

Appendix 4.6-C

Updated Noise Impacts and Mitigation for the Stoughton Electric Alternative

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Appendix A

Noise and Vibration Tables



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Sound Level Results and Mitigation Table

Residence ID	Street	Town	Station #	Side of Track	Land Use	Noise Exposure (dBA)		FTA Criteria, L _{dn} (dBA)	
						Existing	Project plus existing	Severe Impact	Cost Justified
	Brock Street	S T O U G H T O N							
1411			1011+69.99	E	residential	50	69	60	\$30,000
	Plain Street								
1370			1039+22.08	E	residential	61	66	64	\$10,000
1375			1035+49.67	E	residential	61	68	64	\$20,000
1378			1032+32.91	E	residential	61	69	64	\$25,000
1381			1030+85.95	E	residential	61	71	64	\$30,000
1385			1028+81.08	E	residential	61	66	64	\$10,000
1388			1027+96.37	E	residential	61	69	64	\$25,000
1390			1027+04.03	E	residential	61	68	64	\$20,000
1391			1026+33.91	E	residential	61	69	64	\$25,000
1393			1025+54.07	E	residential	61	69	64	\$25,000
1396			1024+67.80	E	residential	61	69	64	\$25,000
1398			1023+80.72	E	residential	61	68	64	\$20,000
1400		1022+75.46	E	residential	61	67	64	\$15,000	
	Morton								
1342		1111+38.89	E	residential	59	69	63	\$30,000	
1348		1074+93.11	E	residential	59	65	63	\$10,000	
1350		1068+17.56	E	residential	59	66	63	\$15,000	
1352		1063+52.41	E	residential	59	67	63	\$20,000	
1355		1060+19.23	E	residential	59	65	63	\$10,000	
1358		1054+00.29	E	residential	59	64	63	\$5,000	
1359		1053+81.93	E	residential	59	70	63	\$30,000	
1361		1052+16.85	E	residential	59	69	63	\$30,000	
	Rolling Green								
615		2522+72.88	W	residential	47	61	59	\$10,000	
617		2520+14.94	W	residential	47	61	59	\$10,000	
621		2515+68.58	W	residential	47	62	59	\$15,000	
638		2498+25.43	W	residential	47	60	59	\$5,000	
644		2497+36.24	E	residential	47	63	59	\$20,000	
649		2496+26.41	E	residential	47	63	59	\$20,000	
653		2495+14.66	W	residential	47	64	59	\$25,000	
657		2494+10.41	E	residential	47	64	59	\$25,000	
662		2493+03.55	W	residential	47	64	59	\$25,000	
663		2492+01.86	W	residential	47	64	59	\$25,000	
667		2491+03.55	E	residential	47	65	59	\$30,000	
669		2488+95.68	E	residential	47	60	59	\$5,000	
670		2489+93.19	E	residential	47	64	59	\$25,000	
	North Main								
539		2626+20.83	E	residential	60	65	63	\$10,000	
542		2622+67.48	E	residential	60	66	63	\$15,000	
