

MTA METRO-NORTH RAILROAD PENN STATION ACCESS PROJECT

ENVIRONMENTAL ASSESSMENT AND
SECTION 4(F) EVALUATION



Lead Federal Agency:



Sponsoring Agency:



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Contents

Executive Summary	ES-1
ES.1 INTRODUCTION	ES-1
ES.2 PROJECT BACKGROUND	ES-3
ES.3 PURPOSE AND NEED	ES-5
ES.4 PROJECT ALTERNATIVES	ES-5
ES.4.1 No Action Alternative	ES-6
ES.4.2 Proposed Project.....	ES-7
ES.5 POTENTIAL IMPACTS	ES-9
ES.6 CONCLUSION	ES-9
1. Background and Purpose and Need	1-1
1.1 INTRODUCTION	1-1
1.2 PROJECT BACKGROUND	1-3
1.2.1 Project Conception and Initial Alternatives	1-4
1.2.2 Project Refinement: Hudson Line Service via Amtrak Empire Connection Eliminated from Further Review.....	1-4
1.2.3 Project Refinements: Operation and Infrastructure	1-5
1.3 PURPOSE AND NEED	1-6
1.3.1 Purpose.....	1-6
1.3.2 Project Needs	1-6
1.4 GOALS AND OBJECTIVES	1-9
2. Project Alternatives	2-1
2.1 INTRODUCTION	2-1
2.2 ALIGNMENT OPTION DEVELOPMENT	2-3
2.3 STATION LOCATION OPTIONS	2-4
2.3.1 Location Screening	2-4
2.3.2 Stations Characteristics	2-5
2.4 NO ACTION ALTERNATIVE	2-13
2.4.1 Programmed and Committed Projects	2-13
2.4.2 Future Projects	2-14
2.5 INFRASTRUCTURE	2-15
2.5.1 Segment 1	2-16
2.5.2 Segment 2.....	2-19
2.5.3 Segment 3.....	2-23
2.5.4 Segment 4.....	2-27
2.6 OPERATIONS	2-31
2.6.1 Penn Station New York Operations	2-31
2.6.2 Hell Gate Line Operations.....	2-32
2.7 RIDERSHIP	2-33
3. Land Use, Zoning, and Public Policy	3-1
3.1 KEY CONCLUSIONS	3-1
3.2 METHODOLOGY	3-2
3.3 REGULATORY CONTEXT	3-2
3.4 EXISTING CONDITIONS	3-3
3.4.1 Segment 1 (Corridor)	3-3
3.4.2 Segment 2 (Corridor and Hunts Point Station Area).....	3-6
3.4.3 Segment 3 (Corridor and Parkchester-Van Nest, Morris Park, and Co-op City Station Areas).....	3-9
3.4.4 Segment 4 (Corridor)	3-14
3.5 NO ACTION ALTERNATIVE	3-16
3.5.1 Segment 1 (Corridor)	3-16
3.5.2 Segment 2 (Corridor and Hunts Point Station Area).....	3-16



3.5.3	Segment 3 (Corridor and Parkchester-Van Nest, Morris Park, and Co-op City Station Areas).....	3-21
3.5.4	Segment 4 (Corridor)	3-22
3.6	PROPOSED PROJECT	3-23
3.6.1	Property Acquisitions.....	3-23
3.6.2	Segment 1 (Corridor)	3-27
3.6.3	Segment 2 (Corridor and Hunts Point Station Area)	3-27
3.6.4	Segment 3 (Corridor and Parkchester-Van Nest, Morris Park, and Co-op City Station Areas).....	3-29
3.6.5	Segment 4 (Corridor)	3-31
3.7	CONCLUSION	3-32
4.	Socioeconomic Conditions	4-1
4.1	KEY CONCLUSIONS	4-1
4.2	METHODOLOGY.....	4-1
4.3	EXISTING CONDITIONS.....	4-2
4.3.1	Segments.....	4-2
4.3.2	Population and Households.....	4-3
4.3.3	Employment	4-4
4.3.4	Travel to Work.....	4-4
4.4	NO ACTION ALTERNATIVE	4-5
4.4.1	Segment 1 (Corridor)	4-5
4.4.2	Segment 2 (Corridor and Hunts Point Station Area).....	4-5
4.4.3	Segment 3 (Corridor and Parkchester-Van Nest, Morris Park, and Co-op City Station Areas).....	4-6
4.4.4	Segment 4 (Corridor)	4-6
4.5	PROPOSED PROJECT	4-6
4.6	CONCLUSION	4-7
5.	Community Facilities and Services	5-1
5.1	KEY CONCLUSIONS	5-1
5.2	METHODOLOGY.....	5-1
5.3	EXISTING CONDITIONS.....	5-2
5.3.1	Hunts Point Station Area (Segment 2).....	5-2
5.3.2	Parkchester-Van Nest Station Area (Segment 3)	5-5
5.3.3	Morris Park Station Area (Segment 3)	5-5
5.3.4	Co-op City Station Area (Segment 3).....	5-6
5.4	NO ACTION ALTERNATIVE	5-7
5.5	PROPOSED PROJECT	5-7
5.6	CONCLUSION	5-7
6.	Visual Resources.....	6-1
6.1	KEY CONCLUSIONS	6-1
6.2	METHODOLOGY.....	6-1
6.3	EXISTING CONDITIONS.....	6-2
6.3.1	Segment 1 (Corridor)	6-2
6.3.2	Segment 2 (Corridor and Hunts Point Station Area).....	6-4
6.3.3	Segment 3 (Corridor and Parkchester-Van Nest, Morris Park, and Co-op City Station Areas).....	6-7
6.3.4	Segment 4 (Corridor)	6-15
6.4	NO ACTION ALTERNATIVE	6-17
6.5	PROPOSED PROJECT	6-18
6.5.1	Segment 1 (Corridor)	6-19
6.5.2	Segment 2 (Corridor and Hunts Point Station Area).....	6-20
6.5.3	Segment 3 (Corridor and Parkchester-Van Nest, Morris Park, and Co-op City Station Areas).....	6-21
6.5.4	Segment 4 (Corridor)	6-22
6.6	CONCLUSION	6-23
7.	Public Open Space and Recreation.....	7-1
7.1	KEY CONCLUSIONS	7-1
7.2	METHODOLOGY.....	7-1
7.3	EXISTING CONDITIONS.....	7-2

