

## Appendix 4.8.5

## Predicted Noise Level for West Rail and Light Rail (Mitigated)

NSR ID	mPD	Leq,30min, dB(A)		Lmax, dB(A)	Leq, 24-hr, dB(A)
		Daytime	Nighttime		
<b>West Rail</b>					
WR-P5d_1	11.0	42	41	45	37
WR-P5d_2	14.1	42	42	46	38
WR-P5d_3	17.3	43	43	49	40
WR-P5d_4	20.4	45	44	52	43
WR-P5d_5	23.5	47	46	55	46
WR-P5d_6	26.7	49	48	59	49
WR-P5d_7	29.8	50	49	60	50
WR-P5d_8	32.9	51	49	60	50
WR-P5d_9	36.1	51	50	60	51
WR-P5d_10	39.2	51	50	60	51
WR-P5d_11	42.4	51	50	60	51
WR-P5d_12	45.5	51	50	60	51
WR-P5d_13	48.6	51	50	59	51
WR-P5d_14	51.8	51	49	59	51
WR-P5d_15	54.9	51	49	59	51
WR-P5d_16	58.0	50	49	59	50
WR-P5d_17	61.2	50	49	58	50
WR-P5d_18	64.3	50	49	58	50
WR-P5d_19	67.4	50	48	58	50
WR-P5d_20	70.6	50	48	58	50
WR-P5d_21	73.7	50	48	57	49
WR-P5d_22	76.8	49	48	57	49
WR-P5d_23	80.0	49	48	57	49
WR-P5d_24	83.1	49	48	57	49
WR-P5d_25	86.2	49	47	56	49
WR-P5d_26	89.4	49	47	56	49
WR-P5d_27	92.5	48	47	56	48
WR-P5d_28	95.6	48	47	56	48
WR-P5d_29	98.8	48	47	56	48
WR-P5d_30	101.9	48	47	55	48
WR-P5d_31	105.1	48	46	55	48
WR-P5d_32	108.2	48	46	55	48
WR-P5d_33	111.3	47	46	55	47
WR-P5d_34	114.5	47	46	55	47
WR-P5d_35	117.6	47	46	54	47
WR-P5d_36	120.7	47	46	54	47
WR-P5d_37	123.9	47	45	54	47
WR-P5d_38	127.0	47	45	54	47
WR-P5e.1_1	11.0	43	42	49	43
WR-P5e.1_2	14.1	44	43	50	44
WR-P5e.1_3	17.3	45	44	52	45
WR-P5e.1_4	20.4	47	45	54	46
WR-P5e.1_5	23.5	49	47	56	48
WR-P5e.1_6	26.7	50	49	58	50