572		2581+91.45	E	residential	60	68	63	\$25,000	
576		2580+39.63	W	residential	60	67	63	\$20,000	
580		2579+23.88	E	residential	60	66	63	\$15,000	
585		2575+47.67	E	residential	60	65	63	\$10,000	
	Cory								
337		2696+85.10	E	residential	55	66	61	Noise Barrier	
338		2696+52.71	E	residential	55	64	61	Noise Barrier	
342		2695+82.80	E	residential	55	65	61	Noise Barrier	
349		2694+40.05	E	residential	55	64	61	Noise Barrier	
351		2694+49.08	W	residential	55	66	61	Noise Barrier	
353		2694+88.28	W	residential	55	69	61	\$30,000	
354		2694+99.78	E	residential	55	65	61	\$20,000	
357		2694+56.03	E	residential	55	65	61	\$20,000	
361		2694+18.21	W	residential	55	64	61	\$15,000	
362		2693+11.69	W	residential	55	64	61	Noise Barrier	
364		2693+73.66	W	residential	55	64	61	\$15,000	
366		2692+35.38	W	residential	55	65	61	Noise Barrier	
369		2692+93.10	W	residential	55	67	61	\$30,000	
375		2691+10.57	W	residential	55	64	61	Noise Barrier	
380		2690+51.95	W	residential	55	64	61	Noise Barrier	
387		2689+93.69	W	residential	55	65	61	Noise Barrier	
392		2689+47.81	E	residential	55	65	61	Noise Barrier	
394		2688+99.83	W	residential	55	65	61	Noise Barrier	
401		2688+51.40	W	residential	55	65	61	Noise Barrier	
406		2687+99.43	W	residential	55	65	61	Noise Barrier	
410		2687+45.15	W	residential	55	67	61	Noise Barrier	
411		2687+71.81	W	residential	55	64	61	Noise Barrier	
414		2686+77.01	W	residential	55	70	61	Noise Barrier	
415		2686+83.02	W	residential	55	65	61	Noise Barrier	
417		2686+42.76	W	residential	55	65	61	Noise Barrier	
419		2685+76.51	W	residential	55	68	61	Noise Barrier	
422		2685+17.54	W	residential	55	66	61	Noise Barrier	
425		2684+36.31	E	residential	55	68	61	Noise Barrier	
427		2684+50.57	W	residential	55	64	61	Noise Barrier	
431		2683+66.53	W	residential	55	64	61	Noise Barrier	
434		2683+17.23	W	residential	55	63	61	Noise Barrier	
437		2681+96.84	W	residential	55	68	61	Noise Barrier	
441		2681+14.24	W	residential	55	67	61	Noise Barrier	
447		2679+82.06	W	residential	55	65	61	Noise Barrier	
450		2679+36.85	W	residential	55	63	61	Noise Barrier	
453		2678+94.31	W	residential	55	63	61	Noise Barrier	
472		2671+88.12	W	residential	55	65	61	\$20,000	
477		2670+19.00	E	residential	55	65	61	\$20,000	
479		2668+82.31	E	residential	55	65	61	\$20,000	
482		2668+06.69	E	residential	55	65	61	\$20,000	

