

**FINAL ENVIRONMENTAL IMPACT STATEMENT
FOR
THE EAST 125TH STREET DEVELOPMENT**

CEQR No.: 07DME025M

LEAD AGENCY:

Office of the Deputy Mayor for Economic Development

LEAD AGENCY CONTACT:

Robert Kulikowski, PhD
Assistant to the Mayor

PREPARED FOR:

New York City Economic Development Corporation
110 William Street
New York, New York 10038

PREPARED BY:

STV Incorporated
Philip Habib & Associates
Environmental Simulation Center

August 2008

Forward	.....	F-1
Chapter 1.0	Executive Summary	1.0-1
Chapter 2.0	Project Description	2.0-1
	Introduction.....	2.0-1
	2.1 Required Approvals and Review Procedures	2.0-5
	2.2 Description of the Proposed Action	2.0-6
	2.3 Purpose and Need.....	2.0-19
Chapter 3.0	Existing Conditions	
Chapter 3.1:	Land Use, Zoning and Public Policy	3.1-1
	Introduction.....	3.1-1
	3.1.1 Existing Conditions	3.1-3
	3.1.2 Future Conditions Without the Action.....	3.1-29
	3.1.3 Future With the Proposed Action	3.1-39
Chapter 3.2:	Socioeconomic Conditions	3.2-1
	Introduction	3.2-1
	3.2.1 Preliminary Screening Assessment	3.2-8
	3.2.2 Detailed Analysis of Indirect Residential Displacement	3.2-13
	3.2.3 Detailed Analysis of Direct And Indirect Business And Institutional Displacement	3.2-45
Chapter 3.3:	Community Facilities and Services	3.3-1
	3.3.1 Existing Conditions	3.3-3
	3.3.2 Future Without the Proposed Action	3.3-25
	3.3.3 Future with the Proposed Action	3.3-30
Chapter 3.4:	Open Space	3.4-1
	Introduction	3.4-1
	3.4.1 Existing Conditions	3.4-3
	3.4.2 Future Without the Proposed Action	3.4-18
	3.4.3 Future With the Proposed Action	3.4-28
Chapter 3.5:	Shadows	3.5-1
	Introduction	3.5-1
	3.5.1 Existing Conditions	3.5-2
	3.5.2 Future Without the Proposed Action	3.5-11
	3.5.3 Future With the Action	3.5-18
Chapter 3.6:	Historic Resources	3.6-1
	Introduction	3.6-1
	3.6.1 Existing Conditions	3.6-4
	3.6.2 Future Without The Proposed Action	3.6-10
	3.6.3 Future With The Proposed Action	3.6-10

Chapter 3.7:	Urban Design and Visual Resources	3.7-1
	Introduction.....	3.7-1
	3.7.1 Existing Conditions	3.7-2
	3.7.2 Future Without the Proposed Action	3.7-38
	3.7.3 Future With the Action	3.7-40
Chapter 3.8:	Neighborhood Character	3.8-1
	Introduction	3.8-1
	3.8.1 Existing Conditions	3.8-2
	3.8.2 Future Without the Proposed Action	3.8-6
	3.8.3 Future With the Proposed Action	3.8-8
Chapter 3.9	Natural Resources	3.9-1
	Introduction	3.9-1
	3.9.1 Existing Conditions	3.9-3
	3.9.2 Future Without the Proposed Action	3.9-8
	3.9.3 Future With the Proposed Action	3.9-9
Chapter 3.10:	Hazardous Materials	3.10-1
	Introduction	3.10-1
	3.10.1 Existing Conditions	3.10-1
	3.10.2 Future Without the Proposed Actions	3.10-7
	3.10.3 Future With the Proposed Actions	3.10-7
Chapter 3.11:	Waterfront Revitalization.....	3.11-1
Chapter 3.12:	Infrastructure.....	3.12-1
	Introduction... ..	3.12-1
	3.12.1 Existing Conditions	3.12-1
	3.12.2 Future Without the Proposed Action	3.12-4
	3.12.3 Future With the Proposed Action	3.12-4
Chapter 3.13:	Solid Waste & Sanitation Services	3.13-1
	Introduction... ..	3.13-1
	3.13.1 Existing Conditions	3.13-1
	3.13.2 Future Without the Action	3.13-3
	3.13.3 Future With the Action	3.13-4
Chapter 3.14:	Energy	3.14-1
	Introduction	3.14-1
	3.14.1 Existing Conditions	3.14-1
	3.14.2 Future Without the Proposed Action	3.14-2
	3.14.3 Future With the Proposed Action	3.14-3
Chapter 3.15:	Traffic and Parking	3.15-1
	3.15.1 Introduction	3.15-1
	3.15.2 Existing Conditions	3.15-4
	3.15.3 Future Without the Proposed Development (No Build)	3.15-22
	3.15.4 Future With the Proposed Project (Build)	3.15-33

