

APPENDIX H

NOISE

**APPENDIX H
NOISE
SITE MEASUREMENT RESULTS**

Site 1: PS 89 Playground on West Street						
Date	Start Time	Leq (1-hour)	Leq (day)	Leq (night)	Leq 24-hr	Ldn
10/28/2003	7:00 AM	72	71	71	71	77
10/28/2003	8:00 AM	72				
10/28/2003	9:00 AM	72				
10/28/2003	10:00 AM	70				
10/28/2003	11:00 AM	70				
10/28/2003	12:00 PM	70				
10/28/2003	1:00 PM	70				
10/28/2003	2:00 PM	70				
10/28/2003	3:00 PM	70				
10/28/2003	4:00 PM	72				
10/28/2003	5:00 PM	72				
10/28/2003	6:00 PM	72				
10/28/2003	7:00 PM	70				
10/28/2003	8:00 PM	70				
10/28/2003	9:00 PM	70				
10/28/2003	10:00 PM	71				
10/28/2003	11:00 PM	71				
10/29/2003	12:00 AM	71				
10/29/2003	1:00 AM	71				
10/29/2003	2:00 AM	71				
10/29/2003	3:00 AM	71				
10/29/2003	4:00 AM	71				
10/29/2003	5:00 AM	71				
10/29/2003	6:00 AM	71				

Site 2: NW Corner of Murray St & West St						
Date	Start Time	Leq (1-hour)	Leq (day)	Leq (night)	Leq 24-hr	Ldn
10/28/2003	7:00 AM	73	73	71	72	78
10/28/2003	8:00 AM	73				
10/28/2003	9:00 AM	73				
10/28/2003	10:00 AM	73				
10/28/2003	11:00 AM	73				
10/28/2003	12:00 PM	73				
10/28/2003	1:00 PM	73				
10/28/2003	2:00 PM	73				
10/28/2003	3:00 PM	73				
10/28/2003	4:00 PM	73				
10/28/2003	5:00 PM	73				
10/28/2003	6:00 PM	73				
10/28/2003	7:00 PM	73				
10/28/2003	8:00 PM	73				
10/28/2003	9:00 PM	73				
10/28/2003	10:00 PM	71				
10/28/2003	11:00 PM	71				
10/29/2003	12:00 AM	71				
10/29/2003	1:00 AM	71				
10/29/2003	2:00 AM	71				
10/29/2003	3:00 AM	71				
10/29/2003	4:00 AM	71				
10/29/2003	5:00 AM	71				
10/29/2003	6:00 AM	71				

Site 3: Embassy Suites & Regal Cinemas on Vesey St						
Date	Start Time	Leq (1-hour)	Leq(day)	Leq(night)	Leq 24-hr	Ldn
10/28/2003	7:00 AM	68	68	64	67	71
10/28/2003	8:00 AM	68				
10/28/2003	9:00 AM	68				
10/28/2003	10:00 AM	68				
10/28/2003	11:00 AM	68				
10/28/2003	12:00 PM	68				
10/28/2003	1:00 PM	68				
10/28/2003	2:00 PM	68				
10/28/2003	3:00 PM	68				
10/28/2003	4:00 PM	68				
10/28/2003	5:00 PM	68				
10/28/2003	6:00 PM	68				
10/28/2003	7:00 PM	68				
10/28/2003	8:00 PM	68				
10/28/2003	9:00 PM	68				
10/28/2003	10:00 PM	64				
10/28/2003	11:00 PM	64				
10/29/2003	12:00 AM	64				
10/29/2003	1:00 AM	64				
10/29/2003	2:00 AM	64				
10/29/2003	3:00 AM	64				
10/29/2003	4:00 AM	64				
10/29/2003	5:00 AM	64				
10/29/2003	6:00 AM	64				

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Site 4: World Financial Center/Dow Jones, on West St						
Date	Start Time	Leq (1-hour)	Leq(day)	Leq(night)	Leq 24-hr	Ldn
10/28/2003	7:00 AM	67	67	65	66	72
10/28/2003	8:00 AM	67				
10/28/2003	9:00 AM	67				
10/28/2003	10:00 AM	67				
10/28/2003	11:00 AM	67				
10/28/2003	12:00 PM	67				
10/28/2003	1:00 PM	67				
10/28/2003	2:00 PM	67				
10/28/2003	3:00 PM	67				
10/28/2003	4:00 PM	67				
10/28/2003	5:00 PM	67				
10/28/2003	6:00 PM	67				
10/28/2003	7:00 PM	67				
10/28/2003	8:00 PM	67				
10/28/2003	9:00 PM	67				
10/28/2003	10:00 PM	65				
10/28/2003	11:00 PM	65				
10/29/2003	12:00 AM	65				
10/29/2003	1:00 AM	65				
10/29/2003	2:00 AM	65				
10/29/2003	3:00 AM	65				
10/29/2003	4:00 AM	65				
10/29/2003	5:00 AM	65				
10/29/2003	6:00 AM	65				

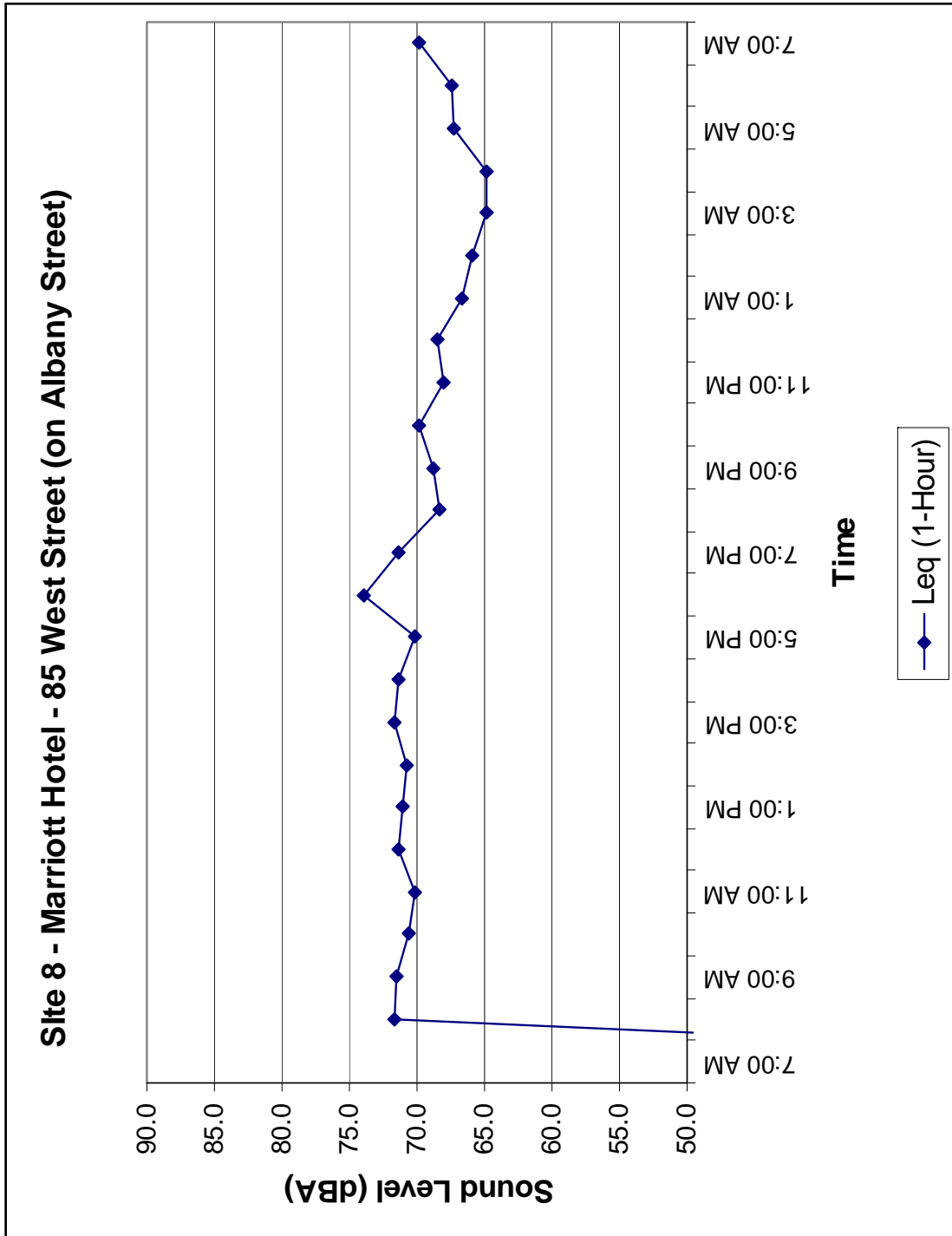
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Site 5: Gateway plaza (corner of Liberty St & South End Ave)						
Date	Start Time	Leq (1-hour)	Leq(day)	Leq(night)	Leq 24-hr	Ldn
10/28/2003	7:00 AM	66	65	59	63	67
10/28/2003	8:00 AM	66				
10/28/2003	9:00 AM	66				
10/28/2003	10:00 AM	64				
10/28/2003	11:00 AM	64				
10/28/2003	12:00 PM	64				
10/28/2003	1:00 PM	64				
10/28/2003	2:00 PM	64				
10/28/2003	3:00 PM	64				
10/28/2003	4:00 PM	66				
10/28/2003	5:00 PM	66				
10/28/2003	6:00 PM	66				
10/28/2003	7:00 PM	64				
10/28/2003	8:00 PM	64				
10/28/2003	9:00 PM	64				
10/28/2003	10:00 PM	59				
10/28/2003	11:00 PM	59				
10/29/2003	12:00 AM	59				
10/29/2003	1:00 AM	59				
10/29/2003	2:00 AM	59				
10/29/2003	3:00 AM	59				
10/29/2003	4:00 AM	59				
10/29/2003	5:00 AM	59				
10/29/2003	6:00 AM	59				

Site 6: SW corner of Albany St & West St (Parking Lot)						
Date	Start Time	Leq (1-hour)	Leq(day)	Leq(night)	Leq 24-hr	Ldn
10/28/2003	7:00 AM	73	73	70	72	77
10/28/2003	8:00 AM	73				
10/28/2003	9:00 AM	73				
10/28/2003	10:00 AM	73				
10/28/2003	11:00 AM	73				
10/28/2003	12:00 PM	73				
10/28/2003	1:00 PM	73				
10/28/2003	2:00 PM	73				
10/28/2003	3:00 PM	73				
10/28/2003	4:00 PM	73				
10/28/2003	5:00 PM	73				
10/28/2003	6:00 PM	73				
10/28/2003	7:00 PM	73				
10/28/2003	8:00 PM	73				
10/28/2003	9:00 PM	73				
10/28/2003	10:00 PM	70				
10/28/2003	11:00 PM	70				
10/29/2003	12:00 AM	70				
10/29/2003	1:00 AM	70				
10/29/2003	2:00 AM	70				
10/29/2003	3:00 AM	70				
10/29/2003	4:00 AM	70				
10/29/2003	5:00 AM	70				
10/29/2003	6:00 AM	70				

