

Index

Air Quality	14-1
Context.....	14-1
Conclusions.....	14-1
Context of September 11	14-2
Methodology.....	14-7
Predicted Impacts of the Proposed Action.....	14-19
Summary.....	S-44
Coastal Zone	16-1
Conclusions.....	16-1
Context.....	16-1
Methodology.....	16-3
Permanent Activities.....	16-3
Proposed Action 2009 and 2015 Condition	16-3
Regulatory Context.....	16-2
Summary.....	S-45–S-46
Temporary (Construction) Activities.....	16-3
Community Facilities	8-1
Conclusions.....	8-2
Context.....	8-1
Current Conditions Scenario.....	8-7
Methodology.....	8-3
Pre-September 11 Scenario.....	8-13
Summary.....	S-33–S-34
Construction	21-1
Context.....	21-1
Conclusions.....	21-4
Construction Analysis Methodology	21-11
Cumulative Construction Effects During Peak Period 2006.....	21-34
Cumulative Effects Methodology	21-10
LMDC’s Environmental Principles	21-7
Other Construction Impacts of the Proposed Action	21-79
Overview of Construction Activities: Proposed Action.....	21-15
Summary.....	S-52–S-59
Staging and Lay-Down Areas, Street Closures, and Site Access	21-33
Sustainable Design Guidelines	21-9
Environmental Justice	20-1
Context.....	20-1
Conclusions.....	20-3

World Trade Center Memorial and Redevelopment Plan GEIS

Current Conditions Scenario Analysis 20-8
Methodology 20-4
Pre-September 11 Scenario 20-18
Summary S-51–S52

Floodplain 17-1
Context 17-1
Current Conditions Scenario 17-3
HUD Floodplain Compliance..... 17-9
Methodology 17-2
Pre-September 11 Scenario 17-6
Summary S-46

Growth-Inducing Aspects of the Proposed Project 25-1
Summary S-66

Hazardous Materials 11-1
Conclusions 11-2
Context 11-2
Current Conditions Scenario 11-10
Environmental Sampling Plan 11-3
Geology 11-8
Hazardous Materials Screening Study 11-2
Methodology 11-2
Project Site 11-8
Pre-September 11 Scenario 11-16
Regulatory Limits and Regulations 11-5
Summary S-39–S-40

Historic Resources..... 5-1
Conclusions 5-2
Context 5-1
Current Conditions Scenario 5-11
Identification of the Area of Potential Effect 5-10
Methodology 5-8
National Historic Preservation Act (Section 106) 5-6
New York City Landmarks Law 5-8
Pre-September 11 Scenario 5-46
Regulatory Context 5-6
Section 4(f) of the Federal Department of Transportation Act 5-8
State Historic Preservation Act 5-8
Summary S-24–S-28

Infrastructure 12-1
Conclusions 12-2
Context 12-1
Current Conditions Scenario 12-5
Methodology 12-3

Pre-September 11 Scenario	12-16
Summary	S-40–S-41
Irreversible and Irretrievable Commitment of Resources.....	26-1
Summary	S-67
Land Use and Public Policy	3-1
Conclusions	3-2
Context	3-1
Current Conditions Scenario	3-6
Development History	3-4
Methodology	3-2
Pre-September 11 Scenario	3-29
Summary	S-23–S-24
Methodology	2-1
Background Projects	2-7
Construction Period Cumulative Effects Analysis	2-5
Framework for Analysis	2-2
GEIS Process/Schedule	2-1
Land use and Public Policy	3-2
Role of the GEIS in the Approvals Process	2-1
Two Analysis Scenarios	2-3
Two Analysis Years	2-3
Mitigation Measures	22-1
Archaeological Resources.....	22-1
Construction.....	22-15
Noise	22-15
Pedestrian Conditions	22-14
Summary	S-55–S-59
Traffic and Parking	22-1
Natural Resources.....	18-1
Context.....	18-1
Conclusions.....	18-2
Current Conditions Scenario.....	18-15
Methodology.....	18-8
Pre-September 11 Scenario Analysis.....	18-64
Regulatory Context.....	18-5
Summary	S-46–S-50
Neighborhood Character	10-1
Context	10-1
Conclusions	10-2
Methodology	10-4
Current Conditions Scenario	10-5
Pre-September 11 Scenario	10-16
Summary	S-37–S-39

Noise.....	15-1
Conclusions	15-2
Context	15-1
Current Conditions Scenario	15-10
FTA Noise Analysis for the Proposed Underground Garage	15-30
Methodology	15-2
Pre-September 11 Scenario	15-19
Summary	S-44–S-45
Open Space	6-1
Current Conditions Scenario	6-12
Context	6-1
Conclusions	6-3
Current Conditions Scenario	6-12
Methodology and Screening for Impacts	6-7
Pedestrian-Level Wind Conditions	6-10
Pre-September 11 Scenario	6-26
Summary	S-28–S-30
Radiofrequency Electromagnetic Fields.....	19-1
Background	19-1
Conclusions	19-1
Context	19-1
Current Conditons Scenario	19-4
Pre-September 11 Scenario	19-6
Summary	S-50
Shadows.....	7-1
Assessment of Shadow Impacts—Current Conditions Scenario 2009	7-10
Assessment of Shadow Impacts—Current Conditions Scenario 2015	7-17
Assessment of Shadow Impacts—Pre-September 11 Conditions Scenario 2009	7-22
Assessment of Shadow Impacts—Pre-September 11 Conditions Scenario 2015	7-27
Conclusions	7-2
Context	7-1
Methodology	7-5
Resources of Concern for Shadows Analysis	7-7
Shadow Effects	7-10
Shadow Screening	7-5
Summary	S-30–S-33
Socioeconomic Conditions	9-1
Conclusions	9-3
Context	9-1
Current Conditions Scenario	9-13
Economic and Fiscal Benefits of Proposed Action: Current Conditions Scenario	9-82
Economic and Fiscal Benefits of Proposed Action: Pre-September 11 Scenario	9-126

Methodology	9-6
Pre-September 11 Scenario	9-97
Summary	S-34–S-37
Traffic and Parking	13A-1
Conclusions.....	13A-1
Context.....	13A-1
Current Conditions Scenario.....	13A-8
Methodology.....	13A-2
Pre-September 11 Scenario.....	13A-38
Roadway Network and Traffic Study Area.....	13A-3
Significant Impact Definitions.....	13A-7
Summary	S-41–S-42
Traffic Level of Service Definitions.....	13A-4
Trip Generation Procedures.....	13A-5
Transit and Pedestrians.....	13B-1
Conclusions.....	13B-3
Context.....	13B-1
Current Conditions Scenario.....	13B-10
Methodology.....	13B-5
Pre-September 11 Scenario.....	13B-43
Summary	S-42–S-43
Unavoidable Significant Adverse Impacts.....	24-1
Pedestrians	24-2
Shadows	24-1
Summary	S-64–S-66
Traffic	24-1
Urban Design and Visual Resources	4-1
Conclusions.....	4-2
Context.....	4-1
Current Conditions Scenario.....	4-4
Pre-September 11 Scenario.....	4-24
Summary	S-23–S-24