

Appendix E
Noise

Saratoga Racetrack
Traffic Noise Analysis

SiteID	Location	Day	Time	Existing								No Build					Build				
				L _{eq}	L ₁₀	Breakdown Count				Volumes	PCEs	Volumes	PCEs	L _{eq}	Increment	L ₁₀	Volumes	PCEs	L _{eq}	Increment	L ₁₀
						Autos	Med	Heavy	Bus												
1	Corner of Salem Drive and Caroline Street	Weekday	MD	54.9	52.3	6	0	0	0	1444	1444	1487	1487	55.0	0.1	52.4	1487	1487	55.0	0.1	52.4
			PM	60.9	58.3	13	0	0	0	1411	1411	1453	1453	61.0	0.1	58.4	1457	1457	61.0	0.1	58.4
		Weekend	MD	56.8	54.5					1373	1373	1413	1413	57.0	0.1	54.7	1413	1413	57.0	0.1	54.7
			PM	55.9	53.6	8	0	0	0	1108	1108	1140	1140	56.0	0.1	53.7	1143	1143	56.0	0.1	53.7
2	Union Avenue between East Avenue and Ludlow Street	Weekday	AM	61.9	65.3					204	251	219	269	62.2	0.3	65.6	227	407	64.0	2.1	67.4
			MD	67.3	70.7	154	3	0	0	704	865	755	928	67.6	0.3	71.0	780	959	67.7	0.4	71.1
			PM	71.6	75.8	327	3	0	8	1100	1660	1187	1791	71.9	0.3	76.1	1204	1817	72.0	0.4	76.2
		Weekend	MD	66.2	70.5	224	1	2	0	878	1280	941	1372	66.5	0.3	70.8	962	1403	66.6	0.4	70.9
PM	64.5		69.2	396	0	0	0	1194	1194	1290	1290	64.8	0.3	69.5	1304	1304	64.9	0.4	69.6		
3	Nelson Avenue between Wright Street and Webster Street	Weekday	AM	52.0	55.9					197	493	203	508	52.1	0.1	56.0	211	646	53.1	1.2	57.0
			MD	57.1	61.0	7	1	0	0	645	1613	665	1663	57.2	0.1	61.1	679	1698	57.3	0.2	61.2
			PM	56.9	60.4	12	0	0	0	779	779	803	803	57.0	0.1	60.5	813	813	57.1	0.2	60.6
		Weekend	MD	64.5	67.8	144	1	2	2	782	1506	805	1551	64.6	0.1	67.9	817	1574	64.7	0.2	68.0
PM	65.3		66.4	202	0	0	0	779	779	803	803	65.4	0.1	66.5	811	811	65.5	0.2	66.6		

Saratoga Race Track

Appendix E: HVAC Noise Analysis

Site 4, Mechanical Equipment Noise Analysis

Location	Time	Existing Leq	Distance to Mechanical Equipment (in feet)	Building Shielding	Not to Exceed Mechanical Equipment SPL	Total Noise Level	Mechanical Noise Level Increment	Not to Exceed Mechanical Equipment Sound Power Level
Southwest Corner of Nelson Avenue and Wright Street	3:00 AM	53.0	270	10	53	56.0	3.0	109.2

Saratoga Racetrack
 11382
 August 17, 2013

SiteID	Location	Period	L _{eq}	L ₁	L ₁₀	L ₅₀	L ₉₀	L _{Min}	L _{Max}	Autos	Med	Heavy	Bus
1	Corner of Salem Drive and Caroline Street	Sat PM	55.9	70.6	53.6	44.4	43.1	42.0	75.6	8	0	0	0
2	Union Avenue between East Avenue and Ludlow Street	Sat MD	66.2	74.7	70.5	61.7	53.0	80.5	48.9	224	1	2	0
		Sat PM	64.5	73.2	69.2	59.4	51.9	48.7	77.3	396	0	0	0
3	Nelson Avenue between Wright Street and Webster Street	Sat MD	64.5	73.6	67.8	61.4	52.1	79.8	46.3	144	1	2	2
		Sat PM	65.3	74.9	66.4	60.6	57.7	54.4	85.7	202	0	0	0

September 11, 2013

SiteID	Location	Period	L _{eq}	L ₁	L ₁₀	L ₅₀	L ₉₀	L _{Min}	L _{Max}	Autos	Med	Heavy	Bus
1	Corner of Salem Drive and Caroline Street	MD	54.9	69.4	52.3	45.1	42.1	39.6	75.3	6	0	0	0
		PM	60.9	73.4	58.3	43.6	41.4	40.3	85.4	13	0	0	0
2	Union Avenue between East Avenue and Ludlow Street	MD	67.3	76.8	70.7	61.8	53.9	48.2	85.8	154	3	0	0
		PM	71.6	82.0	75.8	64.9	55.0	46.9	88.1	6	3	0	8
3	Nelson Avenue between Wright Street and Webster Street	MD	57.1	66.8	61.0	51.9	44.0	40.8	74.5	7	1	0	0
		PM	56.9	65.4	60.4	54.3	44.5	41.0	70.7	12	0	0	0