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Site 7: Cedar St & Washington St (Fence on Cedar St)						
Date	Start Time	Leq (1-hour)	Leq(day)	Leq(night)	Leq 24-hr	Ldn
10/28/2003	7:00 AM	60	64	57	63	65
10/28/2003	8:00 AM	60				
10/28/2003	9:00 AM	60				
10/28/2003	10:00 AM	66				
10/28/2003	11:00 AM	66				
10/28/2003	12:00 PM	66				
10/28/2003	1:00 PM	66				
10/28/2003	2:00 PM	66				
10/28/2003	3:00 PM	66				
10/28/2003	4:00 PM	60				
10/28/2003	5:00 PM	60				
10/28/2003	6:00 PM	60				
10/28/2003	7:00 PM	66				
10/28/2003	8:00 PM	66				
10/28/2003	9:00 PM	66				
10/28/2003	10:00 PM	57				
10/28/2003	11:00 PM	57				
10/29/2003	12:00 AM	57				
10/29/2003	1:00 AM	57				
10/29/2003	2:00 AM	57				
10/29/2003	3:00 AM	57				
10/29/2003	4:00 AM	57				
10/29/2003	5:00 AM	57				
10/29/2003	6:00 AM	57				



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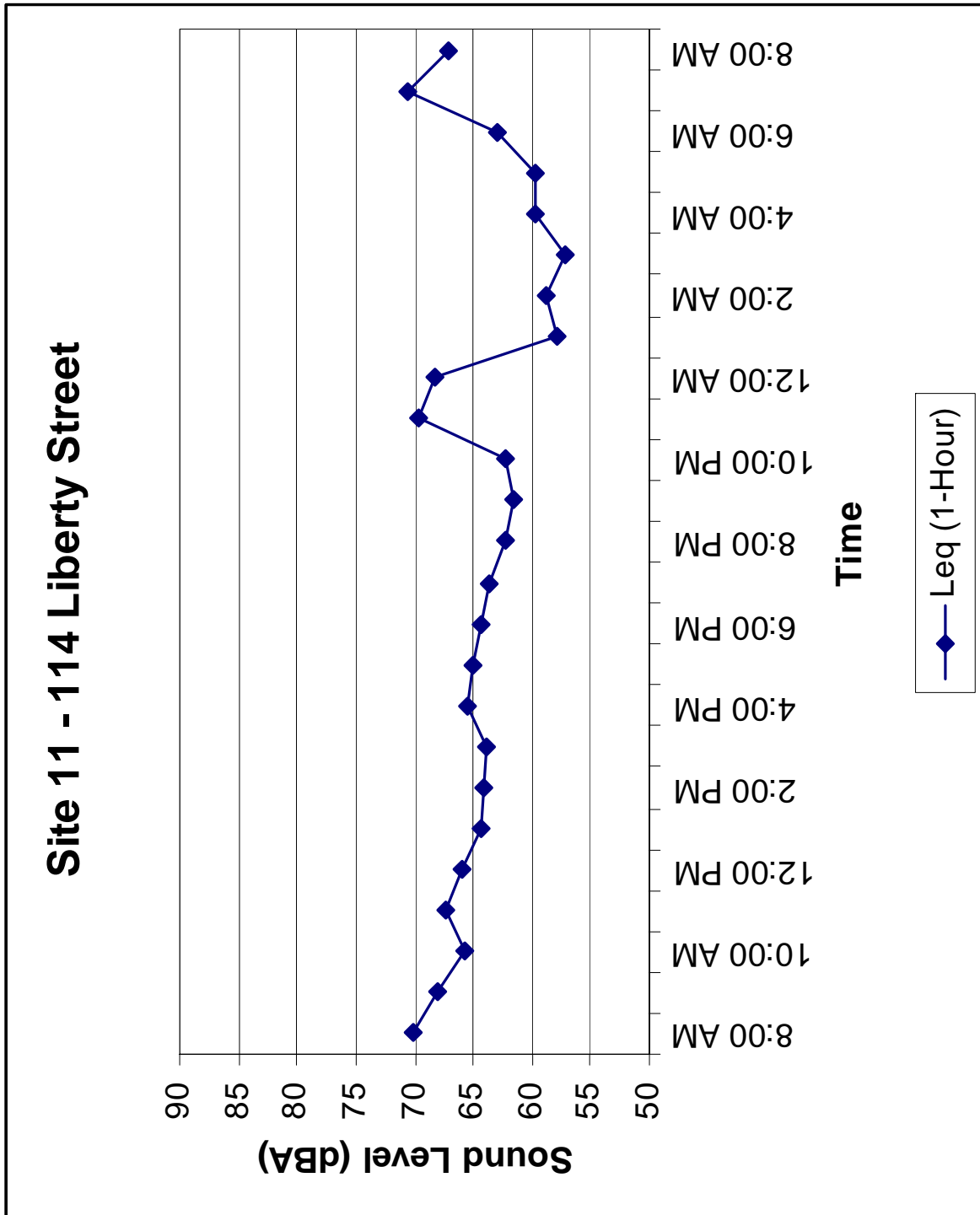
Site 8: Marriott Hotel-85 West St, side of Albany St						
Date	Start Time	Leq (1-hour)	Leq(day)	Leq(night)	Leq 24-hr	Ldn
12/10/2003	7:00 AM	70	71	68	70	75
12/9/2003	8:00 AM	72				
12/9/2003	9:00 AM	72				
12/9/2003	10:00 AM	71				
12/9/2003	11:00 AM	70				
12/9/2003	12:00 PM	71				
12/9/2003	1:00 PM	71				
12/9/2003	2:00 PM	71				
12/9/2003	3:00 PM	72				
12/9/2003	4:00 PM	71				
12/9/2003	5:00 PM	70				
12/9/2003	6:00 PM	74				
12/9/2003	7:00 PM	71				
12/9/2003	8:00 PM	68				
12/9/2003	9:00 PM	69				
12/9/2003	10:00 PM	70				
12/9/2003	11:00 PM	68				
12/10/2003	12:00 AM	69				
12/10/2003	1:00 AM	67				
12/10/2003	2:00 AM	66				
12/10/2003	3:00 AM	65				
12/10/2003	4:00 AM	65				
12/10/2003	5:00 AM	67				
12/10/2003	6:00 AM	68				

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Site 9: 4 Albany Street						
Date	Start Time	Leq (1-hour)	Leq(day)	Leq(night)	Leq 24-hr	Ldn
10/28/2003	7:00 AM	64	68	60	66	69
10/28/2003	8:00 AM	64				
10/28/2003	9:00 AM	64				
10/28/2003	10:00 AM	69				
10/28/2003	11:00 AM	69				
10/28/2003	12:00 PM	69				
10/28/2003	1:00 PM	69				
10/28/2003	2:00 PM	69				
10/28/2003	3:00 PM	69				
10/28/2003	4:00 PM	64				
10/28/2003	5:00 PM	64				
10/28/2003	6:00 PM	64				
10/28/2003	7:00 PM	69				
10/28/2003	8:00 PM	69				
10/28/2003	9:00 PM	69				
10/28/2003	10:00 PM	60				
10/28/2003	11:00 PM	60				
10/29/2003	12:00 AM	60				
10/29/2003	1:00 AM	60				
10/29/2003	2:00 AM	60				
10/29/2003	3:00 AM	60				
10/29/2003	4:00 AM	60				
10/29/2003	5:00 AM	60				
10/29/2003	6:00 AM	60				

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Site 10: 120 Cedar St-On Greenwich St						
Date	Start Time	Leq (1-hour)	Leq(day)	Leq(night)	Leq 24-hr	Ldn
10/28/2003	7:00 AM	67	68	62	67	70
10/28/2003	8:00 AM	67				
10/28/2003	9:00 AM	67				
10/28/2003	10:00 AM	69				
10/28/2003	11:00 AM	69				
10/28/2003	12:00 PM	69				
10/28/2003	1:00 PM	69				
10/28/2003	2:00 PM	69				
10/28/2003	3:00 PM	69				
10/28/2003	4:00 PM	67				
10/28/2003	5:00 PM	67				
10/28/2003	6:00 PM	67				
10/28/2003	7:00 PM	69				
10/28/2003	8:00 PM	69				
10/28/2003	9:00 PM	69				
10/28/2003	10:00 PM	62				
10/28/2003	11:00 PM	62				
10/29/2003	12:00 AM	62				
10/29/2003	1:00 AM	62				
10/29/2003	2:00 AM	62				
10/29/2003	3:00 AM	62				
10/29/2003	4:00 AM	62				
10/29/2003	5:00 AM	62				
10/29/2003	6:00 AM	62				

