[1]	47	70	60	No
149-04	14	58	Negligible[1]	58	47	Negligible[1]	47	70	60	No
149-04	15	58	Negligible[1]	58	47	Negligible[1]	47	70	60	No
149-04	16	58	Negligible[1]	58	47	Negligible[1]	47	70	60	No
149-04	17	58	Negligible[1]	58	47	Negligible[1]	47	70	60	No
149-04	18	58	Negligible[1]	58	47	Negligible[1]	47	70	60	No
149-04	19	58	Negligible[1]	58	47	Negligible[1]	47	70	60	No
149-04	20	58	Negligible[1]	58	47	Negligible[1]	47	70	60	No
149-04	21	58	Negligible[1]	58	47	Negligible[1]	47	70	60	No
801-01	1	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No

Note:

[1] The rail noise level is predicted to be lower than 40 dB(A).

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 2)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
Existing NSR										
N01-01	-	Negligible[1]	69	69	Negligible[1]	69	69	-	-	No
Planned NSRs										
101-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-05	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 2)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A) (Day/Evening)	Noise Criteria, Leq (30min) dB(A) (Night-time)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
101-06	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
103-01	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	13	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
103-01	14	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
103-01	15	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
103-01	16	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
103-01	17	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
103-01	18	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
103-03	1	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	2	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	3	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	7	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	8	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	9	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	13	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-03	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-03	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-03	17	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-03	18	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
103-04	1	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	2	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	3	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
103-04	4	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	5	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	6	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	7	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	8	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	9	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	10	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	11	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	12	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	13	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	14	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
103-04	15	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
103-04	16	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
103-04	17	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
103-04	18	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
103-05	1	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
103-05	2	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
103-05	3	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	7	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	8	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	9	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	13	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	14	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	15	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	16	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	17	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	18	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-06	1	Negligible[1]	42	42	Negligible[1]	42	42	65	55	No
103-06	2	Negligible[1]	42	42	Negligible[1]	42	42	65	55	No
103-06	3	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
103-06	4	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
103-06	5	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
103-06	6	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
103-06	7	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
103-06	8	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
103-06	9	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
103-06	10	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
103-06	11	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
103-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 2)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A) (Day/Evening)	Noise Criteria, Leq (30min) dB(A) (Night-time)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
103-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
103-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
103-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
103-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
103-06	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
103-06	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 2)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total	(Day/Evening)	(Night-time)	
107-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-05	1	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
107-05	2	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
107-05	3	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
107-05	4	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
107-05	5	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
107-05	6	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
107-05	7	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
107-05	8	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
107-05	9	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
107-05	10	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
107-05	11	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
107-05	12	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
107-05	13	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
107-05	14	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
107-05	15	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
107-05	16	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
107-05	17	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
107-05	18	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
107-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 2)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
108-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	18	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
108-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	18	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
108-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-05	1	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
108-05	2	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
108-05	3	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
108-05	4	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
108-05	5	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
108-05	6	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
108-05	7	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
108-05	8	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
108-05	9	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
108-05	10	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
108-05	11	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
108-05	12	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
108-05	13	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
108-05	14	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
108-05	15	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
108-05	16	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
108-05	17	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
108-05	18	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
108-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 2)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
108-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-01	1	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-01	2	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-01	3	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-01	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-01	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-01	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-01	7	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-01	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
110-01	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
110-01	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
110-01	11	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
110-01	12	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
110-01	13	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
110-01	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
110-01	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
110-01	16	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
110-01	17	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
110-01	18	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
110-03	1	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
110-03	2	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
110-03	3	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
110-03	4	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
110-03	5	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
110-03	6	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
110-03	7	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
110-03	8	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
110-03	9	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
110-03	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-03	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-03	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-03	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
110-03	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
110-03	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
110-03	16	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
110-03	17	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
110-03	18	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
110-04	1	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
110-04	2	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
110-04	3	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
110-04	4	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
110-04	5	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
110-04	6	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
110-04	7	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
110-04	8	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
110-04	9	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
110-04	10	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
110-04	11	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
110-04	12	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
110-04	13	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
110-04	14	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
110-04	15	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
110-04	16	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
110-04	17	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
110-04	18	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
110-05	1	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
110-05	2	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-05	3	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-05	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-05	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-05	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-05	7	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-05	8	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-05	9	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-05	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-05	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-05	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-05	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
110-05	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
110-05	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
110-05	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
110-05	17	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
110-05	18	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
110-06	1	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
110-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 2)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
110-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-01	1	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 2)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A) (Day/Evening)	Noise Criteria, Leq (30min) dB(A) (Night-time)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
113-01	2	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-01	3	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-01	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-01	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-01	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-01	7	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-01	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
113-01	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
113-01	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
113-01	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
113-01	12	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
113-01	13	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
113-01	14	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
113-01	15	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
113-01	16	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
113-01	17	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
113-01	18	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
113-01	19	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
113-03	1	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-03	2	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-03	3	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
113-03	4	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
113-03	5	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
113-03	6	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
113-03	7	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
113-03	8	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-03	9	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-03	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-03	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-03	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
113-03	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
113-03	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
113-03	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
113-03	16	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
113-03	17	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
113-03	18	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
113-03	19	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
113-04	1	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	2	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	3	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	4	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	5	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	6	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	7	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
113-04	8	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	9	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	10	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	11	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	12	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	13	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	14	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	15	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	16	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	17	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	18	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	19	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
113-05	1	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
113-05	2	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-05	3	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-05	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-05	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-05	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-05	7	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-05	8	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-05	9	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-05	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-05	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-05	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-05	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
113-05	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
113-05	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
113-05	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
113-05	17	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
113-05	18	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
113-05	19	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
113-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 2)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
113-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 2)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total	(Day/Evening)	(Night-time)	
116-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 2)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total	(Day/Evening)	(Night-time)	
117-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 2)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total	(Day/Evening)	(Night-time)	
118-01	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 2)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
119-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-01	1	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	2	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	3	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	4	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	5	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	6	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-01	7	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	8	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	9	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	10	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	11	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	12	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	13	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
122-01	14	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
122-01	15	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
122-01	16	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
122-03	1	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-03	2	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-03	3	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-03	4	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-03	5	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-03	6	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-03	7	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	8	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	9	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	10	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	11	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	12	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	13	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	14	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	15	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	16	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 2)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total	(Day/Evening)	(Night-time)	
122-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-05	1	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-05	2	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-05	3	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-05	4	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-05	5	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-05	6	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-05	7	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-05	8	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-05	9	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-05	10	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-05	11	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-05	12	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-05	13	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-05	14	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-05	15	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-05	16	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-01	1	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-01	2	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
123-01	3	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
123-01	4	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
123-01	5	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
123-01	6	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
123-01	7	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
123-01	8	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
123-01	9	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
123-01	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
123-01	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
123-01	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
123-01	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
123-01	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
123-01	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
123-01	16	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
123-03	1	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
123-03	2	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
123-03	3	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
123-03	4	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
123-03	5	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
123-03	6	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
123-03	7	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
123-03	8	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-03	9	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-03	10	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-03	11	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-03	12	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-03	13	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-03	14	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-03	15	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-03	16	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 2)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A) (Day/Evening)	Noise Criteria, Leq (30min) dB(A) (Night-time)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
123-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-05	1	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	2	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	3	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	4	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	5	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
123-05	6	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
123-05	7	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	8	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	9	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	10	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	11	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	12	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	13	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	14	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	15	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	16	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
123-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-01	9	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
125-01	10	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
125-01	11	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
125-01	12	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
125-01	13	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
125-01	14	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
125-01	15	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
125-01	16	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
125-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-03	9	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
125-03	10	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
125-03	11	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
125-03	12	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
125-03	13	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
125-03	14	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
125-03	15	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
125-03	16	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
125-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 2)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
125-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-05	1	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
125-05	2	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
125-05	3	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
125-05	4	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
125-05	5	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
125-05	6	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
125-05	7	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
125-05	8	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
125-05	9	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
125-05	10	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
125-05	11	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
125-05	12	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
125-05	13	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
125-05	14	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
125-05	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
125-05	16	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
125-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-01	8	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
126-01	9	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
126-01	10	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
126-01	11	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
126-01	12	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
126-01	13	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
126-01	14	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
126-01	15	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
126-01	16	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
126-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	14	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
126-03	15	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
126-03	16	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
126-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 2)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A) (Day/Evening)	Noise Criteria, Leq (30min) dB(A) (Night-time)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
126-05	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-05	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 2)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
129-05	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-01	5	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
130-01	6	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
130-01	7	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-01	8	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
130-01	9	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
130-01	10	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
130-01	11	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
130-01	12	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
130-01	13	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
130-01	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
130-01	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
130-01	16	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
130-01	17	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
130-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	10	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
130-03	11	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
130-03	12	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-03	13	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
130-03	14	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
130-03	15	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
130-03	16	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
130-03	17	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
130-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-05	1	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	2	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	3	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	4	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	5	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	6	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	7	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	8	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	9	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	10	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
130-05	11	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 2)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
130-05	12	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
130-05	13	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
130-05	14	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
130-05	15	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
130-05	16	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
130-05	17	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
130-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-01	1	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
132-01	2	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
132-01	3	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-01	4	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-01	5	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-01	6	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-01	7	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-01	8	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	9	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	10	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	11	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	12	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	13	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	14	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	15	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	16	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	17	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-03	1	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-03	2	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-03	3	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-03	4	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-03	5	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-03	6	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-03	7	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-03	8	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-03	9	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-03	10	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-03	11	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
132-03	12	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
132-03	13	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
132-03	14	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
132-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
132-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
132-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
132-04	1	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
132-04	2	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
132-04	3	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
132-04	4	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
132-04	5	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
132-04	6	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
132-04	7	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
132-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-05	1	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
132-05	2	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
132-05	3	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
132-05	4	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
132-05	5	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
132-05	6	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
132-05	7	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-05	8	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-05	9	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-05	10	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-05	11	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 2)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
132-05	12	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-05	13	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-05	14	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-05	15	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-05	16	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-05	17	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-01	1	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
133-01	2	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
133-01	3	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
133-01	4	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
133-01	5	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-01	6	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-01	7	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-01	11	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-01	12	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-01	13	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-01	14	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-01	15	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
133-01	16	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
133-01	17	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
133-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-05	1	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-05	2	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-05	3	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-05	4	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
133-05	5	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-05	6	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-05	7	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-05	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-05	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-05	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-05	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 2)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total	(Day/Evening)	(Night-time)	
133-05	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-05	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-05	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-05	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-05	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-05	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-05	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 2)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total	(Day/Evening)	(Night-time)	
135-05	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 2)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total	(Day/Evening)	(Night-time)	
136-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 2)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total	(Day/Evening)	(Night-time)	
139-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 2)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
140-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
142-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-01	2	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
142-01	3	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
142-01	4	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
142-01	5	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
142-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-01	12	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
142-01	13	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
142-01	14	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
142-01	15	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
142-01	16	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
142-01	17	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
142-01	18	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
142-01	19	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
142-01	20	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
142-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	17	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
142-03	18	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
142-03	19	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
142-03	20	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
142-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-05	1	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
142-05	2	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
142-05	3	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
142-05	4	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
142-05	5	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
142-05	6	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
142-05	7	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
142-05	8	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
142-05	9	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
142-05	10	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
142-05	11	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
142-05	12	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
142-05	13	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
142-05	14	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
142-05	15	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
142-05	16	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
142-05	17	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
142-05	18	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
142-05	19	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
142-05	20	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
142-06	1	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 2)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
142-06	2	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
142-06	3	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
142-06	4	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
142-06	5	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
142-06	6	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
142-06	7	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
142-06	8	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
142-06	9	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
142-06	10	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
142-06	11	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
142-06	12	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
142-06	13	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
142-06	14	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
142-06	15	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
142-06	16	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
142-06	17	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
142-06	18	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
142-06	19	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
142-06	20	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
143-01	1	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
143-01	2	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
143-01	3	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
143-01	4	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
143-01	5	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
143-01	6	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-01	7	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-01	8	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-01	9	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-01	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
143-01	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
143-01	12	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-01	13	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-01	14	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-01	15	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-01	16	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-01	17	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-01	18	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-01	19	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-01	20	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-03	1	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
143-03	2	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
143-03	3	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
143-03	4	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
143-03	5	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
143-03	6	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-03	7	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-03	8	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-03	9	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-03	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
143-03	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
143-03	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
143-03	13	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
143-03	14	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
143-03	15	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-03	16	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-03	17	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-03	18	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-03	19	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-03	20	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
143-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
143-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
143-04	4	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
143-04	5	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
143-04	6	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
143-04	7	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
143-04	8	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
143-04	9	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
143-04	10	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
143-04	11	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
143-04	12	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
143-04	13	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
143-04	14	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
143-04	15	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
143-04	16	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
143-04	17	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
143-04	18	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
143-04	19	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
143-04	20	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
143-05	1	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
143-05	2	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
143-05	3	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
143-05	4	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
143-05	5	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-05	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 2)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
143-05	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
143-05	8	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
143-05	9	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
143-05	10	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
143-05	11	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
143-05	12	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
143-05	13	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
143-05	14	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
143-05	15	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
143-05	16	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
143-05	17	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
143-05	18	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
143-05	19	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
143-05	20	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
143-06	1	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
143-06	2	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
143-06	3	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
143-06	4	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
143-06	5	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
143-06	6	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
143-06	7	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
143-06	8	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
143-06	9	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
143-06	10	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
143-06	11	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
143-06	12	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
143-06	13	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
143-06	14	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
143-06	15	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
143-06	16	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
143-06	17	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
143-06	18	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
143-06	19	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
143-06	20	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
146-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-01	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-01	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-01	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-02	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-02	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-02	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-02	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-02	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-02	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-02	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-02	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-02	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-02	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-02	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-02	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-02	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-02	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-02	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-02	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-02	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-02	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-02	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-02	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-02	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 2)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A) (Day/Evening)	Noise Criteria, Leq (30min) dB(A) (Night-time)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
146-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-03	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-03	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-03	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-04	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-04	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
146-04	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
147-01	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
147-01	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
147-01	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
147-01	4	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-01	5	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-01	6	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-01	7	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-01	8	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-01	9	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-01	10	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
147-01	11	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
147-01	12	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
147-01	13	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
147-01	14	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
147-01	15	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
147-01	16	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
147-01	17	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
147-01	18	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
147-01	19	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
147-01	20	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
147-01	21	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
147-03	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
147-03	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
147-03	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
147-03	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
147-03	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
147-03	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
147-03	7	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-03	8	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-03	9	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-03	10	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-03	11	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-03	12	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-03	13	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-03	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-03	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-03	16	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-03	17	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
147-03	18	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
147-03	19	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
147-03	20	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
147-03	21	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
147-04	1	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
147-04	2	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
147-04	3	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
147-04	4	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
147-04	5	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
147-04	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-04	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
147-04	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
147-04	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
147-04	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 2)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
147-04	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-04	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-04	13	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-04	14	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-04	15	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-04	16	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-04	17	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-04	18	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-04	19	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-04	20	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-04	21	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-05	1	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-05	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
147-05	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
147-05	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-05	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-05	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
147-05	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
147-05	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
147-05	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
147-05	10	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-05	11	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-05	12	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-05	13	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-05	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-05	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-05	16	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-05	17	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-05	18	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-05	19	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-05	20	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-05	21	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-06	1	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
147-06	2	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
147-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
147-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
147-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
147-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
147-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
147-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
147-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
147-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
147-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
147-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
147-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
147-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
147-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
147-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
147-06	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
147-06	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
147-06	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
147-06	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