Saratoga Race Course
 Noise Analysis
 Site 4: Southwest Corner of Wright and Nelson
 Existing Noise Levels

Date	Start Time	dBA						
		L _{eq}	L ₁	L ₁₀	L ₅₀	L ₉₀	L _{min}	L _{max}
8/16/2013	3:29 PM	61.3	70.4	64.6	58.4	52.6	46.1	79.8
8/16/2013	4:00 PM	61.0	69.4	64.0	58.7	51.3	46.1	78.4
8/16/2013	5:00 PM	61.1	70.3	63.6	58.7	51.5	46.1	77.9
8/16/2013	6:00 PM	62.6	72.9	64.4	59.5	54.7	48.2	80.0
8/16/2013	7:00 PM	63.8	70.9	65.7	61.3	54.0	48.3	88.7
8/16/2013	8:00 PM	63.6	71.1	66.8	61.7	56.9	48.0	82.0
8/16/2013	9:00 PM	62.5	68.5	65.5	61.2	55.0	52.0	79.9
8/16/2013	10:00 PM	62.1	68.3	65.5	60.5	54.4	51.8	74.8
8/16/2013	11:00 PM	62.7	70.0	66.2	60.8	55.3	49.5	82.2
8/17/2013	12:00 AM	59.5	68.7	64.3	52.4	47.7	46.1	75.8
8/17/2013	1:00 AM	57.1	67.4	62.1	48.4	45.8	44.2	75.5
8/17/2013	2:00 AM	54.9	67.0	57.7	46.0	44.8	43.7	71.6
8/17/2013	3:00 AM	53.0	65.9	53.4	45.8	44.3	43.3	71.9
8/17/2013	4:00 AM	57.0	68.6	61.0	47.3	45.3	44.2	73.1
8/17/2013	5:00 AM	60.1	69.3	63.7	49.5	45.4	43.3	83.0
8/17/2013	6:00 AM	62.3	76.3	64.7	53.4	47.5	45.9	82.3
8/17/2013	7:00 AM	60.7	68.7	65.2	56.4	47.8	45.2	71.9
8/17/2013	8:00 AM	62.0	71.1	65.6	57.3	49.1	43.7	83.0
8/17/2013	9:00 AM	61.6	69.6	65.0	58.9	49.7	44.9	79.2
8/17/2013	10:00 AM	61.0	68.0	64.0	58.5	51.6	47.0	81.6
8/17/2013	11:00 AM	61.3	70.4	63.8	58.1	53.8	49.1	81.7
8/17/2013	12:00 PM	61.7	72.2	63.3	58.2	54.6	52.2	81.9