Chapter 3.16:	Transit and Pedestrians	3.16-1
	Introduction	3.16-1
	3.16.1 Analysis Framework	3.16-1
	3.16.2 Data Collection	3.16-2
	3.16.3 Existing Conditions	3.16-2
	3.16.4 Future Without the Proposed Project (No Build Condition).....	3.16-21
	3.16.5 Future With the Proposed Project (Build Condition)	3.16-27
	3.16.6 Conclusion	3.16-43
Chapter 3.17:	Air Quality	3.17-1
	3.17.1 Introduction	3.17-1
	3.17.2 Existing Pollutant Levels and Regulatory Setting	3.17-9
	3.17.3 Mobile Source Analysis.....	3.17-11
	3.17.4 Analysis Of Project-Generated Heating System Emissions	3.17-23
	3.17.5 Analysis of Air Toxics	3.17-28
	3.17.6 Conclusion	3.17-29
Chapter 3.18:	Noise	3.18-1
	Introduction	3.18-1
	3.18.1 Existing Conditions	3.18-7
	3.18.2 Future Without the Proposed Action	3.18-13
	3.18.3 Future with the Proposed Action	3.18-13
Chapter 3.19:	Construction Impacts	3.19-1
	3.19.1 Introduction	3.19-1
	3.19.2 Construction Schedule and Activities	3.19-1
	3.19.3 Construction Equipment and Activities	3.19-8
	3.19.4 Potential Impacts During Construction.....	3.19-9
	3.19.5 Conclusion	3.19-14
Chapter 3.20:	Public Health	3.20-1
Chapter 3.21:	Alternatives.....	3.21-1
	Introduction	3.21-1
	A. No-Action Alternative	3.21-3
	B. As-of-Right Alternative	3.21-14
	C. No Impact Alternative	3.21-26
	D. MTA Bus Depot Expansion Alternative	3.21-37
Chapter 3.22:	Mitigation	3.22-1
Chapter 3.23:	Unavoidable Adverse Impacts	3.23-1
Chapter 3.24:	Growth-Inducing Aspects of the Proposed Action	3.24-1
Chapter 3.25:	Irreversible and Irretrievable Commitment of Resources	3.25-1

Appendices:

Appendix A: DEIS Correspondence	A-1
Appendix B: NYC Landmarks Preservation Commission Correspondence	B-1
Appendix C: Urban Design Guidelines	C-1
Appendix D: Traffic Appendices	D-1
Appendix E: Phase I Environmental Site Assessment.....	E-1
Appendix F: Phase II Environmental Site Investigation Volume I	F-1
Appendix G: Shadow Diagrams	G-1
Appendix H: Retail Market Data	H-1
Appendix I: Archeological Documentary Study.....	I-1
Appendix J: Cultural Resources Maps.....	J-1
Appendix K: Retail Survey Data	K-1
Appendix L: Proposed 15 th Amended HEHURP	L-1
Appendix M: FEIS Correspondence	M-1
Appendix N: Traffic Technical Memorandum	N-1

List of Figures:

CHAPTER 2.0 PROJECT DESCRIPTION

2-1	Project Location.....	2.0-3
2-2	Project Site	2.0-7
2-3	Tax Map	2.0-8
2-4	Sanborn Map.....	2.0-9
2-5	Existing Zoning	2.0-12
2-6	Proposed Zoning.....	2.0-13
2-7	Conceptual Site Plan.....	2.0-14
2-8	Conceptual Plan Isometric View	2.0-15
2-9	Project Site and Existing 14 th Amended Harlem-East Harlem Urban Renewal Plan Designated Sites.....	2.0-17
2-10	Project Site and Existing 15 th Amended Harlem-East Harlem Urban Renewal Plan Designated Sites.....	2.0-18