147-06	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-01	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-01	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-01	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-02	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-02	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-02	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-02	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-02	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-02	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-02	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-02	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-02	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-02	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-02	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 2)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A) (Day/Evening)	Noise Criteria, Leq (30min) dB(A) (Night-time)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
149-02	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-02	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-02	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-02	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-02	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-02	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-02	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-02	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-02	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-02	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-03	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-03	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-03	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-04	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-04	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
149-04	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
201-01	1	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	2	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	3	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	4	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	5	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	6	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	7	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	8	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	9	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	10	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	11	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	12	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	13	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	14	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	15	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	16	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-02	1	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
201-02	2	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
201-02	3	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
201-02	4	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
201-02	5	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
201-02	6	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
201-02	7	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
201-02	8	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
201-02	9	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
201-02	10	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
201-02	11	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
201-02	12	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
201-02	13	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
201-02	14	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
201-02	15	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
201-02	16	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
201-03	1	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 2)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
201-03	2	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-03	3	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-03	4	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-03	5	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-03	6	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-03	7	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-03	8	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-03	9	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-03	10	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-03	11	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-03	12	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-03	13	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-03	14	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-03	15	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-03	16	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
206-01	1	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
206-01	2	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
206-01	3	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
206-01	4	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
206-01	5	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
206-01	6	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
206-01	7	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
206-01	8	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
206-01	9	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
206-01	10	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
206-01	11	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
206-01	12	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
206-01	13	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
206-01	14	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
206-01	15	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
206-01	16	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
207-01	1	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
207-01	2	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
207-01	3	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
207-01	4	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
207-01	5	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
207-01	6	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
207-01	7	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
207-01	8	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
207-01	9	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
207-01	10	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
207-01	11	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
207-01	12	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
207-01	13	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
207-01	14	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
207-01	15	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
207-01	16	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
207-01	17	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
211-01	1	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
211-01	2	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
211-01	3	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
211-01	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
211-01	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
211-01	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
211-01	7	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
211-01	8	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
211-01	9	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
211-01	10	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
211-01	11	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
211-01	12	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
211-01	13	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
211-01	14	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
211-01	15	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
211-01	16	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
211-01	17	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
212-01	1	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
212-01	2	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
212-01	3	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
212-01	4	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
212-01	5	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
212-01	6	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
212-01	7	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
212-01	8	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
212-01	9	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
212-01	10	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
212-01	11	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
212-01	12	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
212-01	13	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
212-01	14	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
212-01	15	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
212-01	16	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
212-01	17	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
212-02	1	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
212-02	2	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
212-02	3	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 2)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
212-02	4	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
212-02	5	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
212-02	6	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
212-02	7	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
212-02	8	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
212-02	9	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
212-02	10	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
212-02	11	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
212-02	12	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
212-02	13	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
212-02	14	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
212-02	15	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
212-02	16	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
212-02	17	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-01	1	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-01	2	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-01	3	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-01	4	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-01	5	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-01	6	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-01	7	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-01	8	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-01	9	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-01	10	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-01	11	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-01	12	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-01	13	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-01	14	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-01	15	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-01	16	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-01	17	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-01	18	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	1	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	2	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	3	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	4	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	5	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	6	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	7	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	8	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	9	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	10	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	11	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	12	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	13	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	14	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	15	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	16	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	17	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	18	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	1	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	2	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	3	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	4	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	5	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	6	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	7	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	8	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	9	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	10	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	11	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	12	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	13	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	14	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	15	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	16	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	17	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	18	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	1	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	2	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	3	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	4	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	5	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	6	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	7	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	8	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	9	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	10	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	11	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	12	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	13	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	14	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	15	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	16	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	17	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 2)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A) (Day/Evening)	Noise Criteria, Leq (30min) dB(A) (Night-time)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
215-04	18	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
501-01	1	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
501-01	2	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
501-01	3	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
501-01	4	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
501-01	5	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
501-01	6	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
501-01	7	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
501-02	1	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
501-02	2	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
501-02	3	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
501-02	4	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
501-02	5	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
501-02	6	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
501-02	7	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
501-03	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
501-03	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
501-03	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
501-03	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
501-03	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
501-03	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
501-03	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
501-04	1	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
501-04	2	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
501-04	3	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
501-04	4	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
501-04	5	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
501-04	6	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
501-04	7	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
501-05	1	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
501-05	2	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
501-05	3	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
501-05	4	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
501-05	5	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
501-05	6	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
501-05	7	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
801-01	1	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
802-01	1	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
802-02	1	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No

Note:

[1] The rail noise level is predicted to be lower than 40 dB(A).

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 3)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
Existing NSR										
N01-01	-	Negligible[1]	69	69	Negligible[1]	69	69	-	-	No
Planned NSRs										
101-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-05	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 3)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A) (Day/Evening)	Noise Criteria, Leq (30min) dB(A) (Night-time)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
101-06	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
103-01	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	13	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
103-01	14	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
103-01	15	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
103-01	16	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
103-01	17	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
103-01	18	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
103-03	1	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	2	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	3	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	7	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	8	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	9	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	13	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-03	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-03	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-03	17	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-03	18	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
103-04	1	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	2	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	3	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
103-04	4	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	5	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	6	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	7	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	8	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	9	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	10	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	11	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	12	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	13	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	14	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
103-04	15	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
103-04	16	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
103-04	17	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
103-04	18	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
103-05	1	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
103-05	2	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
103-05	3	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	7	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	8	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	9	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	13	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	14	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	15	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	16	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	17	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	18	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-06	1	Negligible[1]	42	42	Negligible[1]	42	42	65	55	No
103-06	2	Negligible[1]	42	42	Negligible[1]	42	42	65	55	No
103-06	3	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
103-06	4	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
103-06	5	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
103-06	6	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
103-06	7	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
103-06	8	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
103-06	9	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
103-06	10	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
103-06	11	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
103-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 3)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total	(Day/Evening)	(Night-time)	
103-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
103-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
103-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
103-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
103-06	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
103-06	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 3)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total	(Day/Evening)	(Night-time)	
107-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-05	1	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
107-05	2	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
107-05	3	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
107-05	4	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
107-05	5	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
107-05	6	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
107-05	7	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
107-05	8	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
107-05	9	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
107-05	10	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
107-05	11	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
107-05	12	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
107-05	13	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
107-05	14	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
107-05	15	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
107-05	16	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
107-05	17	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
107-05	18	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
107-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 3)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A) (Day/Evening)	Noise Criteria, Leq (30min) dB(A) (Night-time)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
108-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	18	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
108-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	18	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
108-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-05	1	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
108-05	2	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
108-05	3	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
108-05	4	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
108-05	5	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
108-05	6	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
108-05	7	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
108-05	8	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
108-05	9	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
108-05	10	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
108-05	11	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
108-05	12	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
108-05	13	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
108-05	14	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
108-05	15	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
108-05	16	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
108-05	17	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
108-05	18	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
108-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 3)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
108-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-01	1	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-01	2	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-01	3	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-01	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-01	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-01	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-01	7	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-01	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
110-01	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
110-01	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
110-01	11	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
110-01	12	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
110-01	13	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
110-01	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
110-01	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
110-01	16	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
110-01	17	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
110-01	18	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
110-03	1	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
110-03	2	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
110-03	3	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
110-03	4	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
110-03	5	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
110-03	6	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
110-03	7	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
110-03	8	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
110-03	9	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
110-03	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-03	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-03	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-03	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
110-03	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
110-03	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
110-03	16	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
110-03	17	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
110-03	18	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
110-04	1	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
110-04	2	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
110-04	3	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
110-04	4	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
110-04	5	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
110-04	6	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
110-04	7	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
110-04	8	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
110-04	9	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
110-04	10	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
110-04	11	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
110-04	12	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
110-04	13	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
110-04	14	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
110-04	15	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
110-04	16	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
110-04	17	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
110-04	18	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
110-05	1	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
110-05	2	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-05	3	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-05	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-05	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-05	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-05	7	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-05	8	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-05	9	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-05	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-05	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-05	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-05	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
110-05	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
110-05	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
110-05	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
110-05	17	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
110-05	18	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
110-06	1	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
110-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 3)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
110-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-01	1	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 3)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
113-01	2	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-01	3	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-01	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-01	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-01	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-01	7	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-01	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
113-01	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
113-01	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
113-01	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
113-01	12	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
113-01	13	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
113-01	14	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
113-01	15	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
113-01	16	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
113-01	17	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
113-01	18	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
113-01	19	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
113-03	1	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-03	2	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-03	3	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
113-03	4	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
113-03	5	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
113-03	6	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
113-03	7	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
113-03	8	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-03	9	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-03	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-03	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-03	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
113-03	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
113-03	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
113-03	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
113-03	16	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
113-03	17	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
113-03	18	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
113-03	19	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
113-04	1	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	2	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	3	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	4	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	5	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	6	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	7	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
113-04	8	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	9	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	10	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	11	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	12	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	13	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	14	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	15	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	16	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	17	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	18	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	19	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
113-05	1	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
113-05	2	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-05	3	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-05	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-05	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-05	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-05	7	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-05	8	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-05	9	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-05	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-05	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-05	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-05	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
113-05	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
113-05	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
113-05	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
113-05	17	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
113-05	18	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
113-05	19	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
113-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 3)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total	(Day/Evening)	(Night-time)	
113-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 3)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A) (Day/Evening)	Noise Criteria, Leq (30min) dB(A) (Night-time)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
116-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 3)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total	(Day/Evening)	(Night-time)	
117-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 3)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total	(Day/Evening)	(Night-time)	
118-01	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 3)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
119-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-01	1	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	2	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	3	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	4	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	5	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	6	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-01	7	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	8	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	9	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	10	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	11	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	12	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	13	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
122-01	14	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
122-01	15	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
122-01	16	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
122-03	1	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-03	2	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-03	3	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-03	4	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-03	5	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-03	6	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-03	7	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	8	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	9	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	10	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	11	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	12	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	13	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	14	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	15	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	16	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 3)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total	(Day/Evening)	(Night-time)	
122-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-05	1	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-05	2	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-05	3	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-05	4	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-05	5	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-05	6	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-05	7	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-05	8	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-05	9	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-05	10	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-05	11	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-05	12	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-05	13	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-05	14	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-05	15	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-05	16	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-01	1	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-01	2	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
123-01	3	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
123-01	4	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
123-01	5	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
123-01	6	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
123-01	7	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
123-01	8	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
123-01	9	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
123-01	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
123-01	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
123-01	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
123-01	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
123-01	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
123-01	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
123-01	16	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
123-03	1	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
123-03	2	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
123-03	3	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
123-03	4	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
123-03	5	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
123-03	6	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
123-03	7	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
123-03	8	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-03	9	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-03	10	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-03	11	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-03	12	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-03	13	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-03	14	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-03	15	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-03	16	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 3)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A) (Day/Evening)	Noise Criteria, Leq (30min) dB(A) (Night-time)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
123-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-05	1	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	2	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	3	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	4	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	5	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
123-05	6	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
123-05	7	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	8	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	9	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	10	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	11	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	12	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	13	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	14	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	15	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	16	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
123-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-01	9	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
125-01	10	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
125-01	11	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
125-01	12	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
125-01	13	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
125-01	14	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
125-01	15	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
125-01	16	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
125-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-03	9	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
125-03	10	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
125-03	11	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
125-03	12	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
125-03	13	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
125-03	14	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
125-03	15	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
125-03	16	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
125-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 3)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
125-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-05	1	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
125-05	2	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
125-05	3	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
125-05	4	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
125-05	5	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
125-05	6	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
125-05	7	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
125-05	8	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
125-05	9	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
125-05	10	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
125-05	11	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
125-05	12	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
125-05	13	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
125-05	14	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
125-05	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
125-05	16	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
125-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-01	8	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
126-01	9	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
126-01	10	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
126-01	11	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
126-01	12	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
126-01	13	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
126-01	14	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
126-01	15	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
126-01	16	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
126-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	14	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
126-03	15	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
126-03	16	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
126-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 3)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
126-05	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-05	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 3)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
129-05	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-01	5	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
130-01	6	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
130-01	7	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-01	8	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
130-01	9	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
130-01	10	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
130-01	11	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
130-01	12	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
130-01	13	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
130-01	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
130-01	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
130-01	16	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
130-01	17	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
130-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	10	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
130-03	11	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
130-03	12	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-03	13	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
130-03	14	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
130-03	15	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
130-03	16	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
130-03	17	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
130-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-05	1	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	2	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	3	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	4	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	5	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	6	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	7	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	8	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	9	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	10	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
130-05	11	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 3)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
130-05	12	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
130-05	13	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
130-05	14	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
130-05	15	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
130-05	16	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
130-05	17	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
130-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-01	1	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
132-01	2	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
132-01	3	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-01	4	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-01	5	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-01	6	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-01	7	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-01	8	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	9	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	10	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	11	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	12	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	13	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	14	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	15	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	16	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	17	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-03	1	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-03	2	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-03	3	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-03	4	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-03	5	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-03	6	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-03	7	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-03	8	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-03	9	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-03	10	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-03	11	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
132-03	12	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
132-03	13	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
132-03	14	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
132-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
132-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
132-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
132-04	1	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
132-04	2	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
132-04	3	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
132-04	4	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
132-04	5	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
132-04	6	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
132-04	7	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
132-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-05	1	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
132-05	2	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
132-05	3	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
132-05	4	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
132-05	5	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
132-05	6	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
132-05	7	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-05	8	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-05	9	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-05	10	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-05	11	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 3)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total	(Day/Evening)	(Night-time)	
132-05	12	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-05	13	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-05	14	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-05	15	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-05	16	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-05	17	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-01	1	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
133-01	2	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
133-01	3	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
133-01	4	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
133-01	5	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-01	6	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-01	7	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-01	11	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-01	12	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-01	13	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-01	14	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-01	15	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
133-01	16	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
133-01	17	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
133-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-05	1	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-05	2	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-05	3	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-05	4	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
133-05	5	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-05	6	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-05	7	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-05	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-05	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-05	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-05	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 3)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total	(Day/Evening)	(Night-time)	
133-05	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-05	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-05	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-05	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-05	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-05	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-05	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 3)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total	(Day/Evening)	(Night-time)	
135-05	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 3)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total	(Day/Evening)	(Night-time)	
136-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 3)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total	(Day/Evening)	(Night-time)	
139-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 3)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
140-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
142-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-01	2	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
142-01	3	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
142-01	4	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
142-01	5	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
142-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-01	12	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
142-01	13	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
142-01	14	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
142-01	15	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
142-01	16	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
142-01	17	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
142-01	18	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
142-01	19	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
142-01	20	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
142-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	17	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
142-03	18	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
142-03	19	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
142-03	20	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
142-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-05	1	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
142-05	2	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
142-05	3	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
142-05	4	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
142-05	5	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
142-05	6	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
142-05	7	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
142-05	8	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
142-05	9	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
142-05	10	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
142-05	11	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
142-05	12	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
142-05	13	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
142-05	14	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
142-05	15	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
142-05	16	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
142-05	17	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
142-05	18	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
142-05	19	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
142-05	20	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
142-06	1	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 3)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A) (Day/Evening)	Noise Criteria, Leq (30min) dB(A) (Night-time)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