Traffic Intersections	Lane Group	Existing- BALANCED				NB Total				BD Increment				BD Total				
		Wkday MD	Wkday PM	Sat MD	Sat PM	Wkday MD	Wkday PM	Sat MD	Sat PM	Wkday MD	Wkday PM	Sat MD	Sat PM	Wkday MD	Wkday PM	Sat MD	Sat PM	
1 Broadway & Van Dam Street	EB	L	19	13	11	7	20	13	11	7	0	0	0	0	20	13	11	7
		T	582	497	498	280	599	512	513	288	1	0	2	0	600	512	515	288
	WB	R	39	31	30	25	40	32	31	26	0	0	0	0	40	32	31	26
		L	407	321	335	320	529	417	436	416	0	0	0	0	529	417	436	416
	NB	T	395	398	361	323	407	410	372	333	0	1	0	1	407	411	372	334
		L	34	27	23	32	35	28	24	33	0	0	0	0	35	28	24	33
	SB	T	70	76	44	93	72	78	45	96	0	3	0	3	72	81	45	99
		R	351	382	409	466	456	497	532	606	0	0	0	0	456	497	532	606
		T	93	78	74	60	96	80	76	62	1	0	1	0	97	80	77	62
		R	42	43	30	23	43	44	31	24	0	0	0	0	43	44	31	24
2 Broadway & Lake Avenue	EB	L	96	99	78	65	99	102	80	67	0	0	0	0	99	102	80	67
		T	266	257	256	147	274	265	264	151	3	0	2	0	277	265	266	151
	WB	R	84	62	73	62	87	64	75	64	0	0	0	0	87	64	75	64
		L	127	146	145	77	131	150	149	79	0	0	0	0	131	150	149	79
	NB	T	292	314	258	231	301	323	266	238	0	0	0	0	301	323	266	238
		R	54	49	43	175	56	50	44	180	0	1	0	1	56	51	44	181
	SB	L	46	66	60	75	47	68	62	77	0	0	0	0	47	68	62	77
		T	351	405	401	430	456	527	521	559	0	2	0	2	456	529	521	561
		R	101	74	129	130	104	76	133	134	1	0	1	0	105	76	134	134
		L	44	29	31	20	45	30	32	21	1	0	1	0	46	30	33	21
SB	T	412	354	375	387	536	460	488	503	0	0	0	0	536	460	488	503	
	R	91	66	52	53	94	68	54	55	0	0	0	0	94	68	54	55	
3 Broadway & Washington Street	EB	L	155	148	137	87	160	152	141	90	0	0	0	0	160	152	141	90
		R	137	110	146	73	141	113	150	75	0	0	0	0	141	113	150	75
	NB	L	81	134	54	135	83	138	56	139	0	0	0	0	83	138	56	139
		T	509	546	527	695	611	660	632	831	1	2	1	2	612	662	633	833
	SB	T	461	353	441	413	564	436	539	502	0	0	0	0	564	436	539	502
		R	109	115	87	95	112	118	90	98	0	0	0	0	112	118	90	98
4 Broadway & Congress Street/Historic Park	EB	L	269	205	232	181	277	211	239	186	1	0	1	0	278	211	240	186
		R	101	93	80	52	104	96	82	54	0	0	0	0	104	96	82	54
	WB	L	4	1	4	1	4	1	4	1	0	0	0	0	4	1	4	1
		R	1	3	0	3	1	3	0	3	0	0	0	0	1	3	0	3
	NB	L	51	53	30	65	53	55	31	67	0	0	0	0	53	55	31	67
		T	467	482	448	560	578	595	558	687	3	0	3	0	581	595	561	687
	SB	R	2	3	2	5	2	3	2	5	0	0	0	0	2	3	2	5
		L	3	2	3	2	3	2	3	2	0	0	0	0	3	2	3	2
		T	500	444	455	493	612	541	554	595	0	2	0	1	612	543	554	596
		R	197	178	135	146	203	183	139	150	0	0	0	0	203	183	139	150
5 Broadway & Spring Street	WB	L	225	231	159	214	248	254	175	235	0	2	0	1	248	256	175	236
		R	133	181	93	254	146	199	102	279	0	2	0	2	146	201	102	281
	NB	T	457	499	488	576	548	599	586	691	1	0	1	0	549	599	587	691
		R	280	191	192	168	308	210	211	185	3	0	3	0	311	210	214	185
	SB	L	123	70	153	59	135	77	168	65	0	0	0	0	135	77	168	65
T	475	393	434	427	570	472	521	512	0	0	0	0	570	472	521	512		
6 Broadway & Circular Street/Ballston Ave	EB	L	147	141	161	155	151	145	166	160	2	0	2	0	153	145	168	160
		T	225	189	217	124	232	195	224	128	4	0	3	0	236	195	227	128
	WB	R	33	29	27	33	34	30	28	34	0	0	0	0	34	30	28	34
		L	98	100	95	140	101	103	98	144	0	2	0	2	101	105	98	146
	NB	T	256	380	235	334	264	391	242	344	0	5	0	4	264	396	242	348
		R	36	42	30	175	37	43	31	180	0	0	0	0	37	43	31	180
	SB	T	344	408	325	375	447	530	423	488	1	0	1	0	448	530	424	488
		R	108	76	115	150	111	78	118	155	2	0	2	0	113	78	120	155
	SB	T	380	365	349	355	494	475	454	462	0	2	0	1	494	477	454	463
		R	173	171	156	167	178	176	161	172	0	0	0	0	178	176	161	172
7 Broadway & Lincoln Avenue	EB	L	107	123	120	134	110	127	124	138	0	0	0	0	110	127	124	138
		T	103	113	97	132	106	116	100	136	0	0	0	0	106	116	100	136
	WB	R	29	41	26	52	30	42	27	54	0	0	0	0	30	42	27	54
		L	24	18	25	17	25	19	26	18	0	0	0	0	25	19	26	18
		T	306	259	314	134	315	267	323	138	0	0	0	0	315	267	323	138