7.3.1	Segment 1 (Corridor)	7-2
7.3.2	Segment 2 (Corridor and Hunts Point Station Area).....	7-4
7.3.3	Segment 3 (Corridor and Parkchester-Van Nest, Morris Park, and Co-op City Station Areas).....	7-7
7.3.4	Segment 4 (Corridor)	7-11
7.4	NO ACTION ALTERNATIVE	7-13
7.5	PROPOSED PROJECT	7-13
7.5.1	Segments 1 through 4 (HGL Corridor).....	7-13
7.5.2	Hunts Point Station Area	7-14
7.5.3	Parkchester-Van Nest Station Area.....	7-14
7.5.4	Morris Park Station Area.....	7-14
7.5.5	Co-op City Station Area	7-14
7.6	CONCLUSION	7-15
8.	Natural Resources	8-1
8.1	KEY CONCLUSIONS	8-1
8.2	METHODOLOGY.....	8-2
8.2.1	Surface Waters and Aquatic Resources.....	8-2
8.2.2	Floodplains.....	8-2
8.2.3	Wetlands.....	8-3
8.2.4	Ecological Communities.....	8-3
8.2.5	Wildlife.....	8-3
8.2.6	Endangered, Threatened, and Special Concern Species	8-3
8.2.7	Significant Coastal Fish and Wildlife Habitat	8-4
8.3	REGULATORY CONTEXT	8-4
8.4	EXISTING CONDITIONS.....	8-5
8.4.1	Surface Waters and Aquatic Resources.....	8-5
8.4.2	Floodplains.....	8-6
8.4.3	Wetlands.....	8-9
8.4.4	Ecological Communities.....	8-16
8.4.5	Wildlife.....	8-17
8.4.6	Endangered, Threatened, and Special Concern Species	8-21
8.4.7	Significant Coastal Fish and Wildlife Habitat	8-24
8.5	NO ACTION ALTERNATIVE	8-24
8.6	PROPOSED PROJECT	8-24
8.6.1	Surface Waters and Aquatic Resources.....	8-24
8.6.2	Floodplains.....	8-25
8.6.3	Wetlands.....	8-27
8.6.4	Ecological Communities.....	8-27
8.6.5	Wildlife.....	8-31
8.6.6	Endangered, Threatened, and Special Concern Species	8-31
8.6.7	Significant Coastal Fish and Wildlife Habitat	8-33
8.7	CONCLUSION	8-34
9.	Historic Resources.....	9-1
9.1	INTRODUCTION.....	9-1
9.1.1	Regulatory Framework.....	9-2
9.2	KEY CONCLUSIONS	9-3
9.2.1	Determination of the Area of Potential Effects.....	9-3
9.2.2	Identification of Historic Architectural Resources.....	9-4
9.2.3	Resource Identification Update.....	9-5
9.2.4	PSA Effects Assessment	9-5
9.2.5	Programmatic Agreement	9-5
9.3	EXISTING CONDITIONS.....	9-6
9.3.1	Segment 1 (Corridor)	9-6
9.3.2	Segment 2 (Corridor and Hunts Point Station Area)	9-6
9.3.3	Segment 3 (Corridor and Parkchester-Van Nest, Morris Park, and Co-op City Station Areas).....	9-11
9.3.4	Segment 4 (Corridor)	9-21
9.4	NO ACTION ALTERNATIVE	9-26



9.4.1	Segment 1 (Corridor)	9-26
9.4.2	Segment 2 (Corridor and Hunts Point Station Area)	9-26
9.4.3	Segment 3 (Corridor and Parkchester-Van Nest, Morris Park, and Co-op City Station Areas)....	9-27
9.4.4	Segment 4 (Corridor)	9-27
9.5	PROPOSED PROJECT	9-28
9.5.1	Segment 1 (Corridor)	9-28
9.5.2	Segment 2 (Corridor and Hunts Point Station Area)	9-28
9.5.3	Segment 3 (Corridor and Parkchester-Van Nest, Morris Park, and Co-op City Station Areas)....	9-29
9.5.4	Segment 4 (Corridor)	9-30
9.5.5	Effects Assessment on Historic Architectural Resources in the Area of Potential Effect.....	9-31
9.6	CONCLUSION	9-33
10.	Archaeological Resources	10-1
10.1	INTRODUCTION.....	10-1
10.1.1	Regulatory Framework.....	10-1
10.1.2	Context and Key Issues	10-1
10.2	KEY CONCLUSIONS	10-2
10.3	METHODOLOGY.....	10-3
10.3.1	Agency Coordination	10-3
10.4	EXISTING CONDITIONS.....	10-4
10.4.1	Segment 1 (Corridor)	10-4
10.4.2	Segment 2 (Corridor and Hunts Point Station Area)	10-5
10.4.3	Segment 3 (Corridor and Parkchester-Van Nest, Morris Park, and Co-op City Station Areas)....	10-7
10.4.4	Segment 4 (Corridor)	10-11
10.5	NO ACTION ALTERNATIVE	10-12
10.6	PROPOSED PROJECT	10-12
10.6.1	Segment 1 (Corridor)	10-12
10.6.2	Segment 2 (Corridor and Hunts Point Station Area)	10-13
10.6.3	Segment 3 (Corridor and Parkchester-Van Nest, Morris Park, and Co-op City Station Areas)...	10-14
10.6.4	Segment 4 (Corridor)	10-15
10.7	MEASURES TO MINIMIZE ARCHAEOLOGICAL IMPACTS	10-15
10.8	CONCLUSION	10-17
11.	Department of Transportation Act, Section 4(f)	11-1
11.1	INTRODUCTION.....	11-1
11.2	REGULATORY CONTEXT AND METHODOLOGY	11-1
11.2.1	Feasible and Prudent Avoidance Alternative and Least Overall Harm	11-2
11.3	PROJECT DESCRIPTION	11-3
11.4	PURPOSE AND NEED	11-7
11.5	USE OF SECTION 4(F) PROPERTIES	11-7
11.5.1	Publicly Owned Parkland and Recreational Areas.....	11-7
11.5.2	Wildlife or Waterfowl Refuge Areas.....	11-19
11.5.3	Historic Architectural Resources	11-19
11.5.4	Archaeological Resources.....	11-29
11.6	CONCLUSION	11-30
12.	Transportation	12-1
12.1	INTRODUCTION.....	12-1
12.2	KEY CONCLUSIONS	12-1
12.3	METHODOLOGY.....	12-2
12.3.1	Rail Operations	12-5
12.3.2	Traffic	12-5
12.3.3	Parking.....	12-10
12.3.4	Transit.....	12-10
12.3.5	Pedestrians	12-11
12.4	EXISTING CONDITIONS	12-11
12.4.1	Penn Station New York.....	12-11
12.4.2	Segment 2 (Hunts Point Station Area).....	12-13



