

Appendix D

Noise Data

Figure 4.6-A1 Noise Levels at Measurement Site LT-1 on Wednesday, March 4, 2020

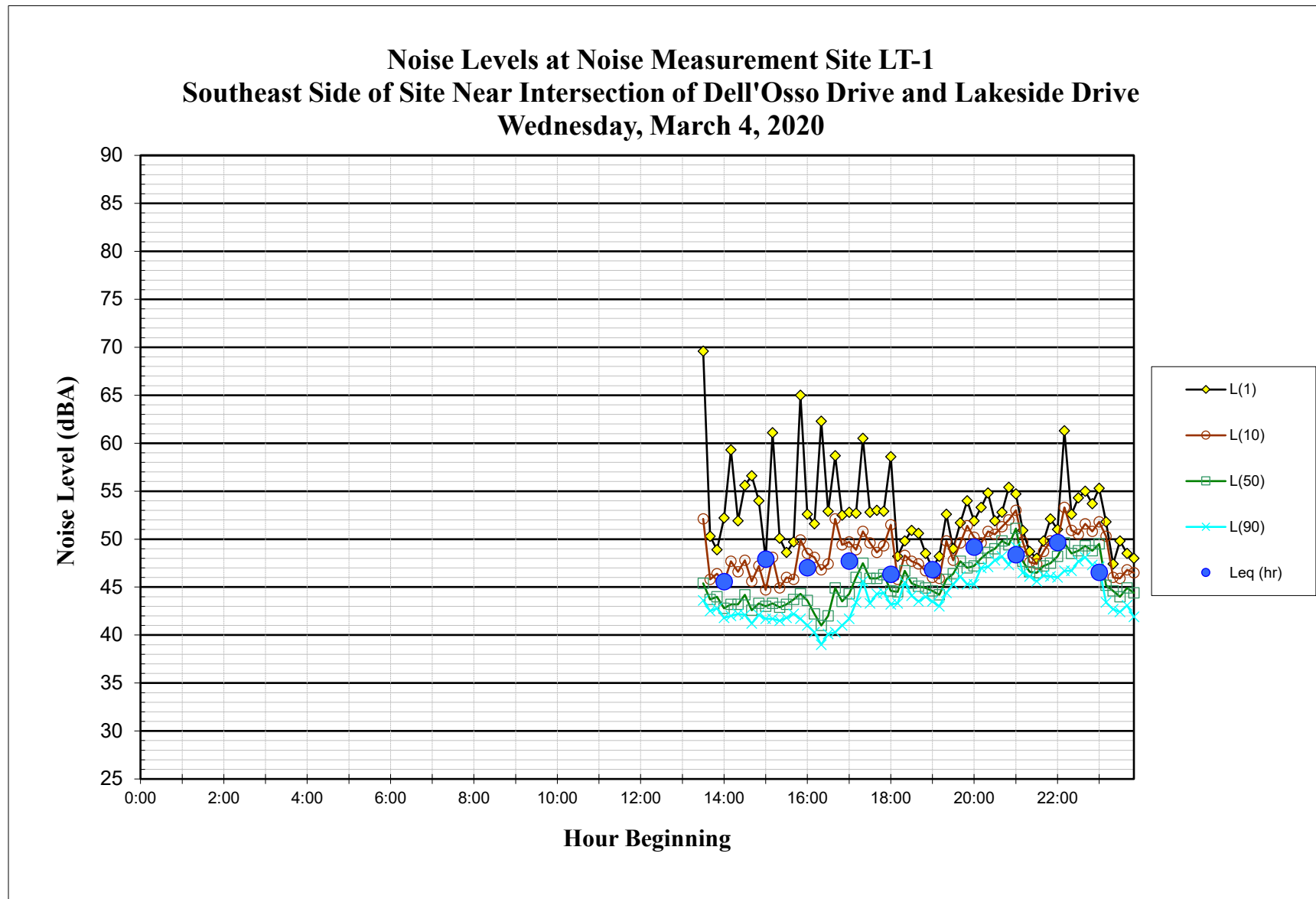


Figure 4.6-A2 Noise Levels at Measurement Site LT-1 on Thursday, March 5, 2020

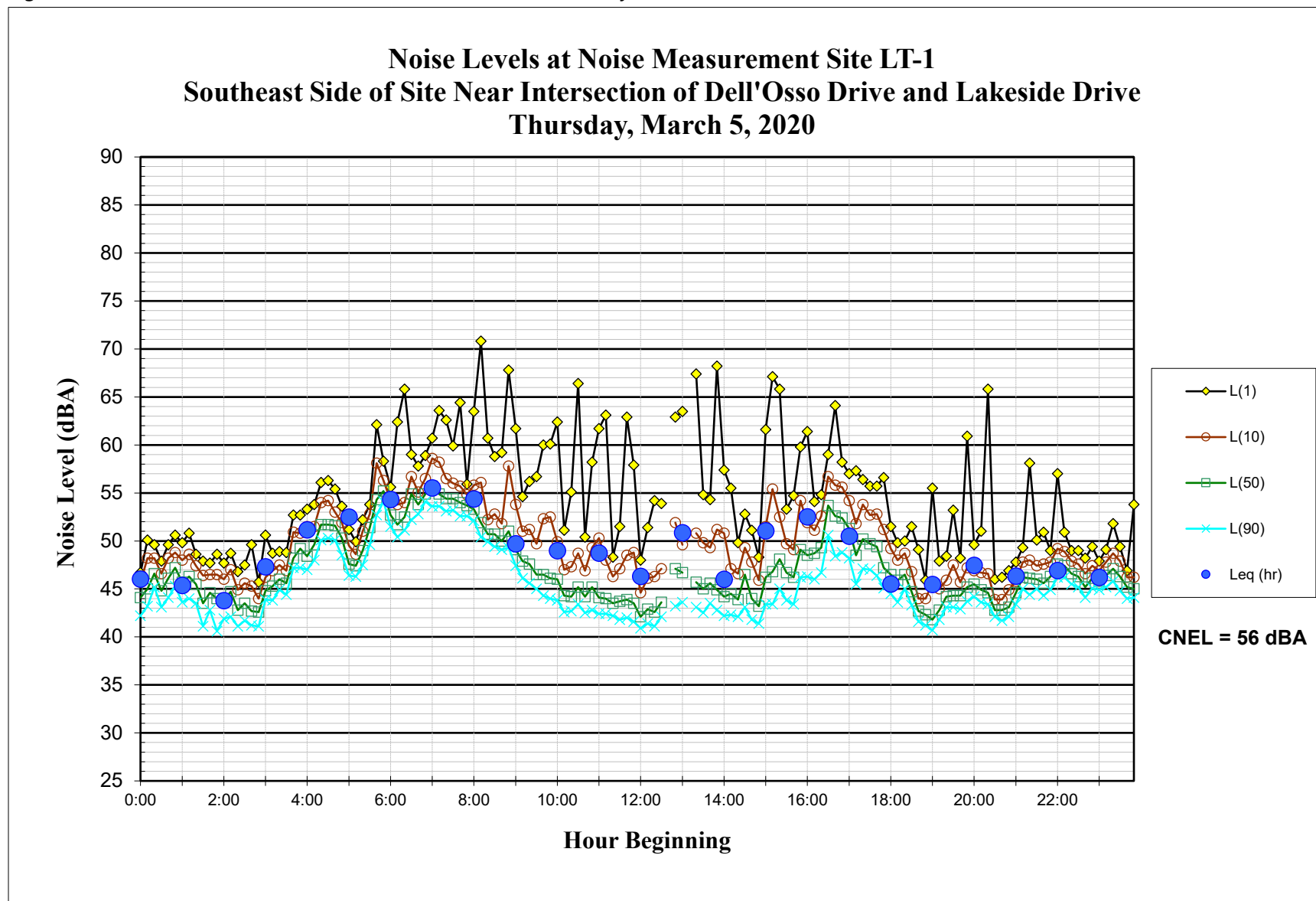


Figure 4.6-A3 Noise Levels at Measurement Site LT-1 on Friday, March 6, 2020

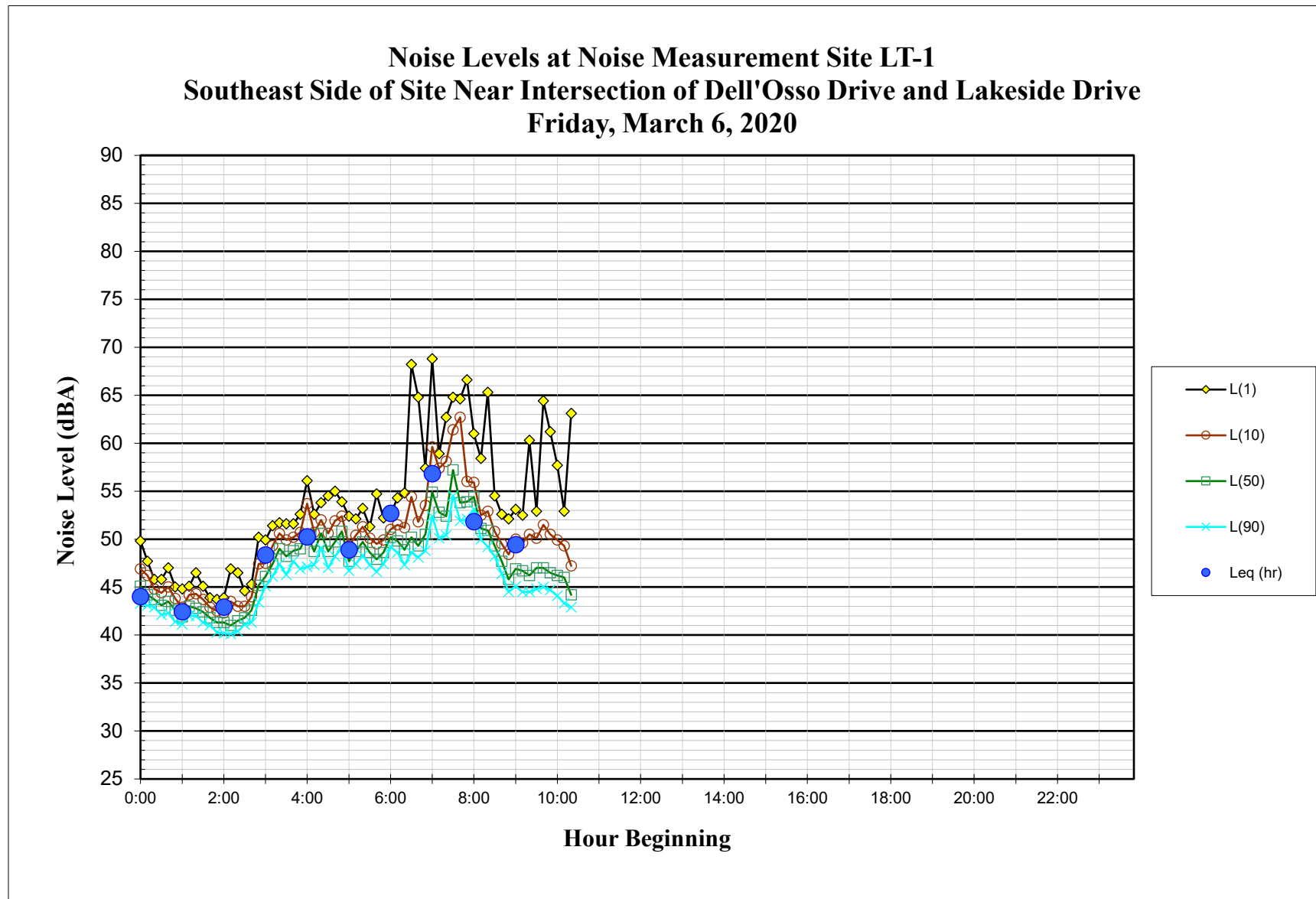


Figure 4.6-A4 Noise Levels at Measurement Site LT-2 on Wednesday, March 4, 2020

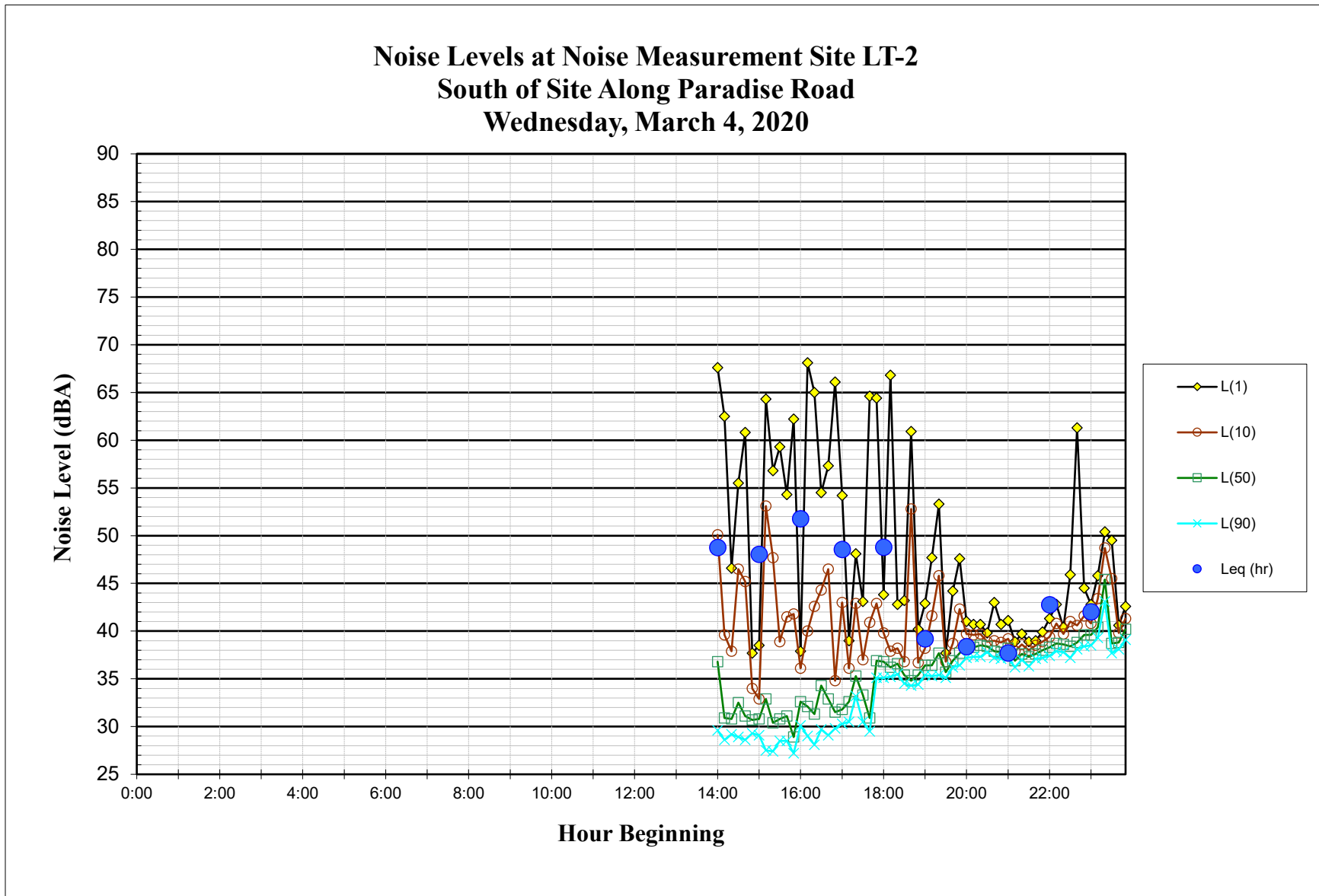