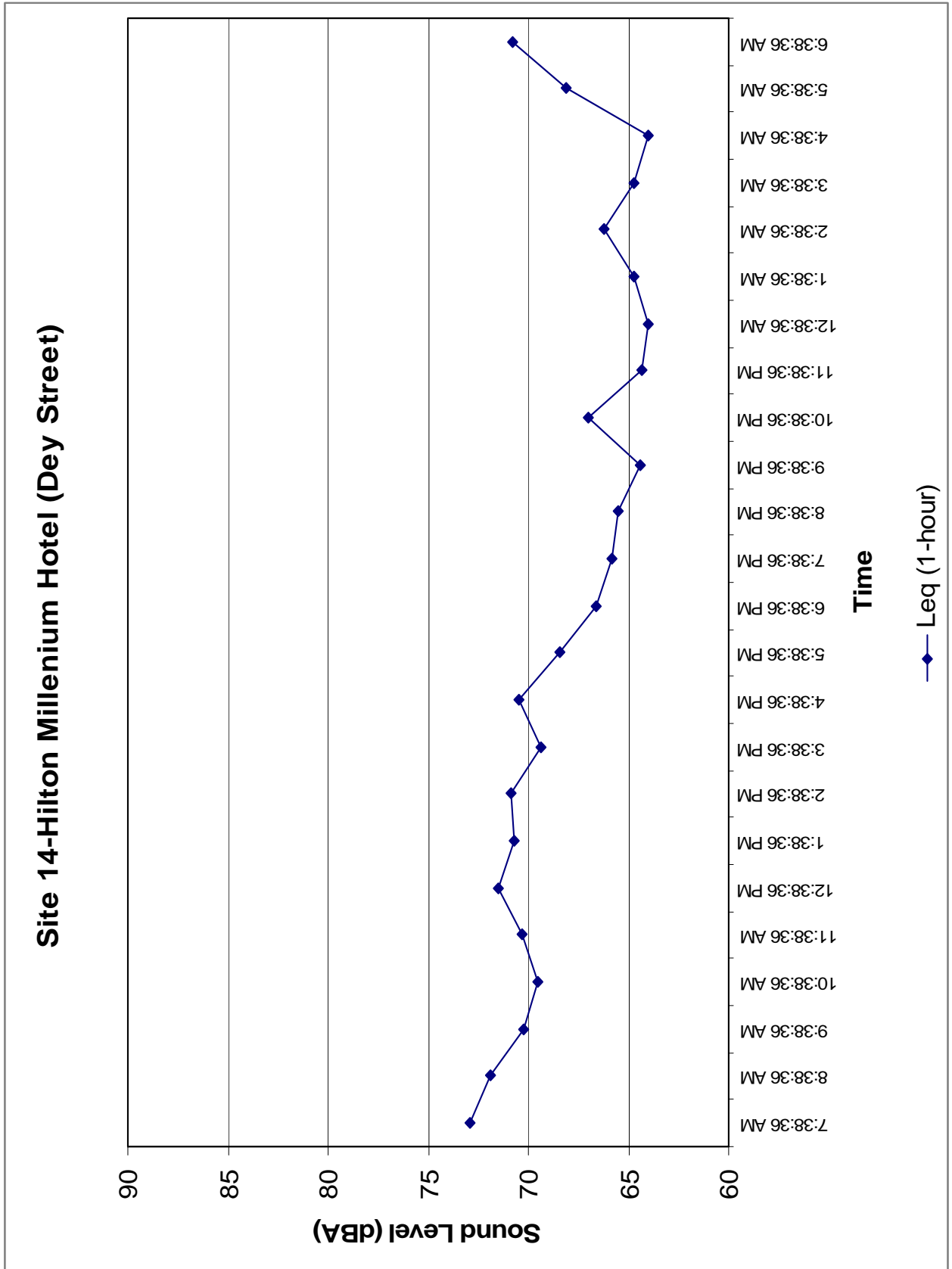


Site 11: 114 Liberty St						
Date	Start Time	Leq (1-hour)	Leq(day)	Leq(night)	Leq 24-hr	Ldn
12/10/2003	7:00 AM	70	66	64	66	71
12/09/2003	8:00 AM	70				
12/09/2003	9:00 AM	68				
12/09/2003	10:00 AM	66				
12/09/2003	11:00 AM	67				
12/09/2003	12:00 PM	66				
12/09/2003	1:00 PM	64				
12/09/2003	2:00 PM	64				
12/09/2003	3:00 PM	64				
12/09/2003	4:00 PM	66				
12/09/2003	5:00 PM	65				
12/09/2003	6:00 PM	64				
12/09/2003	7:00 PM	64				
12/09/2003	8:00 PM	62				
12/09/2003	9:00 PM	62				
12/09/2003	10:00 PM	62				
12/09/2003	11:00 PM	70				
12/10/2003	12:00 AM	68				
12/10/2003	1:00 AM	58				
12/10/2003	2:00 AM	59				
12/10/2003	3:00 AM	57				
12/10/2003	4:00 AM	60				
12/10/2003	5:00 AM	60				
12/10/2003	6:00 AM	63				

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Site 12: 95 Trinity Building						
Date	Start Time	Leq (1-hour)	Leq(day)	Leq(night)	Leq 24-hr	Ldn
10/28/2003	7:00 AM	76	75	70	74	78
10/28/2003	8:00 AM	76				
10/28/2003	9:00 AM	76				
10/28/2003	10:00 AM	74				
10/28/2003	11:00 AM	74				
10/28/2003	12:00 PM	74				
10/28/2003	1:00 PM	74				
10/28/2003	2:00 PM	74				
10/28/2003	3:00 PM	74				
10/28/2003	4:00 PM	76				
10/28/2003	5:00 PM	76				
10/28/2003	6:00 PM	76				
10/28/2003	7:00 PM	74				
10/28/2003	8:00 PM	74				
10/28/2003	9:00 PM	74				
10/28/2003	10:00 PM	70				
10/28/2003	11:00 PM	70				
10/29/2003	12:00 AM	70				
10/29/2003	1:00 AM	70				
10/29/2003	2:00 AM	70				
10/29/2003	3:00 AM	70				
10/29/2003	4:00 AM	70				
10/29/2003	5:00 AM	70				
10/29/2003	6:00 AM	70				

Site 13: SE corner of Liberty St & Trinity Place (at park corner)						
Date	Start Time	Leq (1-hour)	Leq(day)	Leq(night)	Leq 24-hr	Ldn
10/28/2003	7:00 AM	76	73	67	72	75
10/28/2003	8:00 AM	76				
10/28/2003	9:00 AM	76				
10/28/2003	10:00 AM	70				
10/28/2003	11:00 AM	70				
10/28/2003	12:00 PM	70				
10/28/2003	1:00 PM	70				
10/28/2003	2:00 PM	70				
10/28/2003	3:00 PM	70				
10/28/2003	4:00 PM	76				
10/28/2003	5:00 PM	76				
10/28/2003	6:00 PM	76				
10/28/2003	7:00 PM	70				
10/28/2003	8:00 PM	70				
10/28/2003	9:00 PM	70				
10/28/2003	10:00 PM	67				
10/28/2003	11:00 PM	67				
10/29/2003	12:00 AM	67				
10/29/2003	1:00 AM	67				
10/29/2003	2:00 AM	67				
10/29/2003	3:00 AM	67				
10/29/2003	4:00 AM	67				
10/29/2003	5:00 AM	67				
10/29/2003	6:00 AM	67				



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Site 14: Hilton Millenium Hotel-Dey Street						
Date	Start Time	Leq (1-hour)	Leq(day)	Leq(night)	Leq 24-hr	Ldn
8/13/2003	7:38:36 AM	73	70	67	69	74
8/13/2003	8:38:36 AM	72				
8/13/2003	9:38:36 AM	70				
8/13/2003	10:38:36 AM	70				
8/13/2003	11:38:36 AM	70				
8/13/2003	12:38:36 PM	72				
8/13/2003	1:38:36 PM	71				
8/13/2003	2:38:36 PM	71				
8/13/2003	3:38:36 PM	69				
8/13/2003	4:38:36 PM	71				
8/13/2003	5:38:36 PM	68				
8/13/2003	6:38:36 PM	67				
8/13/2003	7:38:36 PM	66				
8/13/2003	8:38:36 PM	66				
8/13/2003	9:38:36 PM	64				
8/13/2003	10:38:36 PM	67				
8/13/2003	11:38:36 PM	64				
8/14/2003	12:38:36 AM	64				
8/14/2003	1:38:36 AM	65				
8/14/2003	2:38:36 AM	66				
8/14/2003	3:38:36 AM	65				
8/14/2003	4:38:36 AM	64				
8/14/2003	5:38:36 AM	68				
8/14/2003	6:38:36 AM	71				

Site 15: St. Peter's Church on Church St						
Date	Start Time	Leq (1-hour)	Leq(day)	Leq(night)	Leq 24-hr	Ldn
10/28/2003	7:00 AM	75	73	67	72	75
10/28/2003	8:00 AM	75				
10/28/2003	9:00 AM	75				
10/28/2003	10:00 AM	72				
10/28/2003	11:00 AM	72				
10/28/2003	12:00 PM	72				
10/28/2003	1:00 PM	72				
10/28/2003	2:00 PM	72				
10/28/2003	3:00 PM	72				
10/28/2003	4:00 PM	75				
10/28/2003	5:00 PM	75				
10/28/2003	6:00 PM	75				
10/28/2003	7:00 PM	72				
10/28/2003	8:00 PM	72				
10/28/2003	9:00 PM	72				
10/28/2003	10:00 PM	67				
10/28/2003	11:00 PM	67				
10/29/2003	12:00 AM	67				
10/29/2003	1:00 AM	67				
10/29/2003	2:00 AM	67				
10/29/2003	3:00 AM	67				
10/29/2003	4:00 AM	67				
10/29/2003	5:00 AM	67				
10/29/2003	6:00 AM	67				

Site 16: 100 Church St-Barclay Entrance						
Date	Start Time	Leq (1-hour)	Leq(day)	Leq(night)	Leq 24-hr	Ldn
10/28/2003	7:00 AM	69	71	62	69	71
10/28/2003	8:00 AM	69				
10/28/2003	9:00 AM	69				
10/28/2003	10:00 AM	72				
10/28/2003	11:00 AM	72				
10/28/2003	12:00 PM	72				
10/28/2003	1:00 PM	72				
10/28/2003	2:00 PM	72				
10/28/2003	3:00 PM	72				
10/28/2003	4:00 PM	69				
10/28/2003	5:00 PM	69				
10/28/2003	6:00 PM	69				
10/28/2003	7:00 PM	72				
10/28/2003	8:00 PM	72				
10/28/2003	9:00 PM	72				
10/28/2003	10:00 PM	62				
10/28/2003	11:00 PM	62				
10/29/2003	12:00 AM	62				
10/29/2003	1:00 AM	62				
10/29/2003	2:00 AM	62				
10/29/2003	3:00 AM	62				
10/29/2003	4:00 AM	62				
10/29/2003	5:00 AM	62				
10/29/2003	6:00 AM	62				