## Appendix 4.8.5

## Predicted Noise Level for West Rail and Light Rail (Mitigated)

NSR ID	mPD	Leq,30min, dB(A)		Lmax, dB(A)	Leq, 24-hr, dB(A)
		Daytime	Nighttime		
WR-P5e.1_7	29.8	52	51	60	52
WR-P5e.1_8	32.9	53	52	62	53
WR-P5e.1_9	36.1	54	53	62	54
WR-P5e.1_10	39.2	55	53	63	55
WR-P5e.1_11	42.4	55	53	63	55
WR-P5e.1_12	45.5	55	54	63	55
WR-P5e.1_13	48.6	55	54	63	55
WR-P5e.1_14	51.8	55	54	63	55
WR-P5e.1_15	54.9	55	54	63	55
WR-P5e.1_16	58.0	55	54	63	55
WR-P5e.1_17	61.2	55	54	62	55
WR-P5e.1_18	64.3	55	54	62	55
WR-P5e.1_19	67.4	55	54	62	55
WR-P5e.1_20	70.6	55	54	62	55
WR-P5e.1_21	73.7	55	54	62	55
WR-P5e.1_22	76.8	55	54	61	55
WR-P5e.1_23	80.0	55	53	61	55
WR-P5e.1_24	83.1	55	53	61	55
WR-P5e.1_25	86.2	55	53	61	55
WR-P5e.1_26	89.4	55	53	61	55
WR-P5e.1_27	92.5	54	53	61	54
WR-P5e.1_28	95.6	54	53	60	54
WR-P5e.1_29	98.8	54	53	60	54
WR-P5e.1_30	101.9	54	53	60	54
WR-P5e.1_31	105.1	54	53	60	54
WR-P5e.1_32	108.2	54	52	60	54
WR-P5e.1_33	111.3	54	52	59	54
WR-P5e.1_34	114.5	54	52	59	54
WR-P5e.1_35	117.6	53	52	59	54
WR-P5e.1_36	120.7	53	52	59	53
WR-P5e.1_37	123.9	53	52	59	53
WR-P5e.1_38	127.0	53	52	59	53
WR-P5f.1_1	11.0	45	43	51	44
WR-P5f.1_2	14.1	45	44	52	45
WR-P5f.1_3	17.3	47	45	54	46
WR-P5f.1_4	20.4	48	46	55	48
WR-P5f.1_5	23.5	49	48	57	49
WR-P5f.1_6	26.7	51	50	59	51
WR-P5f.1_7	29.8	52	51	61	52
WR-P5f.1_8	32.9	54	53	63	54
WR-P5f.1_9	36.1	55	53	63	55
WR-P5f.1_10	39.2	55	54	64	55
WR-P5f.1_11	42.4	56	54	64	56
WR-P5f.1_12	45.5	56	55	65	56
WR-P5f.1_13	48.6	56	55	65	56

## Appendix 4.8.5

## Predicted Noise Level for West Rail and Light Rail (Mitigated)

NSR ID	mPD	Leq,30min, dB(A)		Lmax, dB(A)	Leq, 24-hr, dB(A)
		Daytime	Nighttime		
WR-P5f.1_14	51.8	56	55	65	57
WR-P5f.1_15	54.9	56	55	65	57
WR-P5f.1_16	58.0	56	55	64	56
WR-P5f.1_17	61.2	56	55	64	56
WR-P5f.1_18	64.3	56	55	64	57
WR-P5f.1_19	67.4	57	55	64	57
WR-P5f.1_20	70.6	57	55	64	57
WR-P5f.1_21	73.7	56	55	64	57
WR-P5f.1_22	76.8	56	55	63	56
WR-P5f.1_23	80.0	56	55	63	56
WR-P5f.1_24	83.1	56	55	63	56
WR-P5f.1_25	86.2	56	55	63	56
WR-P5f.1_26	89.4	56	55	63	56
WR-P5f.1_27	92.5	56	55	63	56
WR-P5f.1_28	95.6	56	54	62	56
WR-P5f.1_29	98.8	56	54	62	56
WR-P5f.1_30	101.9	56	54	62	56
WR-P5f.1_31	105.1	56	54	62	56
WR-P5f.1_32	108.2	56	54	62	56
WR-P5f.1_33	111.3	55	54	62	55
WR-P5f.1_34	114.5	55	54	61	55
WR-P5f.1_35	117.6	55	54	61	55
WR-P5f.1_36	120.7	55	54	61	55
WR-P5f.1_37	123.9	55	54	61	55
WR-P5f.1_38	127.0	55	53	61	55
WR-P7b_1	13.0	45	44	48	45
WR-P7b_2	16.4	46	45	49	46
WR-P7b_3	19.9	47	46	50	47
WR-P7b_4	23.3	48	47	52	48
WR-P7b_5	26.7	50	48	53	50
WR-P7b_6	30.2	51	50	55	51
WR-P7b_7	33.6	52	50	56	52
WR-P7b_8	37.0	53	52	58	53
WR-P7b_9	40.5	54	53	59	55
WR-P7b_10	43.9	55	54	60	55
WR-P7b_11	47.3	56	54	60	56
WR-P7b_12	50.8	56	55	60	56
WR-P7b_13	54.2	56	55	61	56
WR-P7b_14	57.7	57	55	61	57
WR-P7b_15	61.1	57	55	61	57
WR-P7b_16	64.5	57	55	61	57
WR-P7b_17	68.0	57	55	61	57
WR-P7b_18	71.4	57	55	61	57
WR-P7b_19	74.8	57	55	60	57
WR-P7b_20	78.3	57	55	60	57