CHAPTER 3.1 LAND USE, ZONING, AND PUBLIC POLICY

3.1.1	Land Use Study Area.....	3.1-5
3.1.2	Existing Land Uses	3.1-6
3.1.3	Existing Zoning	3.1-21
3.1.4	Known, Projected and Potential Developments Sites in the Future without the Proposed Action.....	3.1-30
3.1.5	Proposed Zoning.....	3.1-45

CHAPTER 3.2 SOCIOECONOMIC CONDITIONS

3.2-1	Socioeconomic Study Areas.....	3.2-4
3.2-2	Retail Market Study Area	3.2-5
3.2-3	Change In Total Population: 1990 – 2000	3.2-16
3.2-4	Median HH Income	3.2-19
3.2-5	Percent of Persons Below the Poverty Level in 1999	3.2-20
3.2-6	Protected and Unprotected Residential Buildings	3.2-33
3.2-7	New Construction & Bldg Alts..	3.2-34

3.2-8	Vulnerable Tracts.....	3.2-36
3.2-9	Future Development Without the Proposed Action.....	3.2-54

CHAPTER 3.3 COMMUNITY FACILITIES AND SERVICES

3.3-1	Community Facilities Study Area.....	3.3-2
3.3-2	Public Schools in The Study Area.....	3.3-4
3.3-3	Library Facilities in the Study Area.....	3.3-10
3.3-4	Hospital Emergency Rooms In The Study Area.....	3.3-14
3.3-5	Publicly Funded Day Care Centers in the Study Area.....	3.3-20
3.3-6	Police and Fire Services Serving the Project Area.....	3.3-24

CHAPTER 3.4 OPEN SPACE

3.4-1	Open Space Study Area.....	3.4-4
3.4-2	Existing Open Space Resources.....	3.4-10
3.4-3	Future No Build Open Space Resources.....	3.4-22

CHAPTER 3.5 SHADOWS

3.5-1	Project Site and Surrounding Existing Conditions.....	3.5-3
3.5-2	Existing Shadow Sensitive Resources.....	3.5-5
3.5-3	Existing Shadows 10:00 am December 21st.....	3.5-7
3.5-4	Existing Shadows 10:00 am March 21st.....	3.5-8
3.5-5	Existing Shadows 4:00 pm May 6 th	3.5-9
3.5-6	Existing Shadows 4:00 pm June 21st.....	3.5-10
3.5-7	Future Without the Condition.....	3.5-12
3.5-8	Future Without the Action Shadows 10:00 am December 21st.....	3.5-14
3.5-9	Future Without the Action Shadows 10:00 am March 21st.....	3.5-15
3.5-10	Future Without the Action Shadows 4:00 pm May 6 th	3.5-16
3.5-11	Future Without the Action Shadows 4:00 pm June 21st.....	3.5-17
3.5-12	Existing and Proposed Shadow Sensitive Resources.....	3.5-20
3.5-13	Future With the Action Shadows 10:00 am December 21st.....	3.5-21
3.5-14	Future With the Action Shadows 3:00 pm December 21st.....	3.5-22
3.5-15	Future With the Action Shadows 10:00 am December 21st.....	3.5-23
3.5-16	Future With the Action Shadows 5:00 pm March 21 st	3.5-24
3.5-17	Future With the Action Shadows 6:00 pm May 6 th	3.5-25
3.5-18	Future With the Action Shadows 10:00 am June 21st.....	3.5-26
3.5-19	Future With the Action Shadows 6:00 pm June 21 st	3.5-27
3.5-20	Future Without the Action Total Annual Natural Light Levels.....	3.5-32
3.5-21	Future With the Action Total Annual Natural Light Levels.....	3.5-33

CHAPTER 3.6 HISTORIC RESOURCES

3.6-1	Historic Resources.....	3.6-5
-------	-------------------------	-------

CHAPTER 3.7 URBAN DESIGN AND VISUAL RESOURCES

3.7.1 through 3.7.4	.....	3.7-4
3.7-5	.....	3.7-9
3.7.6 through 3.7.10	.....	3.7-12
3.7.11	.....	3.7-18
3.7.12 through 3.7.26	.....	3.7-23
3.7.27	.....	3.7-39