142-06	2	Negligible[1]	42	42	Negligible[1]	42	42	65	55	No
142-06	3	Negligible[1]	43	43	Negligible[1]	43	43	65	55	No
142-06	4	Negligible[1]	43	43	Negligible[1]	43	43	65	55	No
142-06	5	Negligible[1]	43	43	Negligible[1]	43	43	65	55	No
142-06	6	Negligible[1]	43	43	Negligible[1]	43	43	65	55	No
142-06	7	Negligible[1]	43	43	Negligible[1]	43	43	65	55	No
142-06	8	Negligible[1]	43	43	Negligible[1]	43	43	65	55	No
142-06	9	Negligible[1]	43	43	Negligible[1]	43	43	65	55	No
142-06	10	Negligible[1]	43	43	Negligible[1]	43	43	65	55	No
142-06	11	Negligible[1]	43	43	Negligible[1]	43	43	65	55	No
142-06	12	Negligible[1]	43	43	Negligible[1]	43	43	65	55	No
142-06	13	Negligible[1]	43	43	Negligible[1]	43	43	65	55	No
142-06	14	Negligible[1]	43	43	Negligible[1]	43	43	65	55	No
142-06	15	Negligible[1]	43	43	Negligible[1]	43	43	65	55	No
142-06	16	Negligible[1]	43	43	Negligible[1]	43	43	65	55	No
142-06	17	Negligible[1]	43	43	Negligible[1]	43	43	65	55	No
142-06	18	Negligible[1]	43	43	Negligible[1]	43	43	65	55	No
142-06	19	Negligible[1]	43	43	Negligible[1]	43	43	65	55	No
142-06	20	Negligible[1]	43	43	Negligible[1]	43	43	65	55	No
143-01	1	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
143-01	2	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
143-01	3	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
143-01	4	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
143-01	5	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
143-01	6	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-01	7	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-01	8	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-01	9	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-01	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
143-01	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
143-01	12	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-01	13	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-01	14	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-01	15	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-01	16	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-01	17	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-01	18	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-01	19	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-01	20	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-03	1	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
143-03	2	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
143-03	3	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
143-03	4	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
143-03	5	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
143-03	6	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-03	7	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-03	8	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-03	9	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-03	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
143-03	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
143-03	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
143-03	13	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
143-03	14	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
143-03	15	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-03	16	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-03	17	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-03	18	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-03	19	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-03	20	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
143-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
143-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
143-04	4	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
143-04	5	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
143-04	6	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
143-04	7	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
143-04	8	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
143-04	9	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
143-04	10	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
143-04	11	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
143-04	12	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
143-04	13	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
143-04	14	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
143-04	15	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
143-04	16	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
143-04	17	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
143-04	18	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
143-04	19	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
143-04	20	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
143-05	1	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
143-05	2	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
143-05	3	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
143-05	4	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
143-05	5	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-05	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 3)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
143-05	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
143-05	8	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
143-05	9	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
143-05	10	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
143-05	11	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
143-05	12	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
143-05	13	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
143-05	14	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
143-05	15	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
143-05	16	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
143-05	17	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
143-05	18	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
143-05	19	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
143-05	20	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
143-06	1	Negligible[1]	44	44	Negligible[1]	44	44	65	55	No
143-06	2	Negligible[1]	44	44	Negligible[1]	44	44	65	55	No
143-06	3	Negligible[1]	44	44	Negligible[1]	44	44	65	55	No
143-06	4	Negligible[1]	44	44	Negligible[1]	44	44	65	55	No
143-06	5	Negligible[1]	44	44	Negligible[1]	44	44	65	55	No
143-06	6	Negligible[1]	44	44	Negligible[1]	44	44	65	55	No
143-06	7	Negligible[1]	44	44	Negligible[1]	44	44	65	55	No
143-06	8	Negligible[1]	44	44	Negligible[1]	44	44	65	55	No
143-06	9	Negligible[1]	44	44	Negligible[1]	44	44	65	55	No
143-06	10	Negligible[1]	44	44	Negligible[1]	44	44	65	55	No
143-06	11	Negligible[1]	44	44	Negligible[1]	44	44	65	55	No
143-06	12	Negligible[1]	44	44	Negligible[1]	44	44	65	55	No
143-06	13	Negligible[1]	44	44	Negligible[1]	44	44	65	55	No
143-06	14	Negligible[1]	44	44	Negligible[1]	44	44	65	55	No
143-06	15	Negligible[1]	44	44	Negligible[1]	44	44	65	55	No
143-06	16	Negligible[1]	44	44	Negligible[1]	44	44	65	55	No
143-06	17	Negligible[1]	44	44	Negligible[1]	44	44	65	55	No
143-06	18	Negligible[1]	44	44	Negligible[1]	44	44	65	55	No
143-06	19	Negligible[1]	44	44	Negligible[1]	44	44	65	55	No
143-06	20	Negligible[1]	44	44	Negligible[1]	44	44	65	55	No
146-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-01	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-01	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-01	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-02	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-02	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-02	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-02	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-02	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-02	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-02	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-02	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-02	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-02	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-02	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-02	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-02	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-02	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-02	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-02	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-02	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-02	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-02	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-02	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-02	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 3)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total	(Day/Evening)	(Night-time)	
146-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-03	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-03	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-03	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-04	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-04	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-04	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
147-01	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
147-01	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
147-01	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
147-01	4	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-01	5	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-01	6	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-01	7	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-01	8	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-01	9	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-01	10	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
147-01	11	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
147-01	12	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
147-01	13	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
147-01	14	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
147-01	15	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
147-01	16	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
147-01	17	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
147-01	18	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
147-01	19	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
147-01	20	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
147-01	21	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
147-03	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
147-03	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
147-03	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
147-03	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
147-03	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
147-03	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
147-03	7	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-03	8	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-03	9	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-03	10	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-03	11	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-03	12	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-03	13	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-03	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-03	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-03	16	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-03	17	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
147-03	18	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
147-03	19	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
147-03	20	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
147-03	21	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
147-04	1	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
147-04	2	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
147-04	3	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
147-04	4	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
147-04	5	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
147-04	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-04	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
147-04	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
147-04	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
147-04	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 3)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
147-04	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-04	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-04	13	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-04	14	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-04	15	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-04	16	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-04	17	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-04	18	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-04	19	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-04	20	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-04	21	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-05	1	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-05	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
147-05	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
147-05	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-05	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-05	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
147-05	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
147-05	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
147-05	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
147-05	10	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-05	11	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-05	12	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-05	13	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-05	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-05	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-05	16	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-05	17	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-05	18	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-05	19	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-05	20	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-05	21	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-06	1	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
147-06	2	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
147-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
147-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
147-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
147-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
147-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
147-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
147-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
147-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
147-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
147-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
147-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
147-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
147-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
147-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
147-06	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
147-06	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
147-06	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
147-06	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
147-06	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-01	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-01	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-01	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-02	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-02	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-02	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-02	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-02	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-02	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-02	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-02	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-02	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-02	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-02	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 3)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A) (Day/Evening)	Noise Criteria, Leq (30min) dB(A) (Night-time)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
149-02	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-02	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-02	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-02	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-02	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-02	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-02	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-02	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-02	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-02	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-03	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-03	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-03	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-04	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-04	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-04	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
201-01	1	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	2	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	3	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	4	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	5	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	6	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	7	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	8	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	9	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	10	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	11	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	12	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	13	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	14	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	15	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	16	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-02	1	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
201-02	2	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
201-02	3	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
201-02	4	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
201-02	5	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
201-02	6	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
201-02	7	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
201-02	8	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
201-02	9	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
201-02	10	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
201-02	11	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
201-02	12	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
201-02	13	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
201-02	14	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
201-02	15	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
201-02	16	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
201-03	1	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 3)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
201-03	2	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-03	3	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-03	4	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-03	5	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-03	6	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-03	7	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-03	8	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-03	9	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-03	10	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-03	11	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-03	12	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-03	13	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-03	14	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-03	15	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-03	16	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
206-01	1	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
206-01	2	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
206-01	3	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
206-01	4	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
206-01	5	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
206-01	6	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
206-01	7	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
206-01	8	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
206-01	9	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
206-01	10	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
206-01	11	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
206-01	12	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
206-01	13	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
206-01	14	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
206-01	15	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
206-01	16	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
207-01	1	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
207-01	2	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
207-01	3	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
207-01	4	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
207-01	5	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
207-01	6	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
207-01	7	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
207-01	8	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
207-01	9	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
207-01	10	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
207-01	11	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
207-01	12	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
207-01	13	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
207-01	14	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
207-01	15	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
207-01	16	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
207-01	17	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
211-01	1	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
211-01	2	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
211-01	3	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
211-01	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
211-01	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
211-01	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
211-01	7	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
211-01	8	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
211-01	9	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
211-01	10	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
211-01	11	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
211-01	12	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
211-01	13	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
211-01	14	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
211-01	15	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
211-01	16	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
211-01	17	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
212-01	1	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
212-01	2	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
212-01	3	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
212-01	4	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
212-01	5	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
212-01	6	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
212-01	7	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
212-01	8	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
212-01	9	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
212-01	10	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
212-01	11	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
212-01	12	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
212-01	13	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
212-01	14	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
212-01	15	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
212-01	16	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
212-01	17	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
212-02	1	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
212-02	2	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
212-02	3	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 3)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
212-02	4	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
212-02	5	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
212-02	6	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
212-02	7	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
212-02	8	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
212-02	9	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
212-02	10	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
212-02	11	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
212-02	12	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
212-02	13	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
212-02	14	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
212-02	15	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
212-02	16	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
212-02	17	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-01	1	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
215-01	2	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
215-01	3	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
215-01	4	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
215-01	5	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
215-01	6	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
215-01	7	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
215-01	8	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
215-01	9	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
215-01	10	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
215-01	11	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
215-01	12	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
215-01	13	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
215-01	14	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
215-01	15	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
215-01	16	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
215-01	17	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
215-01	18	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
215-02	1	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	2	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	3	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	4	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	5	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	6	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	7	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	8	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	9	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	10	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	11	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	12	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	13	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	14	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	15	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	16	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	17	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	18	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	1	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	2	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	3	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	4	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	5	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	6	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	7	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	8	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	9	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	10	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	11	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	12	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	13	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	14	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	15	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	16	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	17	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	18	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	1	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	2	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	3	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	4	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	5	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	6	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	7	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	8	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	9	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	10	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	11	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	12	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	13	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	14	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	15	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
215-04	16	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
215-04	17	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 3)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
215-04	18	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
301-01	1	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
301-01	2	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
301-01	3	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
301-01	4	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
301-01	5	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
301-01	6	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
301-01	7	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
301-01	8	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
301-01	9	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
301-01	10	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
301-01	11	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
301-01	12	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
301-01	13	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
301-01	14	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
301-01	15	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
301-01	16	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
301-01	17	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
301-01	18	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
301-01	19	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
303-01	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-01	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-01	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-01	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-01	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-01	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-01	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-01	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-01	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-01	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-01	11	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-01	12	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-01	13	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-01	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
303-01	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
303-01	16	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
303-01	17	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
303-01	18	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
303-01	19	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
303-02	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-02	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-02	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-02	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-02	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-02	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-02	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-02	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-02	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-02	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-02	11	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-02	12	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-02	13	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-02	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
303-02	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
303-02	16	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
303-02	17	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
303-02	18	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
303-02	19	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
303-03	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-03	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-03	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-03	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-03	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-03	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-03	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-03	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-03	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-03	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-03	11	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-03	12	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-03	13	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-03	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
303-03	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
303-03	16	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
303-03	17	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
303-03	18	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
303-03	19	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
303-04	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-04	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-04	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-04	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-04	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-04	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-04	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-04	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 3)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A) (Day/Evening)	Noise Criteria, Leq (30min) dB(A) (Night-time)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
303-04	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-04	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-04	11	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-04	12	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-04	13	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-04	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
303-04	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
303-04	16	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
303-04	17	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
303-04	18	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
303-04	19	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
303-05	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-05	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-05	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-05	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-05	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-05	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-05	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-05	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-05	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-05	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-05	11	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-05	12	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-05	13	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-05	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
303-05	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
303-05	16	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
303-05	17	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
303-05	18	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
303-05	19	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
303-06	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-06	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-06	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-06	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-06	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-06	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-06	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-06	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-06	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-06	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-06	11	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-06	12	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-06	13	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-06	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
303-06	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
303-06	16	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
303-06	17	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
303-06	18	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
303-06	19	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
303-07	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-07	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-07	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-07	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-07	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-07	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-07	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-07	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-07	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-07	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-07	11	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-07	12	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-07	13	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-07	14	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-07	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
303-07	16	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
303-07	17	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
303-07	18	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
303-07	19	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
304-01	1	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
304-01	2	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
304-01	3	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
304-01	4	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
304-01	5	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
304-01	6	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
304-01	7	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
304-01	8	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
304-01	9	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
304-01	10	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
304-01	11	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
304-01	12	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
304-01	13	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
304-01	14	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
304-01	15	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
304-01	16	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
304-01	17	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 3)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
304-01	18	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
304-01	19	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
305-01	1	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
305-01	2	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
305-01	3	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
305-01	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
305-01	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
305-01	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
305-01	7	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
305-01	8	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
305-01	9	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
305-01	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
305-01	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
305-01	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
305-01	13	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
305-01	14	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
305-01	15	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
305-01	16	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
305-01	17	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
305-01	18	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
305-01	19	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
307-01	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
307-01	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
307-01	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
307-01	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
307-01	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
307-01	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
307-01	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
307-01	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
307-01	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
307-01	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
307-01	11	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
307-01	12	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-01	13	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-01	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-01	15	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
307-01	16	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
307-01	17	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
307-01	18	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
307-01	19	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
307-01	20	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
307-02	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
307-02	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
307-02	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
307-02	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
307-02	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
307-02	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
307-02	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
307-02	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
307-02	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
307-02	10	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-02	11	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-02	12	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-02	13	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-02	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-02	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-02	16	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
307-02	17	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
307-02	18	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
307-02	19	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
307-02	20	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
307-03	1	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
307-03	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
307-03	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
307-03	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
307-03	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
307-03	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
307-03	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
307-03	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
307-03	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
307-03	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
307-03	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
307-03	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
307-03	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
307-03	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
307-03	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
307-03	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
307-03	17	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
307-03	18	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
307-03	19	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
307-03	20	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
307-04	1	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-04	2	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-04	3	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-04	4	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 3)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
307-04	5	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-04	6	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-04	7	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-04	8	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-04	9	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-04	10	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-04	11	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-04	12	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-04	13	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-04	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-04	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-04	16	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-04	17	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-04	18	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-04	19	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-04	20	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-05	1	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-05	2	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-05	3	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-05	4	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-05	5	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-05	6	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-05	7	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-05	8	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-05	9	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-05	10	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-05	11	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-05	12	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-05	13	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-05	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-05	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-05	16	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-05	17	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-05	18	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-05	19	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-05	20	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-06	1	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-06	2	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-06	3	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-06	4	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-06	5	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-06	6	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-06	7	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-06	8	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-06	9	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-06	10	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-06	11	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-06	12	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-06	13	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-06	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-06	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-06	16	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-06	17	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-06	18	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-06	19	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-06	20	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
308-01	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
308-01	2	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
308-01	3	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
308-01	4	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
308-01	5	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
308-01	6	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
308-01	7	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
308-01	8	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
308-01	9	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
308-01	10	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
308-01	11	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
308-01	12	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
308-01	13	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
308-01	14	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
308-01	15	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
308-01	16	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
308-01	17	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
308-01	18	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
308-01	19	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
308-01	20	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
308-01	21	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
309-01	1	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
309-01	2	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
309-01	3	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
309-01	4	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
309-01	5	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
309-01	6	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
309-01	7	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
309-01	8	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 3)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
309-01	9	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
309-01	10	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
309-01	11	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
309-01	12	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
309-01	13	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
309-01	14	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
309-01	15	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
309-01	16	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
309-01	17	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
309-01	18	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
309-01	19	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
309-01	20	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
309-01	21	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
309-01	22	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
309-02	1	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
309-02	2	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
309-02	3	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
309-02	4	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
309-02	5	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
309-02	6	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
309-02	7	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
309-02	8	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
309-02	9	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
309-02	10	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
309-02	11	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
309-02	12	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
309-02	13	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
309-02	14	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
309-02	15	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
309-02	16	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
309-02	17	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
309-02	18	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
309-02	19	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
309-02	20	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
309-02	21	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
309-02	22	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
310-01	1	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-01	2	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-01	3	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-01	4	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-01	5	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-01	6	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-01	7	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-01	8	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-01	9	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-01	10	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-01	11	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-01	12	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-01	13	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-01	14	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-01	15	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-01	16	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-01	17	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-01	18	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-02	1	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-02	2	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-02	3	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-02	4	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-02	5	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-02	6	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-02	7	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-02	8	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-02	9	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-02	10	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-02	11	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-02	12	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-02	13	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-02	14	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-02	15	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-02	16	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-02	17	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-02	18	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-03	1	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-03	2	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-03	3	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-03	4	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-03	5	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-03	6	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-03	7	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-03	8	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-03	9	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-03	10	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-03	11	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-03	12	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-03	13	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 3)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