## Appendix 4.8.5

## Predicted Noise Level for West Rail and Light Rail (Mitigated)

NSR ID	mPD	Leq,30min, dB(A)		Lmax, dB(A)	Leq, 24-hr, dB(A)
		Daytime	Nighttime		
WR-P7b_21	81.7	57	55	60	57
WR-P7b_22	85.1	57	55	60	57
WR-P7b_23	88.6	57	55	60	57
WR-P7b_24	92.0	57	55	60	57
WR-P7b_25	95.4	57	55	60	57
WR-P7b_26	98.9	57	55	59	57
WR-P7b_27	102.3	57	55	59	57
WR-P7b_28	105.7	57	55	59	57
WR-P7b_29	109.2	57	55	59	57
WR-P7b_30	112.6	56	55	59	57
WR-P7b_31	116.0	56	55	59	56
WR-P7b_32	119.5	56	55	58	56
WR-P7b_33	122.9	56	55	58	56
WR-P7b_34	126.3	56	55	58	56
WR-P7b_35	129.8	56	55	58	56
WR-P7b_36	133.2	56	55	58	56
WR-P7b_37	136.7	56	54	58	56
WR-P7b_38	140.1	56	54	57	56
WR-P7b_39	143.5	56	54	57	56
WR-P7b_40	147.0	56	54	57	56
WR-P7b_41	150.4	56	54	57	56
WR-P7b_42	153.8	55	54	57	55
WR-P7b_43	157.3	55	54	57	55
WR-P7b_44	160.7	55	54	56	55
WR-P7b_45	164.1	55	54	56	55
WR-P7b_46	167.6	55	54	56	55
WR-P7b_47	171.0	55	53	56	55
WR-P7c_1	13.0	45	43	48	45
WR-P7c_2	16.4	45	44	49	45
WR-P7c_3	19.9	46	45	50	46
WR-P7c_4	23.3	47	46	51	47
WR-P7c_5	26.7	48	47	53	48
WR-P7c_6	30.2	50	48	54	50
WR-P7c_7	33.6	51	49	56	51
WR-P7c_8	37.0	51	50	56	52
WR-P7c_9	40.5	53	51	58	53
WR-P7c_10	43.9	54	52	59	54
WR-P7c_11	47.3	54	53	59	54
WR-P7c_12	50.8	55	53	60	55
WR-P7c_13	54.2	55	54	60	55
WR-P7c_14	57.7	55	54	60	55
WR-P7c_15	61.1	55	54	60	56
WR-P7c_16	64.5	56	54	60	56
WR-P7c_17	68.0	56	54	61	56
WR-P7c_18	71.4	56	54	60	56

