

APPENDIX J.2

**NOISE AND VIBRATION—
SUPPORTING TABLES FOR NOISE ANALYSIS**

**Table J.2-1: Vibration and Ground-borne Noise Appendix
Summary of Impacts**

Between the Following Blocks		Side of Street	Block Number	Category of Criteria 1, 2, or 3 based on Manual Table 8 1, used for determining threshold level	Adjusted Vibration Level VdB; Unadjusted Vibration Level + Total Vibration Adjustments	Total Noise Adjustments VdB; based on Noise Path Adjustment	Ground-borne Noise Level VdB; Adjusted Vibration Level + Total Noise Adjustment	Exceeds Threshold? Exceeds if Vibration (Cat 1>65, Cat2>72, Cat3>75) or Noise (Cat2>35, Cat3>40)	Excess over groundborne noise criteria Additional Attenuation Required	Crossover present at location
126	125	east	1802	2	66	-30	36	Noise	1	Crossover
125	124	west	1789	2	69	-30	39	Noise	4	Crossover
120	119	east	1796	2	72	-30	42	Noise	7	Crossover
119	118	west	1783	2	59	-20	39	Noise	4	Crossover
94	93	west	1539	2	58	-20	38	Noise	3	
89	88	west	1551	2	57	-20	37	Noise	2	
89	88	east	1534	2	57	-20	37	Noise	2	
88	87	west	1533	2	57	-20	37	Noise	2	
88	87	east	1550	2	57	-20	37	Noise	2	
87	86	west	1532	2	56	-20	36	Noise	1	
87	86	east	1549	2	56	-20	36	Noise	1	
84	83	east	1546	2	56	-20	36	Noise	1	
83	82	west	1528	2	57	-20	37	Noise	2	Crossover
83	82	east	1545	2	57	-20	37	Noise	2	Crossover
82	81	west	1527	2	57	-20	37	Noise	2	
82	81	east	1544	2	57	-20	37	Noise	2	
81	80	west	1526	2	57	-20	37	Noise	2	
77	76	east	1451	2	56	-20	36	Noise	1	
76	75	west	1430	2	56	-20	36	Noise	1	
76	75	east	1450	2	56	-20	36	Noise	1	
75	74	west	1429	2	66	-20	46	Noise	11	Crossover
75	74	east	1449	2	67	-20	47	Noise	12	Crossover
74	73	west	1428	2	57	-20	37	Noise	2	
74	73	east	1448	2	57	-20	37	Noise	2	
73	72	west	1427	2	56	-20	36	Noise	1	
73	72	east	1447	2	56	-20	36	Noise	1	
70	69	west	1424	2	56	-20	36	Noise	1	
70	69	east	1444	2	56	-20	36	Noise	1	
69	68	west	1423	2	57	-20	37	Noise	2	
68	67	west	1422	2	67	-20	47	Noise	12	Crossover
67	66	east	1441	2	58	-20	38	Noise	3	
66	65	west	1420	2	60	-20	40	Noise	5	
64	63	east	1438	2	61	-20	41	Noise	6	
59	58	west	1332	2	61	-20	41	Noise	6	
59	58	east	1351	2	59	-20	39	Noise	4	
58	57	east	1350	2	59	-20	39	Noise	4	
57	56	east	1349	2	59	-20	39	Noise	4	
56	55	west	1329	2	57	-20	37	Noise	2	Crossover
56	55	east	1348	2	68	-20	48	Noise	13	Crossover
55	54	west	1328	2	56	-20	36	Noise	1	
55	54	east	1347	2	57	-20	37	Noise	2	
54	53	west	1327	2	58	-20	38	Noise	3	
54	53	east	1346	2	58	-20	38	Noise	3	
52	51	west	1325	2	60	-20	40	Noise	5	
50	49	west	1323	2	59	-20	39	Noise	4	
47	46	west	1320	2	56	-20	36	Noise	1	
41	40	west	1314	2	57	-20	37	Noise	2	
41	40	east	1333	2	57	-20	37	Noise	2	
40	39	west	920	2	69	-20	49	Noise	14	Crossover
40	39	east	945	2	68	-20	48	Noise	13	Crossover
39	38	west	919	2	59	-20	39	Noise	4	
39	38	east	944	2	59	-20	39	Noise	4	
35	34	east	940	3	62	-20	42	Noise	2	Crossover
35	34	west	915	2	58	-20	38	Noise	3	Crossover
28	27	west	908	2	56	-20	36	Noise	1	
27	26	west	907	2	56	-20	36	Noise	1	
11	10	east	452	2	64	-20	44	Noise	9	Crossover
Pearl	Av of Finest	east	111	2	66	-30	36	Noise	1	
Pine	Wall	west	39	2	58	-20	38	Noise	3	Crossover