3.7.28 and 3.7.29	3.7-41 - 42
3.7.30 through 3.7.35	3.7-46
3.7.36	3.7-53
 CHAPTER 3.8 NEIGHBORHOOD CHARACTER	
3.8-1 Neighborhood Character Study Area.....	3.8-3
 CHAPTER 3.9 NATURAL RESOURCES	
3.9-1 Natural Resources Study Area ..	3.9-2
3.9-2 Flood Insurance Rate Map ..	3.9-6
 CHAPTER 3.10 HAZARDOUS MATERIALS	
3.10-1 Project Site Existing Conditions	3.10-2
3.10-2 Project Site Block and Lot Map.....	3.10-3
 CHAPTER 3.11 WATERFRONT REVITALIZATION	
3.11-1 Coastal Zone Boundary.....	3.11-3
 CHAPTER 3.15 TRAFFIC AND PARKING	
3.15-1 Project Site.....	3.15-2
3.15-2 Traffic Study Area	3.15-3
3.15-3 2007 Existing Weekday AM Peak Hour Traffic Volumes	3.15-5
3.15-4 2007 Existing Weekday MD Peak Hour Traffic Volumes	3.15-6
3.15-5 2007 Existing Weekday PM Peak Hour Traffic Volumes	3.15-7
3.15-6 2007 Existing Saturday MD Peak Hour Traffic Volumes	3.15-8
3.15-7 Location of Off-Street Public Parking Garages	3.15-17
3.15-8 Existing Weekday Midday On-Street Parking Utilization	3.15-18
3.15-9 Existing Saturday Midday On-Street Parking Utilization.....	3.15-19
3.15-10 Existing On-Street Parking Regulations	3.15-20
3.15-11 2016 No Build Weekday AM Peak Hour Traffic Volumes.....	3.15-24
3.15-12 2016 No Build Weekday MD Peak Hour Traffic Volumes.....	3.15-25
3.15-13 2016 No Build Weekday PM Peak Hour Traffic Volumes.....	3.15-26
3.15-14 2016 No Build Saturday MD Peak Hour Traffic Volumes.....	3.15-27
3.15-15 Proposed Traffic Circulation.....	3.15-34
3.15-16 2016 Weekday AM Peak Hour Incremental Traffic Volumes	3.15-39
3.15-17 2016 Weekday MD Peak Hour Incremental Traffic Volumes	3.15-40
3.15-18 2016 Weekday PM Peak Hour Incremental Traffic Volumes	3.15-41
3.15-19 2016 Saturday MD Peak Hour Incremental Traffic Volumes	3.15-42
3.15-20 2016 Build Weekday AM Peak Hour Traffic Volumes.....	3.15-43
3.15-21 2016 Build Weekday MD Peak Hour Traffic Volumes.....	3.15-44
3.15-22 2016 Build Weekday PM Peak Hour Traffic Volumes	3.15-45
3.15-23 2016 Build Saturday MD Peak Hour Traffic Volumes.....	3.15-46
 CHAPTER 3.16 TRANSIT AND PEDESTRIANS	
3.16-1 125th Street IRT (4, 5, 6) Subway Station.....	3.16-5
3.16-2 Local Bus Routes ..	3.15-9
3.16-3 Existing MTA NYCT Bus Parking Facility.....	3.15-13
3.16-4 Analyzed Pedestrian Facilities.....	3.15-16
 CHAPTER 3.17 AIR QUALITY	