		R	27	35	32	25	28	36	33	26	0	0	0	0	28	36	33	26	
	NB	L	72	44	91	40	74	45	94	41	0	0	0	0	74	45	94	41	
		T	413	425	364	457	537	553	473	594	3	0	3	0	540	553	476	594	
		R	44	32	26	29	45	33	27	30	0	0	0	0	45	33	27	30	
	SB	L	151	115	127	79	156	118	131	81	0	0	0	0	156	118	131	81	
		T	369	381	341	358	480	495	443	465	0	4	0	3	480	499	443	468	
		R	34	39	15	30	35	40	15	31	0	0	0	0	35	40	15	31	
8	Broadway & Crescent Avenue	WB	L	44	211	56	316	45	217	58	325	0	1	0	1	45	218	58	326
			R	124	178	134	140	128	183	138	144	0	0	0	0	128	183	138	144
		T	937	875	978	623	1218	1138	1271	810	8	0	7	0	1226	1138	1278	810	
		R	701	323	710	355	722	333	731	366	5	0	4	0	727	333	735	366	
	SB	L	246	217	215	216	253	224	221	222	0	0	0	0	253	224	221	222	
		T	663	848	527	795	862	1102	685	1034	0	8	0	6	862	1110	685	1040	
9	Broadway & Crescent Street	WB	L	45	93	25	179	46	96	26	184	0	4	0	3	46	100	26	187
			R	112	150	112	147	115	155	115	151	0	0	0	0	115	155	115	151
		T	805	930	837	579	1047	1209	1088	753	3	0	3	0	1050	1209	1091	753	
		R	238	135	255	104	245	139	263	107	5	0	4	0	250	139	267	107	
	SB	L	170	14	161	0	175	14	166	0	0	0	0	0	175	14	166	0	
		T	737	901	643	736	958	1171	836	957	0	4	0	3	958	1175	836	960	
10	Union Avenue & Circular Street	WB	L	148	256	153	350	152	264	158	361	0	7	0	6	152	271	158	367
		R	110	227	112	315	121	250	123	347	0	6	0	5	121	256	123	352	
	NB	T	335	336	295	223	345	346	304	230	0	0	0	0	345	346	304	230	
		R	230	185	272	121	237	191	280	125	6	0	5	0	243	191	285	125	
	SB	L	280	150	319	130	308	165	351	143	8	0	7	0	316	165	358	143	
		T	336	324	292	223	346	334	301	230	0	0	0	0	346	334	301	230	
11	Lake Avenue & High Rock Avenue	EB	L	59	68	72	60	61	70	74	62	0	0	0	0	61	70	74	62
			T	426	364	404	204	439	375	416	210	5	0	4	0	444	375	420	210
		R	12	14	9	26	12	14	9	27	0	0	0	0	12	14	9	27	
	WB	L	19	11	3	28	20	11	3	29	0	0	0	0	20	11	3	29	
		T	398	419	364	438	410	432	375	451	0	1	0	1	410	433	375	452	
		R	40	20	33	67	41	21	34	69	0	0	0	0	41	21	34	69	
	NB	L	3	7	5	3	3	7	5	3	0	0	0	0	3	7	5	3	
		T	5	3	13	2	5	3	13	2	0	0	0	0	5	3	13	2	
		R	6	7	5	1	6	7	5	1	0	0	0	0	6	7	5	1	
	SB	L	26	19	59	12	27	20	61	12	0	0	0	0	27	20	61	12	
		T	9	12	11	11	9	12	11	11	0	0	0	0	9	12	11	11	
		R	71	77	102	38	73	79	105	39	0	0	0	0	73	79	105	39	
12	East Avenue & Union Avenue	EB	L	115	155	108	64	118	160	111	66	5	0	4	0	123	160	115	66
			T	242	366	316	402	266	403	348	442	8	4	7	3	274	407	355	445
		R	124	3	42	5	128	3	43	5	6	0	5	0	134	3	48	5	
	WB	L	0	1	96	0	0	1	99	0	12	0	10	0	12	1	109	0	
		T	506	360	471	360	557	396	518	396	5	6	4	5	562	402	522	401	
		R	242	114	207	95	249	117	213	98	8	2	7	2	257	119	220	100	
	NB	L	6	14	1	31	6	14	1	32	0	4	0	3	6	18	1	35	
		T	7	31	6	48	7	32	6	49	0	7	0	6	7	39	6	55	
		R	6	47	14	68	6	48	14	70	0	10	0	9	6	58	14	79	
	SB	L	95	151	70	175	98	156	72	180	1	8	1	7	99	164	73	187	
		T	83	14	48	0	85	14	49	0	6	0	5	0	91	14	54	0	
		R	141	115	115	74	145	118	118	76	1	3	1	3	146	121	119	79	
13	East Avenue & Lake Avenue	EB	L	35	37	36	39	36	38	37	40	0	0	0	0	36	38	37	40
			T	467	454	474	340	481	468	488	350	0	0	0	0	481	468	488	350
		R	60	37	33	21	62	38	34	22	0	0	0	0	62	38	34	22	
	WB	L	86	43	97	33	89	44	100	34	6	0	5	0	95	44	105	34	
		T	446	388	477	385	459	400	491	397	0	0	0	0	459	400	491	397	
		R	60	69	66	68	62	71	68	70	0	0	0	0	62	71	68	70	
	NB	L	21	41	30	61	22	42	31	63	0	0	0	0	22	42	31	63	
		T	75	165	60	245	77	170	62	252	0	15	0	13	77	185	62	265	
		R	15	107	39	76	15	110	40	78	0	6	0	5	15	116	40	83	
	SB	L	48	44	66	39	49	45	68	40	0	0	0	0	49	45	68	40	
		T	312	129	283	91	321	133	291	94	19	0	17	0	340	133	308	94	
		R	32	27	44	13	33	28	45	13	0	0	0	0	33	28	45	13	
14	East Avenue & Excelsior Avenue	EB	L	66	79	49	74	68	81	50	76	0	0	0	0	68	81	50	76