Residence ID	Street	Town	Station #	Side of Track	Land Use	Noise Exposure (dBA)		FTA Criteria, L _{dn} (dBA)	
						Existing	Project plus existing	Severe Impact	Cost Justified
485			2667+13.50	E	residential	55	65	61	\$20,000
492			2666+11.62	W	residential	55	66	61	\$25,000
493			2665+36.30	E	residential	55	65	61	\$20,000
495			2666+26.29	W	residential	55	64	61	\$15,000
498			2664+04.97	W	residential	55	65	61	\$20,000
513			2654+82.92	W	residential	55	70	61	\$30,000
516			2653+51.76	E	residential	55	64	61	\$15,000
524			2651+03.61	W	residential	55	63	61	\$10,000
525			2649+65.96	W	residential	55	65	61	\$20,000
526			2649+13.41	W	residential	55	64	61	\$15,000
529			2648+64.25	W	residential	55	64	61	\$15,000
530			2648+09.82	W	residential	55	64	61	\$15,000
531			2647+58.16	W	residential	55	64	61	\$15,000
533			2646+73.80	E	residential	55	66	61	\$25,000
535			2646+19.75	W	residential	55	65	61	\$20,000
Durfee									
129			2796+92.97	W	residential	55	66	61	\$25,000
133			2795+12.69	W	residential	55	62	61	\$5,000
135			2794+66.09	W	residential	55	63	61	\$10,000
136			2796+64.26	E	residential	55	66	61	\$25,000
137			2794+07.49	E	residential	55	62	61	\$5,000
143			2793+33.46	W	residential	55	64	61	\$15,000
144			2794+99.03	W	residential	55	67	61	\$30,000
151		F	2792+02.13	W	residential	55	64	61	\$15,000
156		A	2791+23.91	W	residential	55	64	61	\$15,000
157		L	2790+89.04	W	residential	55	64	61	\$15,000
159		L	2790+49.38	E	residential	55	63	61	\$10,000
163		R	2790+00.32	W	residential	55	64	61	\$15,000
166		I	2789+60.37	W	residential	55	63	61	\$10,000
169		V	2793+17.52	W	residential	55	63	61	\$10,000
170		E	2788+50.25	W	residential	55	63	61	\$10,000
172		R	2787+40.94	W	residential	55	63	61	\$10,000
176			2792+07.58	W	residential	55	63	61	\$10,000
179			2791+16.09	W	residential	55	64	61	\$15,000
184			2790+12.93	W	residential	55	64	61	\$15,000
186			2782+91.68	W	residential	55	64	61	\$15,000
188			2789+20.14	W	residential	55	64	61	\$15,000
190			2787+59.74	E	residential	55	65	61	\$20,000
191			2780+60.53	E	residential	55	65	61	\$20,000
192			2779+68.90	E	residential	55	64	61	\$15,000
193			2778+99.23	E	residential	55	63	61	\$10,000
196			2778+22.37	E	residential	55	64	61	\$15,000
197			2777+39.18	E	residential	55	63	61	\$10,000
199			2785+62.30	E	residential	55	63	61	\$10,000
200			2784+61.91	E	residential	55	65	61	\$20,000
264			2740+73.91	E	residential	55	67	61	\$30,000
284			2724+80.05	W	residential	55	63	61	\$10,000
285			2724+88.89	E	residential	55	69	61	\$30,000
296			2721+20.92	W	residential	55	63	61	\$10,000
299			2720+74.83	W	residential	55	63	61	\$10,000
301			2720+37.05	W	residential	55	63	61	\$10,000
316			2711+33.88	E	residential	55	63	61	\$10,000
323			2705+69.17	E	residential	55	66	61	\$25,000
327			2704+81.36	E	residential	55	65	61	\$20,000
330			2703+57.22	E	residential	55	65	61	\$20,000
Worcester									
41		N	2739+89.47	E	residential	55	62	61	\$5,000
44		E	2738+87.11	E	residential	55	63	61	\$10,000
45		W	2737+86.94	W	residential	55	62	61	\$5,000
49			2736+81.02	W	residential	55	62	61	\$5,000
51		B	2736+30.99	W	residential	55	62	61	\$5,000
54		E	2735+61.75	W	residential	55	62	61	\$5,000
98		D	2722+56.24	W	residential	55	65	61	\$20,000
100		F	2722+58.73	E	residential	55	63	61	\$10,000
104		O	2721+25.94	W	residential	55	65	61	\$20,000
105		R	2721+30.16	E	residential	55	62	61	\$5,000
Earle & Davis									
15		D	2803+37.43	E	residential	56	63	61	\$10,000
Bridge									
1083			1246+26.55	E	residential	52	63	60	\$15,000
1096			1242+08.25	E	residential	52	66	60	Noise Barrier
1099			1241+77.99	E	residential	52	61	60	Noise Barrier
1102			1241+12.00	W	residential	52	61	60	Noise Barrier
1107			1240+04.07	E	residential	52	66	60	Noise Barrier
1108		E	1240+13.01	E	residential	52	61	60	Noise Barrier
1110		A	1239+37.40	E	residential	52	67	60	Noise Barrier
1113		S	1239+21.89	E	residential	52	61	60	Noise Barrier
1117		T	1238+55.88	E	residential	52	61	60	Noise Barrier
1118		O	1238+15.17	E	residential	52	66	60	Noise Barrier
1120		N	1237+71.27	E	residential	52	66	60	Noise Barrier
1122			1237+87.31	E	residential	52	61	60	Noise Barrier
1124			1237+22.83	E	residential	52	66	60	Noise Barrier
1129			1236+53.19	E	residential	52	66	60	Noise Barrier
1132			1236+44.39	E	residential	52	61	60	Noise Barrier
1134			1235+47.14	E	residential	52	61	60	Noise Barrier
1135			1235+13.15	E	residential	52	65	60	Noise Barrier

