

Index

A

Agricultural	3-100
Agricultural Soil.....	3-101, 3-118
Drainage and Irrigation	3-107, 3-119
Farm Operations	3-100, 3-117
Farmland Production	3-111, 3-120
Land Capability Groups	3-102, 3-119
Measures to Minimize Impacts.....	3-123
Methodology	3-116
Specially Designated Agricultural Areas	3-111, 3-120
Air Quality.....	3-142
Air Quality Conformity	3-146
Monitored Pollutant Levels.....	3-145
National and State Ambient Air Quality Standards.....	3-143
Potential Project Impacts and Analyses to be Conducted	3-146
Regulatory Setting and Compliance with Standards	3-143
Relevant Air Pollutants for Analysis	3-142
Alternatives	2-1
Alternative Corridors to be Carried Forward for Further Analysis.....	2-79
Alternatives Evaluation	2-33
Congestion Management Process.....	2-4
Description of the Alternative Corridors Carried Forward.....	2-79
Implementation Strategy and Tier Two NEPA Studies	2-98
No-Action Alternative.....	2-2
Potential Funding and Financing Options	2-99
Transportation Corridor Alternatives.....	2-5

C

Construction Impacts.....	3-404
Air Quality	3-406
Construction Noise.....	3-407
Energy	3-408
Solid Waste	3-407
Transportation.....	3-404
Utility Services	3-408
Water Resources.....	3-404
Cultural Resources	3-124
Archaeological Resources.....	3-127
Area of Potential Affect.....	3-127
Consulting Parties.....	3-125
Cultural Features in Study Area.....	3-126
Historic Resources	3-132
Section 106	3-125

E

Energy	3-155
--------------	-------

F

Floodplains	3-241
Existing Conditions	3-241
Methodology for Assessing Floodplain Impacts.....	3-242
Floodplain Impacts.....	3-248
Floodplain Mitigation	3-248

G

Groundwater Resources	3-226
Existing Conditions	3-226
Groundwater Quality	3-238
Karst Topography	3-239
Methodology for Assessing Groundwater Impacts.....	3-235
Mitigation.....	3-240
Seeps	3-239
Well Head Protection Zones and Wells.....	3-236

I

Indirect and Cumulative Impacts	3-353
Cause and Effect Relationships.....	3-398
Conclusion	3-401
Cumulative Impacts	3-394
Definition of Reasonably Foreseeable Actions	3-360
Environmental Protection and Land Use Control Laws, Ordinances, and Programs	3-361
Geographic Limits	3-357
Impact Assessment	3-377
Methodology	3-353
Mitigation.....	3-402
Scoping	3-356
Study Area Trends and Existing Conditions	3-367
Temporal Limits.....	3-360
Irreversible and Irretrievable Commitment of Resources	3-409

M

Methodology for Evaluating Impacts.....	3-1
Calculation of Environmental Impacts.....	3-3
Study Area, Project Corridor and Alternatives	3-2
Summary of Potential Environmental Impacts	3-3
Summary of Potential Mitigation	3-8
Tiered Approach.....	3-1
Mineral and Geologic Resources.....	3-317
Existing Conditions	3-318
Impact Evaluation.....	3-339
Methodology	3-336
Mitigation.....	3-343

N

Natural Resources	3-155
Threatened and Endangered Species.....	3-171
Upland Communities.....	3-156
Wildlife Resources	3-167
Noise.....	3-149
Construction Noise	3-154
Coordination.....	3-155
Criteria.....	3-149
Methodology for Assessing Noise Impacts	3-151
Potential Sensitive Land Uses	3-152
Traffic Noise Abatement Measures.....	3-154

P

Permits and Certifications	3-314
Illinois	3-315
Indiana.....	3-316
Project Background	1-1
Project Need	1-7
Alleviate Local System Congestion and Improve Local System Mobility.....	1-12
Improve Regional Mobility	1-8
Provide for Efficient Movement of Freight	1-21
Public Comments and Agency Coordination.....	4-1
Cooperating and Participating Agencies.....	4-3
Developing Range of Alternative Corridors.....	4-16
Impact Methodologies	4-16
Other Activities	4-66
Public Outreach Meetings	4-26
Purpose and Need	4-14
Scoping	4-11
State and Federal Meetings	4-19
Purpose Statement.....	1-27

R

Regional Planning Context.....	1-6
Relationship Between Short-Term Uses of Man's Environment and the Maintenance and Enhancement of Long-Term Productivity	3-409

S

Section 4(f) Resources / Parks and Recreation.....	3-287
Avoidance Alternatives	3-302
Description of Section 4(f) Properties	3-290

Least Harm Analysis	3-306
Measures to Minimize Harm	3-304
Methodology	3-297
Potential Future Section 4(f) Properties in the Project Corridor	3-305
Potential Impacts to Section 4(f) Properties	3-297
Section 4(f) Applicability	3-288
Section 4(f) Conclusions.....	3-306
Social and Economic	3-14
Businesses to Remain	3-78
Economic Impacts.....	3-28
Environmental Justice	3-49
History of Development	3-15
Housing Characteristics.....	3-22
Local Planning.....	3-79
Neighborhood and Community	3-44
Population Characteristics.....	3-19
Public Facilities/Services	3-64
Relocations.....	3-73
Transportation Facilities	3-89
Special/Hazardous Waste.....	3-273
Affected Environment.....	3-273
Methodology	3-279
Mitigation.....	3-287
Site Involvement	3-281
Special Lands.....	3-307
Existing Conditions	3-307
Impacts	3-310
Methodology for Assessing Special Lands Impacts	3-310

Mitigation.....	3-313
Study Area.....	1-2

V

Visual Resources.....	3-343
Existing Conditions	3-343
Impacts	3-347
Methodology	3-346
Mitigation.....	3-352

W

Water Resources and Aquatic Habitats.....	3-181
Aquatic Habitat and Biota	3-188
Impacts	3-207
Methodology	3-206
Mitigation.....	3-223
Nationwide Rivers Inventory	3-187
Surface Water Resources	3-181
Water Quality	3-198
Watersheds	3-181
Wetlands	3-251
Farmed Wetland	3-259
Impacts	3-260
Methodology for Assessing Wetland Impacts.....	3-259
Mitigation.....	3-266
Wetland Characteristics.....	3-251
Wetland Functions.....	3-259
Wetland Plant Communities.....	3-252

THIS PAGE INTENTIONALLY LEFT BLANK