310-03	14	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-03	15	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-03	16	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-03	17	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-03	18	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-04	1	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-04	2	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-04	3	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-04	4	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-04	5	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-04	6	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-04	7	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-04	8	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-04	9	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-04	10	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-04	11	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-04	12	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-04	13	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-04	14	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-04	15	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-04	16	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-04	17	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-04	18	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
311-01	1	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
311-01	2	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
311-01	3	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
311-01	4	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
311-01	5	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-01	6	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-01	7	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-01	8	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-01	9	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-01	10	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-01	11	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-01	12	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-01	13	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-01	14	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-01	15	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-01	16	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-01	17	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-01	18	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-02	1	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
311-02	2	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
311-02	3	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-02	4	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-02	5	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-02	6	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-02	7	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-02	8	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-02	9	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-02	10	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-02	11	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-02	12	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-02	13	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-02	14	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-02	15	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-02	16	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-02	17	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-02	18	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
312-01	1	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
312-01	2	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
312-01	3	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
312-01	4	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
312-01	5	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
312-01	6	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
312-01	7	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
312-01	8	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
312-01	9	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
312-01	10	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
312-01	11	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
312-01	12	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
312-01	13	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
312-01	14	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
312-01	15	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
312-01	16	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
312-01	17	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
312-01	18	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
501-01	1	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
501-01	2	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
501-01	3	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
501-01	4	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
501-01	5	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
501-01	6	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
501-01	7	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
501-02	1	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 3)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
501-02	2	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
501-02	3	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
501-02	4	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
501-02	5	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
501-02	6	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
501-02	7	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
501-03	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
501-03	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
501-03	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
501-03	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
501-03	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
501-03	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
501-03	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
501-04	1	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
501-04	2	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
501-04	3	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
501-04	4	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
501-04	5	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
501-04	6	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
501-04	7	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
501-05	1	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
501-05	2	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
501-05	3	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
501-05	4	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
501-05	5	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
501-05	6	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
501-05	7	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
601-01	1	Negligible[1]	45	45	Negligible[1]	45	45	65	55	No
601-01	2	Negligible[1]	45	45	Negligible[1]	45	45	65	55	No
601-01	3	Negligible[1]	45	45	Negligible[1]	45	45	65	55	No
601-01	4	Negligible[1]	45	45	Negligible[1]	45	45	65	55	No
601-01	5	Negligible[1]	45	45	Negligible[1]	45	45	65	55	No
601-01	6	Negligible[1]	45	45	Negligible[1]	45	45	65	55	No
601-01	7	Negligible[1]	45	45	Negligible[1]	45	45	65	55	No
601-02	1	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
601-02	2	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
601-02	3	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
601-02	4	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
601-02	5	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
601-02	6	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
601-02	7	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
601-03	1	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
601-03	2	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
601-03	3	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
601-03	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
601-03	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
601-03	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
601-03	7	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
601-04	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
601-04	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
601-04	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
601-04	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
601-04	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
601-04	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
601-04	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
601-05	1	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
601-05	2	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
601-05	3	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
601-05	4	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
601-05	5	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
601-05	6	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
601-05	7	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
601-06	1	Negligible[1]	49	49	Negligible[1]	49	49	65	55	No
601-06	2	Negligible[1]	49	49	Negligible[1]	49	49	65	55	No
601-06	3	Negligible[1]	49	49	Negligible[1]	49	49	65	55	No
601-06	4	Negligible[1]	49	49	Negligible[1]	49	49	65	55	No
601-06	5	Negligible[1]	49	49	Negligible[1]	49	49	65	55	No
601-06	6	Negligible[1]	49	49	Negligible[1]	49	49	65	55	No
601-06	7	Negligible[1]	48	48	Negligible[1]	48	48	65	55	No
601-07	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
601-07	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
601-07	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
601-07	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
601-07	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
601-07	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
601-07	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
601-08	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
601-08	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
601-08	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
601-08	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
601-08	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
601-08	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
601-08	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
601-09	1	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
601-09	2	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 3)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A) (Day/Evening)	Noise Criteria, Leq (30min) dB(A) (Night-time)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
601-09	3	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
601-09	4	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
601-09	5	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
601-09	6	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
601-09	7	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
801-01	1	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
802-01	1	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
802-02	1	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
803-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Note:

[1] The rail noise level is predicted to be lower than 40 dB(A).

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
Existing NSR										
N01-01	-	Negligible[1]	69	69	Negligible[1]	69	69	-	-	No
Planned NSRs										
101-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-05	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-05	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
101-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
101-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A) (Day/Evening)	Noise Criteria, Leq (30min) dB(A) (Night-time)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
101-06	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
103-01	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-01	13	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
103-01	14	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
103-01	15	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
103-01	16	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
103-01	17	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
103-01	18	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
103-03	1	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	2	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	3	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	7	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	8	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	9	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	13	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-03	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-03	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-03	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-03	17	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
103-03	18	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
103-04	1	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	2	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	3	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
103-04	4	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	5	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	6	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	7	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	8	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	9	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	10	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	11	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	12	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	13	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
103-04	14	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
103-04	15	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
103-04	16	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
103-04	17	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
103-04	18	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
103-05	1	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
103-05	2	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
103-05	3	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	7	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	8	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	9	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	13	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	14	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	15	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	16	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	17	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-05	18	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
103-06	1	Negligible[1]	42	42	Negligible[1]	42	42	65	55	No
103-06	2	Negligible[1]	42	42	Negligible[1]	42	42	65	55	No
103-06	3	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
103-06	4	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
103-06	5	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
103-06	6	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
103-06	7	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
103-06	8	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
103-06	9	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
103-06	10	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
103-06	11	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
103-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A) (Day/Evening)	Noise Criteria, Leq (30min) dB(A) (Night-time)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
103-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
103-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
103-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
103-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
103-06	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
103-06	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-02	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
104-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total	(Day/Evening)	(Night-time)	
107-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
107-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-05	1	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
107-05	2	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
107-05	3	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
107-05	4	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
107-05	5	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
107-05	6	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
107-05	7	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
107-05	8	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
107-05	9	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
107-05	10	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
107-05	11	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
107-05	12	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
107-05	13	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
107-05	14	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
107-05	15	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
107-05	16	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
107-05	17	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
107-05	18	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
107-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
107-06	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
108-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-01	18	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
108-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
108-03	18	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
108-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-05	1	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
108-05	2	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
108-05	3	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
108-05	4	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
108-05	5	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
108-05	6	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
108-05	7	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
108-05	8	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
108-05	9	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
108-05	10	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
108-05	11	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
108-05	12	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
108-05	13	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
108-05	14	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
108-05	15	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
108-05	16	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
108-05	17	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
108-05	18	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
108-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
108-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
108-06	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-01	1	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-01	2	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-01	3	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-01	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-01	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-01	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-01	7	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-01	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
110-01	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
110-01	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
110-01	11	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
110-01	12	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
110-01	13	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
110-01	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
110-01	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
110-01	16	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
110-01	17	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
110-01	18	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
110-03	1	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
110-03	2	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
110-03	3	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
110-03	4	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
110-03	5	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
110-03	6	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
110-03	7	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
110-03	8	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
110-03	9	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
110-03	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-03	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-03	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-03	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
110-03	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
110-03	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
110-03	16	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
110-03	17	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
110-03	18	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
110-04	1	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
110-04	2	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
110-04	3	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
110-04	4	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
110-04	5	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
110-04	6	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
110-04	7	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
110-04	8	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
110-04	9	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
110-04	10	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
110-04	11	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
110-04	12	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
110-04	13	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
110-04	14	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
110-04	15	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
110-04	16	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
110-04	17	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
110-04	18	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
110-05	1	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
110-05	2	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-05	3	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-05	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-05	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-05	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-05	7	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-05	8	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-05	9	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-05	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-05	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-05	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
110-05	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
110-05	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
110-05	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
110-05	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
110-05	17	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
110-05	18	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
110-06	1	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
110-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total	(Day/Evening)	(Night-time)	
110-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
110-06	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-01	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-02	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-03	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
111-04	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-01	1	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
113-01	2	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-01	3	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-01	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-01	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-01	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-01	7	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-01	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
113-01	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
113-01	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
113-01	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
113-01	12	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
113-01	13	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
113-01	14	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
113-01	15	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
113-01	16	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
113-01	17	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
113-01	18	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
113-01	19	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
113-03	1	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-03	2	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-03	3	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
113-03	4	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
113-03	5	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
113-03	6	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
113-03	7	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
113-03	8	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-03	9	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-03	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-03	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-03	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
113-03	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
113-03	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
113-03	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
113-03	16	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
113-03	17	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
113-03	18	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
113-03	19	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
113-04	1	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	2	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	3	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	4	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	5	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	6	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	7	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
113-04	8	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	9	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	10	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	11	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	12	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	13	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	14	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	15	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	16	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	17	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	18	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
113-04	19	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
113-05	1	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
113-05	2	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-05	3	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-05	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-05	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-05	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-05	7	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-05	8	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-05	9	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-05	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-05	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-05	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
113-05	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
113-05	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
113-05	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
113-05	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
113-05	17	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
113-05	18	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
113-05	19	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
113-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
113-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
113-06	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-01	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-02	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-03	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
114-04	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
116-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-01	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-02	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-03	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
116-04	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total	(Day/Evening)	(Night-time)	
117-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-01	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-02	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-03	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
117-04	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total	(Day/Evening)	(Night-time)	
118-01	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-02	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-03	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
118-04	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
119-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-05	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
119-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-01	1	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	2	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	3	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	4	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	5	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	6	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-01	7	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	8	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	9	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	10	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	11	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	12	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-01	13	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
122-01	14	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
122-01	15	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
122-01	16	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
122-03	1	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-03	2	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-03	3	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-03	4	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-03	5	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-03	6	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-03	7	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	8	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	9	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	10	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	11	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	12	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	13	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	14	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	15	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
122-03	16	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total	(Day/Evening)	(Night-time)	
122-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-05	1	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-05	2	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-05	3	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-05	4	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-05	5	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-05	6	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-05	7	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-05	8	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
122-05	9	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-05	10	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-05	11	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-05	12	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-05	13	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-05	14	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-05	15	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-05	16	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
122-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
122-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-01	1	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-01	2	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
123-01	3	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
123-01	4	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
123-01	5	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
123-01	6	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
123-01	7	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
123-01	8	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
123-01	9	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
123-01	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
123-01	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
123-01	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
123-01	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
123-01	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
123-01	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
123-01	16	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
123-03	1	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
123-03	2	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
123-03	3	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
123-03	4	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
123-03	5	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
123-03	6	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
123-03	7	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
123-03	8	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-03	9	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-03	10	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-03	11	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-03	12	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-03	13	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-03	14	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-03	15	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-03	16	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
123-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
123-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-05	1	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	2	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	3	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	4	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	5	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
123-05	6	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
123-05	7	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	8	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	9	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	10	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	11	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	12	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	13	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	14	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	15	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
123-05	16	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
123-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
123-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-01	9	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
125-01	10	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
125-01	11	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
125-01	12	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
125-01	13	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
125-01	14	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
125-01	15	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
125-01	16	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
125-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
125-03	9	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
125-03	10	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
125-03	11	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
125-03	12	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
125-03	13	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
125-03	14	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
125-03	15	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
125-03	16	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
125-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
125-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-05	1	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
125-05	2	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
125-05	3	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
125-05	4	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
125-05	5	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
125-05	6	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
125-05	7	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
125-05	8	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
125-05	9	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
125-05	10	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
125-05	11	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
125-05	12	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
125-05	13	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
125-05	14	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
125-05	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
125-05	16	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
125-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
125-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-01	8	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
126-01	9	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
126-01	10	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
126-01	11	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
126-01	12	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
126-01	13	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
126-01	14	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
126-01	15	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
126-01	16	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
126-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-03	14	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
126-03	15	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
126-03	16	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
126-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A) (Day/Evening)	Noise Criteria, Leq (30min) dB(A) (Night-time)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
126-05	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-05	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
126-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
126-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-05	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
129-05	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-05	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
129-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
129-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-01	5	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
130-01	6	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
130-01	7	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-01	8	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
130-01	9	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
130-01	10	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
130-01	11	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
130-01	12	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
130-01	13	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
130-01	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
130-01	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
130-01	16	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
130-01	17	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
130-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
130-03	10	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
130-03	11	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
130-03	12	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-03	13	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
130-03	14	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
130-03	15	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
130-03	16	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
130-03	17	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
130-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-05	1	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	2	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	3	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	4	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	5	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	6	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	7	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	8	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	9	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
130-05	10	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
130-05	11	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
130-05	12	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
130-05	13	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
130-05	14	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
130-05	15	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
130-05	16	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
130-05	17	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
130-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
130-06	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-01	1	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
132-01	2	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
132-01	3	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-01	4	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-01	5	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-01	6	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-01	7	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-01	8	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	9	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	10	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	11	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	12	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	13	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	14	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	15	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	16	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-01	17	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-03	1	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-03	2	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-03	3	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-03	4	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-03	5	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-03	6	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-03	7	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-03	8	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-03	9	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-03	10	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-03	11	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
132-03	12	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
132-03	13	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
132-03	14	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
132-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
132-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
132-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
132-04	1	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
132-04	2	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
132-04	3	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
132-04	4	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
132-04	5	Negligible[1]	41	41	Negligible[1]	41	41	65	55	No
132-04	6	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
132-04	7	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
132-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-05	1	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
132-05	2	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
132-05	3	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
132-05	4	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
132-05	5	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
132-05	6	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
132-05	7	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-05	8	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-05	9	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-05	10	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-05	11	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
132-05	12	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
132-05	13	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-05	14	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-05	15	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-05	16	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-05	17	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
132-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
132-06	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-01	1	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
133-01	2	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
133-01	3	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
133-01	4	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
133-01	5	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-01	6	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-01	7	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-01	11	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-01	12	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-01	13	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-01	14	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-01	15	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
133-01	16	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
133-01	17	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
133-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-05	1	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-05	2	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-05	3	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-05	4	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
133-05	5	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-05	6	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-05	7	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
133-05	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-05	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-05	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-05	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total	(Day/Evening)	(Night-time)	
133-05	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-05	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-05	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-05	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-05	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-05	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
133-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
133-06	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-05	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total	(Day/Evening)	(Night-time)	
135-05	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-05	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
135-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
135-06	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-01	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-02	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-03	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total	(Day/Evening)	(Night-time)	
136-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
136-04	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-01	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-02	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-03	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total	(Day/Evening)	(Night-time)	
139-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
139-04	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-01	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-02	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-03	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
140-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
140-04	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
142-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-01	3	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
142-01	4	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
142-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-01	13	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
142-01	14	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
142-01	15	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
142-01	16	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
142-01	17	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
142-01	18	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
142-01	19	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
142-01	20	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
142-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-03	17	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
142-03	18	Negligible[1]	40	40	Negligible[1]	40	40	70	60	No
142-03	19	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
142-03	20	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
142-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-04	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
142-05	1	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
142-05	2	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
142-05	3	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
142-05	4	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
142-05	5	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
142-05	6	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
142-05	7	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
142-05	8	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
142-05	9	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
142-05	10	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
142-05	11	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
142-05	12	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
142-05	13	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
142-05	14	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
142-05	15	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
142-05	16	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
142-05	17	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
142-05	18	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
142-05	19	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
142-05	20	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
142-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A) (Day/Evening)	Noise Criteria, Leq (30min) dB(A) (Night-time)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
142-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
142-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
142-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
142-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
142-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
142-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
142-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
142-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
142-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
142-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
142-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
142-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
142-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
142-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
142-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
142-06	17	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
142-06	18	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
142-06	19	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
142-06	20	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
143-01	1	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
143-01	2	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
143-01	3	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
143-01	4	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
143-01	5	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
143-01	6	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-01	7	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-01	8	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-01	9	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-01	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
143-01	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
143-01	12	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-01	13	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-01	14	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-01	15	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-01	16	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-01	17	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-01	18	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-01	19	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-01	20	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-03	1	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
143-03	2	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
143-03	3	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
143-03	4	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
143-03	5	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