- 12.4.3 Segment 3 (Parkchester-Van Nest, Morris Park, and Co-op City Station Areas) 12-14
- 12.4.4 New Haven Line Existing Rail Operations..... 12-17
- 12.4.5 Hell Gate Line Existing Rail Operations..... 12-18
- 12.5 NO ACTION ALTERNATIVE 12-19**
 - 12.5.1 Penn Station New York..... 12-19
 - 12.5.2 Segment 2 (Hunts Point Station Area)..... 12-21
 - 12.5.3 Segment 3 (Parkchester-Van Nest, Morris Park, and Co-op City Station Areas) 12-21
 - 12.5.4 New Haven Line No Action Alternative Rail Operations 12-23
 - 12.5.5 Hell Gate Line No Action Alternative Rail Operations 12-24
- 12.6 PROPOSED PROJECT 12-25**
 - 12.6.1 Penn Station New York..... 12-25
 - 12.6.2 Segment 2 (Hunts Point Station Area)..... 12-29
 - 12.6.3 Segment 3 (Parkchester-Van Nest, Morris Park, and Co-op City Station Areas) 12-30
 - 12.6.4 New Haven Line Proposed Project Rail Operations 12-34
 - 12.6.5 Hell Gate Line Proposed Project Rail Operations 12-37
- 12.7 CONCLUSION 12-39**
- 13. Air Quality..... 13-1**
 - 13.1 KEY CONCLUSIONS 13-1**
 - 13.2 METHODOLOGY..... 13-1**
 - 13.2.1 Air Pollutants..... 13-1
 - 13.2.2 Applicable Air Quality Standards and Regulations..... 13-2
 - 13.2.3 Regulatory Setting..... 13-4
 - 13.3 LOCALIZED AIR QUALITY ANALYSIS 13-5**
 - 13.3.1 Existing Conditions..... 13-5
 - 13.3.2 No Action Alternative 13-6
 - 13.3.3 Proposed Project..... 13-7
 - 13.4 REGIONAL AIR QUALITY ANALYSIS 13-7**
 - 13.4.1 Methodology..... 13-7
 - 13.4.2 Analysis..... 13-8
 - 13.5 CONCLUSION 13-9**
- 14. Energy..... 14-1**
 - 14.1 KEY CONCLUSIONS 14-1**
 - 14.2 METHODOLOGY..... 14-1**
 - 14.3 EXISTING CONDITIONS..... 14-2**
 - 14.4 NO ACTION ALTERNATIVE 14-2**
 - 14.5 PROPOSED PROJECT 14-3**
 - 14.5.1 Direct Energy Analysis 14-3
 - 14.5.2 Indirect Energy Analysis..... 14-3
 - 14.6 CONCLUSION 14-4**
- 15. Greenhouse Gases..... 15-1**
 - 15.1 KEY CONCLUSIONS 15-1**
 - 15.2 METHODOLOGY..... 15-1**
 - 15.3 EXISTING CONDITIONS..... 15-2**
 - 15.4 NO ACTION ALTERNATIVE 15-3**
 - 15.5 PROPOSED PROJECT 15-3**
 - 15.6 CONCLUSION 15-4**
- 16. Noise and Vibration..... 16-1**
 - 16.1 KEY CONCLUSIONS 16-1**
 - 16.2 METHODOLOGY..... 16-1**
 - 16.2.1 Definitions 16-1
 - 16.2.2 Assessment Methodology..... 16-4
 - 16.3 EXISTING CONDITIONS..... 16-8**
 - 16.3.1 Segment 1 (Corridor) 16-8
 - 16.3.2 Segment 2 (Corridor and Hunts Point Station Area)..... 16-14



16.3.3	Segment 3 (Corridor and Parkchester-Van Nest, Morris Park, and Co-op City Station Areas)...	16-17
16.3.4	Segment 4 (Corridor)	16-23
16.4	PROPOSED PROJECT	16-28
16.4.1	Segment 1 (Corridor)	16-28
16.4.2	Segment 2 (Corridor and Hunts Point Station Area)	16-33
16.4.3	Segment 3 (Corridor and Parkchester-Van Nest, Morris Park, and Co-op City Station Areas)...	16-35
16.4.4	Segment 4 (Corridor)	16-42
16.5	CONCLUSION	16-44
17.	Contaminated Materials	17-1
17.1	KEY CONCLUSIONS	17-1
17.2	METHODOLOGY.....	17-2
17.3	EXISTING CONDITIONS.....	17-3
17.3.1	Segment 1 (Corridor)	17-3
17.3.2	Segment 2 (Corridor and Hunts Point Station Area).....	17-4
17.3.3	Segment 3 (Corridor and Parkchester-Van Nest, Morris Park, and Co-op City Station Areas)....	17-7
17.3.4	Segment 4 (Corridor)	17-9
17.4	NO ACTION ALTERNATIVE	17-11
17.5	PROPOSED PROJECT	17-11
17.5.1	Segment 1 (Corridor)	17-12
17.5.2	Segment 2 (Corridor and Hunts Point Station).....	17-12
17.5.3	Segment 3 (Corridor and Parkchester-Van Nest Station, Morris Park Station, Co-op City Station).....	17-12
17.5.4	Segment 4 (Corridor)	17-13
17.6	MEASURES TO PROTECT WORKERS, THE PUBLIC, AND THE ENVIRONMENT	17-13
17.6.1	Subsurface Investigations	17-13
17.6.2	Health and Safety Plan.....	17-13
17.6.3	Hazardous Materials Management Plan	17-14
17.7	CONCLUSION	17-15
18.	Safety and Security.....	18-1
18.1	KEY CONCLUSIONS	18-1
18.2	METHODOLOGY.....	18-1
18.3	EXISTING CONDITIONS.....	18-2
18.3.1	Hell Gate Line Corridor	18-2
18.3.2	Penn Station New York.....	18-2
18.4	NO ACTION ALTERNATIVE	18-2
18.5	PROPOSED PROJECT	18-3
18.6	CONCLUSION	18-3
19.	Construction and Construction Impacts	19-1
19.1	KEY CONCLUSIONS	19-1
19.2	CONSTRUCTION ELEMENTS.....	19-2
19.2.1	Passenger Stations.....	19-2
19.2.2	Trackwork	19-3
19.2.3	Interlockings	19-3
19.2.4	Rail Bridges	19-4
19.2.5	Traction Power System and Substations	19-5
19.2.6	Signals and Communications.....	19-7
19.2.7	Rail Yards and Facilities.....	19-7
19.3	CONSTRUCTION SCHEDULE AND PHASING	19-7
19.4	CONSTRUCTION STAGING AREAS AND ACCESS	19-8
19.5	POTENTIAL EFFECTS OF PROPOSED PROJECT CONSTRUCTION	19-12
19.5.1	Land Use, Zoning, and Public Policy.....	19-12
19.5.2	Socioeconomic Conditions	19-12
19.5.3	Community Facilities and Services	19-13
19.5.4	Visual Resources	19-13
19.5.5	Open Space and Recreation.....	19-13