Figure 4.6-A5 Noise Levels at Measurement Site LT-2 on Thursday, March 5, 2020

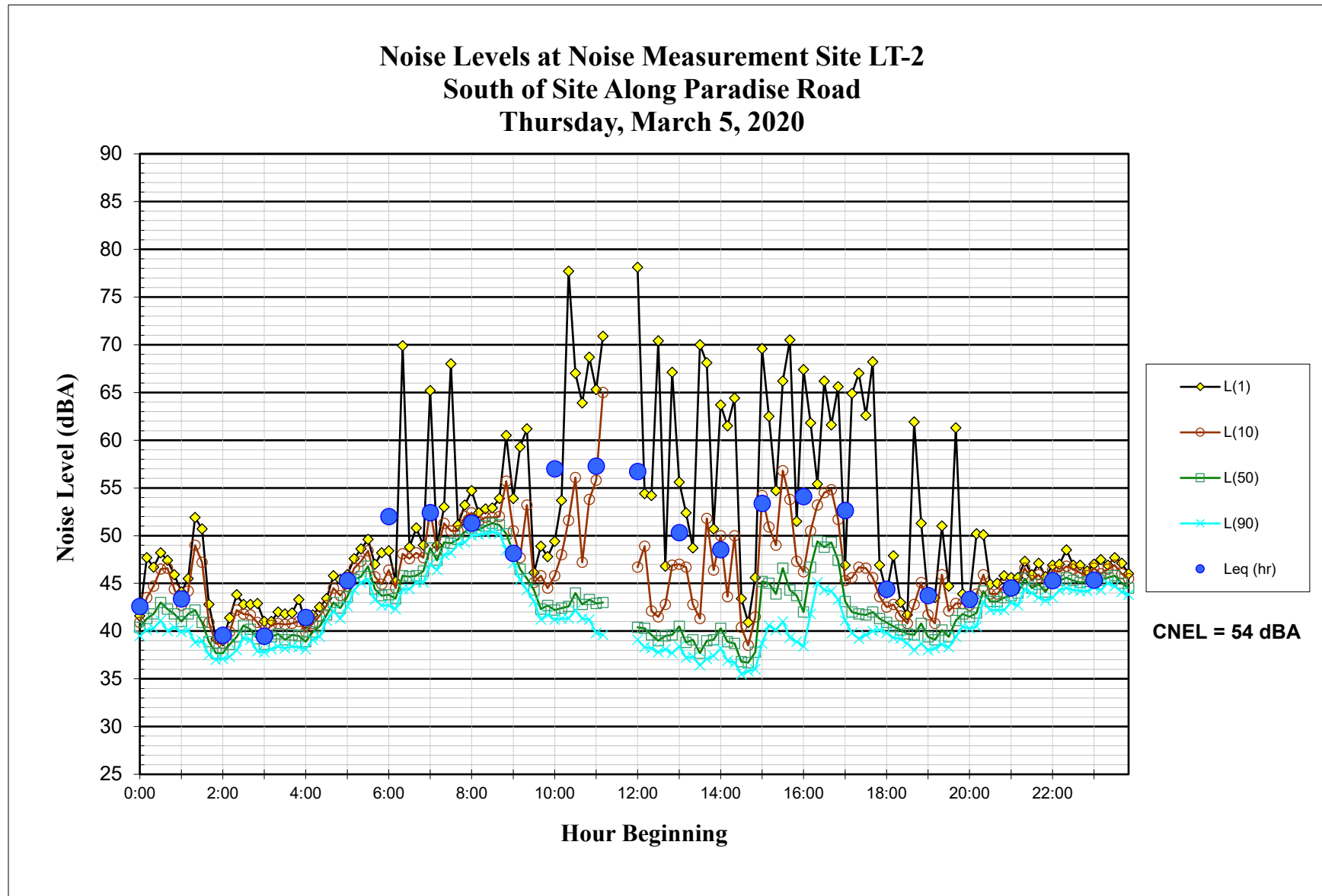


Figure 4.6-A6 Noise Levels at Measurement Site LT-2 on Friday, March 6, 2020

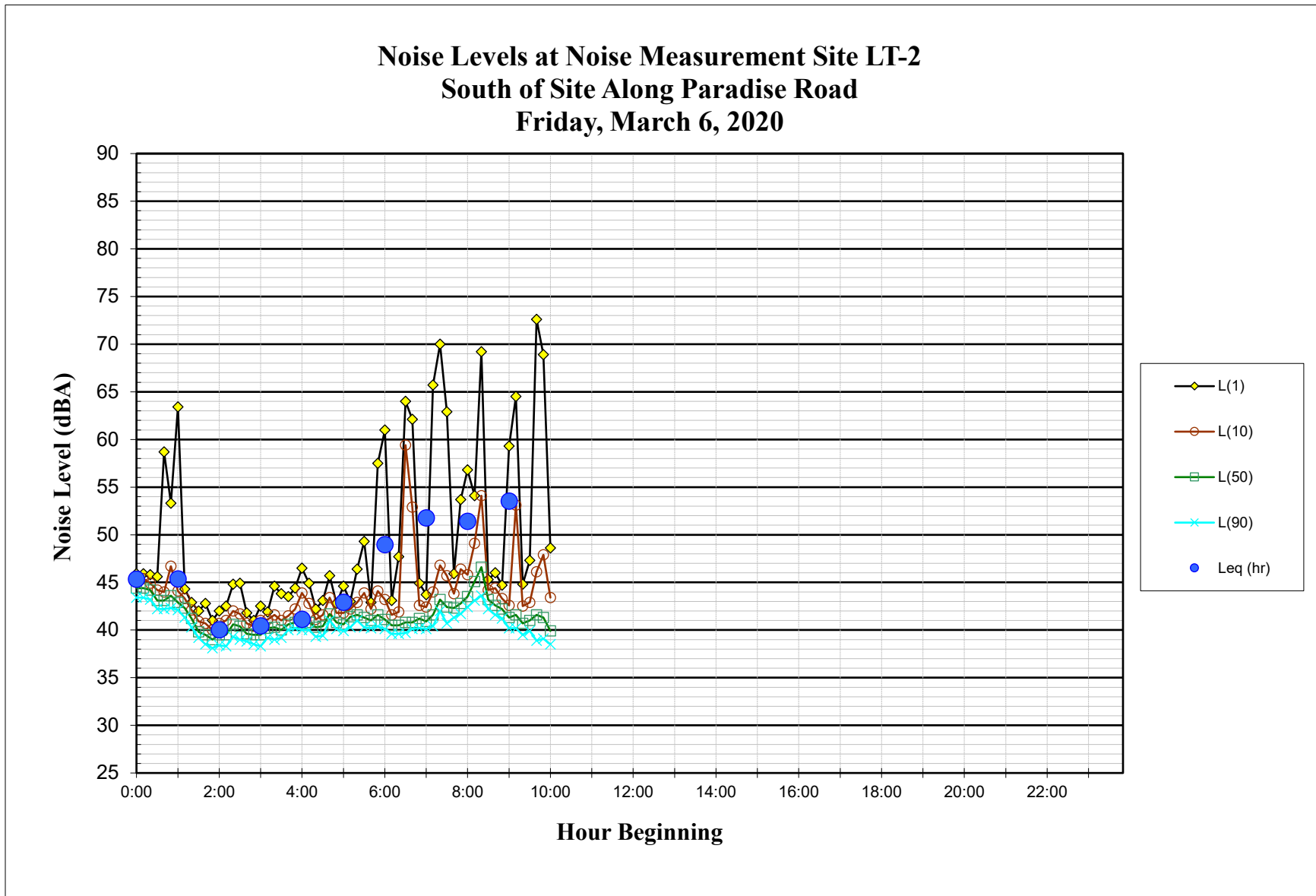


Figure 4.6-A7 Noise Levels at Measurement Site LT-3 on Wednesday, March 4, 2020

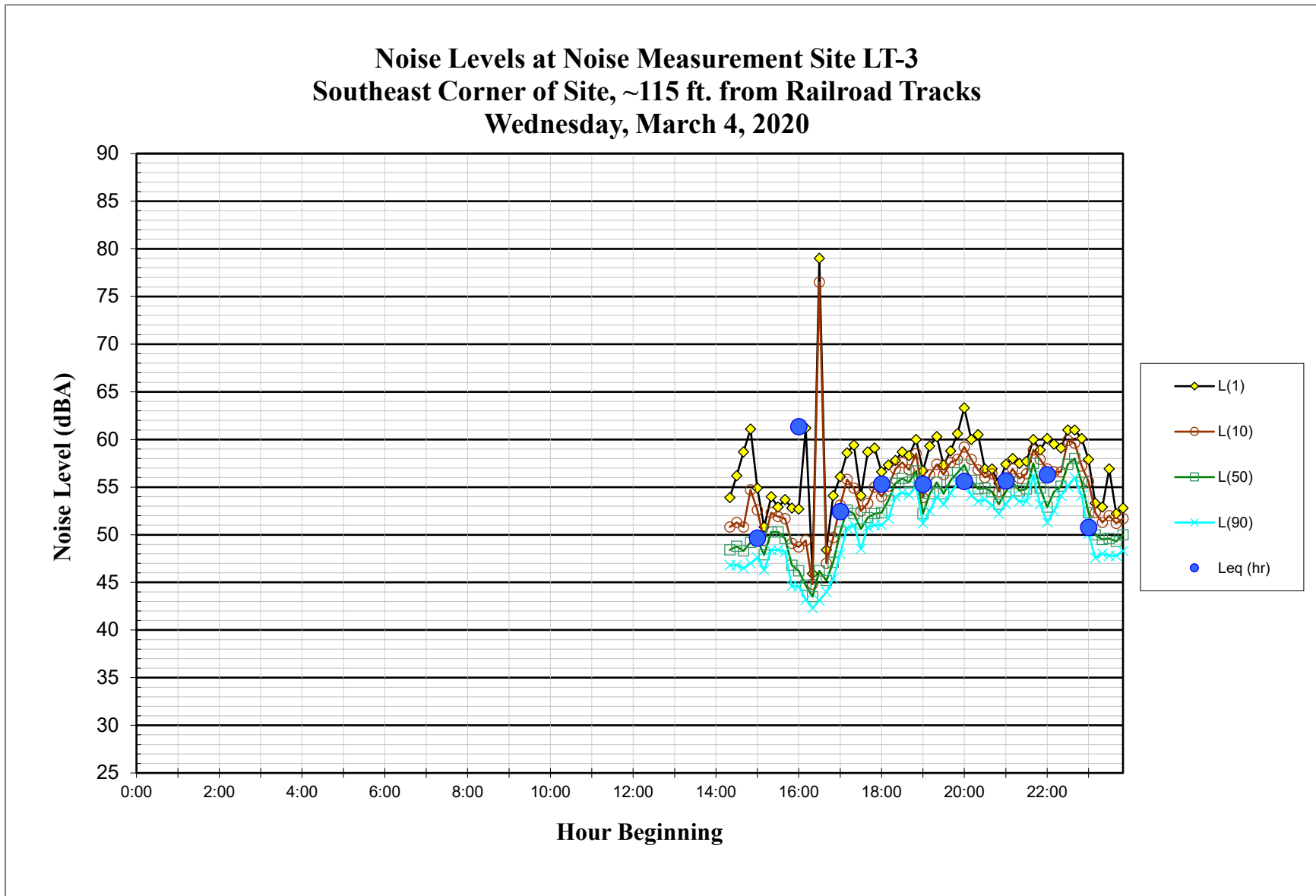


Figure 4.6-A8 Noise Levels at Measurement Site LT-3 on Thursday, March 5, 2020

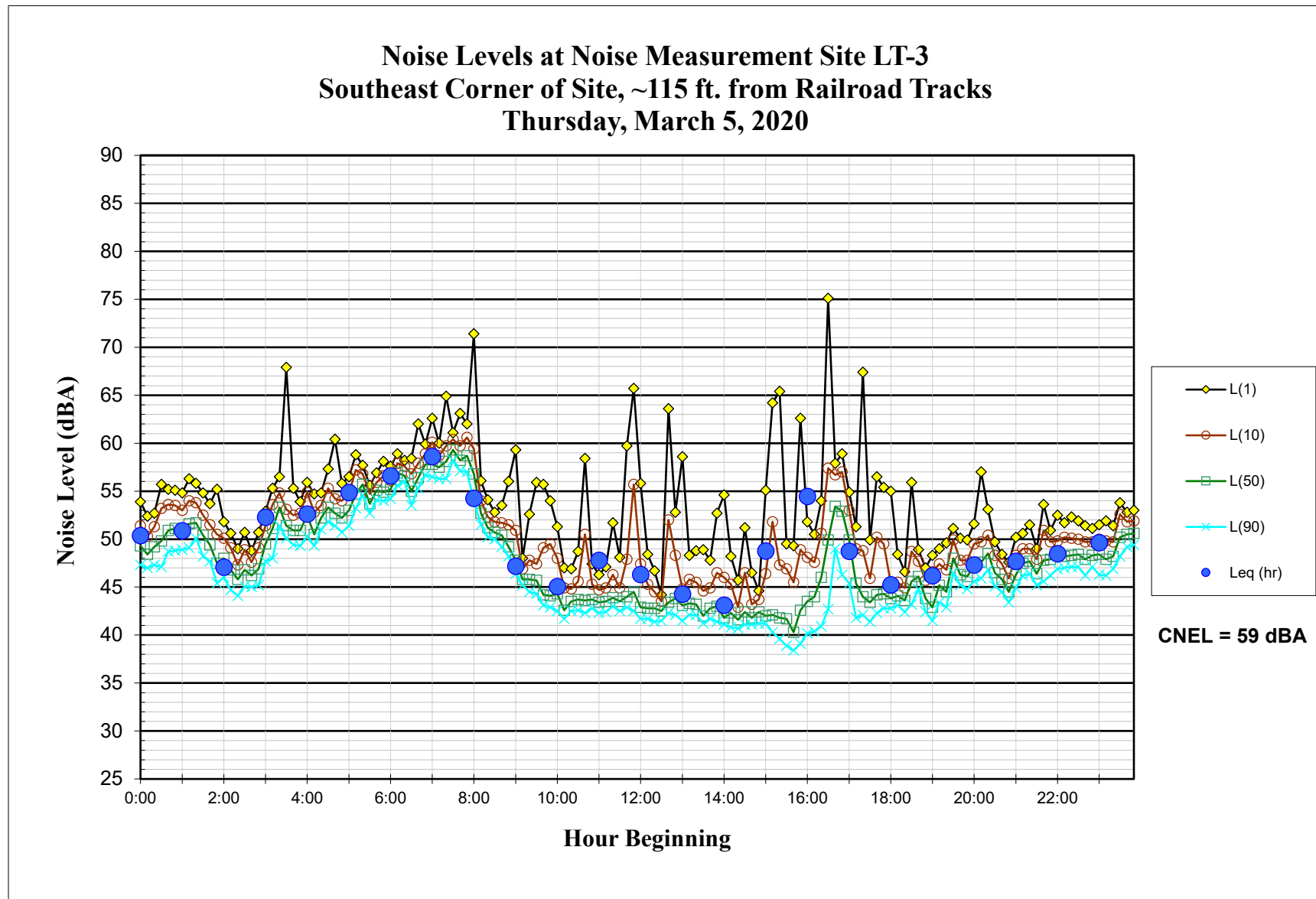


Figure 4.6-A9 Noise Levels at Measurement Site LT-3 on Friday, March 6, 2020