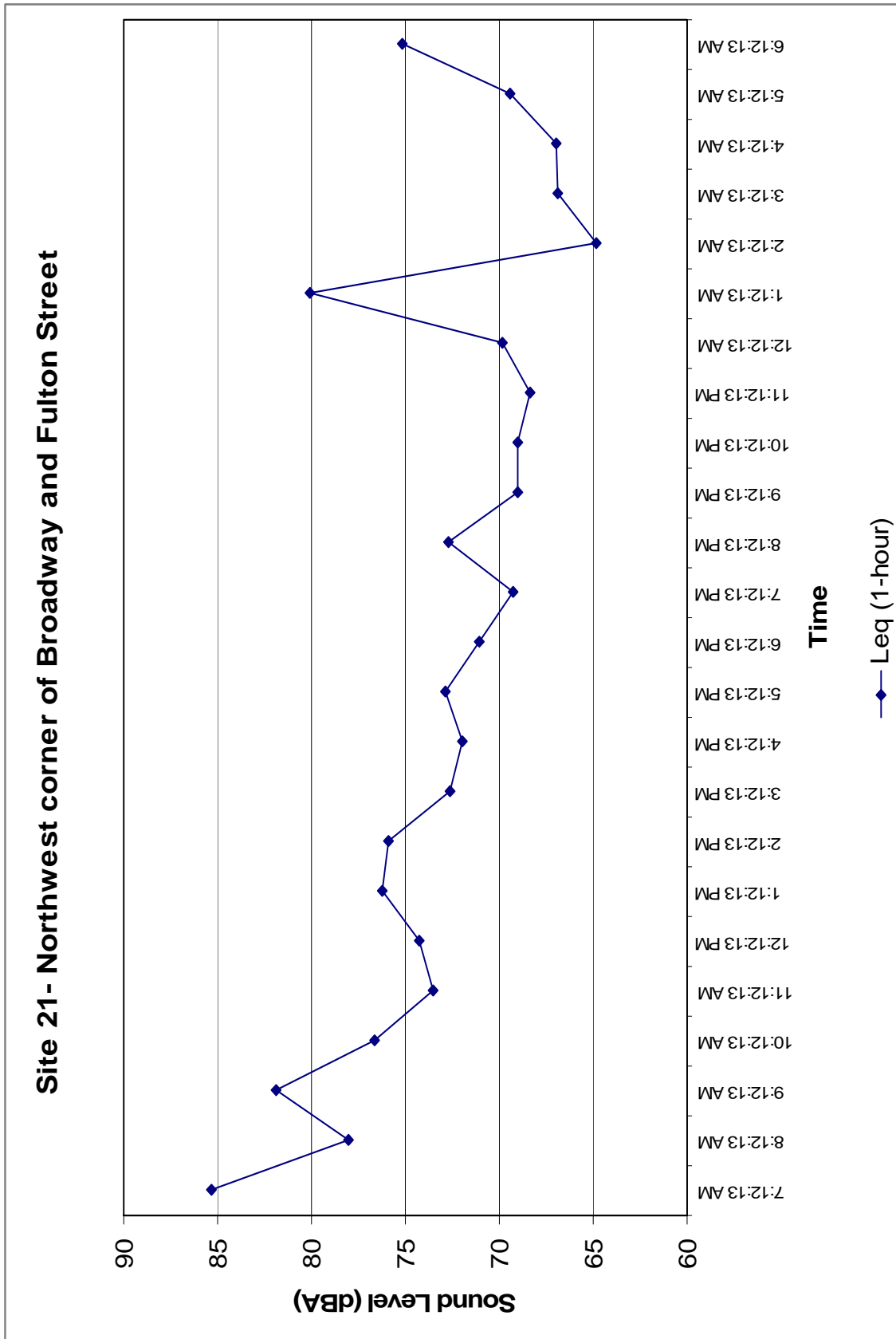
Site 17: Barclay St & Washington St Intersection						
Date	Start Time	Leq (1-hour)	Leq(day)	Leq(night)	Leq 24-hr	Ldn
10/28/2003	7:00 AM	66	71	58	69	70
10/28/2003	8:00 AM	66				
10/28/2003	9:00 AM	66				
10/28/2003	10:00 AM	73				
10/28/2003	11:00 AM	73				
10/28/2003	12:00 PM	73				
10/28/2003	1:00 PM	73				
10/28/2003	2:00 PM	73				
10/28/2003	3:00 PM	73				
10/28/2003	4:00 PM	66				
10/28/2003	5:00 PM	66				
10/28/2003	6:00 PM	66				
10/28/2003	7:00 PM	73				
10/28/2003	8:00 PM	73				
10/28/2003	9:00 PM	73				
10/28/2003	10:00 PM	58				
10/28/2003	11:00 PM	58				
10/29/2003	12:00 AM	58				
10/29/2003	1:00 AM	58				
10/29/2003	2:00 AM	58				
10/29/2003	3:00 AM	58				
10/29/2003	4:00 AM	58				
10/29/2003	5:00 AM	58				
10/29/2003	6:00 AM	58				

Site 18: Park Place & Greenwich St (corner of BMCC)						
Date	Start Time	Leq (1-hour)	Leq(day)	Leq(night)	Leq 24-hr	Ldn
10/28/2003	7:00 AM	73	70	56	68	69
10/28/2003	8:00 AM	73				
10/28/2003	9:00 AM	73				
10/28/2003	10:00 AM	67				
10/28/2003	11:00 AM	67				
10/28/2003	12:00 PM	67				
10/28/2003	1:00 PM	67				
10/28/2003	2:00 PM	67				
10/28/2003	3:00 PM	67				
10/28/2003	4:00 PM	73				
10/28/2003	5:00 PM	73				
10/28/2003	6:00 PM	73				
10/28/2003	7:00 PM	67				
10/28/2003	8:00 PM	67				
10/28/2003	9:00 PM	67				
10/28/2003	10:00 PM	56				
10/28/2003	11:00 PM	56				
10/29/2003	12:00 AM	56				
10/29/2003	1:00 AM	56				
10/29/2003	2:00 AM	56				
10/29/2003	3:00 AM	56				
10/29/2003	4:00 AM	56				
10/29/2003	5:00 AM	56				
10/29/2003	6:00 AM	56				

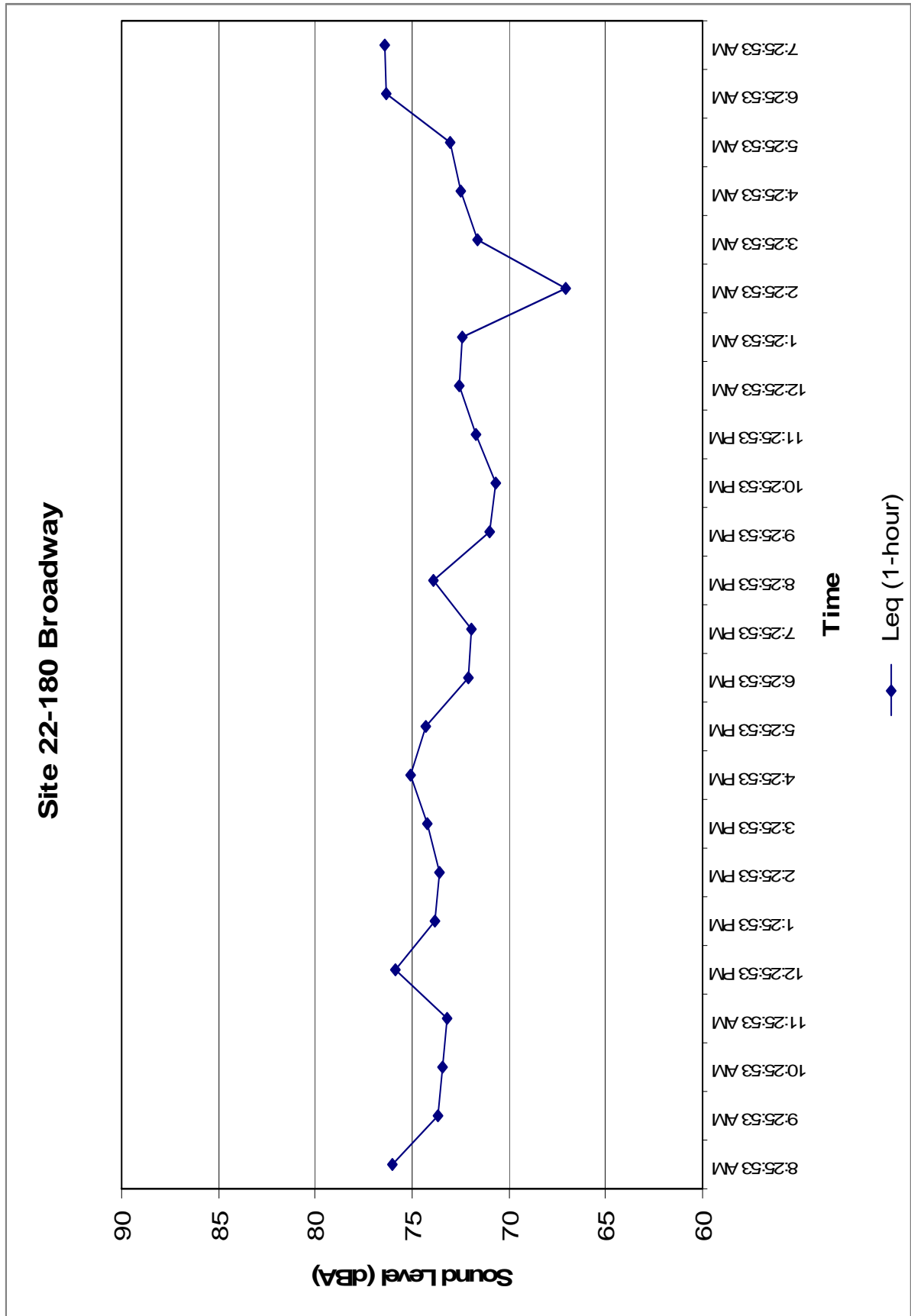
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Site 19: NE corner of Park Place & West Broadway						
Date	Start Time	Leq (1-hour)	Leq(day)	Leq(night)	Leq 24-hr	Ldn
10/28/2003	7:00 AM	71	70	65	69	73
10/28/2003	8:00 AM	71				
10/28/2003	9:00 AM	71				
10/28/2003	10:00 AM	69				
10/28/2003	11:00 AM	69				
10/28/2003	12:00 PM	69				
10/28/2003	1:00 PM	69				
10/28/2003	2:00 PM	69				
10/28/2003	3:00 PM	69				
10/28/2003	4:00 PM	71				
10/28/2003	5:00 PM	71				
10/28/2003	6:00 PM	71				
10/28/2003	7:00 PM	69				
10/28/2003	8:00 PM	69				
10/28/2003	9:00 PM	69				
10/28/2003	10:00 PM	65				
10/28/2003	11:00 PM	65				
10/29/2003	12:00 AM	65				
10/29/2003	1:00 AM	65				
10/29/2003	2:00 AM	65				
10/29/2003	3:00 AM	65				
10/29/2003	4:00 AM	65				
10/29/2003	5:00 AM	65				
10/29/2003	6:00 AM	65				

Site 20: Tower 270-Broadway & Chambers St						
Date	Start Time	Leq (1-hour)	Leq(day)	Leq(night)	Leq 24-hr	Ldn
10/28/2003	7:00 AM	75	74	68	72	76
10/28/2003	8:00 AM	75				
10/28/2003	9:00 AM	75				
10/28/2003	10:00 AM	73				
10/28/2003	11:00 AM	73				
10/28/2003	12:00 PM	73				
10/28/2003	1:00 PM	73				
10/28/2003	2:00 PM	73				
10/28/2003	3:00 PM	73				
10/28/2003	4:00 PM	75				
10/28/2003	5:00 PM	75				
10/28/2003	6:00 PM	75				
10/28/2003	7:00 PM	73				
10/28/2003	8:00 PM	73				
10/28/2003	9:00 PM	73				
10/28/2003	10:00 PM	68				
10/28/2003	11:00 PM	68				
10/29/2003	12:00 AM	68				
10/29/2003	1:00 AM	68				
10/29/2003	2:00 AM	68				
10/29/2003	3:00 AM	68				
10/29/2003	4:00 AM	68				
10/29/2003	5:00 AM	68				
10/29/2003	6:00 AM	68				



Site 21: Northwest corner of Broadway & Fulton Street						
Date	Start Time	Leq (1-hour)	Leq(day)	Leq(night)	Leq 24-hr	Ldn
8/13/2003	7:12:13 AM	85	77	73	76	80
8/12/2003	8:12:13 AM	78				
8/12/2003	9:12:13 AM	82				
8/12/2003	10:12:13 AM	77				
8/12/2003	11:12:13 AM	74				
8/12/2003	12:12:13 PM	74				
8/12/2003	1:12:13 PM	76				
8/12/2003	2:12:13 PM	76				
8/12/2003	3:12:13 PM	73				
8/12/2003	4:12:13 PM	72				
8/12/2003	5:12:13 PM	73				
8/12/2003	6:12:13 PM	71				
8/12/2003	7:12:13 PM	69				
8/12/2003	8:12:13 PM	73				
8/12/2003	9:12:13 PM	69				
8/12/2003	10:12:13 PM	69				
8/12/2003	11:12:13 PM	68				
8/13/2003	12:12:13 AM	70				
8/13/2003	1:12:13 AM	80				
8/13/2003	2:12:13 AM	65				
8/13/2003	3:12:13 AM	67				
8/13/2003	4:12:13 AM	67				
8/13/2003	5:12:13 AM	69				
8/13/2003	6:12:13 AM	75				