3.17-1 Air Quality Intersection	3.17-12
CHAPTER 3.18 NOISE	
3.18-1 Location of Noise Monitoring Sites	3.18-8
CHAPTER 3.21 ALTERNATIVES	
3.21-1 MTA Bus Depot Expansion Alternative Illustrative Site Plan	3.21-40
3.21-2 MTA Bus Depot Expansion Alternative Illustrative Site Plan Isometric View.....	3.21-41
3.21-3 Existing & Proposed MTA Bus Depot Expansion Alternative Shadow Sensitive Resources.....	3.21-47
3.21-4 MTA Bus Depot Expansion Alternative Shadows 10:00am March 21 st	3.21-48
3.21-5 MTA Bus Depot Expansion Alternative Shadows 5 pm March 21 st	3.21-49
3.21-6 MTA Bus Depot Expansion Alternative Shadows 6 pm May 6 th	3.21-50
3.21-7 MTA Bus Depot Expansion Alternative Shadows 10:00am June 21 st	3.21-51
3.21-8 MTA Bus Depot Expansion Alternative Shadows 6 pm June 21 st	3.21-52
3.21-9 MTA Bus Depot Expansion Alternative Shadows 10:00am December 21 st	3.21-53
3.21-10 MTA Bus Depot Expansion Alternative Shadows 3:00 pm December	3.21-54
3.21-10a MTA Bus Depot Photographs.....	3.21-57
3.21-11 MTA Bus Depot Expansion Alternative Off-site Depot Parcel on Coastal Zone Map.....	3.21-63
3.21-12 MTA Bus Depot Expansion Alternative Existing and Future Bus Movements	3.21-76

List of Tables:

CHAPTER 1.0 EXECUTIVE SUMMARY	
1-1	Summary of Existing Allowable Density..... 1-5
1-2	List of Block and Lots Affected by the Proposed Action..... 1-7
1-3	Summary of Traffic Impacted Intersections .....1-23
CHAPTER 2.0 PROJECT DESCRIPTION	
2-1	List of Blocks and Lots Affected by Proposed Action..... 2.0-6
2-2	Summary of Existing Allowable Density..... 2.0-21
2-3	Zoning Comparison 2.0-23
CHAPTER 3.1 LAND USE, ZONING, AND PUBLIC POLICY	
3.1.1	Existing Land Use of the Project Side..... 3.1-7
3.1.2	M1-2 District Sky Exposure Plane Requirements..... 3.1-17
3.1.3	Parking Requirements .. 3.1-20
3.1.4	Primary Study Area RWCDS Projected Developments in the Future Without the Proposed Action 3.1-31
3.1.5	Secondary Study Area RWCDS Projected Developments in the Future Without The Proposed Action..... 3.1-32
3.1.6	Known Developments in the Study Area in the Future Without the Proposed Action .. 3.1-33
3.1.7	NYC Department of Housing Preservation Development Projects in the Future Without the Proposed Action 3.1-35
3.1.8	C4 and M1-2 Maximum Permissible FAR..... 3.1-38
3.1.9	Zoning Comparison 3.1-46
CHAPTER 3.2 SOCIOECONOMIC CONDITIONS	
3.2-1	Population Trends... 3.2-14
3.2-2	Age Characteristics of the Population 3.2-14
3.2-3	Household Characteristics ... 3.2-17
3.2-4	Household Income..... 3.2-18
3.2-5	Percent of Population Below Poverty Level 3.2-21
3.2-6	Housing Characteristics: Total Housing Units, Occupancy and Tenure 3.2-23
3.2-7	Housing Characteristics: Contract Rent and Value 3.2-24
3.2-8	New York City Housing Authority Developments, Units and Population.. 3.2-26
3.2-9	Unprotected Housing Units . 3.2-31
3.2-9a	Unprotected Housing Units by Tract, Primary Study Area..... 3.2-32
3.2-9b	Unprotected Housing Units by Tract, Secondary Study Area. 3.2-32
3.2-10	Average Household Income for Renters in Small Buildings and Buildings with 5-49 Units, Compared to Median Household Income of Manhattan Community Districts 9, 10, 11 and 12..... 3.2-37
3.2-10a	Estimated 2007 Population Potentially Vulnerable to Indirect Residential Displacement... 3.2-39
3.2-11	Future Without the Action Population Estimates 3.2-41
3.2-12	No-Action Condition NYC Department of Housing Preservation Development Projects... 3.2-41
3.2-13	Private Sector Employment in New York City ... 3.2-46
3.2-14	Private Sector Employment in Manhattan..... 3.2-47
3.2-15	Changes in ZIP Code 10035: Industry Employment from 1995 to 2005..... 3.2-49