Residence ID	Street	Town	Station #	Side of Track	Land Use	Noise Exposure (dBA)		FTA Criteria, L _{dn} (dBA)	
						Existing	Project plus existing	Severe Impact	Cost Justified
1140			1234+21.46	E	residential	52	65	60	Noise Barrier
1143			1233+72.46	E	residential	52	61	60	Noise Barrier
1145			1232+89.39	E	residential	52	66	60	Noise Barrier
1147			1232+56.16	E	residential	52	61	60	Noise Barrier
1148			1231+76.18	E	residential	52	66	60	Noise Barrier
1149			1230+91.06	E	residential	52	62	60	\$10,000
1152			1230+29.14	E	residential	52	62	60	\$10,000
1153			1230+76.25	E	residential	52	65	60	Noise Barrier
1155			1229+61.34	E	residential	52	62	60	\$10,000
1156			1230+42.36	E	residential	52	61	60	Noise Barrier
1157			1228+89.02	E	residential	52	62	60	\$10,000
1158			1229+54.86	E	residential	52	66	60	Noise Barrier
1161			1227+72.34	E	residential	52	62	60	Noise Barrier
1163			1227+79.29	E	residential	52	67	60	Noise Barrier
1164			1227+86.53	E	residential	52	65	60	\$25,000
1166			1226+97.84	E	residential	52	62	60	Noise Barrier
1171			1227+00.54	E	residential	52	64	60	\$20,000
1172			1226+20.85	E	residential	52	62	60	Noise Barrier
1173			1225+62.66	E	residential	52	62	60	Noise Barrier
1177			1226+07.89	E	residential	52	63	60	\$15,000
1178			1224+95.69	E	residential	52	62	60	Noise Barrier
1179			1225+24.13	E	residential	52	68	60	Noise Barrier
1182			1223+98.34	E	residential	52	62	60	Noise Barrier
1183			1224+79.98	E	residential	52	63	60	\$15,000
1187			1223+45.00	E	residential	52	62	60	Noise Barrier
1189			1223+82.90	E	residential	52	67	60	\$30,000
1190			1222+93.40	E	residential	52	62	60	Noise Barrier
1191			1223+75.90	E	residential	52	63	60	\$15,000
1192			1223+79.45	E	residential	52	62	60	\$10,000
1197			1222+34.82	E	residential	52	62	60	Noise Barrier
1200			1222+65.00	E	residential	52	62	60	\$10,000
1203			1221+41.00	E	residential	52	63	60	Noise Barrier
1208			1220+78.71	E	residential	52	65	60	Noise Barrier
1211			1220+06.04	E	residential	52	63	60	Noise Barrier
1217			1219+39.72	E	residential	52	64	60	Noise Barrier
Depot/Route 123									
1046			1315+51.08	W	residential	65	69	66	\$15,000
Elm									
1272			1192+34.33	E	residential	57	64	62	\$10,000
1279			1190+12.74	E	residential	57	67	62	\$25,000
1281		E	1189+16.79	E	residential	57	66	62	\$20,000
1284		A	1188+57.55	E	residential	57	65	62	\$15,000
1286		S	1188+16.24	E	residential	57	64	62	\$10,000
1289		T	1188+01.66	E	residential	57	64	62	\$10,000
1293		O	1187+15.89	E	residential	57	66	62	\$20,000
1294		N	1187+36.10	E	residential	57	64	62	\$10,000
1298			1186+69.40	E	residential	57	64	62	\$10,000
1305			1185+87.38	E	residential	57	67	62	\$25,000
1307			1184+67.02	E	residential	57	66	62	\$20,000
1310			1182+31.72	E	residential	57	64	62	\$10,000
1316			1180+67.57	E	residential	57	65	62	\$15,000
1317			1179+98.38	E	residential	57	67	62	\$25,000
1318			1179+22.47	E	residential	57	64	62	\$10,000
1319			1179+12.79	E	residential	57	64	62	\$10,000
1326			1168+15.52	E	residential	57	67	62	\$25,000
Main									
1220			1217+75.89	E	residential	62	67	64	Noise Barrier
1223			1218+71.82	E	residential	62	67	64	Noise Barrier
1225			1216+72.39	E	residential	62	68	64	Noise Barrier
1228			1215+45.44	E	residential	62	69	64	Noise Barrier
1229			1214+75.86	E	residential	62	69	64	Noise Barrier
1231			1213+88.37	E	residential	62	69	64	Noise Barrier
1233			1212+90.09	E	residential	62	69	64	Noise Barrier
1236			1211+25.46	W	residential	62	71	64	\$30,000
1238			1210+41.01	E	residential	62	67	64	\$15,000
1239			1209+64.15	W	residential	62	71	64	\$30,000
1240			1209+12.91	W	residential	62	67	64	\$15,000
Oliver									
1259			1197+12.74	E	residential	52	62	60	\$10,000
1260			1197+07.39	E	residential	52	64	60	\$20,000
1263			1196+66.08	E	residential	52	64	60	\$20,000
1265			1196+56.11	E	residential	52	61	60	\$5,000
Pond									
1243			1207+21.36	E	residential	47	60	59	\$5,000
1245			1206+67.29	W	residential	47	62	59	\$15,000
1250			1205+45.89	E	residential	47	60	59	\$5,000
Purchase									
1025			1353+50.72	W	residential	58	65	62	\$15,000
1026			1350+89.64	W	residential	58	65	62	\$15,000
1029			1347+12.40	W	residential	58	65	62	\$15,000
1041			1327+52.01	W	residential	58	64	62	\$10,000
Short									
1049			1298+66.67	E	residential	58	64	62	\$10,000
1051			1296+84.36	E	residential	58	65	62	\$15,000
1052			1295+06.98	E	residential	58	64	62	\$10,000
1055			1293+98.00	E	residential	58	67	62	\$25,000

