

Appendix 4.8.3

Predicted Noise Level for West Rail (Unmitigated)

NSR ID	mPD	Leq,30min, dB(A)		Lmax, dB(A)	Leq, 24-hr, dB(A)
		Daytime	Nighttime		
Planned NSR					
WR-P1_1	10.0	42	41	42	42
WR-P1_2	13.1	43	41	43	43
WR-P1_3	16.2	43	42	43	43
WR-P1_4	19.4	43	42	44	43
WR-P1_5	22.5	44	42	44	44
WR-P1_6	25.6	44	43	45	44
WR-P1_7	28.7	45	44	46	45
WR-P1_8	31.8	46	44	46	46
WR-P1_9	35.0	46	45	47	46
WR-P1_10	38.1	47	45	48	47
WR-P1_11	41.2	47	46	48	47
WR-P1_12	44.3	47	46	49	47
WR-P1_13	47.4	48	46	49	48
WR-P1_14	50.5	49	47	50	49
WR-P1_15	53.7	49	48	51	49
WR-P1_16	56.8	50	48	51	50
WR-P1_17	59.9	50	49	51	50
WR-P1_18	63.0	50	49	52	50
WR-P1_19	66.1	51	49	52	51
WR-P1_20	69.3	51	49	52	51
WR-P1_21	72.4	51	50	52	51
WR-P1_22	75.5	51	50	52	51
WR-P1_23	78.6	51	50	53	51
WR-P1_24	81.7	51	50	53	51
WR-P1_25	84.9	52	50	53	52
WR-P1_26	88.0	52	50	53	52
WR-P1_27	91.1	52	50	53	52
WR-P1_28	94.2	52	50	53	52
WR-P1_29	97.3	52	51	53	52
WR-P1_30	100.5	52	51	53	52
WR-P1_31	103.6	52	51	53	52
WR-P1_32	106.7	52	51	53	52
WR-P1_33	109.8	52	51	53	52
WR-P1_34	112.9	52	51	53	52
WR-P1_35	116.0	52	51	53	52
WR-P1_36	119.2	52	51	53	52
WR-P1_37	122.3	52	51	53	52
WR-P1_38	125.4	52	51	53	52
WR-P1_39	128.5	52	51	53	52
WR-P1_40	131.6	52	51	52	52
WR-P1_41	134.8	52	51	52	52
WR-P1_42	137.9	52	50	52	52
WR-P1_43	141.0	52	51	52	52
WR-P2_1	11.0	42	NA	41	42

Appendix 4.8.3

Predicted Noise Level for West Rail (Unmitigated)

NSR ID	mPD	Leq,30min, dB(A)		Lmax, dB(A)	Leq, 24-hr, dB(A)
		Daytime	Nighttime		
WR-P2_2	15.5	42	NA	42	43
WR-P2_3	20.0	43	NA	42	43
WR-P2_4	24.5	44	NA	43	44
WR-P2_5	29.0	45	NA	44	45
WR-P2_6	33.5	45	NA	45	45
WR-P2_7	38.0	46	NA	46	46
WR-P2_8	42.5	47	NA	47	47
WR-P2_9	47.0	47	NA	48	48
WR-P3_1	11.0	43	41	43	43
WR-P3_2	14.4	43	42	44	43
WR-P3_3	17.7	44	42	45	44
WR-P3_4	21.1	44	43	45	44
WR-P3_5	24.5	45	44	46	45
WR-P3_6	27.8	46	44	47	46
WR-P3_7	31.2	47	45	48	47
WR-P3_8	34.6	48	46	49	48
WR-P3_9	38.0	48	47	50	48
WR-P3_10	41.3	49	47	51	49
WR-P3_11	44.7	50	48	52	50
WR-P3_12	48.1	51	49	53	51
WR-P3_13	51.4	51	50	53	51
WR-P3_14	54.8	52	50	54	52
WR-P3_15	58.2	52	50	54	52
WR-P3_16	61.5	52	51	54	52
WR-P3_17	64.9	52	51	55	52
WR-P3_18	68.3	53	51	55	53
WR-P3_19	71.7	53	51	55	53
WR-P3_20	75.0	53	52	55	53
WR-P3_21	78.4	53	52	55	53
WR-P3_22	81.8	53	52	55	53
WR-P3_23	85.1	53	52	55	53
WR-P3_24	88.5	53	52	55	53
WR-P3_25	91.9	53	52	55	53
WR-P3_26	95.2	53	52	55	53
WR-P3_27	98.6	53	52	55	53
WR-P3_28	102.0	53	52	55	53
WR-P3_29	105.3	53	52	54	53
WR-P3_30	108.7	53	52	54	53
WR-P3_31	112.1	53	52	54	53
WR-P3_32	115.5	53	52	54	54
WR-P3_33	118.8	54	52	54	54
WR-P3_34	122.2	54	52	54	54
WR-P3_35	125.6	54	52	54	54
WR-P3_36	128.9	54	52	54	54
WR-P3_37	132.3	54	52	54	54

Appendix 4.8.3

Predicted Noise Level for West Rail (Unmitigated)