		T	355	398	364	237	366	410	375	244	0	0	0	0	366	410	375	244	
		R	32	20	38	15	33	21	39	15	0	0	0	0	33	21	39	15	
	WB	L	208	83	209	69	214	85	215	71	9	0	8	0	223	85	223	71	
		T	267	258	245	156	275	266	252	161	0	0	0	0	275	266	252	161	
		R	14	17	12	7	14	18	12	7	0	0	0	0	14	18	12	7	
	NB	L	18	18	17	19	19	19	18	20	0	0	0	0	19	19	18	20	
		T	82	119	63	173	84	123	65	178	0	8	0	7	84	131	65	185	
		R	82	143	72	181	84	147	74	186	0	7	0	6	84	154	74	192	
	SB	L	20	21	21	6	21	22	22	6	0	0	0	0	21	22	22	6	
		T	144	105	137	48	148	108	141	49	10	0	9	0	158	108	150	49	
		R	51	45	66	35	53	46	68	36	0	0	0	0	53	46	68	36	
15	East Avenue & CR 50	EB	L	13	12	11	5	13	12	11	5	0	0	0	0	13	12	11	5
			T	820	836	832	610	1066	1087	1082	793	0	0	0	0	1066	1087	1082	793
			R	25	12	26	13	26	12	27	13	1	0	2	0	27	12	29	13
		WB	L	88	54	106	48	91	56	109	49	5	0	4	0	96	56	113	49
			T	830	760	731	726	1079	988	950	944	0	0	0	0	1079	988	950	944
			R	131	96	61	49	135	99	63	50	0	0	0	135	99	63	50	
		NB	L	10	15	5	28	10	15	5	29	0	1	0	1	10	16	5	30
			T	105	99	81	85	108	102	83	88	0	3	0	3	108	105	83	91
			R	39	86	44	139	40	89	45	143	0	4	0	3	40	93	45	146
		SB	L	176	179	92	48	181	184	95	49	0	0	0	0	181	184	95	49
			T	95	99	82	41	98	102	84	42	4	0	3	0	102	102	87	42
			R	19	11	11	8	20	11	11	8	0	0	0	0	20	11	11	8
16	Marion Avenue & CR 50	EB	L	99	162	117	151	102	167	121	156	0	0	0	0	102	167	121	156
			T	930	935	850	645	1179	1189	1100	828	0	4	0	3	1179	1193	1100	831
			R	6	4	1	1	6	4	1	1	0	0	0	0	6	4	1	1
		WB	L	5	59	97	46	5	61	100	47	3	0	3	0	8	61	103	47
			T	912	801	752	726	1164	1031	971	943	5	0	4	0	1169	1031	975	943
			R	234	261	213	159	241	269	219	164	0	0	0	0	241	269	219	164
		NB	L	5	6	17	4	5	6	18	4	0	0	0	0	5	6	18	4
			T	166	229	173	204	171	236	178	210	0	5	0	4	171	241	178	214
			R	50	55	64	79	52	57	66	81	0	2	0	2	52	59	66	83
		SB	L	220	208	296	134	227	214	305	138	0	0	0	0	227	214	305	138
			T	212	119	195	138	218	123	201	142	6	0	5	0	224	123	206	142
			R	132	103	129	93	136	106	133	96	0	0	0	0	136	106	133	96
17	Nelson Avenue & Union Avenue	EB	L	69	65	58	42	71	67	60	43	0	0	0	0	71	67	60	43
			T	381	239	448	159	419	263	493	175	11	0	9	0	430	263	502	175
			R	98	50	115	74	101	52	118	76	3	0	3	0	104	52	121	76
		WB	L	28	150	185	224	29	155	191	231	6	4	5	3	35	159	196	234
			T	175	390	197	458	193	429	217	504	0	9	0	8	193	438	217	512
			R	20	36	30	41	21	37	31	42	0	0	0	0	21	37	31	42
		NB	L	26	54	45	102	27	56	46	105	0	4	0	3	27	60	46	108
			T	136	185	215	254	140	191	221	262	0	0	0	0	140	191	221	262
			R	198	213	180	162	204	219	185	167	8	4	7	3	212	223	192	170
		SB	L	56	21	68	22	58	22	70	23	0	0	0	0	58	22	70	23
			T	295	225	257	175	304	232	265	180	0	0	0	0	304	232	265	180
			R	50	42	31	65	52	43	32	67	0	0	0	0	52	43	32	67
18	Nelson Avenue & Lincon Avenue	EB	L	102	109	104	128	105	112	107	132	0	0	0	0	105	112	107	132
			T	89	19	98	36	92	20	101	37	0	0	0	0	92	20	101	37
			R	34	32	58	25	35	33	60	26	0	0	0	0	35	33	60	26
		WB	L	27	20	4	30	28	21	4	31	0	2	0	2	28	23	4	33
			T	31	43	15	50	32	44	15	52	0	0	0	0	32	44	15	52
			R	27	40	50	80	28	41	52	82	0	4	0	3	28	45	52	85
		NB	L	33	40	16	26	34	41	16	27	0	0	0	0	34	41	16	27
			T	242	293	293	295	249	302	302	304	8	4	7	3	257	306	309	307
			R	21	27	40	32	22	28	41	33	2	0	2	0	24	28	43	33
		SB	L	72	38	86	65	74	39	89	67	5	0	5	0	79	39	94	67
			T	290	344	392	358	299	354	404	369	4	4	3	3	303	358	407	372
			R	56	50	68	56	58	52	70	58	0	0	0	0	58	52	70	58
19	Nelson Avenue & Crescent Street	EB	L	134	65	111	45	138	67	114	46	5	0	4	0	143	67	118	46
			R	38	60	66	96	39	62	68	99	0	0	0	0	39	62	68	99
		NB	L	45	24	68	20	46	25	70	21	0	0	0	0	46	25	70	21