Residence ID	Street	Town	Station #	Side of Track	Land Use	Noise Exposure (dBA)		FTA Criteria, L _{dn} (dBA)	
						Existing	Project plus existing	Severe Impact	Cost Justified
1059			1292+38.22	W	residential	58	68	62	\$30,000
1060		E	1292+30.41	W	residential	58	65	62	\$15,000
1061		A	1290+84.52	E	residential	58	66	62	\$20,000
1065		S	1278+20.37	E	residential	58	64	62	\$10,000
1067		T	1272+43.55	W	residential	58	63	62	\$5,000
1068		O	1269+08.23	W	residential	58	64	62	\$10,000
1070		N	1258+30.61	E	residential	58	65	62	\$15,000
1073			1253+57.04	E	residential	58	67	62	\$25,000
Britton									
973			1661+17.85	E	residential	55	64	61	\$15,000
974			1660+76.45	E	residential	55	65	61	\$20,000
976			1660+48.35	E	residential	55	63	61	\$10,000
978			1659+94.36	E	residential	55	62	61	\$5,000
979			1659+51.74	E	residential	55	68	61	\$30,000
980			1659+20.05	E	residential	55	66	61	\$25,000
Carver									
992			1626+14.42	W	residential	60	66	63	\$15,000
Elm									
995		R	1605+68.60	W	residential	55	65	61	\$20,000
999		A	1603+08.32	W	residential	55	68	61	\$30,000
1001		Y	1602+74.68	W	residential	55	65	61	\$20,000
1007		N	1601+55.78	W	residential	55	63	61	\$10,000
1008		H	1601+46.03	W	residential	55	67	61	\$30,000
1009		A	1595+92.16	W	residential	55	66	61	\$25,000
1013		M	1594+32.86	W	residential	55	64	61	\$15,000
1018			1585+92.34	W	residential	55	64	61	\$15,000
King Phillip									
938			1696+78.76	E	residential	56	64	62	\$10,000
946			1691+16.91	W	residential	56	66	62	\$20,000
947			1691+16.05	E	residential	56	65	62	\$15,000
951			1689+33.92	E	residential	56	65	62	\$15,000
954			1686+52.89	E	residential	56	69	62	\$30,000
958			1684+31.23	E	residential	56	65	62	\$15,000
961			1682+67.13	E	residential	56	66	62	\$20,000
963			1679+60.91	E	residential	56	66	62	\$20,000
Dean									
896			1845+71.10	E	residential	65	69	66	\$15,000
898			1839+78.92	E	residential	65	69	66	\$15,000
899			1839+17.11	W	residential	65	70	66	\$20,000
902			1838+28.55	W	residential	65	70	66	\$20,000
904			1836+67.41	E	residential	65	69	66	\$15,000
906			1812+81.62	E	residential	65	70	66	\$20,000
Hart									
864			1903+77.64	W	residential	63	68	65	\$15,000
870			1901+36.10	W	residential	63	69	65	\$20,000
871			1899+96.58	E	residential	63	68	65	\$15,000
873			1900+17.92	E	residential	63	69	65	\$20,000
Ingell									
878			1872+05.34	W	residential	57	64	62	\$10,000
883			1870+37.80	W	residential	57	65	62	\$15,000
Longmeadow									
914			1783+99.15	E	residential	59	70	63	\$30,000
927			1760+65.31	E	residential	59	69	63	\$30,000
928			1761+07.78	E	residential	59	64	63	\$5,000
929			1760+25.76	E	residential	59	64	63	\$5,000
930			1760+60.66	E	residential	59	69	63	\$30,000
Plain									
843			1977+90.83	E	residential	55	62	61	\$5,000
845			1975+95.18	E	residential	55	63	61	\$10,000
850			1923+51.93	E	residential	55	62	61	\$5,000
851			1919+83.93	E	residential	55	63	61	\$10,000
853			1918+36.84	E	residential	55	63	61	\$10,000
854			1917+61.13	W	residential	55	62	61	\$5,000
Chipaway									
545			2525+99.41	E	residential	60	65	63	\$10,000
567			2503+80.40	W	residential	60	68	63	\$25,000
575			2501+69.44	E	residential	60	66	63	\$15,000
581			2500+57.59	E	residential	60	68	63	\$25,000
591			2492+51.20	W	residential	60	67	63	\$20,000
594			2491+54.26	W	residential	60	65	63	\$10,000
Elm & Walnut									
717			2307+07.39	E	residential	55	65	61	\$20,000
718			2305+43.07	E	residential	55	65	61	\$20,000
723			2298+61.29	E	residential	55	65	61	\$20,000
Forge									
738			2284+76.79	W	residential	55	63	61	\$10,000
739			2283+05.58	W	residential	55	64	61	\$15,000
742			2282+04.81	W	residential	55	65	61	\$20,000
744			2280+43.12	W	residential	55	64	61	\$15,000
763			2269+83.06	W	residential	55	63	61	\$10,000
High									
681			2345+04.44	E	residential	55	63	61	\$10,000
683			2341+86.85	E	residential	55	63	61	\$10,000
686			2342+66.62	E	residential	55	64	61	\$15,000
Richmond (Colonial to Forge)									
768			2259+67.89	E	residential	60	68	63	\$25,000