19.5.6 Natural Resources..... 19-14

19.5.7 Historic Resources..... 19-19

19.5.8 Archaeological Resources..... 19-20

19.5.9 Transportation..... 19-20

19.5.10 Air Quality..... 19-22

19.5.11 Energy..... 19-23

19.5.12 Greenhouse Gases..... 19-23

19.5.13 Noise and Vibration..... 19-24

19.5.14 Contaminated Materials..... 19-37

19.5.15 Safety and Security..... 19-38

19.6 MEASURES TO MINIMIZE COMMUNITY IMPACTS19-38

19.7 CONCLUSION19-39

20. Environmental Justice 20-1

20.1 KEY CONCLUSIONS20-1

20.2 METHODOLOGY..... 20-2

20.3 EXISTING CONDITIONS..... 20-3

20.3.1 Minority and Low-Income Characteristics..... 20-3

20.4 NO ACTION ALTERNATIVE 20-5

20.5 PROPOSED PROJECT20-10

20.5.1 Noise and Vibration..... 20-10

20.5.2 Construction and Construction Impacts..... 20-11

20.6 PUBLIC PARTICIPATION 20-11

20.7 CONCLUSION 20-12

21. Indirect and Cumulative Effects 21-1

21.1 KEY CONCLUSIONS 21-1

21.2 METHODOLOGY..... 21-1

21.3 INDIRECT EFFECTS 21-2

21.4 CUMULATIVE EFFECTS 21-4

21.4.1 Potential Future Projects..... 21-4

21.4.2 Potential Cumulative Effects of the Proposed Project..... 21-8

21.5 CONCLUSION 21-10

22. Public Participation and Agency Coordination..... 22-1

22.1 METHODOLOGY AND PROCESS..... 22-1

22.2 PUBLIC PARTICIPATION 22-1

22.3 AGENCY COORDINATION 22-3

22.4 STAKEHOLDER COORDINATION 22-4

22.5 STAKEHOLDER AGREEMENTS..... 22-4

22.5.1 Planning Process and Expense Agreement..... 22-5

22.5.2 Memorandum of Understanding..... 22-5

22.5.3 Preliminary Design Phase Agreement..... 22-5

22.6 ENVIRONMENTAL JUSTICE 22-6

22.7 CONTACT INFORMATION 22-6

22.8 METHODS FOR VIEWING ENVIRONMENTAL ASSESSMENT 22-7



Figures

Figure 1-1	Proposed Project.....	1-2
Figure 1-2	Regional Rail System.....	1-10
Figure 2-1	Proposed Project – Corridor Segments	2-2
Figure 2-2	Proposed Hunts Point Station Location.....	2-6
Figure 2-3	Proposed Parkchester-Van Nest Station Location	2-8
Figure 2-4	Proposed Morris Park Station Location	2-10
Figure 2-5	Proposed Co-op City Station Location.....	2-12
Figure 2-6	Segment 1 Schematic.....	2-17
Figure 2-7	Segment 2 Schematic.....	2-21
Figure 2-8	Segment 3 Schematic.....	2-25
Figure 2-9	Segment 4 Schematic.....	2-29
Figure 3-1	Land Use (Existing): Segment 1 (Corridor).....	3-4
Figure 3-2	Land Use (Existing): Segment 2 (Corridor and Hunts Point Station Area)	3-7
Figure 3-3	Land Use (Existing): Segment 3 (Corridor and Parkchester-Van Nest, Morris Park, and Co-op City Station Areas)	3-10
Figure 3-4	Land Use (Existing): Segment 4 (Corridor).....	3-15
Figure 3-5	Programmed/Committed Development Projects: Hell Gate Line (HGL) Corridor	3-19
Figure 5-1	Existing Police Precincts: Proposed Station Locations along the Hell Gate Line (HGL) Corridor.....	5-3
Figure 5-2	Existing Fire Companies, Battalions, and Houses: Proposed Station Locations along the Hell Gate Line (HGL) Corridor.....	5-4
Figure 6-1	Photo Key Map: Segment 1 (Corridor).....	6-3
Figure 6-2	Photo Key Map: Segment 2 (Corridor and Hunts Point Station Area).....	6-5
Figure 6-3	Photo Key Map: Segment 3 (Corridor and Parkchester – Van Nest, Morris Park, and Co-op City Station Areas).....	6-8
Figure 6-4	Photo Key Map: Segment 3 (Parkchester-Van Nest Station Area).....	6-9
Figure 6-5	Photo Key Map: Segment 3 (Morris Park Station Area).....	6-11
Figure 6-6	Photo Key Map: Segment 3 (Co-op City Station Area)	6-14
Figure 6-7	Photo Key Map: Segment 4 (Corridor).....	6-16
Figure 6-8	Sample Renderings of Station and Pedestrian Overpass	6-18
Figure 6-9	Typical Substation.....	6-19
Figure 7-1	Open Space (Existing): Segment 1 (Corridor)	7-3
Figure 7-2	Open Space (Existing): Segment 2 (Corridor and Hunts Point Station Area).....	7-5
Figure 7-3	Open Space (Existing): Segment 3 (Corridor and Parkchester-Van Nest, Morris Park, and Co-op City Station Areas)	7-9
Figure 7-4	Open Space (Existing): Segment 4 (Corridor)	7-12
Figure 8-1	Natural Resources (Existing): Federal Emergency Management Agency Flood Zones	8-7
Figure 8-2	Wetlands (Existing NYSDEC): Segment 1 Corridor.....	8-10
Figure 8-3	Wetlands (Existing NWI): Segment 1 Corridor.....	8-11
Figure 8-4	Wetlands (Existing NYSDEC): Segment 2 Corridor (along the Bronx River).....	8-12
Figure 8-5	Wetlands (Existing NWI): Segment 2 Corridor (along the Bronx River).....	8-13
Figure 8-6	Wetlands (Existing NYSDEC): Segment 3 and Segment 4 (Corridors and Co-op City).....	8-14
Figure 8-7	Wetlands (Existing NWI): Segment 3 and Segment 4 (Corridors and Co-op City).....	8-15
Figure 8-8	Tree Removal Areas along the Hell Gate Line Right-of-Way (Segment 1).....	8-29
Figure 8-9	Tree Removal Areas along the Hell Gate Line Right-of-Way (Segments 2, 3, and 4).....	8-30
Figure 9-1	Historic Resource Area of Potential Affect and State Historic Preservation Office Opinions of Eligibility: Segment 2.....	9-7
Figure 9-2	State Historic Preservation Office Opinions of Eligibility (Segment 2): Lafayette Avenue Bridge over the Amtrak Hell Gate Line.....	9-7
Figure 9-3	State Historic Preservation Office Opinions of Eligibility (Segment 2): IRT No. 6 Subway Truss Bridge over Westchester Avenue, Amtrak HGL (Northeast Corridor) and Bronx River.....	9-8
Figure 9-4	State Historic Preservation Office Opinions of Eligibility (Segment 2): Amtrak Hell Gate Line (Northeast Corridor) Bascule Bridge over the Bronx River.....	9-8