**Table J.2-2: Vibration and Ground-borne Noise
General Assessment Results (based on design as of May 2003)**

Between the Following Blocks		Side of Street	Block Number	Category of Criteria	Unadjusted Vibration Level	Total Vibration Adjustments	Adjusted Vibration Level	Total Noise Adjustments	Ground-borne Noise Level	Exceeds Threshold?	Excess over groundborne noise criteria	Crossover?
				1, 2, or 3 based on Manual Table 8-1, used for determining threshold level	VdB; based on Distance to Foundation	VdB; total of all Vibration Adjustments	VdB; Unadjusted Vibration Level + Total Vibration Adjustments	VdB; based on Noise Path Adjustment	VdB; Adjusted Vibration Level + Total Noise Adjustment	Highlighted if Vibration (Cat 1>65, Cat2>72, Cat3>75) or Noise (Cat2>35, Cat3>40)	Additional Attenuation Required	
Lenox	Fifth	South side	1722	2	68	-25	43	-20	23			
Lenox	Fifth	North side	1723	2	68	-25	43	-20	23			
Fifth	Madison	South side	1749	2	68	-26	42	-20	22			
Fifth	Madison	North side	1750	2	68	-26	42	-20	22			
Madison	Park	South side	1749	2	68	-25	43	-20	23			
Madison	Park	North side	1750	2	68	-25	43	-20	23			
Park	Lexington	South side	1773	3	69	-22	47	-20	27			
Park	Lexington	North side	1774	3	68	-22	46	-20	26			
Lexington	Third	South side	1773	2	63	-9	54	-20	34			Crossover
Lexington	Third	North side	1774	3	68	-15	54	-20	34			Crossover
Third	Second	South side	1789	2	69	-10	59	-30	29			
Third	Second	North side	1790	2	69	-13	56	-30	26			
130	129	west	1794	3	70	-17	53	-30	23			
129	128	east	1803	3	70	-17	53	-30	23			
129	128	west	1793	3	71	-17	54	-30	24			
128	127	east	1803	3	71	-17	54	-30	24			
128	127	west	1792	3	70	-17	53	-30	23			
127	126	east	1803	3	69	-17	53	-30	23			
127	126	west	1791	3	63	-10	52	-30	22			
126	125	east	1802	2	70	-4	66	-30	36	Noise	1	Crossover
126	125	west	1790	3	72	-7	64	-30	34			Crossover
125	124	east	1801	3	57	2	59	-30	29			Crossover
125	124	west	1789	2	71	-2	69	-30	39	Noise	4	Crossover
124	123	east	1797	2	72	-7	65	-30	35			
124	123	west	1788	2	67	-8	59	-30	29			
123	122	east	1797	2	72	-7	65	-30	35			
123	122	west	1787	2	66	-4	62	-30	32			
122	121	east	1797	2	69	-9	60	-30	30			
122	121	west	1786	2	72	-13	59	-30	29			
121	120	east	1797	3	57	-2	54	-30	24			
121	120	west	1785	2	75	-13	61	-30	31			
120	119	east	1796	2	75	-4	72	-30	42	Noise	7	Crossover
120	119	west	1784	2	75	-11	65	-30	35			
119	118	east	1795	2	74	-22	52	-20	32			
119	118	west	1783	2	74	-15	59	-20	39	Noise	4	Crossover
118	117	east	1689	2	74	-27	48	-30	18			
118	117	west	1667	2	74	-27	48	-30	18			

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General Assessment Results (based on design as of May 2003)**