World Trade Center Memorial and Redevelopment Plan GEIS

Site 22: 180 Broadway						
Date	Start Time	Leq (1-hour)	Leq(day)	Leq(night)	Leq 24-hr	Ldn
8/13/2003	7:25:53 AM	76	74	73	74	79
8/12/2003	8:25:53 AM	76				
8/12/2003	9:25:53 AM	74				
8/12/2003	10:25:53 AM	73				
8/12/2003	11:25:53 AM	73				
8/12/2003	12:25:53 PM	76				
8/12/2003	1:25:53 PM	74				
8/12/2003	2:25:53 PM	74				
8/12/2003	3:25:53 PM	74				
8/12/2003	4:25:53 PM	75				
8/12/2003	5:25:53 PM	74				
8/12/2003	6:25:53 PM	72				
8/12/2003	7:25:53 PM	72				
8/12/2003	8:25:53 PM	74				
8/12/2003	9:25:53 PM	71				
8/12/2003	10:25:53 PM	71				
8/12/2003	11:25:53 PM	72				
8/13/2003	12:25:53 AM	73				
8/13/2003	1:25:53 AM	72				
8/13/2003	2:25:53 AM	67				
8/13/2003	3:25:53 AM	72				
8/13/2003	4:25:53 AM	73				
8/13/2003	5:25:53 AM	73				
8/13/2003	6:25:53 AM	76				

Site 23: WTC Pit-Future Hero's Park						
Date	Start Time	Leq (1-hour)	Leq(day)	Leq(night)	Leq 24-hr	Ldn
10/28/2003	7:00 AM	67	66	65	66	72
10/28/2003	8:00 AM	67				
10/28/2003	9:00 AM	67				
10/28/2003	10:00 AM	65				
10/28/2003	11:00 AM	65				
10/28/2003	12:00 PM	65				
10/28/2003	1:00 PM	65				
10/28/2003	2:00 PM	65				
10/28/2003	3:00 PM	65				
10/28/2003	4:00 PM	67				
10/28/2003	5:00 PM	67				
10/28/2003	6:00 PM	67				
10/28/2003	7:00 PM	65				
10/28/2003	8:00 PM	65				
10/28/2003	9:00 PM	65				
10/28/2003	10:00 PM	65				
10/28/2003	11:00 PM	65				
10/29/2003	12:00 AM	65				
10/29/2003	1:00 AM	65				
10/29/2003	2:00 AM	65				
10/29/2003	3:00 AM	65				
10/29/2003	4:00 AM	65				
10/29/2003	5:00 AM	65				
10/29/2003	6:00 AM	65				

Site 24: WTC Pit-Future Memorial Park						
Date	Start Time	Leq (1-hour)	Leq(day)	Leq(night)	Leq 24-hr	Ldn
10/28/2003	7:00 AM	66	66	67	66	73
10/28/2003	8:00 AM	66				
10/28/2003	9:00 AM	66				
10/28/2003	10:00 AM	66				
10/28/2003	11:00 AM	66				
10/28/2003	12:00 PM	66				
10/28/2003	1:00 PM	66				
10/28/2003	2:00 PM	66				
10/28/2003	3:00 PM	66				
10/28/2003	4:00 PM	66				
10/28/2003	5:00 PM	66				
10/28/2003	6:00 PM	66				
10/28/2003	7:00 PM	66				
10/28/2003	8:00 PM	66				
10/28/2003	9:00 PM	66				
10/28/2003	10:00 PM	67				
10/28/2003	11:00 PM	67				
10/29/2003	12:00 AM	67				
10/29/2003	1:00 AM	67				
10/29/2003	2:00 AM	67				
10/29/2003	3:00 AM	67				
10/29/2003	4:00 AM	67				
10/29/2003	5:00 AM	67				
10/29/2003	6:00 AM	67				

**APPENDIX H
NOISE
ANALYSIS YEAR 2009
MOBILE SOURCES**

World Trade Center Memorial and Redevelopment Plan GEIS

TABLE 1
Traffic Volume, PCEs, Noise Level Differences (Pre-911 vs. 2003 Existing)
Pre-911 vs. 2003 Existing

Site ID	Site Name & Address	Land Use	Existing Volume	Existing PCE	Pre-911 Volume	Pre-911 PCE	Percent Increase	dBa Increase
1	PS 89 Playground on West St	Public Facilities & Institutions	4,324	8,929	4,791	8,929	0.0%	0.0
2	NW Corner of Murray St & West St	Open Space & Outdoor Recreation	4,454	9,222	5,096	9,222	0.0%	0.0
3	Embassy Suites & Regal Cinemas on Vessey St	Hotel	4,448	8,963	4,998	10,071	12.4%	0.5
4	World Financial Center/Dow Jones, on West St	Bikeway	4,280	10,192	5,208	10,192	0.0%	0.0
5	Gateway Plaza (coner of Liberty St & South End Av)	Residential	468	1,474	469	1,477	0.2%	0.0
6	SW corner of Albany St & West Street (parking lot)	Residential	3,692	7,421	5,410	10,874	46.5%	1.7
7	Cedar St & Washington St (Fence on Cedar St)	Residential	30	-	40	-	-	0.0
8	Marriott Hotel-85 West Street, side of Albany Street	Residential	-	-	121	-	-	0.0
9	4 Albany St	Residential	-	-	55	-	-	0.0
10	120 Cedar St (on Greenwich St)	Institutional	-	-	371	864	-	0.0
11	114 Liberty St	Residential	50	158	300	945	498.1%	7.8
12	95 Trinity Building	Institutional	765	5,386	1,140	8,026	49.0%	1.7
13	SE corner of Liberty St & Trinity Pl (at Park corner)	Public Open Space	765	5,386	1,255	8,835	64.0%	2.1
14	Hilton Millennium Hotel-Dey Street	Hotel	890	5,571	1,625	10,173	82.6%	2.6
15	St. Peter's Church on Church St	Public Facilities & Institutions	985	6,836	1,710	11,867	73.6%	2.4
16	100 Church Street-Barclay St Entrance	Commercial & Office	135	571	346	848	48.5%	1.7
17	Barclay St & Washington Street Intersection	Commercial & Office	50	212	146	358	68.9%	2.3
18	Park Pl & Greenwich St (corner of BMCC)	Commercial & Office	-	-	404	941	-	0.0
19	NE corner of Park Pl & West Broadway	Residential	-	-	1,064	2,415	-	0.0
20	Tower 270-Broadway & Chambers	Residential	1,768	8,150	1,690	7,791	-4.4%	-0.2
21	NW corner of Broadway & Fulton St	Church	1,152	4,689	1,180	4,803	2.4%	0.1
22	180 Broadway	Residential	1,000	4,310	1,010	4,353	1.0%	0.0
23	WTC pit	Under Construction	4,280	10,192	5,208	10,192	0.0%	0.0
24	WTC pit	Under Construction	4,280	10,192	5,208	10,192	0.0%	0.0

World Trade Center Memorial and Redevelopment Plan GEIS

TABLE 2
Traffic Volume, PCEs, Noise Level Differences (2009 vs. 2003 Existing)
Build 2009 vs. 2003 Existing

Site ID	Site Name & Address	Land Use	Existing Volume	Existing PCE	2009 Build Traffic	2009 Build PCE	Percent Increase	dBA Increase
1	PS 89 Playground on West St	Public Facilities & Institutions	4,324	8,929	5,524	11,411	27.8%	1.1
2	NW Corner of Murray St & West St	Open Space & Outdoor Recreation	4,454	9,222	5,595	11,554	25.3%	1.0
3	Embassy Suites & Regal Cinemas on Vessey St	Hotel	4,448	8,963	5,218	10,654	18.9%	0.8
4	World Financial Center/Dow Jones, on West St	Bikeway	4,280	10,192	5,205	12,578	23.4%	0.9
5	Gateway Plaza (coner of Liberty St & South End Av)	Residential	468	1,474	833	2,624	78.0%	2.5
6	SW corner of Albany St & West Street (parking lot)	Residential	3,692	7,421	4,761	10,330	39.2%	1.4
7	Cedar St & Washington St (Fence on Cedar St)	Residential	30	-	0	0	-	-
8	Marriott Hotel-85 West Street, side of Albany Street	Residential	-	-	91	287	-	-
9	4 Albany St	Residential	-	-	91	287	-	-
10	120 Cedar St (on Greenwich St)	Institutional	-	-	445	1,037	-	-
11	114 Liberty St	Residential	50	158	399	1,346	751.8%	9.3
12	95 Trinity Building	Institutional	765	5,386	972	6,843	27.0%	1.0
13	SE corner of Liberty St & Trinity Pl (at Park corner)	Public Open Space	765	5,386	1,371	9,725	80.6%	2.6
14	Hilton Millennium Hotel-Dey Street	Hotel	890	5,571	1,379	8,728	56.7%	1.9
15	St. Peter's Church on Church St	Public Facilities & Institutions	985	6,836	1,660	11,649	70.4%	2.3
16	100 Church Street-Barclay St Entrance	Commercial & Office	135	571	304	745	30.4%	1.2
17	Barclay St & Washington Street Intersection	Commercial & Office	50	212	268	794	274.6%	5.7
18	Park Pl & Greenwich St (corner of BMCC)	Commercial & Office	-	-	167	377	-	-
19	NE corner of Park Pl & West Broadway	Residential	-	-	675	1,478	-	-
20	Tower 270-Broadway & Chambers	Residential	1,768	8,150	1,962	9,066	11.2%	0.5
21	NW corner of Broadway & Fulton St	Church	1,152	4,689	795	3,257	-30.5%	-1.6
22	180 Broadway	Residential	1,000	4,310	595	2,586	-40.0%	-2.2
23	WTC pit	Under Construction	4,280	10,192	5,205	12,578	23.4%	0.9
24	WTC pit	Under Construction	4,280	10,192	5,203	12,573	23.4%	0.9

World Trade Center Memorial and Redevelopment Plan GEIS

TABLE 3
Traffic Volume, PCEs, Noise Level Differences (2009 vs. Pre 911)
Build 2009 vs. Pre 911