## Appendix 4.8.5

## Predicted Noise Level for West Rail and Light Rail (Mitigated)

NSR ID	mPD	Leq,30min, dB(A)		Lmax, dB(A)	Leq, 24-hr, dB(A)
		Daytime	Nighttime		
WR-P7c_19	74.8	56	54	60	56
WR-P7c_20	78.3	56	54	60	56
WR-P7c_21	81.7	56	54	60	56
WR-P7c_22	85.1	56	54	60	56
WR-P7c_23	88.6	56	54	60	56
WR-P7c_24	92.0	56	54	60	56
WR-P7c_25	95.4	56	54	59	56
WR-P7c_26	98.9	56	54	59	56
WR-P7c_27	102.3	56	54	59	56
WR-P7c_28	105.7	56	54	59	56
WR-P7c_29	109.2	56	54	59	56
WR-P7c_30	112.6	56	54	59	56
WR-P7c_31	116.0	56	54	59	56
WR-P7c_32	119.5	55	54	58	55
WR-P7c_33	122.9	55	54	58	55
WR-P7c_34	126.3	55	54	58	55
WR-P7c_35	129.8	55	54	58	55
WR-P7c_36	133.2	55	54	58	55
WR-P7c_37	136.7	55	54	58	55
WR-P7c_38	140.1	55	54	57	55
WR-P7c_39	143.5	55	53	57	55
WR-P7c_40	147.0	55	53	57	55
WR-P7c_41	150.4	55	53	57	55
WR-P7c_42	153.8	55	53	57	55
WR-P7c_43	157.3	55	53	57	55
WR-P7c_44	160.7	54	53	57	55
WR-P7c_45	164.1	54	53	56	54
WR-P7c_46	167.6	54	53	56	54
WR-P7c_47	171.0	54	53	56	54
WR-P10_1	6.0	48	NA	54	47
WR-P10_2	10.6	49	NA	55	49
WR-P10_3	15.3	50	NA	56	50
WR-P10_4	19.9	52	NA	58	52
WR-P10_5	24.5	55	NA	62	55
WR-P10_6	29.1	59	NA	67	59
WR-P10_7	33.8	62	NA	70	62
WR-P10_8	38.4	63	NA	70	63
WR-P10_9	43.0	63	NA	70	63
<b>Light Rail</b>					
LR-P5a_1	5.0	54	55	61	54
LR-P5a_2	8.4	54	55	61	54
LR-P5a_3	11.9	54	55	60	54
LR-P5a_4	15.3	54	55	60	54
LR-P5a_5	18.7	54	55	60	54
LR-P5a_6	22.1	54	55	60	54

## Appendix 4.8.5

## Predicted Noise Level for West Rail and Light Rail (Mitigated)

NSR ID	mPD	Leq,30min, dB(A)		Lmax, dB(A)	Leq, 24-hr, dB(A)
		Daytime	Nighttime		
LR-P5a_7	25.6	54	54	60	54
LR-P5a_8	29.0	54	54	59	54
LR-P5a_9	32.4	54	54	59	54
LR-P5a_10	35.8	54	54	59	54
LR-P5a_11	39.3	53	54	58	53
LR-P5a_12	42.7	53	54	58	53
LR-P5a_13	46.1	53	53	58	53
LR-P5a_14	49.5	53	53	57	53
LR-P5a_15	53.0	53	53	57	53
LR-P5a_16	56.4	52	53	57	53
LR-P5a_17	59.8	52	53	56	52
LR-P5a_18	63.2	52	53	56	52
LR-P5a_19	66.7	52	52	56	52
LR-P5a_20	70.1	52	52	55	52
LR-P5a_21	73.5	52	52	55	52
LR-P5a_22	76.9	51	52	55	51
LR-P5a_23	80.4	51	52	54	51
LR-P5a_24	83.8	51	52	54	51
LR-P5a_25	87.2	51	51	54	51
LR-P5a_26	90.6	51	51	53	51
LR-P5a_27	94.1	51	51	53	51
LR-P5a_28	97.5	50	51	53	50
LR-P5a_29	100.9	50	51	52	50
LR-P5a_30	104.3	50	51	52	50
LR-P5a_31	107.8	50	50	52	50
LR-P5a_32	111.2	50	50	52	50
LR-P5a_33	114.6	50	50	51	50
LR-P5a_34	118.0	50	50	51	50
LR-P5a_35	121.5	49	50	51	49
LR-P5a_36	124.9	49	50	51	49
LR-P5a_37	128.3	49	50	50	49
LR-P5a_38	131.7	49	49	50	49
LR-P5a_39	135.2	49	49	50	49
LR-P5a_40	138.6	49	49	50	49
LR-P5a_41	142.0	49	49	49	49
LR-P6.1_1	5.0	53	54	63	53
LR-P6.1_2	8.4	53	54	63	53
LR-P6.1_3	11.8	53	54	63	53
LR-P6.1_4	15.3	53	54	63	53
LR-P6.1_5	18.7	53	54	62	53
LR-P6.1_6	22.1	53	54	62	53
LR-P6.1_7	25.5	53	54	62	53
LR-P6.1_8	28.9	53	53	62	53
LR-P6.1_9	32.3	53	53	62	53
LR-P6.1_10	35.8	53	53	62	53