Residence ID	Street	Town	Station #	Side of Track	Land Use	Noise Exposure (dBA)		FTA Criteria, L _{dn} (dBA)			
						Existing	Project plus existing	Severe Impact	Cost Justified		
Richmond (Bryant to Beechwood)											
781	Simpson & Green	FR E T O W N	2210+19.22	E	residential	60	66	63	\$15,000		
699			2322+52.20	W	residential	44	60	59	\$5,000		
700			2321+39.95	W	residential	44	66	59	\$30,000		
702			2318+58.64	W	residential	44	64	59	\$25,000		
703			2319+02.63	W	residential	44	62	59	\$15,000		
707			2316+60.46	W	residential	44	69	59	\$30,000		
709			2317+16.25	E	residential	44	63	59	\$20,000		
Gunner's											
674	Howland	L A	2345+75.38	E	residential	44	59	58	\$5,000		
728			K	2297+96.29	E	residential	55	62	61	\$5,000	
733	Malbone	E V I L L E	2293+71.55	W	residential	55	63	61	\$10,000		
735			2291+87.09	W	residential	55	65	61	\$20,000		
741			2284+07.29	W	residential	55	63	61	\$10,000		
745			2280+25.86	W	residential	55	65	61	\$20,000		
746			2278+32.37	W	residential	55	63	61	\$10,000		
793			2162+70.78	E	residential	55	64	61	\$15,000		
Adams											
788	Cotley	B E R K L E Y	2175+00.54	E	residential	45	66	59	\$30,000		
819			2036+55.39	E	residential	49	60	59	\$5,000		
827			2025+97.32	E	residential	49	60	59	\$5,000		
830			2024+24.47	E	residential	49	63	59	\$20,000		
835			2020+57.21	E	residential	49	60	59	\$5,000		
837			2020+59.89	E	residential	49	64	59	\$25,000		
839			2018+05.65	E	residential	49	62	59	\$15,000		
Mill											
794			Myricks	K	2153+13.68	E	residential	45	60	59	\$5,000
796				L	2151+23.66	E	residential	45	60	59	\$5,000
798				E	2149+63.63	E	residential	45	60	59	\$5,000
Padelford											
797			Padelford	Y	2149+97.42	E	residential	60	67	63	\$20,000
799	2147+15.13	E			residential	60	67	63	\$20,000		
800	2147+39.19	E			residential	60	66	63	\$15,000		
811	2105+67.47	E			residential	55	63	61	\$10,000		
812	Padelford	Y	2104+80.36	E	residential	55	65	61	\$20,000		
813			2102+81.12	E	residential	55	66	61	\$25,000		