NSR ID	mPD	Leq,30min, dB(A)		Lmax, dB(A)	Leq, 24-hr, dB(A)
		Daytime	Nighttime		
WR-P3_38	135.7	54	52	53	54
WR-P3_39	139.0	54	52	53	54
WR-P3_40	142.4	54	52	53	54
WR-P3_41	145.8	54	52	53	54
WR-P3_42	149.2	53	52	53	54
WR-P3_43	152.5	53	52	53	53
WR-P3_44	155.9	53	52	53	53
WR-P3_45	159.3	53	52	53	53
WR-P3_46	162.6	53	52	52	53
WR-P3_47	166.0	53	52	52	53
WR-P4_1	11.0	50	48	56	49
WR-P4_2	13.7	51	50	58	51
WR-P4_3	16.3	52	51	59	52
WR-P4_4	19.0	54	53	62	54
WR-P5a_1	11.0	42	41	48	40
WR-P5a_2	14.1	42	41	49	41
WR-P5a_3	17.3	43	42	50	42
WR-P5a_4	20.4	45	43	52	44
WR-P5a_5	23.5	46	45	55	46
WR-P5a_6	26.7	48	47	57	48
WR-P5a_7	29.8	50	49	59	50
WR-P5a_8	32.9	52	50	61	51
WR-P5a_9	36.1	52	51	61	52
WR-P5a_10	39.2	53	51	62	53
WR-P5a_11	42.4	53	52	62	53
WR-P5a_12	45.5	53	52	62	53
WR-P5a_13	48.6	53	52	62	53
WR-P5a_14	51.8	53	52	62	53
WR-P5a_15	54.9	53	52	61	53
WR-P5a_16	58.0	53	52	61	53
WR-P5a_17	61.2	53	52	61	53
WR-P5a_18	64.3	53	52	61	53
WR-P5a_19	67.4	53	52	61	53
WR-P5a_20	70.6	53	51	60	53
WR-P5a_21	73.7	53	51	60	53
WR-P5a_22	76.8	53	51	60	53
WR-P5a_23	80.0	53	51	60	53
WR-P5a_24	83.1	52	51	60	52
WR-P5a_25	86.2	52	51	59	52
WR-P5a_26	89.4	52	51	59	52
WR-P5a_27	92.5	52	51	59	52
WR-P5a_28	95.6	52	50	59	52
WR-P5a_29	98.8	52	50	59	52
WR-P5a_30	101.9	52	50	59	52
WR-P5a_31	105.1	51	50	58	52

Appendix 4.8.3

Predicted Noise Level for West Rail (Unmitigated)

NSR ID	mPD	Leq,30min, dB(A)		Lmax, dB(A)	Leq, 24-hr, dB(A)
		Daytime	Nighttime		
WR-P5a_32	108.2	51	50	58	51
WR-P5a_33	111.3	51	50	58	51
WR-P5a_34	114.5	51	50	58	51
WR-P5a_35	117.6	51	50	58	51
WR-P5a_36	120.7	51	49	57	51
WR-P5a_37	123.9	51	49	57	51
WR-P5a_38	127.0	51	49	57	51
WR-P5b_1	11.0	41	40	49	40
WR-P5b_2	14.1	42	41	51	41
WR-P5b_3	17.3	43	42	52	42
WR-P5b_4	20.4	44	43	54	44
WR-P5b_5	23.5	46	45	57	46
WR-P5b_6	26.7	48	46	59	48
WR-P5b_7	29.8	50	49	61	50
WR-P5b_8	32.9	51	50	62	51
WR-P5b_9	36.1	52	50	63	52
WR-P5b_10	39.2	52	51	63	52
WR-P5b_11	42.4	52	51	64	52
WR-P5b_12	45.5	53	51	64	53
WR-P5b_13	48.6	52	51	63	52
WR-P5b_14	51.8	53	51	63	52
WR-P5b_15	54.9	53	51	63	53
WR-P5b_16	58.0	53	51	63	53
WR-P5b_17	61.2	53	51	63	53
WR-P5b_18	64.3	52	51	62	52
WR-P5b_19	67.4	52	51	62	52
WR-P5b_20	70.6	52	51	62	52
WR-P5b_21	73.7	52	51	62	52
WR-P5b_22	76.8	52	51	62	52
WR-P5b_23	80.0	52	50	61	52
WR-P5b_24	83.1	52	50	61	52
WR-P5b_25	86.2	52	50	61	52
WR-P5b_26	89.4	51	50	61	52
WR-P5b_27	92.5	51	50	61	51
WR-P5b_28	95.6	51	50	61	51
WR-P5b_29	98.8	51	50	60	51
WR-P5b_30	101.9	51	50	60	51
WR-P5b_31	105.1	51	49	60	51
WR-P5b_32	108.2	51	49	60	51
WR-P5b_33	111.3	51	49	60	51
WR-P5b_34	114.5	50	49	59	50
WR-P5b_35	117.6	50	49	59	50
WR-P5b_36	120.7	50	49	59	50
WR-P5b_37	123.9	50	49	59	50
WR-P5b_38	127.0	50	48	59	50

Appendix 4.8.3

Predicted Noise Level for West Rail (Unmitigated)