## Appendix 4.8.5

## Predicted Noise Level for West Rail and Light Rail (Mitigated)

NSR ID	mPD	Leq,30min, dB(A)		Lmax, dB(A)	Leq, 24-hr, dB(A)
		Daytime	Nighttime		
LR-P6.1_11	39.2	53	53	61	53
LR-P6.1_12	42.6	52	53	61	53
LR-P6.1_13	46.0	52	53	61	52
LR-P6.1_14	49.4	52	53	60	52
LR-P6.1_15	52.9	52	53	60	52
LR-P6.1_16	56.3	52	52	60	52
LR-P6.1_17	59.7	52	52	60	52
LR-P6.1_18	63.1	52	52	59	52
LR-P6.1_19	66.5	52	52	59	52
LR-P6.1_20	70.0	51	52	59	51
LR-P6.1_21	73.4	51	52	58	51
LR-P6.1_22	76.8	51	52	58	51
LR-P6.1_23	80.2	51	51	58	51
LR-P6.1_24	83.6	51	51	58	51
LR-P6.1_25	87.0	51	51	57	51
LR-P6.1_26	90.5	51	51	57	51
LR-P6.1_27	93.9	50	51	57	50
LR-P6.1_28	97.3	50	51	56	50
LR-P6.1_29	100.7	50	51	56	50
LR-P6.1_30	104.1	50	50	56	50
LR-P6.1_31	107.6	50	50	56	50
LR-P6.1_32	111.0	50	50	55	50
LR-P6.1_33	114.4	50	50	55	50
LR-P6.1_34	117.8	49	50	55	50
LR-P6.1_35	121.2	49	50	55	49
LR-P6.1_36	124.7	49	50	54	49
LR-P6.1_37	128.1	49	50	54	49
LR-P6.1_38	131.5	49	49	54	49
LR-P6.1_39	134.9	49	49	54	49
LR-P6.1_40	138.3	49	49	54	49
LR-P6.1_41	141.7	49	49	53	49
LR-P6.1_42	145.2	49	49	53	49
LR-P6.1_43	148.6	48	49	53	48
LR-P6.1_44	152.0	48	49	53	48
LR-P6.2_1	5.0	53	54	62	53
LR-P6.2_2	8.4	53	54	62	53
LR-P6.2_3	11.8	53	53	62	53
LR-P6.2_4	15.3	53	53	62	53
LR-P6.2_5	18.7	53	53	62	53
LR-P6.2_6	22.1	53	53	62	53
LR-P6.2_7	25.5	53	53	61	53
LR-P6.2_8	28.9	53	53	61	53
LR-P6.2_9	32.3	52	53	61	52
LR-P6.2_10	35.8	52	53	61	52
LR-P6.2_11	39.2	52	53	60	52

