

SUBJECT INDEX

<u>Subject</u>	<u>Section/Figure</u>
- A -	
Administrative Record	
Preparation.....	2.3
Environmental Issue Areas	2.3.3
Air Quality	
Analysis.....	18.1
Complaint Response & Permitting Process.....	18.2
Environmental Issue Areas.....	2.3.3
Impacts, Determination of.....	Section 18.1 - Activity 3
Modeling, Emission Factor and Air Dispersion.....	Section 18.1 - Activities 1 and 2
Alternatives	
Preliminary	Ch 5 - Activity 2
Reasonable and Feasible.....	Ch 2 – Activity 2, Ch 5 - Activity 4, Ch 7- Activity 5, Ch 8 - Activity 5
Preferred/Selected	Ch 2 – Activity 3, Ch 7 – Activities 12 and 13, Ch 8 – Activities 13, 18, and 19
Area of Potential Effects (APE)	
Determine.....	Ch 11 - Activity 1
Evaluate	Ch 11- Activity 2
- B -	
- C -	
Categorical Exclusion (CE)	
Compliance Procedures.....	6.1
Documentation	Ch 6 - Activity 3
Initiating Process.....	Ch 6 - Activity 1
Section Determinations	Ch 6 - Activity 2
Clean Water Act.....	14.2
Commitments	Ch 2 – Activities 2, 3, and 4, Section 2.4, Ch 7 – Activity 15, Ch 8 – Activity 20, Ch 11 - Activity 9, Ch 13 – Activities 7 and 8, Ch 15 – Activity 9, Ch 16 – Activities 5 and 6
Construction	
Endangered Species, Threatened and.....	Ch 16 - Activity 7
Environmental Impact Statements (EIS)	Ch 8 - Activity 20
Environmental Services.....	1.1
Storm Water	Ch 15 - Activity 7
Environmental Assessment (EA).....	Ch 7 - Activity 15
Consultant Procedures.....	Ch 3
On-Call Program	3.1.2
Prequalification.....	3.1.1
Task Order Process	Fig. 3.2-A
Task Orders.....	3.1.3
Cultural Resources Section.....	1.3.3

<u>Subject</u>	<u>Section/Figure</u>
Cultural Resources Specialists.....	1.3.2.2
Section Supervisor	1.3.2.1
- D -	
Data Collection.....	Ch 5 - Activity 5, Ch 13 - Activity 3
<i>De minimis impact</i>	
Section 4(f).....	Ch 12 - Activity 5
- E -	
Endangered Species, Threatened and	16.1
Biological Assessment	Ch 16 - Activity 3
Construction	Ch 16 - Activity 7
Environmental Issue Areas	2.3.3
Mitigation	Ch 16 - Activities 5 and 6
Protected Species/Habitat.....	Ch 16 - Activities 1 and 2
USFWS	Ch 16 - Activity 4
Environmental Assessment (EA)	
Compliance Procedures.....	7.1
Construction	Ch 7 - Activity 15
Design Recommendation	Ch 7 - Activity 12
Draft EA, Preparation and Review	Ch 7 - Activity 8
FHWA Review.....	Ch 7 - Activity 9
FONSI	Ch 7 - Activities 13 and 14
Intent-to-Study Letter.....	Ch 7 - Activity 2
Interagency Coordination	Ch 7 - Activity 3
Location/Design Hearing.....	Ch 7 - Activity 11
Public Involvement	Ch 7 - Activity 3
Re-evaluations	7.2
Technical Reports	Ch 7 - Activity 7
Environmental Commitments/Permit Obligations.....	2.4
Checklist.....	Fig. 2.4-A
Environmental Engineering Section	1.3.4
Air Quality Engineers.....	1.3.4.3
Hazardous Materials/Waste Engineers	1.3.4.2
Section Supervisor	1.3.4.1
Senior Development Technician	1.3.4.5
Traffic Noise Engineers.....	1.3.4.4
Environmental Impact Statements (EIS)	8.1
Compliance Procedures.....	8.1.2
Construction	Ch 8 - Activity 20
DEIS	Ch 8 - Activity 10
Draft EIS, Preparation and Review	Ch 8 - Activity 8
FEIS	
Preparation/Approval Process	Ch 8 - Activity 16
Circulation	Ch 8 - Activity 17
Design Recommendation.....	Ch 8 - Activity 18
FHWA Legal Sufficiency Review	Ch 8 - Activity 15
FHWA Review	Ch 8 - Activities 9 and 14
Final EIS, Preparation and Review	Ch 8 - Activity 13
Informational Public Meetings	Ch 8 - Activity 4