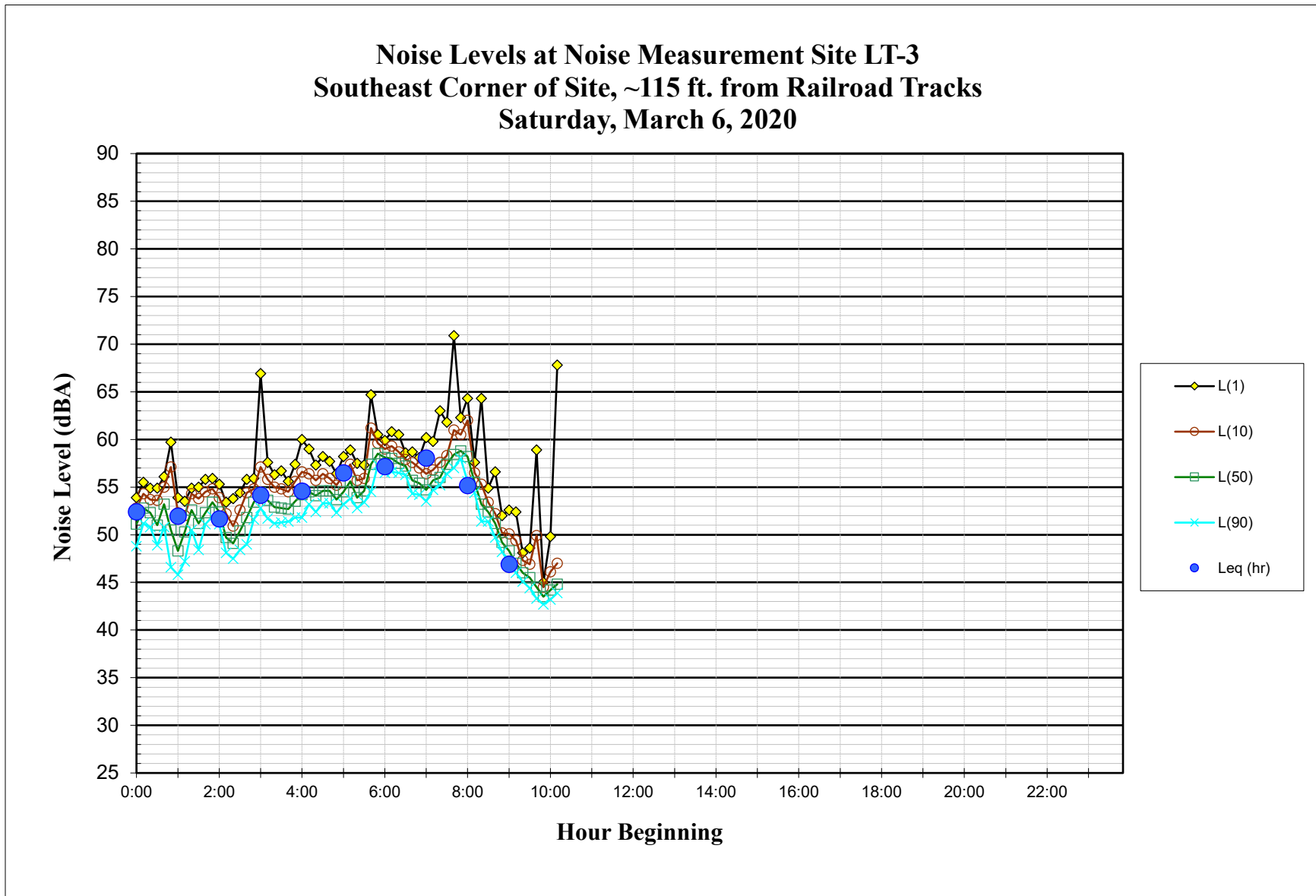


Table 4.6-A1 Summary of Traffic Volumes and Noise Model Input Data

Roadway	Segment Description	Existing			Existing Plus Proposed Project			Cumulative Plus Current General Plan Approved			Cumulative Plus Proposed Project with Valley Link		
		Peak Hour Traffic	Speed Limit (mph)	Truck %	Peak Hour Traffic	Speed Limit (mph)	Truck %	Peak Hour Traffic	Speed Limit (mph)	Truck %	Peak Hour Traffic	Speed Limit (mph)	Truck %