Between the Following Blocks		Side of Street	Block Number	Category of Criteria	Unadjusted Vibration Level	Total Vibration Adjustments	Adjusted Vibration Level	Total Noise Adjustments	Ground-borne Noise Level	Exceeds Threshold?	Excess over groundborne noise criteria	Crossover?
117	116	east	1688	2	74	-17	58	-30	28			
117	116	west	1666	2	74	-14	61	-30	31			
116	115	east	1687	2	74	-13	61	-30	31			
116	115	west	1665	2	74	-13	61	-30	31			
115	114	east	1684	2	73	-10	63	-30	33			
115	114	west	1662	2	73	-10	63	-30	33			
114	113	east	1684	3	73	-13	60	-30	30			
114	113	west	1662	2	67	-8	59	-30	29			
113	112	east	1684	2	73	-10	63	-30	33			
113	112	west	1662	2	73	-10	63	-30	33			
112	111	east	1683	2	73	-25	48	-30	18			
112	111	west	1661	2	73	-25	48	-30	18			
111	110	east	1682	2	73	-13	60	-30	30			
111	110	west	1660	2	73	-13	60	-30	30			
110	109	east	1681	2	74	-13	61	-30	31			
110	109	west	1659	2	74	-13	61	-30	31			
109	108	east	1680	2	74	-17	58	-30	28			
109	108	west	1656	3	73	-16	57	-30	27			
108	107	east	1678	2	73	-13	60	-30	30			
108	107	west	1656	2	74	-14	61	-30	31			
107	106	east	1677	2	74	-14	61	-30	31			
107	106	west	1655	3	75	-17	58	-30	28			
106	105	east	1676	2	75	-13	61	-30	31			
106	105	west	1654	2	75	-13	61	-30	31			
105	104	east	1675	2	74	-13	61	-30	31			
105	104	west	1652	2	74	-10	64	-30	34			
104	103	east	1674	2	74	-13	61	-30	31			
104	103	west	1652	3	56	-5	51	-30	21			
103	102	east	1673	2	75	-13	61	-30	31			
103	102	west	1649	2	64	-6	58	-30	28			
102	101	east	1672	2	74	-13	61	-30	31			
102	101	west	1649	2	71	-9	61	-30	31			
101	100	east	1672	2	71	-9	62	-30	32			
101	100	west	1649	2	68	-8	60	-30	30			
100	99	east	1671	2	74	-10	64	-30	34			
100	99	west	1649	2	70	-9	61	-30	31			
99	98	east	1669	1	74	-10	64	-30	34			
99	98	west	1669	3	72	-10	62	-30	32			
98	97	east	1647	2	74	-10	64	-30	34			
98	97	west	1647	3	73	-10	63	-30	33			
97	96	east	1668	3	56	-5	51	-30	21			
97	96	west	1646	2	74	-13	61	-30	31			

**Table J.2-2: Vibration and Ground-borne Noise
General Assessment Results (based on design as of May 2003)**

Between the Following Blocks		Side of Street	Block Number	Category of Criteria	Unadjusted Vibration Level	Total Vibration Adjustments	Adjusted Vibration Level	Total Noise Adjustments	Ground-borne Noise Level	Exceeds Threshold?	Excess over groundborne noise criteria	Crossover?
96	95	west	1541	2	73	-13	60	-30	30			
96	95	east	1558	2	73	-13	60	-30	30			
95	94	west	1557	2	75	-14	61	-30	31			
95	94	east	1540	2	74	-17	58	-30	28			
94	93	west	1539	2	72	-14	58	-20	38	Noise	3	
94	93	east	1556	2	74	-13	60	-30	30			
93	92	west	1538	2	74	-9	65	-30	35			
93	92	east	1555	2	74	-9	65	-30	35			
92	91	west	1537	2	73	-21	52	-20	32			
92	91	east	1554	2	73	-21	52	-20	32			
91	90	west	1536	2	56	-13	43	-20	23			
91	90	east	1553	2	72	-23	48	-20	28			
90	89	west	1535	2	71	-23	48	-20	28			
90	89	east	1552	2	72	-20	51	-20	31			
89	88	west	1551	2	70	-13	57	-20	37	Noise	2	
89	88	east	1534	2	70	-13	57	-20	37	Noise	2	
88	87	west	1533	2	70	-13	57	-20	37	Noise	2	
88	87	east	1550	2	70	-13	57	-20	37	Noise	2	
87	86	west	1532	2	70	-14	56	-20	36	Noise	1	
87	86	east	1549	2	70	-14	56	-20	36	Noise	1	
86	85	west	1531	2	70	-15	54	-20	34			
86	85	east	1548	2	70	-15	54	-20	34			
85	84	west	1530	2	69	-15	53	-20	33			
85	84	east	1547	2	69	-15	53	-20	33			
84	83	west	1529	2	69	-14	55	-20	35			
84	83	east	1546	2	70	-14	56	-20	36	Noise	1	
83	82	west	1528	2	70	-13	57	-20	37	Noise	2	Crossover
83	82	east	1545	2	70	-13	57	-20	37	Noise	2	Crossover
82	81	west	1527	2	70	-13	57	-20	37	Noise	2	
82	81	east	1544	2	70	-13	57	-20	37	Noise	2	
81	80	west	1526	2	70	-13	57	-20	37	Noise	2	
81	80	east	1543	2	70	-23	47	-20	27			
80	79	west	1525	2	70	-20	50	-20	30			
80	79	east	1542	2	70	-20	50	-20	30			
79	78	west	1433	2	69	-22	46	-20	26			
79	78	east	1453	2	69	-20	50	-20	30			
78	77	west	1432	2	69	-19	49	-20	29			
78	77	east	1452	2	68	-22	46	-20	26			
77	76	west	1431	2	68	-13	55	-20	35			
77	76	east	1451	2	69	-13	56	-20	36	Noise	1	
76	75	west	1430	2	69	-13	56	-20	36	Noise	1	
76	75	east	1450	2	69	-13	56	-20	36	Noise	1	