143-03	6	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-03	7	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-03	8	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-03	9	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-03	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
143-03	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
143-03	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
143-03	13	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
143-03	14	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-03	15	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-03	16	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-03	17	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-03	18	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-03	19	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-03	20	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
143-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
143-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	70	60	No
143-04	4	Negligible[1]	41	41	Negligible[1]	41	41	70	60	No
143-04	5	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
143-04	6	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
143-04	7	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
143-04	8	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
143-04	9	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
143-04	10	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
143-04	11	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
143-04	12	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
143-04	13	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
143-04	14	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
143-04	15	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
143-04	16	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
143-04	17	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
143-04	18	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
143-04	19	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
143-04	20	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
143-05	1	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
143-05	2	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
143-05	3	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
143-05	4	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
143-05	5	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
143-05	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
143-05	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
143-05	8	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
143-05	9	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
143-05	10	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
143-05	11	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
143-05	12	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
143-05	13	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
143-05	14	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
143-05	15	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
143-05	16	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
143-05	17	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
143-05	18	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
143-05	19	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
143-05	20	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
143-06	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
143-06	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
143-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
143-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
143-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
143-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
143-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
143-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
143-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
143-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
143-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
143-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
143-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
143-06	14	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
143-06	15	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
143-06	16	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
143-06	17	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
143-06	18	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
143-06	19	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
143-06	20	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
146-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-01	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-01	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-01	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-02	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-02	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-02	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-02	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-02	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-02	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-02	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-02	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-02	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-02	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-02	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-02	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-02	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-02	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-02	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-02	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-02	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-02	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-02	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-02	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-02	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
146-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-03	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-03	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-03	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-04	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-04	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
146-04	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
147-01	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
147-01	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
147-01	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
147-01	4	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-01	5	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-01	6	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-01	7	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-01	8	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-01	9	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-01	10	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
147-01	11	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
147-01	12	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
147-01	13	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
147-01	14	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
147-01	15	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
147-01	16	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
147-01	17	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
147-01	18	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
147-01	19	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
147-01	20	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
147-01	21	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
147-03	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
147-03	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
147-03	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
147-03	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
147-03	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
147-03	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
147-03	7	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-03	8	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-03	9	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-03	10	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-03	11	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-03	12	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-03	13	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-03	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-03	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-03	16	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-03	17	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
147-03	18	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
147-03	19	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
147-03	20	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
147-03	21	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
147-04	1	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
147-04	2	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
147-04	3	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
147-04	4	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
147-04	5	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
147-04	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-04	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
147-04	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
147-04	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
147-04	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
147-04	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-04	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-04	13	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-04	14	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-04	15	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-04	16	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-04	17	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-04	18	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-04	19	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-04	20	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-04	21	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-05	1	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-05	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
147-05	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
147-05	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-05	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
147-05	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
147-05	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
147-05	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
147-05	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
147-05	10	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-05	11	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-05	12	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-05	13	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-05	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-05	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-05	16	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-05	17	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-05	18	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-05	19	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-05	20	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-05	21	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
147-06	1	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
147-06	2	Negligible[1]	40	40	Negligible[1]	40	40	65	55	No
147-06	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
147-06	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
147-06	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
147-06	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
147-06	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
147-06	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
147-06	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
147-06	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
147-06	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
147-06	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
147-06	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
147-06	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
147-06	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
147-06	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
147-06	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
147-06	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
147-06	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
147-06	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
147-06	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-01	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-01	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-01	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-02	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-02	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-02	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-02	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-02	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-02	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-02	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-02	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-02	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-02	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-02	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total	(Day/Evening)	(Night-time)	
149-02	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-02	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-02	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-02	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-02	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-02	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-02	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-02	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-02	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-02	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-03	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-03	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-03	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-04	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-04	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
149-04	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
201-01	1	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	2	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	3	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	4	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	5	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	6	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	7	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	8	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	9	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	10	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	11	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	12	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	13	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	14	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	15	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-01	16	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-02	1	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
201-02	2	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
201-02	3	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
201-02	4	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
201-02	5	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
201-02	6	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
201-02	7	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
201-02	8	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
201-02	9	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
201-02	10	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
201-02	11	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
201-02	12	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
201-02	13	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
201-02	14	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
201-02	15	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
201-02	16	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
201-03	1	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
201-03	2	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-03	3	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-03	4	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-03	5	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-03	6	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-03	7	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-03	8	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-03	9	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-03	10	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-03	11	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-03	12	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-03	13	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-03	14	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-03	15	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
201-03	16	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
206-01	1	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
206-01	2	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
206-01	3	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
206-01	4	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
206-01	5	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
206-01	6	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
206-01	7	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
206-01	8	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
206-01	9	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
206-01	10	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
206-01	11	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
206-01	12	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
206-01	13	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
206-01	14	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
206-01	15	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
206-01	16	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
207-01	1	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
207-01	2	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
207-01	3	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
207-01	4	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
207-01	5	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
207-01	6	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
207-01	7	Negligible[1]	44	44	Negligible[1]	44	44	70	60	No
207-01	8	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
207-01	9	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
207-01	10	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
207-01	11	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
207-01	12	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
207-01	13	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
207-01	14	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
207-01	15	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
207-01	16	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
207-01	17	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
211-01	1	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
211-01	2	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
211-01	3	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
211-01	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
211-01	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
211-01	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
211-01	7	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
211-01	8	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
211-01	9	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
211-01	10	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
211-01	11	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
211-01	12	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
211-01	13	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
211-01	14	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
211-01	15	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
211-01	16	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
211-01	17	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
212-01	1	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
212-01	2	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
212-01	3	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
212-01	4	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
212-01	5	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
212-01	6	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
212-01	7	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
212-01	8	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
212-01	9	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
212-01	10	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
212-01	11	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
212-01	12	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
212-01	13	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
212-01	14	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
212-01	15	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
212-01	16	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
212-01	17	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
212-02	1	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
212-02	2	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
212-02	3	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
212-02	4	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
212-02	5	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
212-02	6	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
212-02	7	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
212-02	8	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
212-02	9	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
212-02	10	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
212-02	11	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
212-02	12	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
212-02	13	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
212-02	14	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
212-02	15	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
212-02	16	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
212-02	17	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-01	1	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
215-01	2	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
215-01	3	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
215-01	4	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
215-01	5	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
215-01	6	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
215-01	7	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
215-01	8	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
215-01	9	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
215-01	10	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
215-01	11	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
215-01	12	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
215-01	13	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
215-01	14	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
215-01	15	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
215-01	16	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
215-01	17	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
215-01	18	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
215-02	1	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	2	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	3	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	4	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	5	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	6	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	7	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	8	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	9	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	10	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	11	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	12	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	13	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	14	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	15	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	16	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	17	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-02	18	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	1	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	2	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	3	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	4	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	5	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	6	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	7	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	8	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	9	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	10	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	11	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	12	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	13	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	14	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	15	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	16	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	17	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-03	18	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	1	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	2	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	3	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	4	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	5	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	6	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	7	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	8	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	9	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	10	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	11	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	12	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	13	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	14	Negligible[1]	46	46	Negligible[1]	46	46	70	60	No
215-04	15	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
215-04	16	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
215-04	17	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
215-04	18	Negligible[1]	45	45	Negligible[1]	45	45	70	60	No
301-01	1	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
301-01	2	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
301-01	3	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
301-01	4	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
301-01	5	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
301-01	6	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
301-01	7	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
301-01	8	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
301-01	9	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
301-01	10	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
301-01	11	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
301-01	12	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
301-01	13	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
301-01	14	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
301-01	15	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
301-01	16	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
301-01	17	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
301-01	18	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
301-01	19	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
303-01	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-01	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-01	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-01	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-01	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-01	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-01	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-01	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-01	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-01	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-01	11	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-01	12	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-01	13	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-01	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
303-01	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
303-01	16	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
303-01	17	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
303-01	18	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
303-01	19	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
303-02	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-02	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-02	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-02	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-02	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-02	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-02	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-02	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-02	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-02	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-02	11	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-02	12	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-02	13	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-02	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
303-02	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
303-02	16	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
303-02	17	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
303-02	18	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
303-02	19	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
303-03	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-03	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-03	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-03	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-03	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-03	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-03	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-03	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-03	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-03	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-03	11	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-03	12	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-03	13	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-03	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
303-03	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
303-03	16	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
303-03	17	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
303-03	18	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
303-03	19	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
303-04	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-04	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-04	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-04	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-04	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-04	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-04	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-04	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A) (Day/Evening)	Noise Criteria, Leq (30min) dB(A) (Night-time)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
303-04	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-04	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-04	11	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-04	12	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-04	13	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-04	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
303-04	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
303-04	16	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
303-04	17	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
303-04	18	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
303-04	19	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
303-05	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-05	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-05	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-05	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-05	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-05	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-05	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-05	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-05	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-05	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-05	11	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-05	12	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-05	13	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-05	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
303-05	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
303-05	16	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
303-05	17	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
303-05	18	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
303-05	19	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
303-06	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-06	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-06	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-06	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-06	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-06	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-06	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-06	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-06	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-06	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-06	11	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-06	12	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-06	13	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-06	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
303-06	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
303-06	16	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
303-06	17	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
303-06	18	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
303-06	19	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
303-07	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-07	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-07	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-07	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-07	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-07	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-07	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-07	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
303-07	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-07	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-07	11	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-07	12	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-07	13	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-07	14	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
303-07	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
303-07	16	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
303-07	17	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
303-07	18	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
303-07	19	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
304-01	1	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
304-01	2	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
304-01	3	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
304-01	4	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
304-01	5	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
304-01	6	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
304-01	7	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
304-01	8	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
304-01	9	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
304-01	10	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
304-01	11	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
304-01	12	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
304-01	13	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
304-01	14	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
304-01	15	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
304-01	16	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
304-01	17	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
304-01	18	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
304-01	19	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
305-01	1	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
305-01	2	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
305-01	3	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
305-01	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
305-01	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
305-01	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
305-01	7	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
305-01	8	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
305-01	9	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
305-01	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
305-01	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
305-01	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
305-01	13	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
305-01	14	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
305-01	15	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
305-01	16	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
305-01	17	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
305-01	18	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
305-01	19	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
307-01	1	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
307-01	2	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
307-01	3	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
307-01	4	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
307-01	5	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
307-01	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
307-01	7	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
307-01	8	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
307-01	9	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
307-01	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
307-01	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
307-01	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
307-01	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
307-01	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
307-01	15	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
307-01	16	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-01	17	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-01	18	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
307-01	19	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
307-01	20	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
307-02	1	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
307-02	2	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
307-02	3	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
307-02	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
307-02	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
307-02	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
307-02	7	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
307-02	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
307-02	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
307-02	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
307-02	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
307-02	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
307-02	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
307-02	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
307-02	15	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
307-02	16	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
307-02	17	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-02	18	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
307-02	19	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
307-02	20	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
307-03	1	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
307-03	2	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
307-03	3	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
307-03	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
307-03	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
307-03	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
307-03	7	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
307-03	8	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
307-03	9	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
307-03	10	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
307-03	11	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
307-03	12	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
307-03	13	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
307-03	14	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
307-03	15	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
307-03	16	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
307-03	17	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
307-03	18	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
307-03	19	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
307-03	20	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
307-04	1	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-04	2	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-04	3	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-04	4	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
307-04	5	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-04	6	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-04	7	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-04	8	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-04	9	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-04	10	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-04	11	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-04	12	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-04	13	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-04	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-04	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-04	16	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-04	17	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-04	18	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-04	19	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-04	20	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-05	1	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-05	2	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-05	3	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-05	4	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-05	5	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-05	6	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-05	7	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-05	8	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-05	9	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-05	10	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-05	11	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-05	12	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-05	13	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-05	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-05	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-05	16	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-05	17	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-05	18	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-05	19	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-05	20	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-06	1	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-06	2	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-06	3	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-06	4	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-06	5	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-06	6	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-06	7	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-06	8	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-06	9	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-06	10	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-06	11	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-06	12	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-06	13	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-06	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-06	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-06	16	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-06	17	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-06	18	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-06	19	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
307-06	20	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
308-01	1	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
308-01	2	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
308-01	3	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
308-01	4	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
308-01	5	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
308-01	6	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
308-01	7	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
308-01	8	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
308-01	9	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
308-01	10	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
308-01	11	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
308-01	12	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
308-01	13	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
308-01	14	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
308-01	15	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
308-01	16	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
308-01	17	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
308-01	18	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
308-01	19	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
308-01	20	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
308-01	21	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
309-01	1	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
309-01	2	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
309-01	3	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
309-01	4	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
309-01	5	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
309-01	6	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
309-01	7	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
309-01	8	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
309-01	9	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
309-01	10	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
309-01	11	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
309-01	12	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
309-01	13	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
309-01	14	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
309-01	15	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
309-01	16	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
309-01	17	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
309-01	18	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
309-01	19	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
309-01	20	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
309-01	21	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
309-01	22	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
309-02	1	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
309-02	2	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
309-02	3	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
309-02	4	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
309-02	5	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
309-02	6	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
309-02	7	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
309-02	8	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
309-02	9	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
309-02	10	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
309-02	11	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
309-02	12	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
309-02	13	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
309-02	14	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
309-02	15	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
309-02	16	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
309-02	17	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
309-02	18	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
309-02	19	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
309-02	20	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
309-02	21	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
309-02	22	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
310-01	1	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-01	2	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-01	3	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-01	4	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-01	5	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-01	6	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-01	7	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-01	8	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-01	9	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-01	10	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-01	11	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-01	12	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-01	13	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-01	14	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-01	15	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-01	16	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-01	17	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-01	18	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-02	1	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-02	2	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-02	3	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-02	4	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-02	5	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-02	6	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-02	7	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-02	8	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-02	9	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-02	10	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-02	11	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-02	12	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-02	13	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-02	14	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-02	15	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-02	16	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-02	17	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-02	18	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-03	1	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-03	2	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-03	3	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-03	4	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-03	5	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-03	6	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-03	7	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-03	8	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-03	9	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-03	10	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-03	11	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-03	12	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-03	13	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
310-03	14	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-03	15	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-03	16	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-03	17	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-03	18	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-04	1	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-04	2	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-04	3	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-04	4	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-04	5	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-04	6	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-04	7	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-04	8	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-04	9	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-04	10	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-04	11	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-04	12	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-04	13	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-04	14	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-04	15	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-04	16	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-04	17	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
310-04	18	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
311-01	1	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
311-01	2	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
311-01	3	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
311-01	4	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
311-01	5	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-01	6	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-01	7	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-01	8	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-01	9	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-01	10	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-01	11	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-01	12	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-01	13	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-01	14	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-01	15	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-01	16	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-01	17	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-01	18	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-02	1	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
311-02	2	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