<u>Subject</u>	<u>Section/Figure</u>
Initiating Process	Ch 8 - Activity 1
Location/Design Hearing	Ch 8 - Activity 11
Notice of Intent	Ch 8 - Activity 2
Re-evaluations	8.3
ROD Request	Ch 8 - Activity 19
Scoping Process	Ch 8 - Activity 3
Substantive Comments, Evaluation and Respond to	Ch 8 - Activity 12
Supplemental	8.2
Technical Reports	Ch 8 - Activity 7
Environmental Issue Areas	
Air Quality	2.3.3
Farmland Impacts.....	2.3.3
Hazardous Materials/Waste	2.3.3
Material Sites.....	2.3.3
Native American Consultation/Coordination.....	2.3.3
NEPA.....	2.3.3
Noise	2.3.3
Noxious Weeds/Invasive Species	2.3.3
Section 106	2.3.3
Section 4(f)	2.3.3
Socio-Economic Issues	2.3.3
Storm Water	2.3.3
Threatened and Endangered Species.....	2.3.3
Wetlands/Waters of the US	2.3.3
Wild and Scenic Rivers	2.3.3
Environmental Justice	1.3.3, Ch 13 - Activity 1
Environmental Services Division	
Construction and Maintenance.....	1.1
Cultural Resources.....	1.3.2
Division Chief	1.3.1
Organization Chart	Fig 1.2-A
Preconstruction	1.1
Responsibilities	1.3
Environmental Studies Section	1.3.3
Environmental Specialist (Biology)	1.3.3.2
Management Analyst.....	1.3.3.4
Section Supervisor	1.3.3.1
Water Quality Engineer	1.3.3.3
Environmental Training	1.3.3.4
Executive Order 11990	14.1.1
Executive Order 12898	1.3.3.4
Executive Order 13084	1.3.2

- F -

Farmland	
Environmental Issue Areas	2.3.3
Impacts.....	21.3
Rating Form	Figure 21.3-A
Procedures	21.3.3
Regulations and Guidance	21.3.2
FHWA	

<u>Subject</u>	<u>Section/Figure</u>
Legal Sufficiency Review	Ch 8 - Activity 15
FHWA Review	
Environmental Assessment (EA).....	Ch 7 - Activity 9
Environmental Impact Statements (EIS)	Ch 8 - Activities 9 and 14
Field Review.....	Ch 5 - Activity 6
FONSI	
Environmental Assessment (EA).....	Ch 7 - Activities 13 and 14
- G -	
- H -	
Hazardous Materials/Waste	
Action	Section 20.1 - Activities 4 and 5
Assessment Procedures	20.1
District Support.....	20.2
Environmental Concerns	Section 20.1 - Activity 3
Environmental Issue Areas	2.3.3
ISA Determination	Section 20.1 - Activity 2
Historic Resources	Ch 11 - Activity 3
- I -	
Impacts	
Evaluation of Significance	Ch 5 - Activity 7
Impaired Waters	21.5
Procedures	21.5.3
Regulations and Guidance	21.5.2
Invasive Species	1.3.3, 21.2
- J, K -	
- L -	
Land and Water Conservation Fund Act	
Section 6(f) Land	2.3.3
- M -	
Material Sites	
Environmental Clearance Procedures.....	17.1
Field Review Checklist	Figure 17.2-B
Maintenance.....	17.5
Data Collection.....	Section 17.5 - Activity 1
Field Reviews and Surveys.....	Section 17.5 - Activity 2
Environmental Clearance.....	Section 17.5 - Activity 3
Right-of-Way	
Data Collection.....	Section 17.3 - Activity 1
Field Reviews and Surveys.....	Section 17.3 - Activity 2
Permit Acquisition	Section 17.3 - Activity 3
NEPA Documents	Section 17.3 - Activities 4 and 5
Environmental Clearance.....	Section 17.3 - Activity 6
Existing Site	17.4