**Table J.2-2: Vibration and Ground-borne Noise
General Assessment Results (based on design as of May 2003)**

Between the Following Blocks		Side of Street	Block Number	Category of Criteria	Unadjusted Vibration Level	Total Vibration Adjustments	Adjusted Vibration Level	Total Noise Adjustments	Ground-borne Noise Level	Exceeds Threshold?	Excess over groundborne noise criteria	Crossover?
75	74	west	1429	2	69	-3	66	-20	46	Noise	11	Crossover
75	74	east	1449	2	70	-3	67	-20	47	Noise	12	Crossover
74	73	west	1428	2	70	-13	57	-20	37	Noise	2	
74	73	east	1448	2	70	-13	57	-20	37	Noise	2	
73	72	west	1427	2	70	-14	56	-20	36	Noise	1	
73	72	east	1447	2	70	-14	56	-20	36	Noise	1	
72	71	west	1426	2	70	-15	54	-20	34			
72	71	east	1446	2	70	-15	54	-20	34			
71	70	west	1425	2	70	-15	54	-20	34			
71	70	east	1445	2	70	-15	54	-20	34			
70	69	west	1424	2	70	-14	56	-20	36	Noise	1	
70	69	east	1444	2	70	-14	56	-20	36	Noise	1	
69	68	west	1423	2	70	-13	57	-20	37	Noise	2	
69	68	east	1443	1	70	-13	57	-20	37			
68	67	west	1422	2	70	-3	67	-20	47	Noise	12	Crossover
68	67	east	1442	3	70	-10	60	-20	40			Crossover
67	66	west	1421	3	71	-13	58	-20	38			
67	66	east	1441	2	71	-13	58	-20	38	Noise	3	
66	65	west	1420	2	73	-13	60	-20	40	Noise	5	
66	65	east	1440	1	72	-24	49	-20	29			
65	64	west	1419	2	75	-21	53	-20	33			
65	64	east	1439	2	75	-21	53	-20	33			
64	63	west	1418	1	73	-13	60	-20	40			
64	63	east	1438	2	74	-13	61	-20	41	Noise	6	
63	62	west	1417	2	74	-21	53	-20	33			
63	62	east	1437	2	74	-21	53	-20	33			
62	61	west	1416	2	72	-14	58	-30	28			Crossover
62	61	east	1436	2	73	-11	62	-30	32			Crossover
61	60	west	1415	2	72	-20	51	-30	21			
61	60	east	1435	2	71	-23	48	-30	18			
60	59	west	1414	1	71	-23	48	-20	28			
60	59	east	1434	3	69	-19	49	-20	29			
59	58	west	1332	2	74	-13	61	-20	41	Noise	6	
59	58	east	1351	2	72	-13	59	-20	39	Noise	4	
58	57	west	1331	1	71	-23	48	-20	28			
58	57	east	1350	2	72	-13	59	-20	39	Noise	4	
57	56	west	1330	3	72	-13	59	-20	39			
57	56	east	1349	2	72	-13	59	-20	39	Noise	4	
56	55	west	1329	2	72	-15	57	-20	37	Noise	2	Crossover
56	55	east	1348	2	72	-4	68	-20	48	Noise	13	Crossover
55	54	west	1328	2	72	-15	56	-20	36	Noise	1	
55	54	east	1347	2	72	-15	57	-20	37	Noise	2	