311-02	3	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-02	4	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-02	5	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-02	6	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-02	7	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-02	8	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-02	9	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-02	10	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-02	11	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-02	12	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-02	13	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-02	14	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-02	15	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-02	16	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-02	17	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
311-02	18	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
312-01	1	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
312-01	2	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
312-01	3	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
312-01	4	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
312-01	5	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
312-01	6	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
312-01	7	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
312-01	8	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
312-01	9	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
312-01	10	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
312-01	11	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
312-01	12	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
312-01	13	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
312-01	14	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
312-01	15	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
312-01	16	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
312-01	17	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
312-01	18	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
401-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A) (Day/Evening)	Noise Criteria, Leq (30min) dB(A) (Night-time)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
401-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-01	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-01	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-01	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-02	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-02	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-02	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-02	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-02	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-02	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-02	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-02	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-02	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-02	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-02	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-02	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-02	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-02	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-02	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-02	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-02	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-02	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-02	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-02	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-02	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-03	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-03	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-03	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-04	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-04	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
401-04	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total	(Day/Evening)	(Night-time)	
403-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-01	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-01	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-01	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-02	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-02	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-02	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-02	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-02	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-02	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-02	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-02	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-02	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-02	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-02	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-02	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-02	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-02	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-02	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-02	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-02	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-02	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-02	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-02	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-02	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-03	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-03	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-03	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-04	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-04	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
403-04	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
404-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-01	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-01	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-01	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-01	22	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-02	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-02	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-02	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-02	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-02	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-02	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-02	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-02	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-02	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-02	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-02	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-02	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-02	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-02	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-02	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-02	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-02	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-02	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-02	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-02	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-02	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-02	22	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-03	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-03	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-03	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-03	22	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-04	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-04	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-04	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
404-04	22	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-01	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-01	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-01	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-01	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-01	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-01	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total	(Day/Evening)	(Night-time)	
407-01	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-01	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-01	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-01	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-01	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-01	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-01	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-01	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-01	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-01	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-01	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-01	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-01	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-01	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-01	22	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-02	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-02	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-02	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-02	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-02	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-02	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-02	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-02	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-02	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-02	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-02	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-02	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-02	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-02	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-02	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-02	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-02	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-02	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-02	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-02	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-02	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-02	22	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-03	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-03	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-03	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-03	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-03	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-03	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-03	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-03	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-03	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-03	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-03	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-03	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-03	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-03	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-03	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-03	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-03	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-03	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-03	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-03	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-03	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-03	22	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-04	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-04	2	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-04	3	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-04	4	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-04	5	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-04	6	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-04	7	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-04	8	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-04	9	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-04	10	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-04	11	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-04	12	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-04	13	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-04	14	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-04	15	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-04	16	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-04	17	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-04	18	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-04	19	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-04	20	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-04	21	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
407-04	22	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
408-01	1	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
408-01	2	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
408-01	3	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
408-01	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A) (Day/Evening)	Noise Criteria, Leq (30min) dB(A) (Night-time)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
408-01	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
408-01	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
408-01	7	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
408-01	8	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
408-01	9	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
408-01	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-01	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-01	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-01	13	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-01	14	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-01	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-01	16	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-01	17	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
408-01	18	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
408-01	19	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
408-01	20	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
408-02	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-02	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-02	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-02	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-02	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-02	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-02	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-02	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-02	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-02	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-02	11	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-02	12	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-02	13	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-02	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-02	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-02	16	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-02	17	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
408-02	18	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
408-02	19	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
408-02	20	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
408-03	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-03	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-03	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-03	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-03	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-03	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-03	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-03	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-03	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-03	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-03	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-03	12	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-03	13	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-03	14	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-03	15	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-03	16	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-03	17	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-03	18	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
408-03	19	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
408-03	20	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
408-04	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-04	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-04	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-04	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-04	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-04	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-04	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-04	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-04	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-04	10	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-04	11	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-04	12	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-04	13	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
408-04	14	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
408-04	15	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
408-04	16	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
408-04	17	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
408-04	18	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
408-04	19	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
408-04	20	Negligible[1]	58	58	Negligible[1]	58	58	70	60	No
408-05	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-05	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-05	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-05	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-05	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-05	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-05	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-05	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-05	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
408-05	10	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-05	11	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-05	12	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-05	13	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
408-05	14	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
408-05	15	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
408-05	16	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
408-05	17	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
408-05	18	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
408-05	19	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
408-05	20	Negligible[1]	58	58	Negligible[1]	58	58	70	60	No
408-06	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-06	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-06	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-06	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-06	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-06	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-06	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-06	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-06	9	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-06	10	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-06	11	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-06	12	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
408-06	13	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
408-06	14	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
408-06	15	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
408-06	16	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
408-06	17	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
408-06	18	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
408-06	19	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
408-06	20	Negligible[1]	59	59	Negligible[1]	59	59	70	60	No
408-07	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-07	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-07	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-07	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-07	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-07	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-07	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-07	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-07	9	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-07	10	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-07	11	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-07	12	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
408-07	13	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
408-07	14	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
408-07	15	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
408-07	16	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
408-07	17	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
408-07	18	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
408-07	19	Negligible[1]	58	58	Negligible[1]	58	58	70	60	No
408-07	20	Negligible[1]	59	59	Negligible[1]	59	59	70	60	No
408-08	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-08	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-08	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-08	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-08	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-08	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-08	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-08	8	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-08	9	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-08	10	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-08	11	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-08	12	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
408-08	13	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
408-08	14	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
408-08	15	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
408-08	16	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
408-08	17	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
408-08	18	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
408-08	19	Negligible[1]	58	58	Negligible[1]	58	58	70	60	No
408-08	20	Negligible[1]	59	59	Negligible[1]	59	59	70	60	No
408-09	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-09	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-09	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-09	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-09	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-09	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-09	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-09	8	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-09	9	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-09	10	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-09	11	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-09	12	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
408-09	13	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
408-09	14	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A) (Day/Evening)	Noise Criteria, Leq (30min) dB(A) (Night-time)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
408-09	15	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
408-09	16	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
408-09	17	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
408-09	18	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
408-09	19	Negligible[1]	58	58	Negligible[1]	58	58	70	60	No
408-09	20	Negligible[1]	59	59	Negligible[1]	59	59	70	60	No
408-10	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-10	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-10	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-10	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-10	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-10	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-10	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-10	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-10	9	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-10	10	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-10	11	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-10	12	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-10	13	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
408-10	14	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
408-10	15	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
408-10	16	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
408-10	17	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
408-10	18	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
408-10	19	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
408-10	20	Negligible[1]	58	58	Negligible[1]	58	58	70	60	No
408-11	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-11	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-11	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-11	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-11	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-11	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-11	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-11	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-11	9	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-11	10	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-11	11	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-11	12	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-11	13	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
408-11	14	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
408-11	15	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
408-11	16	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
408-11	17	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
408-11	18	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
408-11	19	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
408-11	20	Negligible[1]	58	58	Negligible[1]	58	58	70	60	No
408-12	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-12	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-12	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-12	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-12	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-12	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-12	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-12	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-12	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-12	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-12	11	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-12	12	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-12	13	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-12	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-12	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-12	16	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
408-12	17	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
408-12	18	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
408-12	19	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
408-12	20	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
408-13	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-13	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-13	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-13	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-13	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-13	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-13	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-13	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-13	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-13	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-13	11	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-13	12	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-13	13	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-13	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-13	15	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
408-13	16	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
408-13	17	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
408-13	18	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
408-13	19	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
408-13	20	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
408-14	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-14	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-14	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-14	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-14	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-14	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-14	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-14	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-14	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-14	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-14	11	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-14	12	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-14	13	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-14	14	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
408-14	15	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
408-14	16	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
408-14	17	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
408-14	18	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
408-14	19	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
408-14	20	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
408-15	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-15	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-15	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-15	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-15	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-15	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-15	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-15	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-15	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-15	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-15	11	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-15	12	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-15	13	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-15	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-15	15	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
408-15	16	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
408-15	17	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
408-15	18	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
408-15	19	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
408-15	20	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
408-16	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-16	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-16	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-16	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-16	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-16	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-16	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-16	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-16	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-16	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-16	11	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-16	12	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-16	13	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-16	14	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
408-16	15	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
408-16	16	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
408-16	17	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
408-16	18	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
408-16	19	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
408-16	20	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
408-17	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-17	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-17	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-17	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-17	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-17	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
408-17	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-17	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-17	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-17	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-17	11	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-17	12	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-17	13	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-17	14	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
408-17	15	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
408-17	16	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
408-17	17	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
408-17	18	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
408-17	19	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
408-17	20	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
408-18	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-18	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-18	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-18	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A) (Day/Evening)	Noise Criteria, Leq (30min) dB(A) (Night-time)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
408-18	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-18	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
408-18	7	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-18	8	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-18	9	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-18	10	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
408-18	11	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
408-18	12	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
408-18	13	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
408-18	14	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
408-18	15	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
408-18	16	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
408-18	17	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
408-18	18	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
408-18	19	Negligible[1]	59	59	Negligible[1]	59	59	70	60	No
408-18	20	Negligible[1]	60	60	Negligible[1]	60	60	70	60	No
409-01	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-01	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-01	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-01	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-01	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-01	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-01	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-01	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-01	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-01	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-01	11	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-01	12	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-01	13	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-01	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-01	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-01	16	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
409-01	17	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
409-01	18	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
409-01	19	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
409-01	20	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
409-02	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-02	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-02	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-02	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-02	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-02	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-02	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-02	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-02	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-02	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-02	11	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-02	12	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-02	13	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-02	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-02	15	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
409-02	16	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
409-02	17	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
409-02	18	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
409-02	19	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
409-02	20	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
409-03	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-03	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-03	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-03	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-03	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-03	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-03	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-03	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-03	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-03	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-03	11	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-03	12	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-03	13	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-03	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-03	15	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
409-03	16	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
409-03	17	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
409-03	18	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
409-03	19	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
409-03	20	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
409-04	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-04	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-04	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-04	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-04	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-04	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-04	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-04	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-04	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A) (Day/Evening)	Noise Criteria, Leq (30min) dB(A) (Night-time)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
409-04	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-04	11	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-04	12	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-04	13	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-04	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-04	15	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
409-04	16	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
409-04	17	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
409-04	18	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
409-04	19	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
409-04	20	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
409-05	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-05	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-05	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-05	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-05	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-05	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-05	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-05	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-05	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-05	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-05	11	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-05	12	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-05	13	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-05	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-05	15	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
409-05	16	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
409-05	17	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
409-05	18	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
409-05	19	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
409-05	20	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
409-06	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-06	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-06	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-06	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-06	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-06	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-06	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-06	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-06	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-06	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-06	11	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-06	12	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-06	13	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-06	14	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-06	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-06	16	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-06	17	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
409-06	18	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
409-06	19	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
409-06	20	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
409-07	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-07	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-07	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-07	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-07	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-07	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-07	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-07	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-07	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-07	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-07	11	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-07	12	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-07	13	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-07	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-07	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-07	16	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-07	17	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
409-07	18	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
409-07	19	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
409-07	20	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
409-08	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-08	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-08	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-08	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-08	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-08	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-08	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-08	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-08	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-08	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-08	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-08	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-08	13	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-08	14	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A) (Day/Evening)	Noise Criteria, Leq (30min) dB(A) (Night-time)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
409-08	15	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-08	16	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-08	17	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-08	18	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
409-08	19	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
409-08	20	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
409-09	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-09	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-09	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-09	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-09	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-09	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-09	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-09	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-09	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-09	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-09	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-09	12	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-09	13	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-09	14	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-09	15	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-09	16	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-09	17	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-09	18	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-09	19	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
409-09	20	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
409-10	1	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
409-10	2	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
409-10	3	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
409-10	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
409-10	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
409-10	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
409-10	7	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
409-10	8	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
409-10	9	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
409-10	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
409-10	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
409-10	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
409-10	13	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
409-10	14	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
409-10	15	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
409-10	16	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
409-10	17	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
409-10	18	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
409-10	19	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
409-10	20	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
409-11	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-11	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-11	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-11	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-11	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-11	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-11	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-11	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-11	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-11	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-11	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-11	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
409-11	13	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
409-11	14	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
409-11	15	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
409-11	16	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
409-11	17	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
409-11	18	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
409-11	19	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
409-11	20	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
409-12	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-12	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-12	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-12	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-12	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-12	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-12	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-12	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-12	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-12	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-12	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-12	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-12	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-12	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-12	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-12	16	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-12	17	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-12	18	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-12	19	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
409-12	20	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-13	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-13	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-13	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-13	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-13	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-13	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-13	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-13	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-13	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-13	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-13	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-13	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-13	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-13	14	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-13	15	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-13	16	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-13	17	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-13	18	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-13	19	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-13	20	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
409-14	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-14	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-14	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-14	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-14	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-14	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-14	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-14	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-14	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-14	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-14	11	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-14	12	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-14	13	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-14	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-14	15	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
409-14	16	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
409-14	17	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
409-14	18	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
409-14	19	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
409-14	20	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
409-15	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-15	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-15	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-15	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-15	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-15	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-15	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-15	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-15	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-15	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-15	11	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-15	12	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-15	13	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-15	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-15	15	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
409-15	16	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
409-15	17	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
409-15	18	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
409-15	19	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
409-15	20	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
409-16	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-16	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-16	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-16	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-16	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-16	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-16	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-16	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-16	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-16	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-16	11	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-16	12	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-16	13	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-16	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-16	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-16	16	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
409-16	17	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
409-16	18	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
409-16	19	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
409-16	20	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
409-17	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-17	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-17	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-17	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A) (Day/Evening)	Noise Criteria, Leq (30min) dB(A) (Night-time)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
409-17	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-17	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-17	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-17	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-17	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-17	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-17	11	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-17	12	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-17	13	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-17	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-17	15	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
409-17	16	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
409-17	17	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
409-17	18	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
409-17	19	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
409-17	20	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
409-18	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-18	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-18	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-18	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-18	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-18	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-18	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