Figure 9-5.	Historic Resource Area of Potential Effect and State Historic Preservation Office Opinions of Eligibility: Hunts Point Station.....	9-9
Figure 9-6.	Historic Resource Area of Potential Effect and State Historical Preservation Office Opinions of Eligibility: Amtrak HGL (Northeast Corridor) Bascule Bridge over the Bronx River and Proposed New Railroad Bridge over Bronx River at MP 11.40	9-11
Figure 9-7.	Historic Resource Area of Potential Effect and State Historic Preservation Office Opinions of Eligibility: Segment 3.....	9-13
Figure 9-8.	State Historic Preservation Office Opinions of Eligibility (Segment 3): New York, Westchester & Boston Railway Anchor Bridge	9-13
Figure 9-9.	State Historic Preservation Office Opinions of Eligibility (Segment 3): Cross Bronx Expressway Bridge (I-95) Corridor over the Sheridan Expressway (I-895), Bronx River and Amtrak Hell Gate Line.....	9-14
Figure 9-10.	State Historic Preservation Office Opinions of Eligibility (Segment 3): Amtrak Hell Gate Line Bascule Bridge over Pelham Bay and Hutchinson River.....	9-14
Figure 9-11.	Historic Resource Area of Potential Effect: Parkchester-Van Nest Station	9-16
Figure 9-12.	State Historic Preservation Office Opinion of Eligibility (Segment 3): Parkchester Apartment Complex.....	9-17
Figure 9-13.	Historic Resources Area of Potential Effect: Morris Park Station.....	9-19
Figure 9-14.	Historic Resource Area of Potential Effect: Co-op City Station.....	9-20
Figure 9-15.	Historic Resource Area of Potential Effect and State Historic Preservation Office Opinions of Eligibility: Segment 4.....	9-22
Figure 9-16.	State Historic Preservation Office Opinions of Eligibility (Segment 4): Pelham Lane Pathway Bridge	9-22
Figure 9-17.	Historic Resource Area of Potential Effect: New Rochelle Yard	9-23
Figure 9-18.	State Historic Preservation Office Opinions of Eligibility (Segment 4): Kaufman Building	9-24
Figure 10-1.	Area of Potential Effect (Existing Conditions): Segment 2 – Hunts Point Station.....	10-6
Figure 10-2.	Area of Potential Effect (Existing Conditions): Segment 3 – Parkchester-Van Nest Station.....	10-8
Figure 10-3.	Area of Potential Effect (Existing Conditions): Segment 3 – Morris Park Station.....	10-9
Figure 10-4.	Area of Potential Effect (Existing Conditions): Segment 3 – Co-op City Station	10-10
Figure 10-5.	Area of Potential Effect (Existing Conditions): New Rochelle Yard.....	10-12
Figure 11-1.	Proposed Project.....	11-4
Figure 11-2.	Proposed Project Corridor Segments.....	11-6
Figure 11-3.	Open Space (Existing): Segment 1 (Corridor)	11-15
Figure 11-4.	Open Space (Existing): Segment 2 (Corridor and Hunts Point Station Area).....	11-16
Figure 11-5.	Open Space (Existing): Segment 3 (Corridor and Parkchester-Van Nest, Morris Park, and Co-op City Station Areas)	11-17
Figure 11-6.	Open Space (Existing): Segment 4 (Corridor)	11-18
Figure 11-7.	Historic Resource Area of Potential Effect and State Historic Preservation Office Opinions of Eligibility: Segment 2.....	11-22
Figure 11-8.	Historic Resource Area of Potential Effect and State Historic Preservation Office Opinions of Eligibility: Amtrak Hell Gate Line Bascule Bridge over the Bronx River and Proposed New Railroad Bridge over Bronx River at MP 11.40.....	11-23
Figure 11-9.	Historic Resource Area of Potential Effect and State Historic Preservation Office Opinions of Eligibility: Segment 4.....	11-24
Figure 11-10.	Photographs of Pelham Lane Pathway Bridge	11-26
Figure 12-1.	Penn Station New York: Transportation Study Area	12-3
Figure 12-2.	Proposed Bronx Stations: Transportation Study Areas	12-4
Figure 14-1.	Energy Consumption by Sector (2018).....	14-2
Figure 15-1.	Carbon Dioxide Emissions from Fossil Combustion by Sector and Fuel Type (2018).....	15-3
Figure 16-1.	Typical A-Weighted Decibel Levels for Transit and Non-Transit Noise Sources.....	16-2
Figure 16-2.	Typical Ground-Borne Vibration Levels for Transit and Non-Transit Sources	16-3
Figure 16-3.	Noise Impact Exposure Criteria for Categories 1, 2, and 3 Land Uses	16-5
Figure 16-4.	Generalized Ground-Surface Vibration Curves	16-7
Figure 16-5.	Representative Sensitive Receptors: Segment 1 (Corridor)	16-9
Figure 16-6.	Representative Sensitive Receptors 1.1 and 1.2: Segment 1 (Corridor)	16-10
Figure 16-7.	Representative Sensitive Receptors 1.3, 1.4 and 1.5: Segment 1 (Corridor).....	16-11
Figure 16-8.	Representative Sensitive Receptors 1.6, 1.7, 1.8, 1.9, and 1.10: Segment 1 (Corridor).....	16-12