Vibration Results and Mitigation Table

Milepost	Municipality	Street	Impacted Receptors	Length of Ballast Mat	Cost at \$180/ft.	Cost per Receptor	Cost Effective
Stoughton Station to Myricks Junction							
19.2	Stoughton	Brock Street	1	400 feet	\$72,000	\$24,000	Yes
	Stoughton	Washington Street	2				
19.5	Stoughton	Rogers Drive/ Plain Street	8 2	1200 feet	\$216,000	\$21,600	Yes
19.6	Stoughton	Columbus Avenue	2	600 feet	\$108,000	\$54,000	No
19.9	Stoughton	Smyth Street/	2	400 feet	\$72,000	\$24,000	Yes
20.2	Stoughton	Washington Street	1				
20.3	Stoughton	Morton Street/ Washington Street	1 2	800 feet	\$144,000	\$48,000	No
20.4	Stoughton	Washington Street	1	200 feet	\$36,000	\$36,000	No
22.2	Easton	Partridge Way	1	200 feet	\$36,000	\$36,000	No
22.4	Easton	Mullen Lane	1	200 feet	\$36,000	\$36,000	No
22.5	Easton	Linden Street/ Elm Street	1 2	700 feet	\$126,000	\$42,000	No
22.8	Easton	Main Street	1	200 feet	\$36,000	\$36,000	No
23.0	Easton	Center Street/ Williams Street/ Avis Circle/	10 2 1	3000 feet	\$540,000	\$20,770	Yes
23.3	Easton	Baldwin Street/	13				
23.5	Easton	off Center Street	1	200 feet	\$36,000	\$36,000	No
23.7	Easton	Tait Avenue	4	800 feet	\$144,000	\$36,000	No
24.1	Easton	Gary Lane	2	500 feet	\$90,000	\$45,000	No
24.2	Easton	Laurel Drive	3	400 feet	\$72,000	\$24,000	Yes
24.5	Easton	Short Street/ Lantern Lane	6 4	1300 feet	\$234,000	\$23,400	Yes
24.9	Easton	Depot Street	1	200 feet	\$36,000	\$36,000	No
25.1	Easton	Purchase Street/ Granite Lane	4 2	1100 feet	\$198,000	\$33,000	No
25.5	Easton	Kennedy Circle	11	1800 feet	\$324,000	\$29,455	Yes
25.8	Easton	Prospect Street	3	400 feet	\$72,000	\$24,000	Yes
26.0	Easton	Justin Drive	1	200 feet	\$36,000	\$36,000	No
26.7	Easton	Foundry Street	2	400 feet	\$72,000	\$36,000	No
30.0	Raynham	off Bridge Street	1	200 feet	\$36,000	\$36,000	No
30.2	Raynham	Bridge Street	3	400 feet	\$72,000	\$24,000	Yes
30.4	Raynham	Elm Street West	6	600 feet	\$108,000	\$18,000	Yes
30.8	Raynham	Carver Street	2	250 feet	\$45,000	\$22,500	Yes
31.5	Raynham	Britton Street	9	500 feet	\$90,000	\$10,000	Yes
31.9	Raynham	Wampanoag Road/ King Philips Street/	5 5	2100 feet	\$378,000	\$29,075	Yes
32.2	Raynham	Chickering Road	3				
33.5	Taunton	Thrasher Street/ Malcolm Circle	4 3	600 feet	\$108,000	\$15,430	Yes
33.8	Taunton	Longmeadow Road	1	200 feet	\$36,000	\$36,000	No
34.3	Taunton	Dean Street	1	200 feet	\$36,000	\$36,000	No
34.8	Taunton	Summer Street	5	500 feet	\$90,000	\$18,000	Yes
35.0	Taunton	High Street/ Paul Bunker Drive	5* 3*	1200 feet	\$216,000	\$27,000	Yes
35.4	Taunton	Ingell Street	2	400 feet	\$72,000	\$36,000	No



36.0	Taunton	Hart Street/	6	900 feet	\$162,000	\$14,730	Yes
	Taunton	Alegi Avenue	5				
36.4	Taunton	Williams Avenue/	1	1150 feet	\$207,000	\$29,570	Yes
	Taunton	Plain Street	6				
37.5	Taunton	Debra Drive/	3	1200 feet	\$216,000	\$54,000	No
	Taunton	Plain Street West	1				
38.3	Berkley	Crabapple Drive/	2	550 feet	\$99,000	\$49,500	No
38.4	Berkley	Cotley Street	1	200 feet	\$36,000	\$36,000	No
39.8	Berkley	Padelford Street	3	500 feet	\$90,000	\$30,000	Yes
40.5	Berkley	Mill Village Road	1	200 feet	\$36,000	\$36,000	No
40.6	Berkley	Myricks Street/	2	1300 feet	\$234,000	\$46,800	No
	Berkley	Grove Street	3				