409-18	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-18	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-18	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-18	11	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-18	12	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-18	13	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-18	14	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
409-18	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-18	16	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-18	17	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
409-18	18	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
409-18	19	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
409-18	20	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
414-01	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-01	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-01	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-01	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-01	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-01	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-01	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-01	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-01	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-01	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-01	11	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-01	12	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-01	13	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-01	14	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-01	15	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-01	16	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-01	17	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-01	18	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-01	19	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-01	20	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-01	21	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-02	1	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
414-02	2	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
414-02	3	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
414-02	4	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
414-02	5	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
414-02	6	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
414-02	7	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
414-02	8	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
414-02	9	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
414-02	10	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
414-02	11	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
414-02	12	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
414-02	13	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
414-02	14	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
414-02	15	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
414-02	16	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
414-02	17	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
414-02	18	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
414-02	19	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
414-02	20	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
414-02	21	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
414-03	1	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-03	2	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-03	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-03	4	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-03	5	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-03	6	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-03	7	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
414-03	8	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-03	9	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-03	10	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-03	11	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-03	12	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-03	13	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-03	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-03	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-03	16	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-03	17	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-03	18	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-03	19	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-03	20	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-03	21	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-04	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-04	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-04	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-04	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-04	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-04	6	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-04	7	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-04	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-04	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-04	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-04	11	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-04	12	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-04	13	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-04	14	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-04	15	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-04	16	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-04	17	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-04	18	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-04	19	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
414-04	20	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
414-04	21	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
414-05	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-05	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-05	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-05	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-05	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-05	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-05	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-05	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-05	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-05	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-05	11	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-05	12	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-05	13	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-05	14	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-05	15	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-05	16	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-05	17	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
414-05	18	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
414-05	19	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
414-05	20	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
414-05	21	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
414-06	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-06	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-06	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-06	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-06	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-06	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-06	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-06	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-06	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-06	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-06	11	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-06	12	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-06	13	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-06	14	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-06	15	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-06	16	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-06	17	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
414-06	18	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
414-06	19	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
414-06	20	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
414-06	21	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
414-07	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-07	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-07	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-07	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-07	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-07	6	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-07	7	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-07	8	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A) (Day/Evening)	Noise Criteria, Leq (30min) dB(A) (Night-time)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
414-07	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-07	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-07	11	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-07	12	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-07	13	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-07	14	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-07	15	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-07	16	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-07	17	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-07	18	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-07	19	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-07	20	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-07	21	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
414-08	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-08	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-08	3	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-08	4	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-08	5	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-08	6	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-08	7	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-08	8	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-08	9	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-08	10	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-08	11	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-08	12	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-08	13	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-08	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-08	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-08	16	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-08	17	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-08	18	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-08	19	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-08	20	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-08	21	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-09	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-09	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-09	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-09	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-09	5	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-09	6	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-09	7	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-09	8	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-09	9	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-09	10	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-09	11	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-09	12	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-09	13	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-09	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-09	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-09	16	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-09	17	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-09	18	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-09	19	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-09	20	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-09	21	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-10	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-10	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-10	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-10	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-10	5	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-10	6	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-10	7	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-10	8	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-10	9	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-10	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-10	11	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-10	12	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-10	13	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-10	14	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-10	15	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-10	16	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-10	17	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-10	18	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-10	19	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-10	20	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-10	21	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-11	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-11	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-11	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-11	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-11	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-11	6	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-11	7	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-11	8	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-11	9	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
414-11	10	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-11	11	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-11	12	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-11	13	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-11	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-11	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-11	16	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-11	17	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-11	18	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-11	19	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-11	20	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-11	21	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-12	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-12	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-12	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-12	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-12	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-12	6	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-12	7	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-12	8	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-12	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-12	10	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-12	11	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-12	12	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-12	13	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-12	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-12	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-12	16	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-12	17	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-12	18	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-12	19	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-12	20	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-12	21	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-13	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-13	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-13	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-13	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-13	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-13	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-13	7	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-13	8	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-13	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-13	10	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-13	11	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-13	12	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-13	13	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-13	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-13	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-13	16	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-13	17	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-13	18	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-13	19	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-13	20	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-13	21	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-14	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-14	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-14	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-14	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-14	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-14	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-14	7	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-14	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-14	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-14	10	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-14	11	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-14	12	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-14	13	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-14	14	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-14	15	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-14	16	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-14	17	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-14	18	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-14	19	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-14	20	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-14	21	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-15	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-15	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-15	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-15	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-15	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-15	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-15	7	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-15	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-15	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-15	10	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
414-15	11	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-15	12	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-15	13	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-15	14	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
414-15	15	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-15	16	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-15	17	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-15	18	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-15	19	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-15	20	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
414-15	21	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
415-01	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
415-01	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
415-01	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
415-01	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
415-01	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
415-01	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
415-01	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
415-01	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
415-01	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
415-01	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
415-01	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
415-01	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
415-01	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
415-01	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
415-01	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
415-01	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
415-01	17	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
415-01	18	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
415-01	19	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
415-01	20	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
415-01	21	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
415-02	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
415-02	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
415-02	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
415-02	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
415-02	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
415-02	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
415-02	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
415-02	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
415-02	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
415-02	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
415-02	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
415-02	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
415-02	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
415-02	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
415-02	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
415-02	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
415-02	17	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
415-02	18	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
415-02	19	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
415-02	20	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
415-02	21	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-01	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-01	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-01	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-01	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-01	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-01	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-01	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-01	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-01	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-01	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-01	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-01	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-01	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-01	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-01	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-01	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-01	17	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-01	18	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-01	19	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-01	20	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-01	21	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-02	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-02	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-02	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-02	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-02	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-02	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-02	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-02	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-02	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-02	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-02	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
419-02	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-02	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-02	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-02	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-02	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-02	17	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-02	18	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-02	19	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-02	20	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-02	21	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-03	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-03	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-03	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-03	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-03	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-03	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-03	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-03	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-03	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-03	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-03	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-03	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-03	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-03	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-03	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-03	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-03	17	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-03	18	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-03	19	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-03	20	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-03	21	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-04	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-04	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-04	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-04	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-04	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-04	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-04	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-04	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-04	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-04	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-04	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-04	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-04	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-04	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-04	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-04	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-04	17	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-04	18	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-04	19	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-04	20	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-04	21	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-05	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-05	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-05	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-05	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-05	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-05	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-05	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-05	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-05	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-05	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-05	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-05	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-05	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-05	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-05	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-05	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-05	17	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-05	18	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-05	19	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-05	20	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-05	21	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-06	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-06	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-06	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-06	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-06	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-06	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-06	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-06	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-06	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-06	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-06	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-06	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
419-06	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-06	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-06	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-06	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-06	17	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-06	18	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-06	19	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-06	20	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-06	21	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-07	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-07	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-07	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-07	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-07	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-07	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-07	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-07	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-07	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-07	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-07	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-07	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-07	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-07	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-07	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-07	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-07	17	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-07	18	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-07	19	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-07	20	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-07	21	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-08	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-08	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-08	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-08	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-08	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-08	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-08	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-08	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-08	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-08	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-08	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-08	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-08	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-08	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-08	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-08	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-08	17	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-08	18	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-08	19	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-08	20	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-08	21	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-09	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-09	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-09	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-09	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-09	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-09	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-09	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-09	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-09	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-09	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-09	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-09	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-09	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-09	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-09	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-09	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-09	17	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-09	18	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-09	19	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-09	20	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-09	21	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-10	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-10	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-10	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-10	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-10	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-10	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-10	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-10	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-10	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-10	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-10	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-10	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-10	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
419-10	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-10	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-10	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-10	17	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-10	18	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-10	19	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-10	20	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-10	21	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-11	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-11	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-11	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-11	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-11	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-11	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-11	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-11	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-11	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-11	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-11	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-11	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-11	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-11	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-11	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-11	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-11	17	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-11	18	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-11	19	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-11	20	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-11	21	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-12	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-12	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-12	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-12	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-12	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-12	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-12	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-12	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-12	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-12	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
419-12	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
419-12	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
419-12	13	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
419-12	14	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
419-12	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-12	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-12	17	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-12	18	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-12	19	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-12	20	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-12	21	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-13	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-13	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-13	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
419-13	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-13	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-13	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-13	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-13	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-13	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-13	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-13	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-13	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-13	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-13	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-13	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-13	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-13	17	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-13	18	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-13	19	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-13	20	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
419-13	21	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-01	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-01	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-01	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-01	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-01	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-01	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-01	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-01	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-01	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-01	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-01	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-01	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-01	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-01	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
420-01	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-01	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-01	17	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-01	18	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-01	19	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-01	20	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-01	21	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-01	22	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-02	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-02	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-02	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-02	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-02	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-02	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-02	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-02	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-02	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-02	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-02	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-02	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-02	13	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
420-02	14	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
420-02	15	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
420-02	16	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
420-02	17	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
420-02	18	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
420-02	19	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
420-02	20	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
420-02	21	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
420-02	22	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
420-03	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-03	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-03	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-03	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-03	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-03	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-03	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-03	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-03	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-03	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-03	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-03	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-03	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-03	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-03	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-03	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-03	17	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-03	18	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-03	19	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-03	20	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-03	21	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-03	22	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-04	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-04	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-04	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-04	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-04	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-04	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-04	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-04	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-04	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-04	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-04	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-04	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-04	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-04	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-04	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-04	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-04	17	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-04	18	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-04	19	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-04	20	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-04	21	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-04	22	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-05	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-05	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-05	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-05	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-05	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-05	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-05	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-05	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-05	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-05	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-05	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
420-05	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-05	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-05	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-05	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-05	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-05	17	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-05	18	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-05	19	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-05	20	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-05	21	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-05	22	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-06	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-06	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-06	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-06	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-06	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-06	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-06	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-06	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-06	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-06	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-06	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-06	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-06	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-06	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-06	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-06	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-06	17	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-06	18	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-06	19	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-06	20	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-06	21	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-06	22	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-07	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-07	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-07	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-07	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-07	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-07	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-07	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-07	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-07	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-07	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-07	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-07	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-07	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-07	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-07	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-07	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-07	17	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-07	18	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-07	19	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-07	20	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-07	21	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-07	22	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-08	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-08	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-08	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-08	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-08	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-08	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-08	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-08	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-08	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-08	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-08	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-08	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-08	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-08	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-08	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-08	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-08	17	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-08	18	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-08	19	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-08	20	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-08	21	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-08	22	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-09	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-09	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-09	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-09	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-09	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-09	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-09	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-09	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A) (Day/Evening)	Noise Criteria, Leq (30min) dB(A) (Night-time)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
420-09	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-09	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-09	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-09	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-09	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-09	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-09	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-09	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-09	17	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-09	18	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-09	19	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-09	20	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-09	21	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-09	22	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-10	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-10	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-10	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-10	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-10	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-10	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-10	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-10	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-10	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-10	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-10	11	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-10	12	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-10	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-10	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-10	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-10	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-10	17	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-10	18	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-10	19	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-10	20	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-10	21	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-10	22	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-11	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-11	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-11	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-11	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-11	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-11	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-11	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-11	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-11	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-11	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-11	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-11	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-11	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-11	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-11	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-11	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-11	17	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-11	18	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-11	19	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-11	20	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-11	21	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-11	22	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-12	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-12	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-12	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-12	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-12	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-12	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-12	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-12	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-12	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-12	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-12	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-12	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-12	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-12	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-12	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-12	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-12	17	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-12	18	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-12	19	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-12	20	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-12	21	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-12	22	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-13	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-13	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-13	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-13	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-13	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
420-13	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-13	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-13	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-13	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-13	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-13	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-13	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-13	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-13	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-13	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-13	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-13	17	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-13	18	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-13	19	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-13	20	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-13	21	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-13	22	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