**Table J.2-2: Vibration and Ground-borne Noise
General Assessment Results (based on design as of May 2003)**

Between the Following Blocks		Side of Street	Block Number	Category of Criteria	Unadjusted Vibration Level	Total Vibration Adjustments	Adjusted Vibration Level	Total Noise Adjustments	Ground-borne Noise Level	Exceeds Threshold?	Excess over groundborne noise criteria	Crossover?
54	53	west	1327	2	73	-15	58	-20	38	Noise	3	
54	53	east	1346	2	73	-15	58	-20	38	Noise	3	
53	52	west	1326	2	73	-25	48	-20	28			
53	52	east	1345	2	73	-25	48	-20	28			
52	51	west	1325	2	73	-13	60	-20	40	Noise	5	
52	51	east	1344	2	72	-24	48	-20	28			
51	50	west	1324	2	72	-24	48	-20	28			
51	50	east	1343	2	73	-21	52	-20	32			
50	49	west	1323	2	72	-13	59	-20	39	Noise	4	
50	49	east	1342	2	72	-20	51	-20	31			
49	48	west	1322	2	71	-20	51	-20	31			
49	48	east	1341	2	71	-20	51	-20	31			
48	47	west	1321	1	69	-19	49	-20	29			
48	47	east	1340	3	69	-20	50	-20	30			
47	46	west	1320	2	69	-13	56	-20	36	Noise	1	
47	46	east	1339	3	69	-13	56	-20	36			
46	45	west	1319	2	68	-14	54	-20	34			
46	45	east	1338	2	68	-14	54	-20	34			
45	44	west	1318	2	69	-15	53	-20	33			
45	44	east	1337	2	69	-15	53	-20	33			
44	43	west	1317	2	69	-15	53	-20	33			
44	43	east	1336	1	69	-15	53	-20	33			
43	42	west	1316	3	69	-15	54	-20	34			
43	42	east	1335	3	69	-15	54	-20	34			
42	41	west	1315	2	70	-15	54	-20	34			
42	41	east	1334	2	70	-15	54	-20	34			
41	40	west	1314	2	71	-14	57	-20	37	Noise	2	
41	40	east	1333	2	71	-14	57	-20	37	Noise	2	
40	39	west	920	2	72	-3	69	-20	49	Noise	14	Crossover
40	39	east	945	2	71	-3	68	-20	48	Noise	13	Crossover
39	38	west	919	2	72	-13	59	-20	39	Noise	4	
39	38	east	944	2	72	-13	59	-20	39	Noise	4	
38	37	east	943	2	72	-21	52	-20	32			
38	37	west	918	2	72	-21	52	-20	32			
37	36	east	942	3	72	-20	51	-20	31			
37	36	west	917	2	73	-21	52	-20	32			
36	35	east	941	3	56	-16	40	-20	20			
36	35	west	916	2	73	-24	49	-20	29			
35	34	east	940	3	74	-12	62	-20	42	Noise	2	Crossover
35	34	west	915	2	74	-15	58	-20	38	Noise	3	Crossover
34	33	east	939	2	74	-24	51	-30	21			
34	33	west	914	2	74	-26	47	-30	17			