Site ID	Site Name & Address	Land Use	Pre-911 Volume	Pre-911 PCE	2009 Build Traffic	2009 Build PCE	Percent Increase	dBa Increase
1	PS 89 Playground on West St	Public Facilities & Institutions	4,791	8,929	5,524	11,411	27.8%	1.1
2	NW Corner of Murray St & West St	Open Space & Outdoor Recreation	5,096	9,222	5,595	11,554	25.3%	1.0
3	Embassy Suites & Regal Cinemas on Vessey St	Hotel	4,998	10,071	5,218	10,654	5.8%	0.2
4	World Financial Center/Dow Jones, on West St	Bikeway	5,208	10,192	5,205	12,578	23.4%	0.9
5	Gateway Plaza (coner of Liberty St & South End Av)	Residential	469	1,477	833	2,624	77.7%	2.5
6	SW corner of Albany St & West Street (parking lot)	Residential	5,410	10,874	4,761	10,330	-5.0%	-0.2
7	Cedar St & Washington St (Fence on Cedar St)	Residential	40	-	0	0	-	-
8	Marriott Hotel-85 West Street, side of Albany Street	Residential	121	-	91	287	-	-
9	4 Albany St	Residential	55	-	91	287	-	-
10	120 Cedar St (on Greenwich St)	Institutional	371	864	445	1,037	20.0%	0.8
11	114 Liberty St	Residential	300	945	399	1,346	42.4%	1.5
12	95 Trinity Building	Institutional	1,140	8,026	972	6,843	-14.7%	-0.7
13	SE corner of Liberty St & Trinity Pl (at Park corner)	Public Open Space	1,255	8,835	1,371	9,725	10.1%	0.4
14	Hilton Millennium Hotel-Dey Street	Hotel	1,625	10,173	1,379	8,728	-14.2%	-0.7
15	St. Peter's Church on Church St	Public Facilities & Institutions	1,710	11,867	1,660	11,649	-1.8%	-0.1
16	100 Church Street-Barclay St Entrance	Commercial & Office	346	848	304	745	-12.2%	-0.6
17	Barclay St & Washington Street Intersection	Commercial & Office	146	358	268	794	121.8%	3.5
18	Park Pl & Greenwich St (corner of BMCC)	Commercial & Office	404	941	167	377	-	-
19	NE corner of Park Pl & West Broadway	Residential	1,064	2,415	675	1,478	-38.8%	-2.1
20	Tower 270-Broadway & Chambers	Residential	1,690	7,791	1,962	9,066	16.4%	0.7
21	NW corner of Broadway & Fulton St	Church	1,180	4,803	795	3,257	-32.2%	-1.7
22	180 Broadway	Residential	1,010	4,353	595	2,586	-40.6%	-2.3
23	WTC pit	Under Construction	5,208	10,192	5,205	12,578	23.4%	0.9
24	WTC pit	Under Construction	5,208	10,192	5,203	12,573	23.4%	0.9

World Trade Center Memorial and Redevelopment Plan GEIS

TABLE 4
Traffic Volume, PCEs, Noise Level Differences (2009 vs. 2003 Existing)
No-Build 2009 vs. 2003 Existing

Site ID	Site Name & Address	Land Use	Existing Volume	Existing PCE	2009 No-Build Traffic	2009 No-Build PCE	Percent Increase	dba Increase
1	PS 89 Playground on West St	Public Facilities & Institutions	4,324	8,929	4,975	10,025	12.3%	0.5
2	NW Corner of Murray St & West St	Open Space & Outdoor Recreation	4,454	9,222	3,594	7,242	-21.5%	-1.0
3	Embassy Suites & Regal Cinemas on Vessey St	Hotel	4,448	8,963	3,587	7,228	-19.4%	-0.9
4	World Financial Center/Dow Jones, on West St	Bikeway	4,280	10,192	5,037	12,038	18.1%	0.7
5	Gateway Plaza (coner of Liberty St & South End Av)	Residential	468	1,474	833	2,624	78.0%	2.5
6	SW corner of Albany St & West Street (parking lot)	Residential	3,692	7,421	4,665	10,076	35.8%	1.3
7	Cedar St & Washington St (Fence on Cedar St)	Residential	30	-	0	0	-	-
8	Marriott Hotel-85 West Street, side of Albany Street	Residential	-	-	102	321	-	-
9	4 Albany St	Residential	-	-	102	321	-	-
10	120 Cedar St (on Greenwich St)	Institutional	-	-	167	389	-	-
11	114 Liberty St	Residential	50	158	257	810	412.4%	7.1
12	95 Trinity Building	Institutional	765	5,386	959	6,751	25.4%	1.0
13	SE corner of Liberty St & Trinity Pl (at Park corner)	Public Open Space	765	5,386	1,216	8,561	58.9%	2.0
14	Hilton Millennium Hotel-Dey Street	Hotel	890	5,571	1,239	7,756	39.2%	1.4
15	St. Peter's Church on Church St	Public Facilities & Institutions	985	6,836	1,639	11,375	66.4%	2.2
16	100 Church Street-Barclay St Entrance	Commercial & Office	135	571	363	889	55.8%	1.9
17	Barclay St & Washington Street Intersection	Commercial & Office	50	212	175	429	102.2%	3.1
18	Park Pl & Greenwich St (corner of BMCC)	Commercial & Office	-	-	0	0	-	-
19	NE corner of Park Pl & West Broadway	Residential	-	-	495	1,084	-	-
20	Tower 270-Broadway & Chambers	Residential	1,768	8,150	1,958	9,026	10.8%	0.4
21	NW corner of Broadway & Fulton St	Church	1,152	4,689	836	3,403	-27.4%	-1.4
22	180 Broadway	Residential	1,000	4,310	686	2,957	-31.4%	-1.6
23	WTC pit	Under Construction	4,280	10,192	5,037	12,038	18.1%	0.7
24	WTC pit	Under Construction	4,280	10,192	5,037	12,038	18.1%	0.7

World Trade Center Memorial and Redevelopment Plan GEIS

TABLE 5
Traffic Volume, PCEs, Noise Level Differences (2009 vs. Pre 911)
No-Build Pre-911 2009 vs. Pre 911

Site ID	Site Name & Address	Land Use	Pre-911 Volume	Pre-911 PCE	2009 Pre 911, No-Build Traffic	2009 Pre 911, No-Build PCE	Percent Increase	dBa Increase
1	PS 89 Playground on West St	Public Facilities & Institutions	4,791	8,929	5,184	10,446	17.0%	0.7
2	NW Corner of Murray St & West St	Open Space & Outdoor Recreation	5,096	9,222	5,701	11,488	24.6%	1.0
3	Embassy Suites & Regal Cinemas on Vessey St	Hotel	4,998	10,071	5,398	10,877	8.0%	0.3
4	World Financial Center/Dow Jones, on West St	Bikeway	5,208	10,192	5,650	13,504	32.5%	1.2
5	Gateway Plaza (coner of Liberty St & South End Av)	Residential	469	1,477	977	3,078	108.4%	3.2
6	SW corner of Albany St & West Street (parking lot)	Residential	5,410	10,874	5,314	10,681	-1.8%	-0.1
7	Cedar St & Washington St (Fence on Cedar St)	Residential	40	-	0	0	-	-
8	Marriott Hotel-85 West Street, side of Albany Street	Residential	121	-	123	387	-	-
9	4 Albany St	Residential	55	-	123	387	-	-
10	120 Cedar St (on Greenwich St)	Institutional	371	864	276	643	-25.6%	-1.3
11	114 Liberty St	Residential	300	945	370	1,166	23.3%	0.9
12	95 Trinity Building	Institutional	1,140	8,026	1,306	9,194	14.6%	0.6
13	SE corner of Liberty St & Trinity Pl (at Park corner)	Public Open Space	1,255	8,835	1,676	11,799	33.5%	1.3
14	Hilton Millennium Hotel-Dey Street	Hotel	1,625	10,173	1,723	10,786	6.0%	0.3
15	St. Peter's Church on Church St	Public Facilities & Institutions	1,710	11,867	1,859	12,901	8.7%	0.4
16	100 Church Street-Barclay St Entrance	Commercial & Office	346	848	390	956	12.7%	0.5
17	Barclay St & Washington Street Intersection	Commercial & Office	146	358	232	568	58.8%	2.0
18	Park Pl & Greenwich St (corner of BMCC)	Commercial & Office	404	941	47	106	-	-
19	NE corner of Park Pl & West Broadway	Residential	1,064	2,415	612	1,340	-44.5%	-2.6
20	Tower 270-Broadway & Chambers	Residential	1,690	7,791	1,839	8,478	8.8%	0.4
21	NW corner of Broadway & Fulton St	Church	1,180	4,803	1,225	4,986	3.8%	0.2
22	180 Broadway	Residential	1,010	4,353	1,062	4,577	5.2%	0.2
23	WTC pit	Under Construction	5,208	10,192	5,599	13,382	31.3%	1.2
24	WTC pit	Under Construction	5,208	10,192	5,650	13,504	32.5%	1.2

World Trade Center Memorial and Redevelopment Plan GEIS

TABLE 6
Traffic Volume, PCEs, Noise Level Differences
Build 2009 vs. No-Build 2009

Site ID	Site Name & Address	Land Use	2009 No-Build Traffic	2009 No-Build PCE	2009 Build Traffic	2009 Build PCE	Percent Increase	dBA Increase
1	PS 89 Playground on West St	Public Facilities & Institutions	4,975	10,025	5,524	11,411	13.8%	0.6
2	NW Corner of Murray St & West St	Open Space & Outdoor Recreation	3,594	7,242	5,595	11,554	59.5%	2.0
3	Embassy Suites & Regal Cinemas on Vessey St	Hotel	3,587	7,228	5,218	10,654	47.4%	1.7
4	World Financial Center/Dow Jones, on West St	Bikeway	5,037	12,038	5,205	12,578	4.5%	0.2
5	Gateway Plaza (coner of Liberty St & South End Av)	Residential	833	2,624	833	2,624	0.0%	0.0
6	SW corner of Albany St & West Street (parking lot)	Residential	4,665	10,076	4,761	10,330	2.5%	0.1
7	Cedar St & Washington St (Fence on Cedar St)	Residential	0	0	0	0	-	-
8	Marriott Hotel-85 West Street, side of Albany Street	Residential	102	321	91	287	-10.8%	-0.5
9	4 Albany St	Residential	102	321	91	287	-10.8%	-0.5
10	120 Cedar St (on Greenwich St)	Institutional	167	389	445	1,037	166.5%	4.3
11	114 Liberty St	Residential	257	810	399	1,346	66.2%	2.2
12	95 Trinity Building	Institutional	959	6,751	972	6,843	1.4%	0.1
13	SE corner of Liberty St & Trinity Pl (at Park corner)	Public Open Space	1,216	8,561	1,371	9,725	13.6%	0.6
14	Hilton Millennium Hotel-Dey Street	Hotel	1,239	7,756	1,379	8,728	12.5%	0.5
15	St. Peter's Church on Church St	Public Facilities & Institutions	1,639	11,375	1,660	11,649	2.4%	0.1
16	100 Church Street-Barclay St Entrance	Commercial & Office	363	889	304	745	-16.3%	-0.8
17	Barclay St & Washington Street Intersection	Commercial & Office	175	429	268	794	85.2%	2.7
18	Park Pl & Greenwich St (corner of BMCC)	Commercial & Office	0	0	167	377	-	-
19	NE corner of Park Pl & West Broadway	Residential	495	1,084	675	1,478	36.4%	1.3
20	Tower 270-Broadway & Chambers	Residential	1,958	9,026	1,962	9,066	0.4%	0.0
21	NW corner of Broadway & Fulton St	Church	836	3,403	795	3,257	-4.3%	-0.2
22	180 Broadway	Residential	686	2,957	595	2,586	-12.6%	-0.6
23	WTC pit	Under Construction	5,037	12,038	5,205	12,578	4.5%	0.2
24	WTC pit	Under Construction	5,037	12,038	5,203	12,573	4.4%	0.2