3.2-16	Number of Employees by Industry and ZIP Code Manhattan and New York City Study Areas (2005).....	3.2-50
3.2-17	Business and Institutional Study Area: No-Action Condition Known Commercial Development and Employment to be Generated by 2016	3.2-53
3.2-18	Business and Institutional Study Area 2016 No-Action Condition New Commercial Development on 125th Street Rezoning RWCDs Projected Sites	3.2-57
3.2-19	Business and Institutional Study Area No-Action Condition Commercial Development to be Completed by 2016	3.2-58
3.2-20	Anticipated Direct Employment Displacement (2016)	3.2-62
3.2-21	Potential Direct Displacement on Project Site (2016).....	3.2-63
3.2-22	Primary Trade Area Population and Households, 1990 and 2000 Versus the Bronx, Manhattan and New York City	3.2-67
3.2-23	Primary Trade Area Median Household Income Versus the Bronx, Manhattan and New York City	3.2-67
3.2-24	Primary Trade Area 2000 Vehicle Availability Versus the Bronx, Manhattan and New York City	3.2-68
3.2-25	Private Sector Employment Trends Within Primary Trade Area.....	3.2-69
3.2-26	Estimated Capture Rates for Competitive Retail Stores in the Primary Trade Area	3.2-72
3.2-27	Primary Trade Area Retail Establishments per Major Retail Category	3.2-73
3.2-28	Primary Trade Area Shopping Goods Establishments	3.2-74
3.2-29	Primary Trade Area Building Materials and Hardware Establishments	3.2-74
3.2-30	Primary Trade Area Auto-related Trade Establishments	3.2-75
3.2-31	Primary Trade Area Convenience Goods Establishments	3.2-75
3.2-32	Primary Trade Area Eating and Drinking Establishments	3.2-75
3.2-33	Primary Trade Area Neighborhood Services Establishments	3.2-76

CHAPTER 3.3 COMMUNITY FACILITIES AND SERVICES

3.3-1	Public Elementary Schools within a Half-Mile of the Project Area – Enrollment, Capacity and Utilization	3.3-5
3.3-2	Public Elementary Schools in CSDs 4 and 5 – Enrollment, Capacity and Utilization..	3.3-6
3.3-3	Public Intermediate Schools within a Half-Mile of the Project Area – Enrollment, Capacity and Utilization	3.3-6
3.3-4	Public Intermediate Schools in CSDs 4 and 5 – Enrollment, Capacity and Utilization.	3.3-7
3.3-5	Public High Schools within One Mile of the Project Area.....	3.3-7
3.3-6	Hospitals and Emergency Rooms in the One-Mile Study Area	3.3-13
3.3-7	Outpatient Health Care Facilities in the One-Mile Study Area	3.3-15
3.3-8	Publicly Funded Day Care Centers in the One-Mile Study Area.....	3.3-18
3.3-9	Manhattan Family Child Care Networks	3.3-21
3.3-10	Head Start Programs in the One-Mile Study Area	3.3-22
3.3-11	Public School Enrollment – Current and 2016 Projected	3.3-25
3.3-12	Public School Students Generated by New Development in the Future without the Proposed Action	3.3-26
3.3-13	Projected Public Elementary School Enrollment, Capacity and Utilization in 2016 without the Proposed Action	3.3-27
3.3-14	Projected Changes in Library Catchment Populations	3.3-28
3.3-15	Annual Emergency Room Visits in the Future without the Proposed Action...	3.3-29
3.3-16	Projected Public Elementary School Enrollment, Capacity and Utilization in the Future with the Proposed Action..	3.3-30