Figure 16-9.	Representative Sensitive Receptor 1.11: Segment 1 (Corridor)	16-13
Figure 16-10.	Representative Sensitive Receptor: Segment 2 (Corridor and Proposed Hunts Point Station Area)	16-15
Figure 16-11.	Representative Sensitive Receptor 2.1: Segment 2 (Corridor and Proposed Hunts Point Station Area)	16-16
Figure 16-12.	Sensitive Receptors: Segment 3 (Corridor and Parkchester-Van Nest, Morris Park, and Co-op City Station Areas).....	16-18
Figure 16-13.	Sensitive Receptors 3.1 and 3.2: Segment 3 (Corridor and Parkchester-Van Nest, Morris Park, and Co-op City Station Areas).....	16-19
Figure 16-14.	Sensitive Receptors 3.3 and 3.4: Segment 3 (Corridor and Parkchester-Van Nest, Morris Park, and Co-op City Station Areas).....	16-20
Figure 16-15.	Sensitive Receptors 3.5, 3.6 and 3.7: Segment 3 (Corridor and Parkchester-Van Nest, Morris Park, and Co-op City Station Areas)	16-21
Figure 16-16.	Sensitive Receptors 3.8 and 3.9: Segment 3 (Corridor and Parkchester-Van Nest, Morris Park, and Co-op City Station Areas).....	16-22
Figure 16-17.	Representative Sensitive Receptors: Segment 4 (Corridor)	16-24
Figure 16-18.	Representative Sensitive Receptor 4.1: Segment 4 (Corridor)	16-25
Figure 16-19.	Representative Sensitive Receptor 4.2: Segment 4 (Corridor)	16-26
Figure 16-20.	Representative Sensitive Receptor 4.3: Segment 4 (Corridor)	16-27
Figure 16-21.	Moderate Noise Impacts: Segment 1 (Corridor) – Part 1	16-30
Figure 16-22.	Moderate Noise Impacts: Segment 1 (Corridor) – Part 2.....	16-31
Figure 16-23.	Moderate Noise Impacts: Segment 1 (Corridor) – Part 3.....	16-32
Figure 16-24.	Moderate Noise Impacts: Segment 3 (Corridor).....	16-37
Figure 16-25.	Moderate and Severe Noise Impacts: Segment 3 (Corridor and Parkchester-Van Nest Station Area)	16-38
Figure 16-26.	Receptor 3.6 – Hone Avenue Location Relative to Nearest Track on Railroad Right-of-Way	16-40
Figure 16-27.	Proposed Noise Mitigation Locations and Effects: Segment 3 (Close-up).....	16-41
Figure 16-28.	Moderate Noise Impacts: Segment 4 (Corridor)	16-43
Figure 19-1.	Hunts Point Station Area Construction Noise Analysis Sensitive Receptor Locations	19-26
Figure 19-2.	Parkchester-Van Nest Station Area Construction Noise Analysis Sensitive Receptor Locations.....	19-27
Figure 19-3.	Morris Park Station Area Construction Noise Analysis Sensitive Receptor Locations.....	19-28
Figure 19-4.	Co-op City Station Area Construction Noise Analysis Sensitive Receptor Locations	19-29
Figure 20-1.	Environmental Justice Communities – Segment 1	20-6
Figure 20-2.	Environmental Justice Communities – Segment 2	20-7
Figure 20-3.	Environmental Justice Communities – Segment 3	20-8
Figure 20-4.	Environmental Justice Communities – Segment 4	20-9
Figure 21-1.	Transportation Improvement Projects.....	21-5

Tables

Table 1-1.	Sample Travel Times from the Eastern Bronx	1-8
Table 1-2.	Proposed Project Goals and Objectives	1-9
Table 2-1.	Alignment Options	2-3
Table 2-2.	Penn Station New York Revenue AM Peak-Period Train Arrivals and PM Peak-Period Departures	2-32
Table 2-3.	AM Peak-Period Inbound and PM Peak-Period Outbound Train Operations (Hell Gate Line: Existing, No Action Alternative, Proposed Project)	2-33
Table 2-4.	AM Peak-Period New Haven Line Inbound Trips to Penn Station New York and Grand Central Terminal (No Action Alternative, Proposed Project)	2-34
Table 2-5.	Daily One-Way Person Trips (Proposed Project)	2-34
Table 2-6.	Daily One-Way New Person Trips (Proposed Project)	2-35
Table 2-7.	Daily Ons and Offs at Proposed Project Stations.....	2-35
Table 2-8.	AM Peak-Period Ons and Offs at Proposed Project Stations (Inbound and Outbound).....	2-35
Table 3-1.	Hunts Point Station Area: Programmed/Committed Development Projects.....	3-17
Table 3-2.	Segment 3 Corridor and Parkchester-Van Nest Station Area: Programmed/Committed Development Projects.....	3-21
Table 3-3.	Morris Park Station Area: Programmed/Committed Development Projects.....	3-22
Table 3-4.	Proposed Property Acquisitions, Easements and Right-of-Way Agreements	3-25
Table 7-1.	Open Space (Existing): Segment 1 (Corridor)	7-2
Table 7-2.	Open Space (Existing): Segment 2 (Corridor and Hunts Point Station Area).....	7-6
Table 7-3.	Open Space (Existing): Segment 3 (Corridor and Parkchester-Van Nest, Morris Park, and Co-op City Station Areas)	7-10
Table 7-4.	Open Space (Existing): Segment 4 (Corridor)	7-11
Table 8-1.	Rare Bird Species (Documented): Co-op City Station Area.....	8-19
Table 8-2.	Endangered, Threatened, or Candidate Species within Proposed Project Study Area.....	8-21
Table 8-3.	Rare Plant Species (Historical Records): Co-op City Station Area.....	8-22
Table 8-4.	Endangered Species Act Species within the Greater Atlantic Region.....	8-22
Table 9-1.	Areas of Potential Effect: State Historic Preservation Office Opinions of Eligibility	9-25
Table 9-2.	Proposed Project: Effects Assessment.....	9-34
Table 9-3.	Proposed Project Area of Potential Effect: Conditions for a No Adverse Effect on Historic Resources.....	9-35
Table 11-1.	Section 4(f) Properties - Publicly -Owned Parkland and Recreational Areas in Segment 1	11-11
Table 11-2.	Section 4(f) Properties – Publicly -Owned Parkland and Recreational Areas in Segment 2	11-12
Table 11-3.	Section 4(f) Properties – Publicly Owned Parkland and Recreational Areas in Segment 3.....	11-13
Table 11-4.	Section 4(f) Properties – Publicly Owned Parkland and Recreational Areas in Segment 4.....	11-14
Table 11-5.	Section 4(f) Properties – Historic Architectural Resources Segments 1 and 2	11-20
Table 11-6.	Section 4(f) Properties – Historic Architectural Resources Segments 3 and 4	11-21
Table 12-1.	Number of Intersections Analyzed by Station Area.....	12-5
Table 12-2.	Intersection Level-of-Service Criteria.....	12-6
Table 12-3.	Penn Station New York and Proposed Bronx Stations’ Study Areas: Ridership Forecasts – Passenger Ons and Offs (AM Peak Period).....	12-8
Table 12-4.	Penn Station New York and Proposed Bronx Stations’ Study Areas: Ridership Forecasts – Passenger Ons and Offs (AM Peak Hour).....	12-8
Table 12-5.	Penn Station New York and Proposed Bronx Stations’ Study Areas: Incremental Trips by Mode by Direction (AM Peak Hour)	12-9
Table 12-6.	Penn Station New York and Proposed Bronx Stations’ Study Areas: Modal Split (AM Peak Hour) ...	12-10
Table 12-7.	Penn Station New York and Proposed Bronx Stations’ Study Areas: Total Incremental Trips (AM Peak Hour)	12-10
Table 12-8.	Metro-North New Haven Line Weekday Service – Existing Conditions.....	12-18
Table 12-9.	Hell Gate Line Weekday Service – Existing Conditions.....	12-18
Table 12-10.	Penn Station New York Study Area: East Side Access Project Change in Subway Transfers – No Action Alternative (AM Peak Period)	12-20
Table 12-11.	Hell Gate Line Weekday Service – Existing and No Action Alternative.....	12-24