Arbor Avenue	Paradise Road to MacArthur Drive	54	40	2	3050	40	2	10	40	2	20	40	2
Golden Valley Parkway	Land Park to River Islands Parkway	485	45	2	2540	45	2	8150	45	2	8200	45	2
	River Islands Parkway to Town Centre Drive	698	45	2	2590	45	2	5090	45	2	5920	45	2
	Town Centre Drive to Brookhurst Boulevard	365	45	2	2390	45	2	4410	45	2	5110	45	2
Lakeside Drive	Stewart Drive to Commercial Street	160	25	2	2220	25	2	240	25	2	310	25	2
	Commercial Street to Somerston Parkway	131	25	2	2020	25	2	220	25	2	310	25	2
Louise Avenue	5 th Street to Harlan Road	2205	45	5	3450	45	5	6280	45	5	6380	45	5
	Harlan Road to I-5	2695	45	5	4260	45	5	7820	45	5	8000	45	5
	I-5 to Golden Valley Parkway	2143	45	4	6560	45	4	12450	45	4	12920	45	4
MacArthur Drive	I-205 to Arbor Avenue	173	45	3	3820	45	3	330	45	3	350	45	3
Manthey Road	San Joaquin River to Stewart Road	182	40	2	2240	40	2	-	-	-	-	-	-
	Stewart Road to I-5 Undercrossing	394	45	2	3360	45	2	-	-	-	-	-	-
Paradise Road	Delta Avenue to Arbor Avenue	51	45	2	3050	45	2	3280	50	2	3700	50	2
	Arbor Avenue to I-205 Overcrossing	50	40	2	30	40	2	4550	45	2	5150	45	2