Myricks Junction to New Bedford

40.9	Lakeville	Malbone Street	1	200 feet	\$36,000	\$36,000	No
43.2	Lakeville	Howland Street	3	900 feet	\$162,000	\$54,000	No
43.5	Lakeville	Howland Street	3	900 feet	\$162,000	\$54,000	No
47.2	Freetown	Braleley Road	5	700 feet	\$126,000	\$25,200	Yes
47.4	Freetown	Braleley Road	3	600 feet	\$108,000	\$36,000	No
47.8	Freetown	Chipaway Drive	1	200 feet	\$36,000	\$36,000	No
51.5	New Bedford	Lynn Street	2	300 feet	\$54,000	\$27,000	Yes
53.5	New Bedford	Purchase Street	6	700 feet	\$126,000	\$21,000	Yes
53.8	New Bedford	Purchase Street	2	250 feet	\$45,000	\$22,500	Yes

Myricks Junction to Fall River

40.6	Berkley	Mill Street	6	900 feet	\$162,000	\$27,000	Yes
41.2	Berkley	Adams Lane	2	250 feet	\$45,000	\$22,500	Yes
41.8	Freetown	Richmond Road	3	500 feet	\$90,000	\$30,000	Yes
42.0	Freetown	Richmond Road	2	400 feet	\$72,000	\$36,000	No
42.3	Freetown	Colonial Drive	1	200 feet	\$36,000	\$36,000	No
42.6	Freetown	Richmond Road	1	200 feet	\$36,000	\$36,000	No
42.8	Freetown	Richmond Road	1	200 feet	\$36,000	\$36,000	No
43.0	Freetown	Richmond Road	1	200 feet	\$36,000	\$36,000	No
43.3	Freetown	Forge Road	4	600 feet	\$108,000	\$27,000	Yes
43.6	Freetown	Elm Street	1	200 feet	\$36,000	\$36,000	No
43.7	Freetown	Elm Street	2	450 feet	\$81,000	\$40,500	No
43.9	Freetown	Green Lane/	3	1000 feet	\$180,000	\$45,000	No
	Freetown	Sampson Lane	1				
44.4	Freetown	High Street/	1	300 feet	\$54,000	\$27,000	Yes
	Freetown	Alexander Drive	1				
47.2	Fall River	Leeward Road	9	1200 feet	\$216,000	\$24,000	Yes
47.7	Fall River	Rolling Green Drive	3*	1100 feet	\$198,000	<\$30,000	Yes
48.7	Fall River	North Main Street	19	2600 feet	\$468,000	\$24,630	Yes
49.3	Fall River	North Main Street	1	200 feet	\$36,000	\$36,000	No
49.7	Fall River	Wayland Street	2	250 feet	\$45,000	\$22,500	Yes
49.8	Fall River	Alton Street	1	200 feet	\$36,000	\$36,000	No
50.2	Fall River	North Main Street	13	1000 feet	\$180,000	\$13,850	Yes
50.5	Fall River	Pickering Street/	3*	1000 feet	\$180,000	\$25,715	Yes
	Fall River	Clinton Street/	2				
	Fall River	St. James Street	2				
50.8	Fall River	Murry Street/	17	2000 feet	\$360,000	\$7,350	Yes
	Fall River	Cory Street/	6				
	Fall River	Ballard Street/	3				

	Fall River	Almy Street/	9				
	Fall River	Railroad Avenue/	1				
	Fall River	North Court Street/	7				
	Fall River	Brownell Street/	4				
	Fall River	Thompson Street	2				
51.2	Fall River	Dyer Street	3	400 feet	\$72,000	\$24,000	Yes
51.6	Fall River	Durfee Street/	4	700 feet	\$126,000	\$18,000	Yes
	Fall River	Cedar Street	3				
51.7	Fall River	MapleStreet	2*	400 feet	\$72,000	\$18,000	Yes
51.9	Fall River	Meadow Street	7	600 feet	\$108,000	\$15,430	Yes
Totals			369				

* Impacted receptors are multi-unit apartment buildings.