NSR ID	mPD	Leq,30min, dB(A)		Lmax, dB(A)	Leq, 24-hr, dB(A)
		Daytime	Nighttime		
WR-P5c_1	11.0	39	39	45	36
WR-P5c_2	14.1	40	39	47	37
WR-P5c_3	17.3	40	40	48	38
WR-P5c_4	20.4	42	41	51	40
WR-P5c_5	23.5	43	42	53	42
WR-P5c_6	26.7	44	43	55	44
WR-P5c_7	29.8	46	45	57	46
WR-P5c_8	32.9	48	46	59	47
WR-P5c_9	36.1	48	47	59	48
WR-P5c_10	39.2	49	47	60	48
WR-P5c_11	42.4	49	47	60	49
WR-P5c_12	45.5	49	48	60	49
WR-P5c_13	48.6	49	47	60	49
WR-P5c_14	51.8	49	47	60	49
WR-P5c_15	54.9	49	47	59	49
WR-P5c_16	58.0	49	47	59	49
WR-P5c_17	61.2	49	47	59	49
WR-P5c_18	64.3	49	47	59	49
WR-P5c_19	67.4	49	47	59	49
WR-P5c_20	70.6	49	47	58	49
WR-P5c_21	73.7	48	47	58	48
WR-P5c_22	76.8	48	47	58	48
WR-P5c_23	80.0	48	47	58	48
WR-P5c_24	83.1	48	47	58	48
WR-P5c_25	86.2	48	47	57	48
WR-P5c_26	89.4	48	46	57	48
WR-P5c_27	92.5	48	46	57	48
WR-P5c_28	95.6	48	46	57	48
WR-P5c_29	98.8	47	46	57	47
WR-P5c_30	101.9	47	46	56	47
WR-P5c_31	105.1	47	46	56	47
WR-P5c_32	108.2	47	46	56	47
WR-P5c_33	111.3	47	45	56	47
WR-P5c_34	114.5	47	45	56	47
WR-P5c_35	117.6	47	45	56	47
WR-P5c_36	120.7	46	45	55	46
WR-P5c_37	123.9	46	45	55	46
WR-P5c_38	127.0	46	45	55	46
WR-P5d_1	11.0	45	44	51	44
WR-P5d_2	14.1	46	45	53	45
WR-P5d_3	17.3	48	47	55	47
WR-P5d_4	20.4	50	49	58	50
WR-P5d_5	23.5	53	51	62	53
WR-P5d_6	26.7	56	54	65	55
WR-P5d_7	29.8	57	55	66	57

Appendix 4.8.3

Predicted Noise Level for West Rail (Unmitigated)

NSR ID	mPD	Leq,30min, dB(A)		Lmax, dB(A)	Leq, 24-hr, dB(A)
		Daytime	Nighttime		
WR-P5d_8	32.9	57	56	67	57
WR-P5d_9	36.1	58	56	67	58
WR-P5d_10	39.2	58	56	66	58
WR-P5d_11	42.4	58	56	66	58
WR-P5d_12	45.5	58	56	66	58
WR-P5d_13	48.6	58	56	66	58
WR-P5d_14	51.8	58	56	65	58
WR-P5d_15	54.9	58	56	65	58
WR-P5d_16	58.0	57	56	65	57
WR-P5d_17	61.2	57	56	65	57
WR-P5d_18	64.3	57	56	64	57
WR-P5d_19	67.4	57	55	64	57
WR-P5d_20	70.6	57	55	64	57
WR-P5d_21	73.7	56	55	64	56
WR-P5d_22	76.8	56	55	63	56
WR-P5d_23	80.0	56	55	63	56
WR-P5d_24	83.1	56	54	63	56
WR-P5d_25	86.2	56	54	63	56
WR-P5d_26	89.4	56	54	63	56
WR-P5d_27	92.5	55	54	62	55
WR-P5d_28	95.6	55	54	62	55
WR-P5d_29	98.8	55	54	62	55
WR-P5d_30	101.9	55	53	62	55
WR-P5d_31	105.1	55	53	62	55
WR-P5d_32	108.2	55	53	61	55
WR-P5d_33	111.3	54	53	61	54
WR-P5d_34	114.5	54	53	61	54
WR-P5d_35	117.6	54	53	61	54
WR-P5d_36	120.7	54	53	61	54
WR-P5d_37	123.9	54	52	60	54
WR-P5d_38	127.0	54	52	60	54
WR-P5e_1	11.0	46	45	51	45
WR-P5e_2	14.1	47	45	52	46
WR-P5e_3	17.3	48	47	54	48
WR-P5e_4	20.4	50	48	56	49
WR-P5e_5	23.5	52	50	59	52
WR-P5e_6	26.7	53	52	61	53
WR-P5e_7	29.8	56	54	63	56
WR-P5e_8	32.9	57	55	64	57
WR-P5e_9	36.1	57	56	65	57
WR-P5e_10	39.2	58	56	65	58
WR-P5e_11	42.4	58	57	65	58
WR-P5e_12	45.5	58	57	65	58
WR-P5e_13	48.6	58	57	65	58
WR-P5e_14	51.8	58	57	65	58

Appendix 4.8.3

Predicted Noise Level for West Rail (Unmitigated)