World Trade Center Memorial and Redevelopment Plan GEIS

TABLE 7
Traffic Volume, PCEs, Noise Level Differences
Build 2009 vs. Pre 9/11, No-Build 2009

Site ID	Site Name & Address	Land Use	2009 Pre 911, No-Build Traffic	2009 Pre 911, No-Build PCE	2009 Build Traffic	2009 Build PCE	Percent Increase	dBa Increase
1	PS 89 Playground on West St	Public Facilities & Institutions	5,184	10,446	5,524	11,411	9.2%	0.4
2	NW Corner of Murray St & West St	Open Space & Outdoor Recreation	5,701	11,488	5,595	11,554	0.6%	0.0
3	Embassy Suites & Regal Cinemas on Vessey St	Hotel	5,398	10,877	5,218	10,654	-2.0%	-0.1
4	World Financial Center/Dow Jones, on West St	Bikeway	5,650	13,504	5,205	12,578	-6.9%	-0.3
5	Gateway Plaza (coner of Liberty St & South End Av)	Residential	977	3,078	833	2,624	-14.7%	-0.7
6	SW corner of Albany St & West Street (parking lot)	Residential	5,314	10,681	4,761	10,330	-3.3%	-0.1
7	Cedar St & Washington St (Fence on Cedar St)	Residential	0	0	0	0	-	-
8	Marriott Hotel-85 West Street, side of Albany Street	Residential	123	387	91	287	-26.0%	-1.3
9	4 Albany St	Residential	123	387	91	287	-26.0%	-1.3
10	120 Cedar St (on Greenwich St)	Institutional	276	643	445	1,037	61.2%	2.1
11	114 Liberty St	Residential	370	1,166	399	1,346	15.5%	0.6
12	95 Trinity Building	Institutional	1,306	9,194	972	6,843	-25.6%	-1.3
13	SE corner of Liberty St & Trinity Pl (at Park corner)	Public Open Space	1,676	11,799	1,371	9,725	-17.6%	-0.8
14	Hilton Millennium Hotel-Dey Street	Hotel	1,723	10,786	1,379	8,728	-19.1%	-0.9
15	St. Peter's Church on Church St	Public Facilities & Institutions	1,859	12,901	1,660	11,649	-9.7%	-0.4
16	100 Church Street-Barclay St Entrance	Commercial & Office	390	956	304	745	-22.1%	-1.1
17	Barclay St & Washington Street Intersection	Commercial & Office	232	568	268	794	39.7%	1.5
18	Park Pl & Greenwich St (corner of BMCC)	Commercial & Office	47	106	167	377	-	-
19	NE corner of Park Pl & West Broadway	Residential	612	1,340	675	1,478	10.3%	0.4
20	Tower 270-Broadway & Chambers	Residential	1,839	8,478	1,962	9,066	6.9%	0.3
21	NW corner of Broadway & Fulton St	Church	1,225	4,986	795	3,257	-34.7%	-1.8
22	180 Broadway	Residential	1,062	4,577	595	2,586	-43.5%	-2.5
23	WTC pit	Under Construction	5,599	13,382	5,205	12,578	-6.0%	-0.3
24	WTC pit	Under Construction	5,650	13,504	5,203	12,573	-6.9%	-0.3

**APPENDIX H
NOISE
ANALYSIS YEAR 2015
MOBILE SOURCES**

World Trade Center Memorial and Redevelopment Plan GEIS

TABLE 1
Traffic Volume, PCEs, Noise Level Differences (2015 vs. 2003 Existing)
Build 2015 vs. 2003 Existing

Site ID	Site Name & Address	Land Use	Existing Volume	Existing PCE	2015 Build Traffic	2015 Build PCE	Percent Increase	dBA Increase
1	PS 89 Playground on West St	Public Facilities & Institutions	4,324	8,929	6,811	13,724	53.7%	1.9
2	NW Corner of Murray St & West St	Open Space & Outdoor Recreation	4,454	9,222	6,800	13,702	48.6%	1.7
3	Embassy Suites & Regal Cinemas on Vessey St	Hotel	4,448	8,963	6,533	13,164	46.9%	1.7
4	World Financial Center/Dow Jones, on West St	Bikeway	4,280	10,192	6,167	14,739	44.6%	1.6
5	Gateway Plaza (coner of Liberty St & South End Av)	Residential	468	1,474	1,171	3,689	150.2%	4.0
6	SW corner of Albany St & West Street (parking lot)	Residential	3,692	7,421	5,482	11,841	59.6%	2.0
7	Cedar St & Washington St (Fence on Cedar St)	Residential	30	-	-	-	-	-
8	Marriott Hotel-85 West Street, side of Albany Street	Residential	-	-	294	-	-	-
9	4 Albany St	Residential	-	-	294	-	-	-
10	120 Cedar St (on Greenwich St)	Institutional	-	-	308	718	-	-
11	114 Liberty St	Residential	50	158	686	2,161	1267.7%	11.4
12	95 Trinity Building	Institutional	765	5,386	1,094	7,702	43.0%	1.6
13	SE corner of Liberty St & Trinity Pl (at Park corner)	Public Open Space	765	5,386	1,780	12,531	132.7%	3.7
14	Hilton Millennium Hotel-Dey Street	Hotel	890	5,571	1,817	11,374	104.2%	3.1
15	St. Peter's Church on Church St	Public Facilities & Institutions	985	6,836	1,887	13,096	91.6%	2.8
16	100 Church Street-Barclay St Entrance	Commercial & Office	135	571	349	855	49.7%	1.8
17	Barclay St & Washington Street Intersection	Commercial & Office	50	212	333	816	284.8%	5.9
18	Park Pl & Greenwich St (corner of BMCC)	Commercial & Office	-	-	189	427	-	-
19	NE corner of Park Pl & West Broadway	Residential	164	-	749	1,640	-	-
20	Tower 270-Broadway & Chambers	Residential	1,768	8,150	2,175	10,027	23.0%	0.9
21	NW corner of Broadway & Fulton St	Church	1,152	4,689	1,010	4,111	-12.3%	-0.6
22	180 Broadway	Residential	1,000	4,310	775	3,340	-22.5%	-1.1
23	WTC pit	Under Construction	4,280	10,192	6,167	14,739	44.6%	1.6
24	WTC pit	Under Construction	4,280	10,192	6,175	14,758	44.8%	1.6

World Trade Center Memorial and Redevelopment Plan GEIS

TABLE 2
Traffic Volume, PCEs, Noise Level Differences (2015 vs. Pre 911)
Build 2015 vs. Pre 911

Site ID	Site Name & Address	Land Use	Pre-911 Volume	Pre-911 PCE	2015 Build Traffic	2015 Build PCE	Percent Increase	dBa Increase
1	PS 89 Playground on West St	Public Facilities & Institutions	4,791	8,929	6,811	13,724	53.7%	1.9
2	NW Corner of Murray St & West St	Open Space & Outdoor Recreation	5,096	9,222	6,800	13,702	48.6%	1.7
3	Embassy Suites & Regal Cinemas on Vessey St	Hotel	4,998	10,071	6,533	13,164	30.7%	1.2
4	World Financial Center/Dow Jones, on West St	Bikeway	5,208	10,192	6,167	14,739	44.6%	1.6
5	Gateway Plaza (coner of Liberty St & South End Av)	Residential	469	1,477	1,171	3,689	149.7%	4.0
6	SW corner of Albany St & West Street (parking lot)	Residential	5,410	10,874	5,482	11,841	8.9%	0.4
7	Cedar St & Washington St (Fence on Cedar St)	Residential	40	-	-	-	-	-
8	Marriott Hotel-85 West Street, side of Albany Street	Residential	121	-	294	-	-	-
9	4 Albany St	Residential	55	-	294	-	-	-
10	120 Cedar St (on Greenwich St)	Institutional	371	864	308	718	-16.9%	-0.8
11	114 Liberty St	Residential	300	945	686	2,161	128.7%	3.6
12	95 Trinity Building	Institutional	1,140	8,026	1,094	7,702	-4.0%	-0.2
13	SE corner of Liberty St & Trinity Pl (at Park corner)	Public Open Space	1,255	8,835	1,780	12,531	41.8%	1.5
14	Hilton Millennium Hotel-Dey Street	Hotel	1,625	10,173	1,817	11,374	11.8%	0.5
15	St. Peter's Church on Church St	Public Facilities & Institutions	1,710	11,867	1,887	13,096	10.4%	0.4
16	100 Church Street-Barclay St Entrance	Commercial & Office	346	848	349	855	0.8%	0.0
17	Barclay St & Washington Street Intersection	Commercial & Office	146	358	333	816	127.9%	3.6
18	Park Pl & Greenwich St (corner of BMCC)	Commercial & Office	404	941	189	427	-	-
19	NE corner of Park Pl & West Broadway	Residential	1,064	2,415	749	1,640	-32.1%	-1.7
20	Tower 270-Broadway & Chambers	Residential	1,690	7,791	2,175	10,027	28.7%	1.1
21	NW corner of Broadway & Fulton St	Church	1,180	4,803	1,010	4,111	-14.4%	-0.7
22	180 Broadway	Residential	1,010	4,353	775	3,340	-23.3%	-1.2
23	WTC pit	Under Construction	5,208	10,192	6,167	14,739	44.6%	1.6
24	WTC pit	Under Construction	5,208	10,192	6,175	14,758	44.8%	1.6

World Trade Center Memorial and Redevelopment Plan GEIS

TABLE 3
Traffic Volume, PCEs, Noise Level Differences (2015 vs. 2003 Existing)
No-Build 2015 vs. 2003 Existing