River Islands Parkway	Golden Valley Parkway to McKee Boulevard	1717	45	2	6470	45	2	8790	45	2	9130	45	2

Roadway	Segment Description	Existing			Existing Plus Proposed Project			Cumulative Plus Current General Plan Approved			Cumulative Plus Proposed Project with Valley Link		
		Peak Hour Traffic	Speed Limit (mph)	Truck %	Peak Hour Traffic	Speed Limit (mph)	Truck %	Peak Hour Traffic	Speed Limit (mph)	Truck %	Peak Hour Traffic	Speed Limit (mph)	Truck %
	McKee Boulevard to Somerston Parkway	665	45	2	5840	45	2	7590	45	2	7920	45	2
	Somerston Parkway to Stewart Road	238	45	2	5500	45	2	5280	45	2	5580	45	2
	Stewart Road to Sidwell Drive	102	45	2	6050	45	2	4880	45	2	5260	45	2
	Sidwell Drive to End of the Road	43	45	2	3910	45	2	4890	45	2	5260	45	2
Somerston Parkway	River Islands Parkway to Marina Drive	237	25	2	1940	25	2	270	25	2	430	25	2
	Marina Drive to Lakeside Drive	123	25	2	1460	25	2	390	25	2	550	25	2
Stewart Road	Manthey Road to Lakeside Drive	285	25	2	5470	25	2	-	-	-	-	-	-

Note: Segments marked '-' do not exist under future scenarios.