NSR ID	mPD	Leq,30min, dB(A)		Lmax, dB(A)	Leq, 24-hr, dB(A)
		Daytime	Nighttime		
WR-P5e_15	54.9	58	57	65	58
WR-P5e_16	58.0	58	57	65	58
WR-P5e_17	61.2	58	57	64	58
WR-P5e_18	64.3	58	57	64	58
WR-P5e_19	67.4	58	57	64	58
WR-P5e_20	70.6	58	56	64	58
WR-P5e_21	73.7	58	56	64	58
WR-P5e_22	76.8	58	56	63	58
WR-P5e_23	80.0	58	56	63	58
WR-P5e_24	83.1	57	56	63	57
WR-P5e_25	86.2	57	56	63	57
WR-P5e_26	89.4	57	56	63	57
WR-P5e_27	92.5	57	56	62	57
WR-P5e_28	95.6	57	55	62	57
WR-P5e_29	98.8	57	55	62	57
WR-P5e_30	101.9	57	55	62	57
WR-P5e_31	105.1	57	55	62	57
WR-P5e_32	108.2	56	55	61	56
WR-P5e_33	111.3	56	55	61	56
WR-P5e_34	114.5	56	55	61	56
WR-P5e_35	117.6	56	55	61	56
WR-P5e_36	120.7	56	54	61	56
WR-P5e_37	123.9	56	54	61	56
WR-P5e_38	127.0	56	54	60	56
WR-P5f_1	11.0	47	45	52	47
WR-P5f_2	14.1	48	46	53	47
WR-P5f_3	17.3	49	47	54	49
WR-P5f_4	20.4	50	49	56	50
WR-P5f_5	23.5	52	51	58	52
WR-P5f_6	26.7	54	52	60	54
WR-P5f_7	29.8	55	54	62	55
WR-P5f_8	32.9	57	55	64	57
WR-P5f_9	36.1	58	56	65	58
WR-P5f_10	39.2	58	57	65	58
WR-P5f_11	42.4	58	57	65	58
WR-P5f_12	45.5	59	57	66	59
WR-P5f_13	48.6	59	57	66	59
WR-P5f_14	51.8	59	57	66	59
WR-P5f_15	54.9	59	57	65	59
WR-P5f_16	58.0	59	57	65	59
WR-P5f_17	61.2	59	57	65	59
WR-P5f_18	64.3	59	58	65	59
WR-P5f_19	67.4	59	57	65	59
WR-P5f_20	70.6	59	57	65	59
WR-P5f_21	73.7	59	57	64	59

Appendix 4.8.3

Predicted Noise Level for West Rail (Unmitigated)

NSR ID	mPD	Leq,30min, dB(A)		Lmax, dB(A)	Leq, 24-hr, dB(A)
		Daytime	Nighttime		
WR-P5f_22	76.8	59	57	64	59
WR-P5f_23	80.0	59	57	64	59
WR-P5f_24	83.1	59	57	64	59
WR-P5f_25	86.2	59	57	64	59
WR-P5f_26	89.4	58	57	63	58
WR-P5f_27	92.5	58	57	63	58
WR-P5f_28	95.6	58	57	63	58
WR-P5f_29	98.8	58	57	63	58
WR-P5f_30	101.9	58	57	63	58
WR-P5f_31	105.1	58	56	63	58
WR-P5f_32	108.2	58	56	62	58
WR-P5f_33	111.3	58	56	62	58
WR-P5f_34	114.5	58	56	62	58
WR-P5f_35	117.6	57	56	62	57
WR-P5f_36	120.7	57	56	62	57
WR-P5f_37	123.9	57	56	62	57
WR-P5f_38	127.0	57	56	61	57
WR-P6a_1	12.0	39	38	40	37
WR-P6a_2	15.5	39	38	40	37
WR-P6a_3	18.9	39	38	40	38
WR-P6a_4	22.4	40	39	40	38
WR-P6a_5	25.8	40	39	41	39
WR-P6a_6	29.3	41	40	42	40
WR-P6a_7	32.8	43	41	44	42
WR-P6a_8	36.2	43	42	45	43
WR-P6a_9	39.7	44	43	45	44
WR-P6a_10	43.1	45	43	46	44
WR-P6a_11	46.6	45	44	47	45
WR-P6a_12	50.0	46	44	48	45
WR-P6a_13	53.5	46	45	49	46
WR-P6a_14	57.0	47	46	51	47
WR-P6a_15	60.4	48	47	53	48
WR-P6a_16	63.9	49	48	54	49
WR-P6a_17	67.3	51	49	55	51
WR-P6a_18	70.8	51	50	56	51
WR-P6a_19	74.3	52	50	57	52
WR-P6a_20	77.7	52	51	57	52
WR-P6a_21	81.2	52	51	57	52
WR-P6a_22	84.6	52	51	57	52
WR-P6a_23	88.1	52	51	57	52
WR-P6a_24	91.5	52	51	57	52
WR-P6a_25	95.0	52	51	57	52
WR-P6a_26	98.5	52	51	57	52
WR-P6a_27	101.9	52	51	57	52
WR-P6a_28	105.4	52	51	57	52

Appendix 4.8.3

Predicted Noise Level for West Rail (Unmitigated)