Table 12-12.	Penn Station New York Revenue AM Peak-Period Train Arrivals and PM Peak-Period Departures	12-25
Table 12-13.	Penn Station New York Weekday (24 hours) Service – Baseline, No Action Alternative, and Proposed Project	12-26
Table 12-14.	Penn Station New York AM Peak (6:00-10:00 AM) Service – Baseline, No Action Alternative, and Proposed Project	12-26
Table 12-15.	Penn Station New York Study Area: Proposed Project Total Incremental Trips by Mode (AM Peak Hour)	12-27
Table 12-16.	Penn Station New York Study Area: Change in Subway Transfers – No Action Alternative and Proposed Project (AM Peak Period)	12-28
Table 12-17.	Hunts Point Station Area: Total Incremental Trips by Mode (AM Peak Hour) – Proposed Project ...	12-29
Table 12-18.	Hunts Point Station Area Incremental Parking Demand Projections in the AM Peak Period – Proposed Project	12-30
Table 12-19.	Parkchester-Van Nest Station Area: Total Incremental Trips by Mode (AM Peak Hour) – Proposed Project	12-30
Table 12-20.	Parkchester-Van Nest Station Area Incremental Parking Demand Projections in the AM Peak Period – Proposed Project	12-31
Table 12-21.	Morris Park Station Area: Proposed Project Total Incremental Trips by Mode (AM Peak Hour)	12-32
Table 12-22.	Morris Park Station Area Incremental Parking Demand Projections in the AM Peak – Proposed Project	12-32
Table 12-23.	Co-op City Station Area: Proposed Project Total Incremental Trips by Mode (AM Peak Hour)	12-33
Table 12-24.	Co-op City Station Area Incremental Parking Demand Projections in the AM Peak Period – Proposed Project	12-34
Table 12-25.	New Haven Line Weekday (24 hours) Service – Baseline, No Action Alternative, and Proposed Project	12-36
Table 12-26.	New Haven Line AM Peak (6:00-10:00 AM) Service – Baseline, No Action Alternative, and Proposed Project	12-36
Table 12-27.	Hell Gate Line Weekday Service – Existing, No Action Alternative, and Proposed Project	12-37
Table 12-28.	Hell Gate Line Weekday (24 hours) Service – Baseline, No Action Alternative, and Proposed Project	12-38
Table 12-29.	Hell Gate Line AM Peak (6:00-10:00 AM) Service – Baseline, No Action Alternative, and Proposed Project	12-38
Table 12-30.	Alignment Options Simulation Results	12-39
Table 13-1.	Applicable Ambient Air Quality Standards and Guidelines	13-3
Table 13-2.	Representative Ambient Air Quality Data Applicable to Penn Station New York Study Area (2018) ^{1, 2}	13-5
Table 13-3.	Representative Ambient Air Quality Data Applicable to the New Stations’ Study Areas in the Bronx (2018) ^{1, 2}	13-6
Table 13-4.	Daily Vehicle-Miles Travelled with No Action Alternative and Proposed Project (2025)	13-8
Table 13-5.	Predicted Annual Regional Emissions with No Action Alternative and Proposed Project (2025)	13-9
Table 14-1.	Annual Vehicular Energy Consumption: No Action Alternative and Proposed Project (2025)	14-3
Table 14-2.	Annual Train Energy Consumption: No Action Alternative and Proposed Project (2025)	14-3
Table 14-3.	Annual Energy Consumption: No Action Alternative and Proposed Project (2025)	14-3
Table 15-1.	Global Warming Potential	15-1
Table 15-2.	Annual Greenhouse Gas Emissions: No Action Alternative and Proposed Project (2025)	15-3
Table 15-3.	Annual Greenhouse Gas Emissions: Proposed Project Maintenance and Operations	15-4
Table 16-1.	Average Ability to Perceive Changes in Noise Levels	16-2
Table 16-2.	Land-Use Categories and Noise Metrics	16-4
Table 16-3.	Ground-Borne Root Mean Square Vibration Criteria	16-5
Table 16-4.	Hell Gate Line Rail Service and Average Speeds (Existing)	16-6
Table 16-5.	Hell Gate Line Rail Service and Forecast Speeds: Proposed Project	16-6
Table 16-6.	Representative Sensitive Receptors (Existing Conditions): Segment 1 (Corridor)	16-8
Table 16-7.	Representative Sensitive Receptor (Existing Conditions): Segment 2 (Corridor and Proposed Hunts Point Station Area)	16-14
Table 16-8.	Representative Sensitive Receptors: Segment 3 (Corridor and Proposed Parkchester-Van Nest, Morris Park, and Co-op City Station Areas)	16-17
Table 16-9.	Representative Sensitive Receptors: Segment 4 (Corridor)	16-23



Table 16-10. Projected Transit Noise-Exposure Levels and Federal Transit Administration Impact Criteria for Proposed Project Train Service at Representative Sensitive Receptors: Segment 1 (Corridor)..... 16-29

Table 16-11. Projected Transit Vibration-Exposure Levels and Federal Transit Administration Impact Criteria for Proposed Project Train Service at Representative Sensitive Receptors: Segment 1 (Corridor) 16-33

Table 16-12. Projected Transit Noise-Exposure Levels and Federal Transit Administration Impact Criteria for Proposed Project Train Service at Representative Sensitive Receptors: Segment 2 (Corridor and Hunts Point Station Area) 16-34

Table 16-13. Projected Transit Vibration-Exposure Levels and Federal Transit Administration Impact Criteria for Proposed Project Train Service at Representative Sensitive Receptors: Segment 2 (Corridor and Hunts Point Station Area)..... 16-34

Table 16-14. Projected Transit Noise-Exposure Levels and FTA Impact Criteria for Proposed Project Train Service at Representative Sensitive Receptors: Segment 3 (Corridor, Parkchester-Van Nest, Morris Park, and Co-op City Station Areas)..... 16-36

Table 16-15. Projected Transit Vibration-Exposure Levels and Federal Transit Administration Impact Criteria for Proposed Project Train Service at Representative Sensitive Receptors: Segment 3 (Corridor and Parkchester-Van Nest, Morris Park, and Co-op City Station Areas) 16-39

Table 16-16. Projected Transit Noise-Exposure Levels and FTA Impact Criteria for Proposed Project Train Service at Sensitive Receptors: Segment 4 (Corridor) 16-42

Table 16-17. Projected Transit Vibration-Exposure Levels and Federal Transit Administration Impact Criteria for Proposed Project Train Service at Representative Sensitive Receptors: Segment 4 (Corridor) 16-43