Table 4.6-A2 Summary of Noise Model Results and Calculated Noise Contours

Roadway	Segment Description	Existing			Existing Plus Proposed Project			Cumulative Plus Current General Plan Approved			Cumulative Plus Proposed Project with Valley Link						
		CNEL at 50 feet	Distance to Traffic Noise Contour (feet)			CNEL at 50 feet	Distance to Traffic Noise Contour (feet)			CNEL at 50 feet	Distance to Traffic Noise Contour (feet)			CNEL at 50 feet	Distance to Traffic Noise Contour (feet)		
			70 dBA CNEL	65 dBA CNEL	60 dBA CNEL		70 dBA CNEL	65 dBA CNEL	60 dBA CNEL		70 dBA CNEL	65 dBA CNEL	60 dBA CNEL		70 dBA CNEL	65 dBA CNEL	60 dBA CNEL
Arbor Avenue	Paradise Road to MacArthur Drive	51	< 50	< 50	< 50	68	< 50	80	170	45	< 50	< 50	< 50	47	< 50	< 50	< 50
Golden Valley Parkway	Land Park to River Islands Parkway	65	< 50	50	115	73	75	160	340	78	160	340	735	78	160	340	735
	River Islands Parkway to Town Centre Drive	67	< 50	65	140	72	70	155	335	76	125	270	585	76	125	270	585
	Town Centre Drive to Brookhurst Boulevard	64	< 50	< 50	90	72	70	150	320	75	115	245	530	75	115	245	530
Lakeside Drive	Stewart Drive to Commercial Street	52	< 50	< 50	< 50	63	< 50	< 50	80	56	< 50	< 50	< 50	56	< 50	< 50	< 50
	Commercial Street to Somerston Parkway	52	< 50	< 50	< 50	64	< 50	< 50	90	55	< 50	< 50	< 50	56	< 50	< 50	< 50
Louise Avenue	5 th Street to Harlan Road	73	75	165	355	76	105	220	475	77	155	330	710	77	155	335	725
	Harlan Road to I-5	74	90	190	410	76	120	260	555	78	180	390	845	78	180	390	845
	I-5 to Golden Valley Parkway	71	60	125	270	76	125	265	575	79	195	415	895	79	195	415	895
MacArthur Drive	I-205 to Arbor Avenue	57	< 50	< 50	< 50	71	55	12	255	60	< 50	< 50	50	60	< 50	< 50	50

Roadway	Segment Description	Existing			Existing Plus Proposed Project			Cumulative Plus Current General Plan Approved			Cumulative Plus Proposed Project with Valley Link						
		CNEL at 50 feet	Distance to Traffic Noise Contour (feet)			CNEL at 50 feet	Distance to Traffic Noise Contour (feet)			CNEL at 50 feet	Distance to Traffic Noise Contour (feet)						
			70 dBA CNEL	65 dBA CNEL	60 dBA CNEL		70 dBA CNEL	65 dBA CNEL	60 dBA CNEL		70 dBA CNEL	65 dBA CNEL	60 dBA CNEL				
Manthey Road	San Joaquin River to Stewart Road	57	< 50	< 50	< 50	68	< 50	75	160	-	-	-	-	-	-	-	-
	Stewart Road to I-5 Undercrossing	62	< 50	< 50	70	71	60	135	290	-	-	-	-	-	-	-	-
Paradise Road	Delta Avenue to Arbor Avenue	52	< 50	< 50	< 50	69	< 50	100	210	75	105	225	485	75	115	245	525
	Arbor Avenue to I-205 Overcrossing	50	< 50	< 50	< 50	51	< 50	< 50	< 50	75	100	220	470	75	110	235	510
River Islands Parkway	Golden Valley Parkway to McKee Boulevard	71	55	120	260	77	135	290	630	78	170	360	780	78	170	370	790
	McKee Boulevard to Somerston Parkway	63	< 50	< 50	85	73	75	165	350	74	90	195	415	74	90	200	430
	Somerston Parkway to Stewart Road	62	< 50	< 50	65	75	115	245	530	75	110	240	515	75	115	245	530
	Stewart Road to Sidwell Drive	58	< 50	< 50	< 50	76	120	260	565	75	105	225	485	75	110	240	515
	Sidwell Drive to End of the Road	54	< 50	< 50	< 50	74	85	185	405	75	100	220	470	75	105	230	490
Somerston Parkway	River Islands Parkway to Marina Drive	56	< 50	< 50	< 50	66	< 50	55	125	63	< 50	< 50	75	63	< 50	< 50	80

Roadway	Segment Description	Existing			Existing Plus Proposed Project			Cumulative Plus Current General Plan Approved			Cumulative Plus Proposed Project with Valley Link						
		CNEL at 50 feet	Distance to Traffic Noise Contour (feet)			CNEL at 50 feet	Distance to Traffic Noise Contour (feet)			CNEL at 50 feet	Distance to Traffic Noise Contour (feet)			CNEL at 50 feet	Distance to Traffic Noise Contour (feet)		
			70 dBA CNEL	65 dBA CNEL	60 dBA CNEL		70 dBA CNEL	65 dBA CNEL	60 dBA CNEL		70 dBA CNEL	65 dBA CNEL	60 dBA CNEL		70 dBA CNEL	65 dBA CNEL	60 dBA CNEL
	Marina Drive to Lakeside Drive	53	< 50	< 50	< 50	63	< 50	< 50	85	58	< 50	< 50	< 50	59	< 50	< 50	< 50
Stewart Road	Manthey Road to Lakeside Drive	55	< 50	< 50	< 50	68	< 50	75	165	-	-	-	-	-	-	-	-

Note: Segments marked '-' do not exist under future scenarios.