## Appendix 4.8.5

## Predicted Noise Level for West Rail and Light Rail (Mitigated)

NSR ID	mPD	Leq,30min, dB(A)		Lmax, dB(A)	Leq, 24-hr, dB(A)
		Daytime	Nighttime		
LR-P6.2_12	42.6	52	52	60	52
LR-P6.2_13	46.0	52	52	60	52
LR-P6.2_14	49.4	52	52	60	52
LR-P6.2_15	52.9	51	52	59	51
LR-P6.2_16	56.3	51	52	59	51
LR-P6.2_17	59.7	51	52	59	51
LR-P6.2_18	63.1	51	51	58	51
LR-P6.2_19	66.5	51	51	58	51
LR-P6.2_20	70.0	51	51	58	51
LR-P6.2_21	73.4	50	51	57	50
LR-P6.2_22	76.8	50	51	57	50
LR-P6.2_23	80.2	50	51	57	50
LR-P6.2_24	83.6	50	50	56	50
LR-P6.2_25	87.0	50	50	56	50
LR-P6.2_26	90.5	50	50	56	50
LR-P6.2_27	93.9	49	50	56	49
LR-P6.2_28	97.3	49	50	55	49
LR-P6.2_29	100.7	49	50	55	49
LR-P6.2_30	104.1	49	49	55	49
LR-P6.2_31	107.6	49	49	54	49
LR-P6.2_32	111.0	49	49	54	49
LR-P6.2_33	114.4	49	49	54	49
LR-P6.2_34	117.8	48	49	54	48
LR-P6.2_35	121.2	48	49	53	48
LR-P6.2_36	124.7	48	49	53	48
LR-P6.2_37	128.1	48	48	53	48
LR-P6.2_38	131.5	48	48	53	48
LR-P6.2_39	134.9	48	48	53	48
LR-P6.2_40	138.3	48	48	52	48
LR-P6.2_41	141.7	48	48	52	48
LR-P6.2_42	145.2	47	48	52	47
LR-P6.2_43	148.6	47	48	52	47
LR-P6.2_44	152.0	47	48	51	47
LR-P6.3_1	5.0	54	55	63	54
LR-P6.3_2	8.4	55	55	61	55
LR-P6.3_3	11.8	55	55	60	55
LR-P6.3_4	15.3	55	55	60	55
LR-P6.3_5	18.7	55	55	60	55
LR-P6.3_6	22.1	55	55	60	55
LR-P6.3_7	25.5	54	55	62	54
LR-P6.3_8	28.9	54	54	62	54
LR-P6.3_9	32.3	54	54	62	54
LR-P6.3_10	35.8	54	54	61	54
LR-P6.3_11	39.2	54	54	61	54
LR-P6.3_12	42.6	53	54	61	53



## Appendix 4.8.5

## Predicted Noise Level for West Rail and Light Rail (Mitigated)

NSR ID	mPD	Leq,30min, dB(A)		Lmax, dB(A)	Leq, 24-hr, dB(A)
		Daytime	Nighttime		
LR-P6.3_13	46.0	53	54	61	53
LR-P6.3_14	49.4	53	54	60	53
LR-P6.3_15	52.9	53	53	60	53
LR-P6.3_16	56.3	53	53	60	53
LR-P6.3_17	59.7	53	53	59	53
LR-P6.3_18	63.1	52	53	59	53
LR-P6.3_19	66.5	52	53	59	52
LR-P6.3_20	70.0	52	53	58	52
LR-P6.3_21	73.4	52	52	58	52
LR-P6.3_22	76.8	52	52	58	52
LR-P6.3_23	80.2	52	52	58	52
LR-P6.3_24	83.6	52	52	57	52
LR-P6.3_25	87.0	51	52	57	51
LR-P6.3_26	90.5	51	52	57	51
LR-P6.3_27	93.9	51	52	56	51
LR-P6.3_28	97.3	51	51	56	51
LR-P6.3_29	100.7	51	51	56	51
LR-P6.3_30	104.1	51	51	56	51
LR-P6.3_31	107.6	51	51	55	51
LR-P6.3_32	111.0	50	51	55	50
LR-P6.3_33	114.4	50	51	55	50
LR-P6.3_34	117.8	50	51	55	50
LR-P6.3_35	121.2	50	50	54	50
LR-P6.3_36	124.7	50	50	54	50
LR-P6.3_37	128.1	50	50	54	50
LR-P6.3_38	131.5	50	50	54	50
LR-P6.3_39	134.9	50	50	53	50
LR-P6.3_40	138.3	49	50	53	49
LR-P6.3_41	141.7	49	50	53	49
LR-P6.3_42	145.2	49	50	53	49
LR-P6.3_43	148.6	49	49	53	49
LR-P6.3_44	152.0	49	49	52	49