Table 16-18. Projected Transit Noise and Vibration Impacts by Segment..... 16-44

Table 19-1. Proposed Project Construction Element Durations..... 19-8

Table 19-2. Existing Access Points and Approximate Staging Areas along the Hell Gate Line (HGL) Corridor ... 19-10

Table 19-3. General Assessment Construction Noise Criteria..... 19-25

Table 19-4. Estimated Station Construction Noise Exposure at Nearest Residential Properties – FTA General Assessment 19-26

Table 19-5. Noise Exposure Standards for Use in City Environmental Impact Reviews¹ 19-31

Table 19-6. Estimated Daytime (7a.m. to 10 p.m.) Construction Noise Exposure (Hourly Maximum per Month) at Nearest Residential Properties to Proposed Station..... 19-32

Table 19-7. Vibration Source Levels for Construction Equipment¹ 19-33

Table 19-8. Construction Vibration Damage Criteria..... 19-33

Table 19-9. Noise Reduction Requirements at Construction Site to Ensure Exterior and Interior Noise Levels remain within CEQR Acceptable limits..... 19-34

Table 19-10. Noise Emission Reference Levels (A-weighted decibels with RMS “slow” time constant)..... 19-34

Table 19-11. Noise Emission Reference Levels (A-weighted decibels with RMS “slow” time constant)..... 19-35



Appendices

Appendix A: Penn Station Access Future Build – Option J1 Network Simulation Report

Appendix B: Ridership Report

Appendix C: Land Use, Zoning, and Public Policy

Appendix D: Socioeconomic Conditions

Appendix E: Agency Correspondence and Public Involvement

Appendix F: Natural Resources

Appendix G: Historic, Archaeological, and Cultural Resources

Appendix H: Transportation

Appendix I: Air Quality, Energy, and Greenhouse Gases

Appendix J: Noise and Vibration

Appendix K: Contaminated Materials Supporting Documentation

Appendix L: Environmental Justice

Appendix M: Mitigation, Minimization, and Monitoring Requirements



Acronyms

AC.....	alternating current
ACHP.....	Advisory Council on Historic Preservation
ADA.....	Americans with Disabilities Act
APE.....	Area of Potential Effects
BFE.....	Base Flood Elevation
Btu.....	British thermal unit(s)
CAA.....	Clean Air Act
CEQ.....	Council on Environmental Quality
CART.....	communication access real-time translation
CEQR.....	City Environmental Quality Review
CO.....	carbon monoxide
CO2.....	carbon dioxide
CO2eq.....	carbon dioxide equivalents
dba.....	A-weighted decibel
DC.....	direct current
EA.....	Environmental Assessment
ECL.....	Environmental Conservation Law
EFH.....	essential fish habitat
EIS.....	Environmental Impact Statement
EPA.....	U.S. Environmental Protection Agency
ESA project.....	East Side Access project
ESD.....	Empire State Development Corporation
FDNY.....	New York City Fire Department
FEMA.....	Federal Emergency Management Agency
FHWA.....	Federal Highway Administration
FRA.....	Federal Railroad Administration
FTA.....	Federal Transit Administration
GCT.....	Grand Central Terminal
GHG.....	greenhouse gases
HARBS.....	Historic Architectural Resource Background Study
HGL.....	Hell Gate Line
HHS.....	U.S. Department of Health and Human Services
HM.....	High-Marsh
HP.....	Hunts Point Special District
Hz.....	Hertz
IM.....	Intertidal Marsh
IPaC System.....	Information for Planning Consultation System
Ldn.....	Average 24-Hour Day/Night Noise Level
Leq.....	Average Hourly Equivalent Noise Level
LIRR.....	Long Island Rail Road
Lmax.....	maximum noise levels
LOS.....	level of service



Contents

LPCNew York City Landmarks Preservation Commission

Metro-North Metro-North Railroad

MMBtumillion British thermal units

MOUMemorandum of Understanding

MTA.....Metropolitan Transportation Authority

MTACD Metropolitan Transportation Authority Construction and Development

N₂O nitrous oxide

NAAQSNational Ambient Air Quality Standards

NAVD88North American Vertical Datum of 1988

NEC Northeast Corridor

NEPANational Environmental Policy Act

NHL..... Metro-North New Haven Line

NHPA.....National Historic Preservation Act

NJ TRANSITNew Jersey Transit

NMFSNational Marine Fisheries Service

NO₂.....Nitrogen Dioxide

NOAANational Oceanic and Atmospheric Administration

NRHPNational Register of Historic Places

NWINational Wetlands Inventory

NYCDCPNew York City Department of City Planning

NYCDEP.....New York City Department of Environmental Protection

NYCDOTNew York City Department of Transportation

NYCDPRNew York City Department of Parks and Recreation

NYCEDC.....New York City Economic Development Corporation

NYCTNew York City Transit

NYMTCNew York Metropolitan Transportation Council

NYNHPNew York Natural Heritage Program

NYNH&HNew York, New Haven and Hartford Railroad

NYPD.....New York City Police Department

NYSDECNew York State Department of Environmental Conservation

NYSDOT.....New York State Department of Transportation

NYSHPA.....New York State Historic Preservation Act

NYSOPRHP.....New York State Office of Parks, Recreation and Historic Preservation

NYW&B.....New York Westchester & Boston Railway

O₃.....ozone

OCS.....overhead contact system

PAHs.....polycyclic aromatic hydrocarbons

Pb..... lead

PC..... Special Planned Community Preservation District

PCBs.....polychlorinated biphenyls

PFIRMPreliminary Flood Insurance Rate Map

PIL.....Project Initiation Letter

PM₁₀particulate matter smaller than 10 microns

PM_{2.5}.....particulate matter smaller than 2.5 microns

ppm parts per million



PSA..... Penn Station Access
PSNY Penn Station New York
RMS.....root mean square
ROD.....Record of Decision
RTFM Regional Transit Forecasting Model
S/NR.....New York State or National Register
SEHP StudySheridan – Hunts Point Land Use and Transportation Study
SEQRA New York State Environmental Quality Review Act
SHPO..... State Historic Preservation Office
SM..... Coastal Shoals, Bars, and Mudflats
SNWA..... Special Natural Waterfront Area
SO₂ sulfur dioxide
SRHPState Register of Historic Places
STC..... Sound Transmission Classification
SWPPP.....Stormwater Pollution Protection Plan
USACE..... U.S. Army Corps of Engineers
USCG..... U.S. Coast Guard
USDOT U.S. Department of Transportation
USFWS U.S. Fish and Wildlife Services
v/cvolume-to-capacity
VdB velocity levels in decibels
VMT..... vehicle-miles traveled
VOC..... volatile organic compounds
μipsone micro-inch per second