Site ID	Site Name & Address	Land Use	Existing Volume	Existing PCE	2015 No-Build Traffic	2015 No-Build PCE	Percent Increase	dBA Increase
1	PS 89 Playground on West St	Public Facilities & Institutions	4,324	8,929	5,834	11,756	31.7%	1.2
2	NW Corner of Murray St & West St	Open Space & Outdoor Recreation	4,454	9,222	5,834	11,756	27.5%	1.1
3	Embassy Suites & Regal Cinemas on Vessey St	Hotel	4,448	8,963	4,242	8,548	-4.6%	-0.2
4	World Financial Center/Dow Jones, on West St	Bikeway	4,280	10,192	5,781	13,817	35.6%	1.3
5	Gateway Plaza (coner of Liberty St & South End Av)	Residential	468	1,474	1,171	3,689	150.2%	4.0
6	SW corner of Albany St & West Street (parking lot)	Residential	3,692	7,421	4,975	10,746	44.8%	1.6
7	Cedar St & Washington St (Fence on Cedar St)	Residential	30	-	-	-	-	-
8	Marriott Hotel-85 West Street, side of Albany Street	Residential	-	-	103	-	-	-
9	4 Albany St	Residential	-	-	103	-	-	-
10	120 Cedar St (on Greenwich St)	Institutional	-	-	358	834	-	-
11	114 Liberty St	Residential	50	158	418	1,317	733.4%	9.2
12	95 Trinity Building	Institutional	765	5,386	1,057	7,441	38.2%	1.4
13	SE corner of Liberty St & Trinity Pl (at Park corner)	Public Open Space	765	5,386	1,475	10,384	92.8%	2.9
14	Hilton Millennium Hotel-Dey Street	Hotel	890	5,571	1,528	9,565	71.7%	2.3
15	St. Peter's Church on Church St	Public Facilities & Institutions	985	6,836	1,777	12,332	80.4%	2.6
16	100 Church Street-Barclay St Entrance	Commercial & Office	135	571	367	899	57.5%	2.0
17	Barclay St & Washington Street Intersection	Commercial & Office	50	212	177	434	104.6%	3.1
18	Park Pl & Greenwich St (corner of BMCC)	Commercial & Office	-	-	-	-	-	-
19	NE corner of Park Pl & West Broadway	Residential	164	-	508	1,113	-	-
20	Tower 270-Broadway & Chambers	Residential	1,768	8,150	2,068	9,533	17.0%	0.7
21	NW corner of Broadway & Fulton St	Church	1,152	4,689	1,027	4,180	-10.9%	-0.5
22	180 Broadway	Residential	1,000	4,310	932	4,017	-6.8%	-0.3
23	WTC pit	Under Construction	4,280	10,192	5,781	13,817	35.6%	1.3
24	WTC pit	Under Construction	4,280	10,192	5,781	13,817	35.6%	1.3

World Trade Center Memorial and Redevelopment Plan GEIS

TABLE 4
Traffic Volume, PCEs, Noise Level Differences (2015 vs. Pre 911)
No-Build Pre-911 2015 vs. Pre 911

Site ID	Site Name & Address	Land Use	Pre-911 Volume	Pre-911 PCE	2015 Pre 911, No-Build Traffic	2015 No-Build PCE	Percent Increase	dBA Increase
1	PS 89 Playground on West St	Public Facilities & Institutions	4,791	8,929	5,780	11,647	30.4%	1.2
2	NW Corner of Murray St & West St	Open Space & Outdoor Recreation	5,096	9,222	6,234	12,562	36.2%	1.3
3	Embassy Suites & Regal Cinemas on Vessey St	Hotel	4,998	10,071	5,997	12,084	20.0%	0.8
4	World Financial Center/Dow Jones, on West St	Bikeway	5,208	10,192	6,090	14,555	42.8%	1.5
5	Gateway Plaza (coner of Liberty St & South End Av)	Residential	469	1,477	1,317	4,149	180.9%	4.5
6	SW corner of Albany St & West Street (parking lot)	Residential	5,410	10,874	5,557	11,170	2.7%	0.1
7	Cedar St & Washington St (Fence on Cedar St)	Residential	40	-	-	-	-	-
8	Marriott Hotel-85 West Street, side of Albany Street	Residential	121	-	125	-	-	-
9	4 Albany St	Residential	55	-	125	-	-	-
10	120 Cedar St (on Greenwich St)	Institutional	371	864	306	713	-17.5%	-0.8
11	114 Liberty St	Residential	300	945	502	1,581	67.3%	2.2
12	95 Trinity Building	Institutional	1,140	8,026	1,367	9,624	19.9%	0.8
13	SE corner of Liberty St & Trinity Pl (at Park corner)	Public Open Space	1,255	8,835	1,869	13,158	48.9%	1.7
14	Hilton Millennium Hotel-Dey Street	Hotel	1,625	10,173	1,945	12,176	19.7%	0.8
15	St. Peter's Church on Church St	Public Facilities & Institutions	1,710	11,867	1,962	13,616	14.7%	0.6
16	100 Church Street-Barclay St Entrance	Commercial & Office	346	848	400	980	15.6%	0.6
17	Barclay St & Washington Street Intersection	Commercial & Office	146	358	237	581	62.2%	2.1
18	Park Pl & Greenwich St (corner of BMCC)	Commercial & Office	404	941	48	108	-	-
19	NE corner of Park Pl & West Broadway	Residential	1,064	2,415	640	1,402	-	-
20	Tower 270-Broadway & Chambers	Residential	1,690	7,791	1,979	9,123	17.1%	0.7
21	NW corner of Broadway & Fulton St	Church	1,180	4,803	1,355	5,515	14.8%	0.6
22	180 Broadway	Residential	1,010	4,353	1,177	5,073	16.5%	0.7
23	WTC pit	Under Construction	5,208	10,192	6,090	14,555	42.8%	1.5
24	WTC pit	Under Construction	5,208	10,192	6,143	14,682	44.1%	1.6

World Trade Center Memorial and Redevelopment Plan GEIS

TABLE 5
Traffic Volume, PCEs, Noise Level Differences
Build 2015 vs. No-Build 2015

Site ID	Site Name & Address	Land Use	2015 No-Build Traffic	2015 No-Build PCE	2015 Build Traffic	2015 Build PCE	Percent Increase	dBa Increase
1	PS 89 Playground on West St	Public Facilities & Institutions	5,834	11,756	6,811	13,724	16.7%	0.7
2	NW Corner of Murray St & West St	Open Space & Outdoor Recreation	5,834	11,756	6,800	13,702	16.6%	0.7
3	Embassy Suites & Regal Cinemas on Vessey St	Hotel	4,242	8,548	6,533	13,164	54.0%	1.9
4	World Financial Center/Dow Jones, on West St	Bikeway	5,781	13,817	6,167	14,739	6.7%	0.3
5	Gateway Plaza (coner of Liberty St & South End Av)	Residential	1,171	3,689	1,171	3,689	0.0%	0.0
6	SW corner of Albany St & West Street (parking lot)	Residential	4,975	10,746	5,482	11,841	10.2%	0.4
7	Cedar St & Washington St (Fence on Cedar St)	Residential	-	-	-	-	-	-
8	Marriott Hotel-85 West Street, side of Albany Street	Residential	103	-	294	-	-	-
9	4 Albany St	Residential	103	-	294	-	-	-
10	120 Cedar St (on Greenwich St)	Institutional	358	834	308	718	-14.0%	-0.7
11	114 Liberty St	Residential	418	1,317	686	2,161	64.1%	2.2
12	95 Trinity Building	Institutional	1,057	7,441	1,094	7,702	3.5%	0.1
13	SE corner of Liberty St & Trinity Pl (at Park corner)	Public Open Space	1,475	10,384	1,780	12,531	20.7%	0.8
14	Hilton Millennium Hotel-Dey Street	Hotel	1,528	9,565	1,817	11,374	18.9%	0.8
15	St. Peter's Church on Church St	Public Facilities & Institutions	1,777	12,332	1,887	13,096	6.2%	0.3
16	100 Church Street-Barclay St Entrance	Commercial & Office	367	899	349	855	-4.9%	-0.2
17	Barclay St & Washington Street Intersection	Commercial & Office	177	434	333	816	88.1%	2.7
18	Park Pl & Greenwich St (corner of BMCC)	Commercial & Office	-	-	189	427	-	-
19	NE corner of Park Pl & West Broadway	Residential	508	1,113	749	1,640	47.4%	1.7
20	Tower 270-Broadway & Chambers	Residential	2,068	9,533	2,175	10,027	5.2%	0.2
21	NW corner of Broadway & Fulton St	Church	1,027	4,180	1,010	4,111	-1.7%	-0.1
22	180 Broadway	Residential	932	4,017	775	3,340	-16.8%	-0.8
23	WTC pit	Under Construction	5,781	13,817	6,167	14,739	6.7%	0.3
24	WTC pit	Under Construction	5,781	13,817	6,175	14,758	6.8%	0.3

World Trade Center Memorial and Redevelopment Plan GEIS

TABLE 6
Traffic Volume, PCEs, Noise Level Differences
Build 2015 vs. Pre 911, No-Build 2015

Site ID	Site Name & Address	Land Use	2015 Pre 911, No-Build Traffic	2015 No-Build PCE	2015 Build Traffic	2015 Build PCE	Percent Increase	dBA Increase
1	PS 89 Playground on West St	Public Facilities & Institutions	5,780	11,647	6,811	13,724	17.8%	0.7
2	NW Corner of Murray St & West St	Open Space & Outdoor Recreation	6,234	12,562	6,800	13,702	9.1%	0.4
3	Embassy Suites & Regal Cinemas on Vessey St	Hotel	5,997	12,084	6,533	13,164	8.9%	0.4
4	World Financial Center/Dow Jones, on West St	Bikeway	6,090	14,555	6,167	14,739	1.3%	0.1
5	Gateway Plaza (corner of Liberty St & South End Av)	Residential	1,317	4,149	1,171	3,689	-11.1%	-0.5
6	SW corner of Albany St & West Street (parking lot)	Residential	5,557	11,170	5,482	11,841	6.0%	0.3
7	Cedar St & Washington St (Fence on Cedar St)	Residential	-	-	-	-	-	-
8	Marriott Hotel-85 West Street, side of Albany Street	Residential	125	-	294	-	-	-
9	4 Albany St	Residential	125	-	294	-	-	-
10	120 Cedar St (on Greenwich St)	Institutional	306	713	308	718	0.7%	0.0
11	114 Liberty St	Residential	502	1,581	686	2,161	36.7%	1.4
12	95 Trinity Building	Institutional	1,367	9,624	1,094	7,702	-20.0%	-1.0
13	SE corner of Liberty St & Trinity Pl (at Park corner)	Public Open Space	1,869	13,158	1,780	12,531	-4.8%	-0.2
14	Hilton Millennium Hotel-Dey Street	Hotel	1,945	12,176	1,817	11,374	-6.6%	-0.3
15	St. Peter's Church on Church St	Public Facilities & Institutions	1,962	13,616	1,887	13,096	-3.8%	-0.2
16	100 Church Street-Barclay St Entrance	Commercial & Office	400	980	349	855	-12.8%	-0.6
17	Barclay St & Washington Street Intersection	Commercial & Office	237	581	333	816	40.5%	1.5
18	Park Pl & Greenwich St (corner of BMCC)	Commercial & Office	48	108	189	427	-	-
19	NE corner of Park Pl & West Broadway	Residential	640	1,402	749	1,640	17.0%	0.7
20	Tower 270-Broadway & Chambers	Residential	1,979	9,123	2,175	10,027	9.9%	0.4
21	NW corner of Broadway & Fulton St	Church	1,355	5,515	1,010	4,111	-25.5%	-1.3
22	180 Broadway	Residential	1,177	5,073	775	3,340	-34.2%	-1.8
23	WTC pit	Under Construction	6,090	14,555	6,167	14,739	1.3%	0.1
24	WTC pit	Under Construction	6,143	14,682	6,175	14,758	0.5%	0.0

*