NSR ID	mPD	Leq,30min, dB(A)		Lmax, dB(A)	Leq, 24-hr, dB(A)
		Daytime	Nighttime		
WR-P6a_29	108.8	52	50	57	52
WR-P6a_30	112.3	52	50	56	52
WR-P6a_31	115.8	52	50	56	52
WR-P6a_32	119.2	52	50	56	52
WR-P6a_33	122.7	51	50	56	51
WR-P6a_34	126.1	51	50	56	51
WR-P6a_35	129.6	51	50	55	51
WR-P6a_36	133.0	51	50	55	51
WR-P6a_37	136.5	51	50	55	51
WR-P6a_38	140.0	51	49	55	51
WR-P6a_39	143.4	51	49	55	51
WR-P6a_40	146.9	51	49	54	51
WR-P6a_41	150.3	51	49	54	51
WR-P6a_42	153.8	51	49	54	51
WR-P6a_43	157.3	50	49	54	51
WR-P6a_44	160.7	50	49	54	50
WR-P6a_45	164.2	50	49	54	50
WR-P6a_46	167.6	50	49	53	50
WR-P6a_47	171.1	50	49	53	50
WR-P6a_48	174.5	50	49	53	50
WR-P6a_49	178.0	50	48	53	50
WR-P6b_1	12.0	39	37	39	37
WR-P6b_2	15.5	39	38	40	38
WR-P6b_3	18.9	39	38	40	38
WR-P6b_4	22.4	40	38	40	39
WR-P6b_5	25.8	41	39	44	40
WR-P6b_6	29.3	42	40	46	41
WR-P6b_7	32.8	43	42	48	43
WR-P6b_8	36.2	44	43	49	44
WR-P6b_9	39.7	45	43	50	45
WR-P6b_10	43.1	45	44	50	45
WR-P6b_11	46.6	46	44	50	46
WR-P6b_12	50.0	46	45	51	46
WR-P6b_13	53.5	47	45	49	46
WR-P6b_14	57.0	47	46	50	47
WR-P6b_15	60.4	48	47	52	48
WR-P6b_16	63.9	49	47	53	49
WR-P6b_17	67.3	49	48	53	49
WR-P6b_18	70.8	51	49	55	51
WR-P6b_19	74.3	51	50	56	51
WR-P6b_20	77.7	52	50	57	52
WR-P6b_21	81.2	52	50	57	52
WR-P6b_22	84.6	52	51	57	52
WR-P6b_23	88.1	52	51	57	52
WR-P6b_24	91.5	52	51	57	52

Appendix 4.8.3

Predicted Noise Level for West Rail (Unmitigated)

NSR ID	mPD	Leq,30min, dB(A)		Lmax, dB(A)	Leq, 24-hr, dB(A)
		Daytime	Nighttime		
WR-P6b_25	95.0	52	51	57	52
WR-P6b_26	98.5	52	51	57	52
WR-P6b_27	101.9	52	51	57	52
WR-P6b_28	105.4	52	51	57	52
WR-P6b_29	108.8	52	50	57	52
WR-P6b_30	112.3	52	50	56	52
WR-P6b_31	115.8	52	50	56	52
WR-P6b_32	119.2	52	50	56	52
WR-P6b_33	122.7	51	50	56	51
WR-P6b_34	126.1	51	50	56	51
WR-P6b_35	129.6	51	50	55	51
WR-P6b_36	133.0	51	50	55	51
WR-P6b_37	136.5	51	50	55	51
WR-P6b_38	140.0	51	49	55	51
WR-P6b_39	143.4	51	49	55	51
WR-P6b_40	146.9	51	49	55	51
WR-P6b_41	150.3	51	49	54	51
WR-P6b_42	153.8	51	49	54	51
WR-P6b_43	157.3	50	49	54	51
WR-P6b_44	160.7	50	49	54	50
WR-P6b_45	164.2	50	49	54	50
WR-P6b_46	167.6	50	49	54	50
WR-P6b_47	171.1	50	49	53	50
WR-P6b_48	174.5	50	49	53	50
WR-P6b_49	178.0	50	48	53	50
WR-P6c_1	12.0	tho	37	37	37
WR-P6c_2	15.5	38	37	40	37
WR-P6c_3	18.9	38	37	41	38
WR-P6c_4	22.4	39	38	43	39
WR-P6c_5	25.8	40	39	45	40
WR-P6c_6	29.3	41	40	46	41
WR-P6c_7	32.8	42	41	47	42
WR-P6c_8	36.2	44	42	49	43
WR-P6c_9	39.7	44	43	51	44
WR-P6c_10	43.1	45	44	51	45
WR-P6c_11	46.6	45	44	52	45
WR-P6c_12	50.0	46	44	52	46
WR-P6c_13	53.5	46	45	52	46
WR-P6c_14	57.0	46	45	52	46
WR-P6c_15	60.4	47	45	52	47
WR-P6c_16	63.9	47	45	52	47
WR-P6c_17	67.3	47	46	52	47
WR-P6c_18	70.8	48	46	50	48
WR-P6c_19	74.3	48	47	51	48
WR-P6c_20	77.7	49	47	51	49

Appendix 4.8.3

Predicted Noise Level for West Rail (Unmitigated)

