

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

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			2792+02.13	W	residential	55	64	61	\$15,000
156			2791+23.91	W	residential	55	64	61	\$15,000
157			2790+89.04	W	residential	55	64	61	\$15,000
159			2790+49.38	E	residential	55	63	61	\$10,000
163			2790+00.32	W	residential	55	64	61	\$15,000
166			2789+60.37	W	residential	55	63	61	\$10,000
169			2793+17.52	W	residential	55	63	61	\$10,000
170			2788+50.25	W	residential	55	63	61	\$10,000
172			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	D							
15			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

						Noise Exposure (dBA)		FTA Criteria, L _{dn} (dBA)		
Residence ID	Street	Town	Station #	Side of Track	Land Use	Project plus existing		Severe Impact	Cost Justified	
						Existing				
1140		E A S T O N	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			1189+16.79	E	residential	57	66	62	\$20,000	
1284			1188+57.55	E	residential	57	65	62	\$15,000	
1286			1188+16.24	E	residential	57	64	62	\$10,000	
1289			1188+01.66	E	residential	57	64	62	\$10,000	
1293			1187+15.89	E	residential	57	66	62	\$20,000	
1294			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	

						Noise Exposure (dBA)		FTA Criteria, L _{dn} (dBA)		
Residence ID	Street	Town	Station #	Side of Track	Land Use	Existing	Project plus existing	Severe Impact	Cost Justified	
1059		EASTON	1292+38.22	W	residential	58	68	62	\$30,000	
1060			1292+30.41	W	residential	58	65	62	\$15,000	
1061			1290+84.52	E	residential	58	66	62	\$20,000	
1065			1278+20.37	E	residential	58	64	62	\$10,000	
1067			1272+43.55	W	residential	58	63	62	\$5,000	
1068			1269+08.23	W	residential	58	64	62	\$10,000	
1070			1258+30.61	E	residential	58	65	62	\$15,000	
1073			1253+57.04	E	residential	58	67	62	\$25,000	
Britton			RANDOLPH							
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		1605+68.60		W	residential	55	65	61	\$20,000	
999		1603+08.32		W	residential	55	68	61	\$30,000	
1001		1602+74.68		W	residential	55	65	61	\$20,000	
1007		1601+55.78		W	residential	55	63	61	\$10,000	
1008		1601+46.03		W	residential	55	67	61	\$30,000	
1009		1595+92.16		W	residential	55	66	61	\$25,000	
1013		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			TANTON							
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			FREETOWN							
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	

						Noise Exposure (dBA)	FTA Criteria, L _{dn} (dBA)		
Residence ID	Street	Town	Station #	Side of Track	Land Use	Existing	Project plus existing	Severe Impact	Cost Justified
Richmond (Bryant to Beechwood)		F R E E T O W N	2210+19.22	E	residential	60	66	63	\$15,000
781	Simpson & Green								
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		L A K E V I L L E	2345+75.38	E	residential	44	59	58	\$5,000
674	Howland								
728			2297+96.29	E	residential	55	62	61	\$5,000
733			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
Malbone		B E R K L Y	2162+70.78	E	residential	55	64	61	\$15,000
Adams									
788	Cotley		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			2153+13.68	E	residential	45	60	59	\$5,000
796			2151+23.66	E	residential	45	60	59	\$5,000
798			2149+63.63	E	residential	45	60	59	\$5,000
Myricks									
797			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
Padelford									
811			2105+67.47	E	residential	55	63	61	\$10,000
812			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/	8	1200 feet	\$216,000	\$21,600	Yes
	Stoughton	Plain Street	2				
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/	1	800 feet	\$144,000	\$48,000	No
	Stoughton	Washington Street	2				
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/	1	700 feet	\$126,000	\$42,000	No
	Easton	Elm Street	2				
22.8	Easton	Main Street	1	200 feet	\$36,000	\$36,000	No
23.0	Easton	Center Street/	10	3000 feet	\$540,000	\$20,770	Yes
	Easton	Williams Street/	2				
	Easton	Avis Circle/	1				
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/	6	1300 feet	\$234,000	\$23,400	Yes
	Easton	Lantern Lane	4				
24.9	Easton	Depot Street	1	200 feet	\$36,000	\$36,000	No
25.1	Easton	Purchase Street/	4	1100 feet	\$198,000	\$33,000	No
	Easton	Granite Lane	2				
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/	5	2100 feet	\$378,000	\$29,075	Yes
	Raynham	King Philips Street/	5				
32.2	Raynham	Chickering Road	3				
33.5	Taunton	Thrasher Street/	4	600 feet	\$108,000	\$15,430	Yes
	Taunton	Malcolm Circle	3				
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/	5*	1200 feet	\$216,000	\$27,000	Yes
	Taunton	Paul Bunker Drive	3*				
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	Brale Road	5	700 feet	\$126,000	\$25,200	Yes
47.4	Freetown	Brale 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	Maple Street	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.