		T	364	230	360	157	375	237	371	162	11	0	9	0	386	237	380	162
	SB	T	203	385	248	403	209	397	255	415	0	7	0	6	209	404	255	421
		R	37	69	63	75	38	71	65	77	0	4	0	3	38	75	65	80
20	Nelson Avenue & Gridley Street	EB	L	14	9	13	10	14	9	13	10	0	0	0	14	9	13	10
			T	45	6	52	6	46	6	54	6	0	0	0	46	6	54	6
			R	23	27	18	101	24	28	19	104	0	0	0	24	28	19	104
		WB	L	19	46	22	112	20	47	23	115	0	0	0	20	47	23	115
			T	15	26	25	57	15	27	26	59	0	0	0	15	27	26	59
			R	18	47	19	43	19	48	20	44	0	0	0	19	48	20	44
		NB	L	23	21	37	16	24	22	38	16	0	0	0	24	22	38	16
			T	409	193	414	108	421	199	426	111	11	0	9	432	199	435	111
			R	62	21	97	14	64	22	100	14	0	0	0	64	22	100	14
		SB	L	46	33	75	14	47	34	77	14	0	0	0	47	34	77	14
			T	183	404	220	433	188	416	227	446	0	7	0	188	423	227	452
			R	7	27	15	44	7	28	15	45	0	0	0	7	28	15	45
21	Nelson Avenue & Crescent Avenue	EB	L	231	73	232	47	238	75	239	48	5	0	4	243	75	243	48
			T	110	240	135	237	113	247	139	244	0	0	0	113	247	139	244
			R	11	12	13	22	11	12	13	23	0	0	0	11	12	13	23
		WB	L	2	2	6	1	2	2	6	1	0	0	0	2	2	6	1
			T	62	62	84	60	64	64	87	62	0	0	0	64	64	87	62
			R	56	34	125	39	58	35	129	40	3	0	2	61	35	131	40
		NB	L	3	5	21	0	3	5	22	0	0	0	0	3	5	22	0
			T	90	19	135	9	93	20	139	9	3	0	3	96	20	142	9
			R	6	2	13	3	6	2	13	3	0	0	0	6	2	13	3
		SB	L	79	248	70	413	81	255	72	425	0	6	0	81	261	72	430
			T	10	31	20	30	10	32	21	31	0	0	0	10	32	21	31
			R	23	54	27	61	24	56	28	63	0	1	0	24	57	28	64
22	Circular Street & Spring Street	EB	L	71	41	43	34	73	42	44	35	0	0	0	73	42	44	35
			T	79	42	73	37	81	43	75	38	0	0	0	81	43	75	38
			R	220	145	229	120	242	160	252	132	3	0	3	245	160	255	132
		WB	L	9	15	14	16	9	15	14	16	0	0	0	9	15	14	16
			T	55	40	21	99	57	41	22	102	0	0	0	57	41	22	102
			R	4	10	3	6	4	10	3	6	0	0	0	4	10	3	6
		NB	L	108	218	101	309	119	240	111	340	0	4	0	119	244	111	343
			T	299	321	288	217	308	331	297	224	0	2	0	308	333	297	226
			R	16	8	18	13	16	8	19	13	0	0	0	16	8	19	13
		SB	L	75	31	19	8	77	32	20	8	0	0	0	77	32	20	8
			T	372	295	356	224	383	304	367	231	5	0	4	388	304	371	231
			R	15	10	57	75	15	10	59	77	0	0	0	15	10	59	77
23	Circular Street & Lake Avenue	EB	L	22	20	13	19	23	21	13	20	0	0	0	23	21	13	20
			T	363	335	380	197	374	345	391	203	0	0	0	374	345	391	203
			R	97	50	86	45	100	52	89	46	5	0	4	105	52	93	46
		WB	L	117	111	125	87	121	114	129	90	0	0	0	121	114	129	90
			T	371	356	365	469	382	367	376	483	0	0	0	382	367	376	483
			R	4	8	25	11	4	8	26	11	0	0	0	4	8	26	11
		NB	L	94	98	70	128	97	101	72	132	0	1	0	97	102	72	133
			T	164	166	148	176	169	171	152	181	0	1	0	169	172	152	182
			R	135	135	141	60	139	139	145	62	0	0	0	139	139	145	62
		SB	L	5	10	15	3	5	10	15	3	0	0	0	5	10	15	3
			T	150	105	129	73	155	108	133	75	0	0	0	155	108	133	75
			R	11	8	20	11	11	8	21	11	0	0	0	11	8	21	11
24-27	I-87 Int 13 NB Ramps	EB	R	88	188	70	57	91	194	72	59	0	0	0	91	194	72	59
		WB	R	1232	910	975	666	1428	1088	1329	807	6	0	5	1434	1088	1334	807
		NB	T	517	458	624	261	831	746	1135	460	6	0	5	837	746	1140	460
			R	287	375	414	162	296	386	426	167	0	0	0	296	386	426	167
		SB	T	431	633	442	403	560	785	575	524	0	2	0	560	787	575	526
			R	176	187	257	154	181	193	265	159	0	2	0	181	195	265	161
25-28	I-87 Int 13 SB Ramps	EB	R	130	298	219	191	134	307	226	197	0	0	0	134	307	226	197
		WB	R	209	210	188	219	215	216	194	226	1	0	1	216	216	195	226
		NB	T	1694	1372	1874	946	2202	1784	2436	1230	12	0	10	2214	1784	2446	1230
			R	55	49	27	36	57	50	28	37	0	0	0	57	50	28	37
		SB	T	477	516	481	383	607	671	614	486	0	4	0	607	675	614	489