NSR ID	mPD	Leq,30min, dB(A)		Lmax, dB(A)	Leq, 24-hr, dB(A)
		Daytime	Nighttime		
WR-P6c_21	81.2	49	48	53	50
WR-P6c_22	84.6	50	49	53	50
WR-P6c_23	88.1	50	49	54	50
WR-P6c_24	91.5	51	49	54	51
WR-P6c_25	95.0	51	49	54	51
WR-P6c_26	98.5	51	49	54	51
WR-P6c_27	101.9	51	49	55	51
WR-P6c_28	105.4	51	49	55	51
WR-P6c_29	108.8	51	49	55	51
WR-P6c_30	112.3	51	49	55	51
WR-P6c_31	115.8	51	49	54	51
WR-P6c_32	119.2	51	49	54	51
WR-P6c_33	122.7	51	49	54	51
WR-P6c_34	126.1	51	49	54	51
WR-P6c_35	129.6	51	49	54	51
WR-P6c_36	133.0	51	49	54	51
WR-P6c_37	136.5	50	49	54	51
WR-P6c_38	140.0	50	49	54	50
WR-P6c_39	143.4	50	49	53	50
WR-P6c_40	146.9	50	49	53	50
WR-P6c_41	150.3	50	49	53	50
WR-P6c_42	153.8	50	49	53	50
WR-P6c_43	157.3	50	48	53	50
WR-P6c_44	160.7	50	48	53	50
WR-P6c_45	164.2	50	48	52	50
WR-P6c_46	167.6	50	48	52	50
WR-P6c_47	171.1	50	48	52	50
WR-P6c_48	174.5	49	48	52	49
WR-P6c_49	178.0	49	48	52	49
WR-P7a_1	13.0	44	43	49	44
WR-P7a_2	16.4	45	44	51	45
WR-P7a_3	19.9	46	45	52	46
WR-P7a_4	23.3	47	46	54	47
WR-P7a_5	26.7	49	48	56	49
WR-P7a_6	30.2	51	49	58	51
WR-P7a_7	33.6	52	51	59	52
WR-P7a_8	37.0	53	52	61	53
WR-P7a_9	40.5	54	53	62	54
WR-P7a_10	43.9	55	53	62	55
WR-P7a_11	47.3	55	54	62	55
WR-P7a_12	50.8	55	54	63	55
WR-P7a_13	54.2	56	54	63	56
WR-P7a_14	57.7	56	54	63	56
WR-P7a_15	61.1	56	54	62	56
WR-P7a_16	64.5	56	54	62	56

Appendix 4.8.3

Predicted Noise Level for West Rail (Unmitigated)

NSR ID	mPD	Leq,30min, dB(A)		Lmax, dB(A)	Leq, 24-hr, dB(A)
		Daytime	Nighttime		
WR-P7a_17	68.0	56	54	62	56
WR-P7a_18	71.4	56	54	62	56
WR-P7a_19	74.8	56	54	62	56
WR-P7a_20	78.3	56	55	62	56
WR-P7a_21	81.7	56	55	61	56
WR-P7a_22	85.1	56	55	61	56
WR-P7a_23	88.6	56	55	61	56
WR-P7a_24	92.0	56	55	61	56
WR-P7a_25	95.4	56	54	61	56
WR-P7a_26	98.9	56	54	61	56
WR-P7a_27	102.3	56	54	60	56
WR-P7a_28	105.7	56	54	60	56
WR-P7a_29	109.2	56	54	60	56
WR-P7a_30	112.6	56	54	60	56
WR-P7a_31	116.0	55	54	60	55
WR-P7a_32	119.5	55	54	59	55
WR-P7a_33	122.9	55	54	59	55
WR-P7a_34	126.3	55	54	59	55
WR-P7a_35	129.8	55	54	59	55
WR-P7a_36	133.2	55	53	59	55
WR-P7a_37	136.7	55	53	59	55
WR-P7a_38	140.1	55	53	58	55
WR-P7a_39	143.5	55	53	58	55
WR-P7a_40	147.0	54	53	58	55
WR-P7a_41	150.4	54	53	58	54
WR-P7a_42	153.8	54	53	58	54
WR-P7a_43	157.3	54	53	58	54
WR-P7a_44	160.7	54	53	57	54
WR-P7a_45	164.1	54	53	57	54
WR-P7a_46	167.6	54	52	57	54
WR-P7a_47	171.0	54	52	57	54
WR-P7b_1	13.0	47	45	50	47
WR-P7b_2	16.4	48	46	51	48
WR-P7b_3	19.9	49	48	53	49
WR-P7b_4	23.3	51	49	55	51
WR-P7b_5	26.7	53	51	58	53
WR-P7b_6	30.2	54	53	59	54
WR-P7b_7	33.6	56	55	62	56
WR-P7b_8	37.0	57	56	63	57
WR-P7b_9	40.5	58	56	63	58
WR-P7b_10	43.9	58	57	64	58
WR-P7b_11	47.3	59	57	64	59
WR-P7b_12	50.8	59	57	64	59
WR-P7b_13	54.2	59	57	64	59
WR-P7b_14	57.7	59	57	63	59

Appendix 4.8.3

Predicted Noise Level for West Rail (Unmitigated)