3.3-17	Projected Increase in Library Catchment Area Population in the Future with the Proposed Action	3.3-31
3.3-18	Annual Emergency Room Visits in the Future with the Proposed Action..	3.3-32
 CHAPTER 3.4 OPEN SPACE		
3.4-1	Population and Age Group Distribution (Residential Study Area)	3.4-5
3.4-2	Population and Age Group Distribution (Non-Residential Study Area)	3.4-7
3.4-3	Existing Open Space Resources (Residential and Non-Residential Study Area).....	3.4-11
3.4-4	Existing Study Area Open Space Ratios Compared to DCP Open Space Guidelines...	3.4-16
3.4-5	Open Space Study Area Population Trends 2007 to 2016.....	3.4-19
3.4-6	Future Without the Action Condition Population Estimates by Development Type.....	3.4-21
3.4-7	Open Space Changes Under Future Conditions Without the Proposed Action.....	3.4-22
3.4-8	2016 Study Area Open Space Ratios and DCP Open Space Guideline Comparison....	3.4-27
3.4-9	Future Action (2016) Residential Study Area Projected Population.....	3.4-30
3.4-10	Future Action (2016) Non-Residential Study Area Projected Population.....	3.4-30
3.4-11	Future Action (2016) Projected Population, Acreage and Open Space Ratios.....	3.4-31
3.4-12	Future With the Proposed Action – Open Space Ratios Summary.....	3.4-32
 CHAPTER 3.5 SHADOWS		
3.5-1	Future With the Action Condition Shadow Durations	3.5-19
 CHAPTER 3.6 HISTORIC RESOURCES		
3.6-1	Historic Resources..	3.6-6
3.6-2	Summary of Potential Effect of the Proposed Action on Identified Architectural Resources in the Study Area	3.6-12
 CHAPTER 3.7 URBAN DESIGN AND VISUAL RESOURCES		
3.7-1	Sub-Area and Project Site Building Height, Coverage and Footprint Size	3.7-14
3.7-3	Sub-Area and Project Site Future With the Action Building Height and Coverage	3.7-23
 CHAPTER 3.12 INFRASTRUCTURE		
3.12-1	Existing Water Usage/Wastewater Generation of Project Site	3.12-2
 CHAPTER 3.13 SOLID WASTE & SANITATION SERVICES		
3.13-1	Existing MSW Generation from Project Site	3.13-3
 CHAPTER 3.14 ENERGY		
3.14-1	Energy Usage for Existing Land Uses within in the Project Site.....	3.14-2
3.14-2	Energy Demand for Future Land Use With the Proposed Action.....	3.14-3
 CHAPTER 3.15 TRAFFIC AND PARKING		
3.15-1	Intersection Level of Service Criteria.....	3.15-12
3.15-2	2007 Existing Condition Level of Service	3.15-14
3.15-3	2007 Existing Off-Street Public Parking Utilization Rates	3.15-16
3.15-4	2016 No-Build Condition Level of Service...	3.15-28
3.15-5	2016 No-Build Off-Street Public Parking Conditions	3.15-32
3.15-6	East 125 th Street Development Traffic Planning Assumptions	3.15-36
3.15-7	East 125 th Street Development Traffic Demand Forecast Summary.....	3.15-37
3.15-8	2016 Build Condition Level of Service..	3.15-47

3.15-9	East 125 th Street Development Traffic Planning Assumptions – Weekday Accumulations.....	3.15-51
3.15-10	East 125 th Street Development Traffic Planning Assumptions – Saturday Accumulations.....	3.15-52

CHAPTER 3.16 TRANSIT AND PEDESTRIANS

3.16-1	Average Weekday Entering Turnstile Counts.....	3.16-3
3.16-2	Stairway Level of Service Description.....	3.16-3
3.16-3	2007 Existing Conditions at the 125th Street IRT (4,5,6) Subway Station.....	3.16-6
3.16-4	Existing Subway Line Haul Conditions.....	3.16-7
3.16-5	2007 Existing Local Bus Conditions.....	3.16-10
3.16-6	Hourly Parking/Accumulation at Existing On-Site Bus Parking Facilities.....	3.16-14
3.16-7	Pedestrian Crosswalk/Corner Area and Sidewalk Levels of Service Description.....	3.16-17
3.16-8	2007 Existing Sidewalk Conditions.....	3.16-18
3.16-9	2007 Existing Corner Conditions.....	3.16-19
3.16-10	2007 Existing Crosswalk Conditions.....	3.16-20
3.16-11	2016 No Build Subway Conditions at the 125th St IRT (4,5,6) Subway Station.....	3.16-23
3.16-12	2016 No Build Subway Line Haul Conditions.....	3.16-25
3.16-13	2016 No Build Local Bus Conditions.....	3.16-28
3.16-14	2016 No Build Sidewalk Conditions.....	3.16-29
3.16-15	2016 No Build Corner Conditions.....	3.16-30
3.16-16	2016 No Build Crosswalk Conditions.....	3.16-31
3.16-17	2016 Build Conditions at the 125th Street IRT (4, 5, 6) Subway Station.....	3.16-34
3.16-18	2016 Build Subway Line Haul Conditions.....	3.16-35
3.16-19	2016 Build Local Bus Conditions.....	3.16-37
3.16-20	2016 Build Sidewalk Conditions.....	3.16-40
3.16-21	2016 Build Corner Conditions.....	3.16-41
3.16-22	2016 Build Crosswalk Conditions.....	3.16-42