29	I-87 Int 14 NB Ramps	EB	R	542	757	466	650	558	780	480	670	0	5	0	4	558	785	480	674
			T	193	246	200	387	207	268	214	418	0	10	0	9	207	278	214	427
		WB	R	109	310	93	257	113	321	96	266	0	7	0	6	113	328	96	272
			T	280	266	270	232	316	289	278	247	12	0	10	0	328	289	288	247
		SB	L	54	61	48	41	56	63	49	42	0	0	0	0	56	63	49	42
			L	120	250	137	147	124	258	141	151	0	0	0	0	124	258	141	151
		T	2	3	1	2	2	3	1	2	0	0	0	2	3	1	2		
		R	731	302	774	166	757	313	801	172	35	0	30	0	792	313	831	172	
30-31	I-87 Int 14 SB Ramps	EB	T	241	462	227	588	257	492	242	626	0	17	0	15	257	509	242	641
			R	201	573	189	1091	208	593	196	1129	0	31	0	26	208	624	196	1155
		WB	L	103	94	67	115	106	97	69	118	0	0	0	0	106	97	69	118
			T	908	474	977	283	967	505	1010	301	47	0	40	0	1014	505	1050	301
		SB	L	61	94	66	56	63	97	68	58	0	0	0	0	63	97	68	58
			T	2	3	0	0	2	3	0	0	0	0	0	0	2	3	0	0
		R	202	96	270	66	209	99	279	68	13	0	11	0	222	99	290	68	
32	I-87 Int 15 NB Ramps	EB	L	233	330	281	223	240	340	289	230	0	1	0	1	240	341	289	231
			T	1224	1104	1194	839	1578	1435	1552	1091	0	4	0	3	1578	1439	1552	1094
		WB	T	1143	1113	1077	927	1443	1424	1345	1145	5	0	4	0	1448	1424	1349	1145
			R	286	366	362	264	295	377	373	272	0	0	0	0	295	377	373	272
		NB	L	228	317	217	144	235	327	224	148	1	0	1	0	236	327	225	148
			T	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0
		R	531	736	542	378	547	758	558	389	0	0	0	0	547	758	558	389	
33-34	I-87 Int 15 SB Ramps	EB	T	1176	1117	1203	895	1529	1448	1561	1149	0	5	0	4	1529	1453	1561	1153
			R	192	183	266	161	198	188	274	166	0	1	0	1	198	189	274	167
		WB	L	387	400	421	368	399	412	434	379	0	0	0	0	399	412	434	379
			T	984	1030	873	703	1279	1339	1135	914	6	0	5	0	1285	1339	1140	914
		SB	L	281	317	272	167	289	327	280	172	0	0	0	0	289	327	280	172
			T	1	2	0	0	1	2	0	0	0	0	0	0	1	2	0	0
		R	430	302	351	247	443	311	362	254	2	0	2	0	445	311	364	254	
35	Union Avenue & Henning Road	EB	L	60	107	52	90	62	110	54	93	3	0	3	0	65	110	57	93
			T	261	703	245	1045	279	743	262	1102	0	34	0	29	279	777	262	1131
		WB	R	8	8	6	4	8	8	6	4	0	0	0	0	8	8	6	4
			L	8	2	1	0	8	2	1	0	0	0	0	0	8	2	1	0
		NB	T	739	376	874	262	794	404	905	279	40	0	34	0	834	404	939	279
			R	363	192	372	87	374	198	383	90	20	0	17	0	394	198	400	90
		SB	L	1	3	4	1	1	3	4	1	0	0	0	0	1	3	4	1
			T	5	5	1	0	5	5	1	0	0	0	0	0	5	5	1	0
		WB	R	1	4	1	3	1	4	1	3	0	0	0	0	1	4	1	3
			L	180	328	170	631	185	338	175	650	0	14	0	12	185	352	175	662
		SB	T	6	6	3	2	6	6	3	2	0	0	0	0	6	6	3	2
			R	61	34	51	65	63	35	53	67	0	2	0	2	63	37	53	69
36	Henning Road & Lake Avenue	EB	L	3	1	6	1	3	1	6	1	0	0	0	0	3	1	6	1
			T	440	518	468	333	453	534	482	343	0	0	0	0	453	534	482	343
		WB	R	59	73	59	77	61	75	61	79	0	0	0	0	61	75	61	79
			L	162	109	150	104	167	112	155	107	0	0	0	0	167	112	155	107
		NB	T	510	395	480	276	525	407	494	284	0	0	0	0	525	407	494	284
			R	4	1	2	3	4	1	2	3	0	0	0	0	4	1	2	3
		SB	L	119	80	82	107	123	82	84	110	0	0	0	0	123	82	84	110
			T	4	3	5	0	4	3	5	0	0	0	0	0	4	3	5	0
		WB	R	128	221	106	198	132	228	109	204	0	4	0	3	132	232	109	207
			L	7	3	5	3	7	3	5	3	0	0	0	0	7	3	5	3
		SB	T	6	2	5	1	6	2	5	1	0	0	0	0	6	2	5	1
			R	2	5	5	5	2	5	5	5	0	0	0	0	2	5	5	5
37	New Street/W. Fenlon St & Ballston Ave	EB	L	116	75	99	48	119	77	102	49	0	0	0	0	119	77	102	49
			T	221	199	208	84	228	205	214	87	0	0	0	0	228	205	214	87
		WB	R	8	9	18	1	8	9	19	1	0	0	0	0	8	9	19	1
			L	41	43	31	25	42	44	32	26	0	0	0	0	42	44	32	26
		NB	T	191	350	144	144	197	361	148	148	0	0	0	0	197	361	148	148
			R	71	78	81	55	73	80	83	57	0	0	0	0	73	80	83	57
		SB	L	12	7	5	2	12	7	5	2	0	0	0	0	12	7	5	2
			T	647	519	637	346	666	535	656	356	6	0	5	0	672	535	661	356
				R	21	14	37	17	22	14	38	18	0	0	0	22	14	38	18