NSR ID	mPD	Leq,30min, dB(A)		Lmax, dB(A)	Leq, 24-hr, dB(A)
		Daytime	Nighttime		
WR-P7b_15	61.1	59	57	63	59
WR-P7b_16	64.5	59	57	63	59
WR-P7b_17	68.0	59	57	63	59
WR-P7b_18	71.4	59	57	63	59
WR-P7b_19	74.8	59	57	63	59
WR-P7b_20	78.3	59	57	62	59
WR-P7b_21	81.7	59	57	62	59
WR-P7b_22	85.1	59	57	62	59
WR-P7b_23	88.6	58	57	62	58
WR-P7b_24	92.0	58	57	62	58
WR-P7b_25	95.4	58	57	61	58
WR-P7b_26	98.9	58	57	61	58
WR-P7b_27	102.3	58	56	61	58
WR-P7b_28	105.7	58	56	61	58
WR-P7b_29	109.2	58	56	61	58
WR-P7b_30	112.6	58	56	60	58
WR-P7b_31	116.0	57	56	60	57
WR-P7b_32	119.5	57	56	60	57
WR-P7b_33	122.9	57	56	60	57
WR-P7b_34	126.3	57	56	60	57
WR-P7b_35	129.8	57	55	59	57
WR-P7b_36	133.2	57	55	59	57
WR-P7b_37	136.7	57	55	59	57
WR-P7b_38	140.1	57	55	59	57
WR-P7b_39	143.5	56	55	59	57
WR-P7b_40	147.0	56	55	59	56
WR-P7b_41	150.4	56	55	58	56
WR-P7b_42	153.8	56	55	58	56
WR-P7b_43	157.3	56	55	58	56
WR-P7b_44	160.7	56	54	58	56
WR-P7b_45	164.1	56	54	58	56
WR-P7b_46	167.6	56	54	58	56
WR-P7b_47	171.0	56	54	57	56
WR-P7c_1	13.0	45	44	50	45
WR-P7c_2	16.4	46	45	52	46
WR-P7c_3	19.9	47	46	53	47
WR-P7c_4	23.3	49	47	55	49
WR-P7c_5	26.7	51	49	57	51
WR-P7c_6	30.2	52	51	59	52
WR-P7c_7	33.6	54	52	60	54
WR-P7c_8	37.0	55	54	62	55
WR-P7c_9	40.5	56	54	63	56
WR-P7c_10	43.9	56	55	63	56
WR-P7c_11	47.3	57	55	63	57
WR-P7c_12	50.8	57	55	64	57

Appendix 4.8.3

Predicted Noise Level for West Rail (Unmitigated)

NSR ID	mPD	Leq,30min, dB(A)		Lmax, dB(A)	Leq, 24-hr, dB(A)
		Daytime	Nighttime		
WR-P7c_13	54.2	57	56	64	57
WR-P7c_14	57.7	57	56	63	57
WR-P7c_15	61.1	57	56	63	57
WR-P7c_16	64.5	57	56	63	57
WR-P7c_17	68.0	57	56	63	57
WR-P7c_18	71.4	57	56	63	57
WR-P7c_19	74.8	57	56	63	57
WR-P7c_20	78.3	57	56	62	57
WR-P7c_21	81.7	57	56	62	57
WR-P7c_22	85.1	57	56	62	57
WR-P7c_23	88.6	57	55	62	57
WR-P7c_24	92.0	57	55	62	57
WR-P7c_25	95.4	57	55	62	57
WR-P7c_26	98.9	57	55	61	57
WR-P7c_27	102.3	57	55	61	57
WR-P7c_28	105.7	56	55	61	56
WR-P7c_29	109.2	56	55	61	56
WR-P7c_30	112.6	56	55	61	56
WR-P7c_31	116.0	56	55	60	56
WR-P7c_32	119.5	56	55	60	56
WR-P7c_33	122.9	56	54	60	56
WR-P7c_34	126.3	56	54	60	56
WR-P7c_35	129.8	56	54	60	56
WR-P7c_36	133.2	56	54	60	56
WR-P7c_37	136.7	55	54	59	55
WR-P7c_38	140.1	55	54	59	55
WR-P7c_39	143.5	55	54	59	55
WR-P7c_40	147.0	55	54	59	55
WR-P7c_41	150.4	55	54	59	55
WR-P7c_42	153.8	55	53	59	55
WR-P7c_43	157.3	55	53	58	55
WR-P7c_44	160.7	55	53	58	55
WR-P7c_45	164.1	55	53	58	55
WR-P7c_46	167.6	54	53	58	55
WR-P7c_47	171.0	54	53	58	54
WR-P8_1	12.0	43	NA	46	43
WR-P8_2	16.5	44	NA	47	44
WR-P8_3	21.0	45	NA	48	45
WR-P8_4	25.5	46	NA	49	46
WR-P8_5	30.0	48	NA	51	48
WR-P8_6	34.5	49	NA	52	49
WR-P8_7	39.0	49	NA	53	49
WR-P8_8	43.5	51	NA	55	51
WR-P8_9	48.0	52	NA	56	52
WR-P9a_1	7.0	42	41	48	42

Appendix 4.8.3

Predicted Noise Level for West Rail (Unmitigated)