420-14	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-14	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-14	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-14	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-14	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-14	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-14	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-14	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-14	9	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-14	10	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-14	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-14	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-14	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-14	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-14	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-14	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-14	17	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-14	18	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-14	19	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-14	20	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-14	21	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-14	22	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-15	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-15	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-15	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-15	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-15	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-15	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-15	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-15	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-15	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-15	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-15	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-15	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-15	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-15	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-15	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-15	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-15	17	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-15	18	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-15	19	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-15	20	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
420-15	21	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
420-15	22	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
420-16	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-16	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-16	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-16	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-16	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-16	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-16	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-16	8	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-16	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-16	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-16	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-16	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-16	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-16	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-16	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-16	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-16	17	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-16	18	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-16	19	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-16	20	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-16	21	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
420-16	22	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
420-17	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-17	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
420-17	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-17	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-17	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-17	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-17	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-17	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-17	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-17	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-17	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-17	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-17	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-17	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-17	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-17	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-17	17	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
420-17	18	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
420-17	19	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
420-17	20	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
420-17	21	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
420-17	22	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
420-18	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-18	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-18	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-18	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-18	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-18	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-18	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-18	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-18	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-18	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-18	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-18	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-18	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-18	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-18	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-18	16	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
420-18	17	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
420-18	18	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
420-18	19	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
420-18	20	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
420-18	21	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
420-18	22	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
420-19	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-19	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-19	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-19	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-19	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-19	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
420-19	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-19	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-19	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-19	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-19	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-19	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-19	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-19	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-19	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-19	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-19	17	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-19	18	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-19	19	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
420-19	20	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
420-19	21	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
420-19	22	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-01	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-01	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-01	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-01	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-01	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-01	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-01	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-01	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-01	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-01	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-01	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-01	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-01	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-01	14	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-01	15	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-01	16	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-01	17	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-01	18	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-01	19	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-01	20	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-01	21	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
421-01	22	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-02	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
421-02	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
421-02	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
421-02	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-02	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-02	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-02	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-02	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-02	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-02	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-02	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-02	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-02	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-02	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-02	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-02	16	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-02	17	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-02	18	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-02	19	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-02	20	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-02	21	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-02	22	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-03	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
421-03	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
421-03	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
421-03	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
421-03	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-03	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-03	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-03	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-03	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-03	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-03	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-03	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-03	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-03	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-03	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-03	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-03	17	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-03	18	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-03	19	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-03	20	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-03	21	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-03	22	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-04	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
421-04	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
421-04	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
421-04	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
421-04	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
421-04	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-04	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-04	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-04	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-04	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-04	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-04	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-04	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-04	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-04	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-04	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-04	17	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-04	18	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-04	19	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-04	20	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-04	21	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-04	22	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-05	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
421-05	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
421-05	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
421-05	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
421-05	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
421-05	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
421-05	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-05	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-05	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-05	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-05	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-05	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-05	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-05	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-05	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-05	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-05	17	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-05	18	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
421-05	19	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-05	20	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-05	21	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-05	22	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-06	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
421-06	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
421-06	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
421-06	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
421-06	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
421-06	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
421-06	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
421-06	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-06	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-06	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-06	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-06	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-06	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-06	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-06	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-06	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-06	17	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-06	18	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-06	19	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-06	20	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-06	21	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-06	22	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-07	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
421-07	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
421-07	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
421-07	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
421-07	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
421-07	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-07	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-07	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-07	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-07	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-07	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-07	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-07	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-07	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-07	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-07	16	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-07	17	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-07	18	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-07	19	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-07	20	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-07	21	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-07	22	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-08	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
421-08	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
421-08	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
421-08	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-08	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-08	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-08	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-08	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-08	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-08	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-08	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-08	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-08	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-08	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-08	15	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-08	16	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-08	17	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-08	18	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-08	19	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-08	20	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-08	21	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-08	22	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-09	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
421-09	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
421-09	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
421-09	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-09	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-09	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-09	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-09	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-09	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-09	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-09	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-09	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-09	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-09	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-09	15	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A) (Day/Evening)	Noise Criteria, Leq (30min) dB(A) (Night-time)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
421-09	16	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-09	17	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-09	18	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-09	19	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-09	20	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-09	21	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-09	22	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-10	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-10	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-10	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-10	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-10	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-10	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-10	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-10	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-10	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-10	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-10	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-10	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-10	13	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-10	14	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-10	15	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-10	16	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-10	17	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-10	18	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-10	19	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-10	20	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-10	21	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-10	22	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
421-11	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-11	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-11	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-11	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-11	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-11	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-11	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-11	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-11	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-11	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-11	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-11	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-11	13	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-11	14	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-11	15	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-11	16	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-11	17	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-11	18	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-11	19	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-11	20	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-11	21	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-11	22	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
421-12	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-12	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-12	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-12	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-12	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-12	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-12	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-12	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-12	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-12	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-12	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-12	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-12	13	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-12	14	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-12	15	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-12	16	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-12	17	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-12	18	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-12	19	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-12	20	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-12	21	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-12	22	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
421-13	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-13	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-13	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-13	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-13	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-13	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-13	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-13	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-13	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-13	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-13	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-13	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A) (Day/Evening)	Noise Criteria, Leq (30min) dB(A) (Night-time)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
421-13	13	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-13	14	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-13	15	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-13	16	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-13	17	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-13	18	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-13	19	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-13	20	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-13	21	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-13	22	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-14	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-14	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-14	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-14	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-14	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-14	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-14	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-14	8	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-14	9	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-14	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-14	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-14	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-14	13	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-14	14	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-14	15	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-14	16	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-14	17	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-14	18	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-14	19	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-14	20	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-14	21	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-14	22	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-15	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-15	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-15	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-15	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-15	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-15	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-15	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-15	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-15	9	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-15	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-15	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-15	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-15	13	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-15	14	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-15	15	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-15	16	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-15	17	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-15	18	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-15	19	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-15	20	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-15	21	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-15	22	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-16	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-16	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-16	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-16	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-16	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-16	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-16	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-16	8	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-16	9	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-16	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-16	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-16	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-16	13	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-16	14	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-16	15	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-16	16	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-16	17	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-16	18	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-16	19	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-16	20	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-16	21	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-16	22	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-17	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-17	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-17	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-17	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-17	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-17	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-17	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-17	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-17	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
421-17	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-17	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-17	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-17	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
421-17	14	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-17	15	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-17	16	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-17	17	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-17	18	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-17	19	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-17	20	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-17	21	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
421-17	22	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-01	1	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-01	2	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-01	3	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-01	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-01	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-01	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-01	7	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-01	8	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-01	9	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-01	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-01	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-01	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-01	13	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-01	14	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-01	15	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-01	16	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-01	17	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-01	18	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-01	19	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-01	20	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-01	21	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-01	22	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
422-02	1	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-02	2	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-02	3	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-02	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-02	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-02	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-02	7	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-02	8	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-02	9	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-02	10	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
422-02	11	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
422-02	12	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
422-02	13	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
422-02	14	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
422-02	15	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
422-02	16	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
422-02	17	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
422-02	18	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
422-02	19	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
422-02	20	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
422-02	21	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
422-02	22	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
422-03	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-03	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-03	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-03	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-03	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-03	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-03	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-03	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-03	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-03	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-03	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-03	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-03	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-03	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-03	15	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-03	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-03	17	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
422-03	18	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
422-03	19	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
422-03	20	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
422-03	21	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
422-03	22	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
422-04	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-04	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-04	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-04	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-04	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-04	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
422-04	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-04	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-04	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-04	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-04	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-04	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-04	13	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-04	14	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-04	15	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
422-04	16	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
422-04	17	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
422-04	18	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
422-04	19	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
422-04	20	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
422-04	21	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
422-04	22	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
422-05	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-05	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-05	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-05	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-05	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-05	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-05	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-05	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-05	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-05	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-05	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-05	12	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-05	13	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
422-05	14	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
422-05	15	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
422-05	16	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
422-05	17	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
422-05	18	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
422-05	19	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
422-05	20	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
422-05	21	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
422-05	22	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
422-06	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-06	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-06	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-06	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-06	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-06	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-06	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-06	8	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-06	9	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-06	10	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-06	11	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-06	12	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
422-06	13	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
422-06	14	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
422-06	15	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
422-06	16	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
422-06	17	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
422-06	18	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
422-06	19	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
422-06	20	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
422-06	21	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
422-06	22	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
422-07	1	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
422-07	2	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
422-07	3	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
422-07	4	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
422-07	5	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
422-07	6	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
422-07	7	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
422-07	8	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
422-07	9	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
422-07	10	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
422-07	11	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
422-07	12	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
422-07	13	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
422-07	14	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
422-07	15	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
422-07	16	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
422-07	17	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
422-07	18	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
422-07	19	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
422-07	20	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
422-07	21	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
422-07	22	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
422-08	1	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
422-08	2	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
422-08	3	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
422-08	4	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
422-08	5	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
422-08	6	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
422-08	7	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
422-08	8	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
422-08	9	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
422-08	10	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
422-08	11	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
422-08	12	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
422-08	13	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
422-08	14	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
422-08	15	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
422-08	16	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
422-08	17	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
422-08	18	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
422-08	19	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
422-08	20	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
422-08	21	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
422-08	22	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
422-09	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-09	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-09	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-09	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-09	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-09	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-09	7	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-09	8	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-09	9	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-09	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-09	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-09	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-09	13	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-09	14	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-09	15	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-09	16	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-09	17	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-09	18	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-09	19	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-09	20	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-09	21	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-09	22	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
422-10	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-10	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-10	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-10	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-10	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-10	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-10	7	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-10	8	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-10	9	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-10	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-10	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-10	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-10	13	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-10	14	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-10	15	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-10	16	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-10	17	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-10	18	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-10	19	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-10	20	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-10	21	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
422-10	22	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
422-11	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-11	2	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-11	3	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-11	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-11	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-11	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-11	7	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-11	8	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-11	9	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-11	10	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-11	11	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-11	12	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-11	13	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-11	14	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-11	15	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-11	16	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-11	17	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-11	18	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-11	19	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
422-11	20	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-11	21	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
422-11	22	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
422-12	1	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
422-12	2	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
422-12	3	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
422-12	4	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
422-12	5	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
422-12	6	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
422-12	7	Negligible[1]	55	55	Negligible[1]	55	55	70	60	No
422-12	8	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
422-12	9	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
422-12	10	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
422-12	11	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
422-12	12	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
422-12	13	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
422-12	14	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
422-12	15	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
422-12	16	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
422-12	17	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
422-12	18	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
422-12	19	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
422-12	20	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
422-12	21	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
422-12	22	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
501-01	1	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
501-01	2	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
501-01	3	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
501-01	4	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
501-01	5	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
501-01	6	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
501-01	7	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
501-02	1	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
501-02	2	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
501-02	3	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
501-02	4	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
501-02	5	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
501-02	6	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
501-02	7	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
501-03	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
501-03	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
501-03	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
501-03	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
501-03	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
501-03	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
501-03	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
501-04	1	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
501-04	2	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
501-04	3	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
501-04	4	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
501-04	5	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
501-04	6	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
501-04	7	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
501-05	1	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
501-05	2	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
501-05	3	Negligible[1]	43	43	Negligible[1]	43	43	70	60	No
501-05	4	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
501-05	5	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
501-05	6	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
501-05	7	Negligible[1]	42	42	Negligible[1]	42	42	70	60	No
601-01	1	Negligible[1]	45	45	Negligible[1]	45	45	65	55	No
601-01	2	Negligible[1]	45	45	Negligible[1]	45	45	65	55	No
601-01	3	Negligible[1]	45	45	Negligible[1]	45	45	65	55	No
601-01	4	Negligible[1]	45	45	Negligible[1]	45	45	65	55	No
601-01	5	Negligible[1]	45	45	Negligible[1]	45	45	65	55	No
601-01	6	Negligible[1]	45	45	Negligible[1]	45	45	65	55	No
601-01	7	Negligible[1]	45	45	Negligible[1]	45	45	65	55	No
601-02	1	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
601-02	2	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
601-02	3	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
601-02	4	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
601-02	5	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
601-02	6	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
601-02	7	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
601-03	1	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
601-03	2	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
601-03	3	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
601-03	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
601-03	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
601-03	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
601-03	7	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
601-04	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
601-04	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
601-04	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
601-04	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
601-04	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
601-04	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
601-04	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A)	Noise Criteria, Leq (30min) dB(A)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)			(Day/Evening)	(Night-time)	
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
601-05	1	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
601-05	2	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
601-05	3	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
601-05	4	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
601-05	5	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
601-05	6	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
601-05	7	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
601-06	1	Negligible[1]	49	49	Negligible[1]	49	49	65	55	No
601-06	2	Negligible[1]	49	49	Negligible[1]	49	49	65	55	No
601-06	3	Negligible[1]	49	49	Negligible[1]	49	49	65	55	No
601-06	4	Negligible[1]	49	49	Negligible[1]	49	49	65	55	No
601-06	5	Negligible[1]	49	49	Negligible[1]	49	49	65	55	No
601-06	6	Negligible[1]	49	49	Negligible[1]	49	49	65	55	No
601-06	7	Negligible[1]	48	48	Negligible[1]	48	48	65	55	No
601-07	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
601-07	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
601-07	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
601-07	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
601-07	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
601-07	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
601-07	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
601-08	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
601-08	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
601-08	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
601-08	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
601-08	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
601-08	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
601-08	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
601-09	1	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
601-09	2	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
601-09	3	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
601-09	4	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
601-09	5	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
601-09	6	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
601-09	7	Negligible[1]	47	47	Negligible[1]	47	47	70	60	No
701-01	1	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
701-01	2	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
701-01	3	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
701-01	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
701-01	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
701-01	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
701-01	7	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
701-02	1	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
701-02	2	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
701-02	3	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
701-02	4	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
701-02	5	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
701-02	6	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
701-02	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
701-03	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
701-03	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
701-03	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
701-03	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
701-03	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
701-03	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
701-03	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
701-04	1	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
701-04	2	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
701-04	3	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
701-04	4	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
701-04	5	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
701-04	6	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
701-04	7	Negligible[1]	48	48	Negligible[1]	48	48	70	60	No
701-05	1	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
701-05	2	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
701-05	3	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
701-05	4	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
701-05	5	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
701-05	6	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
701-05	7	Negligible[1]	51	51	Negligible[1]	51	51	70	60	No
701-06	1	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
701-06	2	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
701-06	3	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
701-06	4	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
701-06	5	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
701-06	6	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
701-06	7	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
701-07	1	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
701-07	2	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
701-07	3	Negligible[1]	52	52	Negligible[1]	52	52	70	60	No
701-07	4	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
701-07	5	Negligible[1]	53	53	Negligible[1]	53	53	70	60	No
701-07	6	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
701-07	7	Negligible[1]	54	54	Negligible[1]	54	54	70	60	No
701-08	1	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No

Appendix 4.19 Cumulative Mitigated Railway Noise Levels (Scenario 4)

NAP	Floor	Predicted Rail Noise Levels, Leq (30min) dB(A)						Noise Criteria, Leq (30min) dB(A) (Day/Evening)	Noise Criteria, Leq (30min) dB(A) (Night-time)	Mitigation Measures Required (Yes/No)
		Daytime/Evening (0700-2300 hours)			Night-time (2300-0700 hours)					
		Train movement associated with SHD operation	TCL & AEL	Total	Train movement associated with SHD operation	TCL & AEL	Total			
701-08	2	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
701-08	3	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
701-08	4	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
701-08	5	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
701-08	6	Negligible[1]	49	49	Negligible[1]	49	49	70	60	No
701-08	7	Negligible[1]	50	50	Negligible[1]	50	50	70	60	No
801-01	1	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
802-01	1	Negligible[1]	57	57	Negligible[1]	57	57	70	60	No
802-02	1	Negligible[1]	56	56	Negligible[1]	56	56	70	60	No
803-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No
804-01	1	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	Negligible[1]	65	55	No

Note:

[1] The rail noise level is predicted to be lower than 40 dB(A).