**Table J.2-2: Vibration and Ground-borne Noise
General Assessment Results (based on design as of May 2003)**

Between the Following Blocks		Side of Street	Block Number	Category of Criteria	Unadjusted Vibration Level	Total Vibration Adjustments	Adjusted Vibration Level	Total Noise Adjustments	Ground-borne Noise Level	Exceeds Threshold?	Excess over groundborne noise criteria	Crossover?
33	32	east	936	2	68	-22	46	-20	26			
33	32	west	913	2	73	-23	50	-20	30			
32	31	east	936	2	67	-23	44	-20	24			
32	31	west	912	2	73	-22	51	-20	31			
31	30	east	936	2	68	-22	46	-20	26			
31	30	west	911	2	71	-20	51	-20	31			
30	29	east	935	1	71	-20	50	-20	30			
30	29	west	910	3	70	-23	47	-20	27			
29	28	east	934	1	69	-20	50	-20	30			
29	28	west	909	2	69	-20	50	-20	30			
28	27	east	934	1	69	-13	56	-20	36			
28	27	west	908	2	69	-13	56	-20	36	Noise	1	
27	26	east	934	1	68	-13	55	-20	35			
27	26	west	907	2	69	-13	56	-20	36	Noise	1	
26	25	east	931	2	67	-23	44	-20	24			
26	25	west	906	2	68	-14	54	-20	34			
25	24	east	930	2	68	-25	43	-20	23			
25	24	west	905	2	68	-22	47	-20	27			
24	23	east	929	2	68	-24	43	-20	23			
24	23	west	904	2	69	-15	54	-20	34			
23	22	east	928	2	68	-14	54	-20	34			
23	22	west	903	2	69	-14	55	-20	35			
22	21	east	927	2	68	-22	46	-20	26			
22	21	west	902	2	68	-19	49	-20	29			
21	20	east	926	3	57	-16	41	-20	21			
21	20	west	901	2	68	-22	46	-20	26			
20	19	east	925	2	63	-20	44	-20	24			
20	19	west	900	2	68	-19	49	-20	29			
19	18	east	924	2	68	-22	46	-20	26			
19	18	west	899	2	68	-19	49	-20	29			
18	17	east	923	1	67	-13	54	-20	34			
18	17	west	898	1	68	-13	55	-20	35			
17	16	east	922	3	57	-13	44	-20	24			
17	16	west	897	3	57	-13	44	-20	24			
16	15	east	922	3	57	-16	41	-20	21			
16	15	west	897	3	57	-16	41	-20	21			
15	14	east	921	3	67	-23	44	-20	24			
15	14	west	896	2	68	-20	48	-20	28			
14	13	east	455	3	68	-22	46	-20	26			
14	13	west	469	2	68	-21	46	-20	26			
13	12	east	454	2	68	-22	46	-20	26			
13	12	west	468	2	68	-22	47	-20	27			

**Table J.2-2: Vibration and Ground-borne Noise
General Assessment Results (based on design as of May 2003)**

Between the Following Blocks		Side of Street	Block Number	Category of Criteria	Unadjusted Vibration Level	Total Vibration Adjustments	Adjusted Vibration Level	Total Noise Adjustments	Ground-borne Noise Level	Exceeds Threshold?	Excess over groundborne noise criteria	Crossover?
12	11	east	453	2	68	-20	48	-20	28			
12	11	west	467	2	68	-20	48	-20	28			
11	10	east	452	2	68	-4	64	-20	44	Noise	9	Crossover
11	10	west	466	3	65	-12	53	-20	33			Crossover
10	9	east	451	2	68	-20	48	-20	28			
10	9	west	465	2	68	-20	48	-20	28			
9	8	east	450	2	68	-23	45	-20	25			
9	8	west	464	1	68	-20	48	-20	28			
8	7	east	449	1	69	-21	48	-20	28			
8	7	west	463	2	69	-21	48	-20	28			
7	6	east	448	2	69	-21	49	-20	29			
7	6	west	462	2	69	-21	49	-20	29			
6	5	east	447	2	71	-21	49	-20	29			
6	5	west	461	2	71	-21	49	-20	29			
5	4	east	446	2	71	-21	50	-20	30			
5	4	west	460	2	71	-21	50	-20	30			
4	3	east	445	2	71	-23	48	-20	28			
4	3	west	459	1	71	-23	48	-20	28			
3	2	east	444	2	71	-26	45	-30	15			
3	2	west	458	2	71	-23	48	-30	18			
2	1	east	443	2	71	-23	48	-30	18			
2	1	west	457	2	70	-25	45	-30	15			
1	Houston	east	442	2	70	-21	49	-30	19			
1	Houston	west	456	2	70	-24	46	-30	16			
Houston	Stanton	east	420	3	63	-6	57	-30	27			
Houston	Stanton	west	427	2	63	-3	60	-30	30			
Stanton	Rivington	east	420	3	68	-8	59	-30	29			
Stanton	Rivington	west	426	2	63	-3	60	-30	30			
Rivington	Delancey	east	420	3	70	-9	61	-30	31			
Rivington	Delancey	west	425	2	67	-5	62	-30	32			
Delancey	Broome	east	419	3	59	-3	56	-30	26			
Delancey	Broome	west	424	2	71	-6	65	-30	35			
Broome	Grand	east	418	3	70	-15	54	-30	24			
Broome	Grand	west	423	2	71	-16	55	-30	25			
Grand	Hester	east	302	3	59	-9	50	-30	20			
Grand	Hester	west	304	2	71	-13	58	-30	28			
Hester	Canal	east	302	3	69	-9	60	-30	30			
Hester	Canal	west	303	2	71	-6	64	-30	34			
Canal	Division	east	292	3	70	-9	61	-30	31			
Canal	Division	west	289	3	70	-9	61	-30	31			
Division	Worth	east	161	3	73	-16	56	-30	26			
Division	Worth	west	162	2	72	-13	59	-30	29			