CHAPTER 3.17 AIR QUALITY

3.17-1	Ambient Air Quality Standards.....	3.17-6
3.17-2	Representative Ambient Air Quality Data.....	3.17-9
3.17-3	Microscale Intersection Analysis Sites.....	3.17-11
3.17-4	Background Concentrations.....	3.17-15
3.17-5	Existing Conditions – Maximum 8-Hour CO Levels (2007).....	3.17-16
3.17-6	Future Without the Proposed Action – Maximum 8-Hour CO Levels (2012).....	3.17-16
3.17-7	2016 Future With the Proposed Action – Maximum 8-Hour CO Levels.....	3.17-17
3.17-8	Future Without the Proposed Action Maximum 8-Hour PM10 Levels (2012).....	3.17-18
3.17-9	Future With the Proposed Action Maximum 24 Hour PM10 Levels (2012).....	3.17-18
3.17-10	Predicted PM2.5 Concentrations at 126th Street and 2nd Avenue.....	3.17-21
3.17-11	Air Quality Impacts – Summary of Maximum Predicted SO2 Concentrations.....	3.17-26
3.17-12	Air Quality Impacts – Summary of Maximum Predicted PM10 Concentrations.....	3.17-27
3.17-14	Air Quality Impacts – Summary of Maximum Predicted PM2.5 Concentrations.....	3.17-27
3.17-16	Air Quality Impacts – Summary of Maximum Predicted Concentrations.....	3.17-28

CHAPTER 3.18 NOISE

3.18-1	East 125th Street Development Block and Lots.....	3.18-1
3.18-2	Typical Noise Levels.....	3.18-2
3.18-4	Noise Exposure Standards for Use in City Environmental Impact Reviews.....	3.18-5

3.18-5	2005 New York City Noise Control Code	3.18-6
3.18-6	Existing Short-term Noise Levels at Monitoring Sites S1 through S5*	3.18-10
3.18-7	Monitored 24-hour Noise Measurements*	3.18-12
3.18-9	Existing and Future Traffic Noise Levels (Leq) at Monitored Sites	3.18-14
3.18-10	Required Attenuation Values to Achieve Acceptable Interior Noise Levels	3.18-15
3.18-11	Required Window Attenuation Values for Monitored sites S1 through S5*	3.18-15
3.18-12	Required Attenuation Values for the Proposed Development Site	3.18-16
CHAPTER 3.19 CONSTRUCTION IMPACTS		
3.19-1	Construction Activities and Durations	3.19-2
3.19-1	Typical Noise Emission Levels for Construction Equipment	3.19-14
CHAPTER 3.21 ALTERNATIVES		
3.21-1	Alternatives Comparison.....	3.21-3
3.21-2	Total Vehicle Trip Generation Volume Comparison	3.21-20
3.21-3	2016 As-of-Right Alternative Build Condition Level of Service.....	3.21-22
3.21-4	Total Vehicle Trip Generation Volume Comparison	3.21-31
3.21-5	2016 No-Impact Alternative Build Condition Level of Service.....	3.21-33
3.21-5a	Projected Public Elementary School Enrollment, Capacity and Utilization in the Future with the MTA Bus Depot Expansion Alternative.	3.21-44
3.21-5b	Projected Increase in Library Catchment Area Population in the Future with MTA Bus Depot Expansion Alternative	3.21-44
3.21-5c	MTA Bus Depot Expansion Alternative (2016): Residential Study Area Projected Population.....	3.21-44
3.21-6	Air Quality Impacts - Summary of Maximum Predicted PM10 Concentrations	3.21-78
3.21-7	Air Quality Impacts - Summary of Maximum Predicted PM25 Concentrations	3.21-79
CHAPTER 3.22 MITIGATION		
3.22-1	Proposed Traffic Mitigation Measures...	3.22-6
3.22-2	2016 Mitigation Condition Level of Service.....	3.22-7