		SB	L	68	57	70	45	70	59	72	46	0	0	0	0	70	59	72	46
			T	534	406	418	393	550	418	431	405	0	5	0	4	550	423	431	409
			R	78	84	61	57	80	87	63	59	0	0	0	0	80	87	63	59
38	Nelson Ave & Webster Street	EB	L	4	6	4	3	4	6	4	3	0	0	0	0	4	6	4	3
			R	7	10	8	10	7	10	8	10	0	0	0	0	7	10	8	10
		NB	L	24	11	25	20	25	11	26	21	0	0	0	0	25	11	26	21
			T	292	354	345	350	301	365	355	361	10	4	9	3	311	369	364	364
		SB	T	332	381	430	390	342	393	443	402	4	6	3	5	346	399	446	407
			R	19	15	24	23	20	15	25	24	0	0	0	0	20	15	25	24
39	Nelson Ave & Wright Street	EB	L	8	12	11	13	8	12	11	13	0	0	0	0	8	12	11	13
			T	34	12	40	0	35	12	41	0	0	0	0	0	35	12	41	0
			R	14	27	16	8	14	28	16	8	0	0	0	0	14	28	16	8
		WB	L	19	24	22	59	20	25	23	61	0	5	0	4	20	30	23	65
			T	34	7	40	35	35	7	41	36	0	0	0	0	35	7	41	36
			R	37	48	55	64	38	49	57	66	0	4	0	3	38	53	57	69
		NB	L	55	12	35	4	57	12	36	4	0	0	0	0	57	12	36	4
			T	311	271	350	225	320	279	361	232	10	0	9	0	330	279	370	232
			R	97	23	65	0	100	24	67	0	6	0	4	0	106	24	71	0
		SB	L	57	28	72	3	59	29	74	3	4	0	3	0	63	29	77	3
			T	227	355	283	391	234	366	291	403	0	6	0	5	234	372	291	408
			R	45	31	57	15	46	32	59	15	0	0	0	0	46	32	59	15

Noise Level Time Adjustments based on Daily Traffic

Along Delivery Route

8/17/2013	Union Ave EB	Union Ave WB	Nelson Ave NB	Nelson Ave SB
6:00 AM	16	49	7	21
6:15 AM	31	76	16	23
6:30 AM	21	70	18	31
6:45 AM	25	91	34	44
4:00 PM	216	104	70	97
4:15 PM	176	147	74	106
4:30 PM	230	157	57	98
4:45 PM	175	104	55	78
Ratio	0.290		0.306	
dB adjust	-5.4		-5.1	

Site 1

Sat MD	1373
Sat PM	1108
Ratio	1.239
dB adjust	0.9