NSR ID	mPD	Leq,30min, dB(A)		Lmax, dB(A)	Leq, 24-hr, dB(A)
		Daytime	Nighttime		
WR-P9a_2	10.2	43	41	48	43
WR-P9a_3	13.3	43	42	49	43
WR-P9a_4	16.5	44	42	50	43
WR-P9a_5	19.6	44	43	50	44
WR-P9a_6	22.8	45	43	51	45
WR-P9a_7	25.9	45	44	52	45
WR-P9a_8	29.1	46	44	53	46
WR-P9a_9	32.2	47	45	54	47
WR-P9a_10	35.4	48	46	55	48
WR-P9a_11	38.5	48	47	56	48
WR-P9a_12	41.7	49	48	56	49
WR-P9a_13	44.8	49	48	57	49
WR-P9a_14	48.0	50	49	58	50
WR-P9a_15	51.1	51	50	59	51
WR-P9a_16	54.3	52	50	59	52
WR-P9a_17	57.4	52	51	60	52
WR-P9a_18	60.6	52	51	60	53
WR-P9a_19	63.7	53	51	60	53
WR-P9a_20	66.9	53	52	61	53
WR-P9a_21	70.0	53	52	61	53
WR-P9a_22	73.2	53	52	61	53
WR-P9a_23	76.3	54	52	61	54
WR-P9a_24	79.5	54	52	61	54
WR-P9a_25	82.6	54	52	61	54
WR-P9a_26	85.8	54	52	61	54
WR-P9a_27	88.9	54	53	61	54
WR-P9a_28	92.1	54	53	61	54
WR-P9a_29	95.2	54	53	61	54
WR-P9a_30	98.4	54	53	61	54
WR-P9a_31	101.5	54	53	61	54
WR-P9a_32	104.7	54	53	61	54
WR-P9a_33	107.8	54	53	61	54
WR-P9a_34	111.0	54	53	61	54
WR-P9b_1	7.0	44	42	49	44
WR-P9b_2	10.2	44	43	49	44
WR-P9b_3	13.3	45	43	50	44
WR-P9b_4	16.5	45	43	50	45
WR-P9b_5	19.6	45	44	51	45
WR-P9b_6	22.8	46	44	52	46
WR-P9b_7	25.9	46	45	52	46
WR-P9b_8	29.1	47	46	53	47
WR-P9b_9	32.2	48	46	54	48
WR-P9b_10	35.4	48	47	55	48
WR-P9b_11	38.5	49	48	56	49
WR-P9b_12	41.7	50	48	57	50

Appendix 4.8.3

Predicted Noise Level for West Rail (Unmitigated)

NSR ID	mPD	Leq,30min, dB(A)		Lmax, dB(A)	Leq, 24-hr, dB(A)
		Daytime	Nighttime		
WR-P9b_13	44.8	50	49	57	50
WR-P9b_14	48.0	50	49	57	51
WR-P9b_15	51.1	51	50	58	51
WR-P9b_16	54.3	52	51	59	52
WR-P9b_17	57.4	53	51	60	53
WR-P9b_18	60.6	53	52	60	53
WR-P9b_19	63.7	53	52	61	53
WR-P9b_20	66.9	54	52	61	54
WR-P9b_21	70.0	54	52	61	54
WR-P9b_22	73.2	54	53	61	54
WR-P9b_23	76.3	54	53	61	54
WR-P9b_24	79.5	55	53	61	55
WR-P9b_25	82.6	55	53	61	55
WR-P9b_26	85.8	55	53	62	55
WR-P9b_27	88.9	55	53	62	55
WR-P9b_28	92.1	55	54	62	55
WR-P9b_29	95.2	55	54	62	55
WR-P9b_30	98.4	55	54	62	55
WR-P9b_31	101.5	55	54	62	55
WR-P9b_32	104.7	55	54	61	55
WR-P9b_33	107.8	55	54	61	55
WR-P9b_34	111.0	55	54	61	55
WR-P10_1	6.0	49	NA	56	48
WR-P10_2	10.6	50	NA	58	49
WR-P10_3	15.3	52	NA	59	51
WR-P10_4	19.9	54	NA	62	54
WR-P10_5	24.5	60	NA	68	60
WR-P10_6	29.1	66	NA	73	66
WR-P10_7	33.8	67	NA	74	67
WR-P10_8	38.4	67	NA	74	67
WR-P10_9	43.0	66	NA	74	66
WR-P11_1	7.0	42	NA	42	42
WR-P11_2	11.5	42	NA	42	42
WR-P11_3	16.0	43	NA	43	43
WR-P11_4	20.5	43	NA	43	43
WR-P11_5	25.0	44	NA	44	44
WR-P11_6	29.5	44	NA	45	44
WR-P11_7	34.0	45	NA	45	45
WR-P11_8	38.5	46	NA	46	46
WR-P11_9	43.0	46	NA	47	46
Existing NSR					
WR-E1_1	8.7	50	48	57	49
WR-E2_1	8.5	48	47	54	48
WR-E3_1	7.7	43	41	48	43
WR-E4_1	6.5	47	46	51	47

Appendix 4.8.3

Predicted Noise Level for West Rail (Unmitigated)

NSR ID	mPD	Leq,30min, dB(A)		Lmax, dB(A)	Leq, 24-hr, dB(A)
		Daytime	Nighttime		
WR-E5_1	6.9	47	46	52	47
WR-E5_2	9.9	48	46	53	48
WR-E5_3	12.9	48	47	54	48
WR-E6_1	6.4	47	45	51	47
WR-E6_2	9.4	47	46	52	47
WR-E6_3	12.4	48	47	53	48
WR-E6_4	15.4	49	47	54	49
WR-E7_1	5.2	45	44	46	45
WR-E7_2	8.2	45	44	47	45