**Table J.2-2: Vibration and Ground-borne Noise
General Assessment Results (based on design as of May 2003)**

Between the Following Blocks		Side of Street	Block Number	Category of Criteria	Unadjusted Vibration Level	Total Vibration Adjustments	Adjusted Vibration Level	Total Noise Adjustments	Ground-borne Noise Level	Exceeds Threshold?	Excess over groundborne noise criteria	Crossover?
Worth	James	east	281	2	74	-13	60	-30	30			
Worth	James	west	164	2	75	-14	61	-30	31			
James	Madison	east	279	2	74	-10	64	-30	34			
James	Madison	west	116	2	72	-10	62	-30	32			
Madison	Pearl	east	111	2	72	-7	65	-30	35			
Madison	Pearl	west	115	3	56	-2	54	-30	24			
Pearl	Av of Finest	east	111	2	72	-7	66	-30	36	Noise	1	
Pearl	Av of Finest	west	113	3	69	-6	63	-30	33			
Av of Finest	Dover	east	108	3	60	-4	56	-30	26			
Av of Finest	Dover	west	108	3	60	-4	56	-30	26			
Dover	Peck	east	106	2	70	-9	61	-30	31			
Dover	Peck	west	94	2	70	-6	64	-30	34			
Peck	Beekman	east	98	3	63	-12	51	-30	21			
Peck	Beekman	west	94	2	71	-13	58	-30	28			
Beekman	Fulton	east	95	2	72	-13	59	-30	29			
Beekman	Fulton	west	95	2	68	-12	57	-30	27			
Fulton	John	east	74	3	72	-7	65	-30	35			
Fulton	John	west	75	2	71	-6	65	-30	35			
John	Fletcher	east	71	3	71	-6	64	-30	34			
John	Fletcher	west	70	3	70	-6	64	-30	34			
Fletcher	Maiden Ln	east	71	3	68	-23	45	-20	25			
Fletcher	Maiden Ln	west	70	3	69	-21	48	-20	28			
Maiden Ln	Pine	east	38	3	68	-20	48	-20	28			
Maiden Ln	Pine	west	39	3	69	-21	48	-20	28			
Pine	Wall	east	38	3	68	-10	58	-20	38			Crossover
Pine	Wall	west	39	2	68	-10	58	-20	38	Noise	3	Crossover
Wall	Gouverneur	east	33	3	68	-20	48	-20	28			
Wall	Gouverneur	west	31	3	68	-20	48	-20	28			
Gouverneur	Old Slip	east	33	3	68	-21	46	-20	26			
Gouverneur	Old Slip	west	31	2	68	-24	43	-20	23			
Old Slip	Coenties Slip	east	32	3	67	-21	46	-20	26			
Old Slip	Coenties Slip	west	30	2	68	-22	46	-20	26			
Coenties Slip	Broad	east	6	3	67	-20	47	-20	27			
Coenties Slip	Broad	east	5	3	67	-20	47	-20	27			
Coenties Slip	Broad	west	7	2	67	-20	47	-20	27			
Broad	Whitehall	east	4	3	67	-14	53	-20	33			
Broad	Moore	west	8	2	67	-14	53	-20	33			
Moore	Whitehall	west	8	3	67	-20	47	-20	27			