<u>Subject</u>	<u>Section/Figure</u>
Testing	
Data Collection.....	Section 17.2 - Activity 1
Field Reviews and Surveys.....	Section 17.2 - Activity 2
Permit Acquisition	Section 17.2 - Activity 3
Environmental Clearance.....	Section 17.2 - Activity 4
Migratory Bird Treaty Act	
Environmental Issue Areas	2.3.3
Procedures	21.6.3
Regulations and Guidance	21.6.2
Mitigation	
Endangered Species, Threatened and.....	Ch 16 - Activities 5 and 6
Mitigation Commitments	
Wetlands/Waters of the US	Section 14.1 - Activity 10
Mitigation Measures	
Contract Documents.....	Ch 13 - Activity 7
Monitoring.....	Ch 13 - Activity 8
- N -	
National Historic Preservation Act (NHPA)	11.1
National Pollutant Discharge Elimination System (NPDES)	
Storm Water	Ch 15 - Activities 8 and 9
National Register of Historic Places (NRHP)	1.3.2.2, 11.1
Native American	
Consultation/Coordination	21.9
Procedures	21.9.3
Regulations and Guidance	21.9.2
Native American Consultation	
Environmental Issue Areas	2.3.3
NEPA	
Administrative Record, Building a	2.3.2
Decision Making Process	Ch 5. Fig. 5.1-A
Environmental Issue Areas	2.3.3
Wetlands	Section 14.1 - Activity 9
Wetlands/Waters of the US, Compliance	Section 14.1 - Activity 9
Noise Analysis.....	19.1
Abatement	
Locations.....	Section 19.1 - Activity 6
Measures	Section 19.1 - Activity 7
Complaints	19.2
Geometric and Traffic Data	Section 19.1 - Activity 4
Levels	Section 19.1 - Activity 3
Local Officials.....	Section 19.1 - Activity 9
Reasonableness and Feasibility.....	Section 19.1 - Activity 8
Traffic Models.....	Section 19.1 - Activity 5
Noxious Weeds	21.2
Environmental Issue Areas	2.3.3
Procedures	21.2.3
Regulations and Guidance	21.2.2

Subject **Section/Figure**

- O -

- P -

Permits

- Environmental Commitments 2.4
- Environmental Commitments Checklist..... Fig. 2.4-A
- Incidental Take 21.7
 - Regulations and Guidance..... 21.7.2
 - Procedures..... 21.7.3
- Section 404 14.2
- Temporary Working in Waterway/Discharge..... 21.8
 - Regulations and Guidance..... 21.8.2
 - Procedures..... 21.8.3
- Process, NEPA Decision-Making Ch 5
- Project Development
 - Consultant File 2.2.3
 - Email Requirements 2.2.2
 - Records and Files 2.2
- Project Development Process Fig 2.1-A
- Properties, Eligible
 - Adverse Effects Ch 11 - Activities 7 and 8
 - Effects Ch 11 - Activity 6
 - National Register of Historic Places (NRHP) Ch 11 - Activity 5
- Public Involvement Methods 9.3
 - Informational Meetings 9.3.2
 - Public Hearings 9.3.3
 - Formats 9.3.3.6
 - Handouts..... 9.3.3.7
 - Legal Basis 9.3.3.1
 - Notice of..... 9.3.3.5
 - Opportunity 9.3.3.2
 - Scheduling 9.3.3.4
 - Transcript/Documentation 9.3.3.8
 - Types 9.3.3.3
- Public Involvement Process
 - Guidelines for Planning 9.2.6
 - Intent-to-Study Letter..... 9.2.2
 - Interagency Coordination 9.4
 - Notice of Intent (NOI) 9.2.3
 - Regulations & Guidance..... 9.1
- Purpose and Need Ch 5 - Activity 1

- Q -

- R -

- Right-of-Entry Permits Ch 11 - Activity 4

Subject

Section/Figure

- S -

Scoping	9.2.5
Section 106	
Compliance	
Procedures.....	11.1
Commitments.....	Ch 11 - Activity 9
Environmental Issue Areas	2.3.3
Section 4(f)	
Alternatives and Measures to Minimize Harm.....	Ch 12 - Activity 3
<i>de minimis</i> Impact Finding, Applicability of.....	Ch 12 - Activity 5
Environmental Issue Areas	2.3.3
Evaluation	
Individual Section 4(f)	Ch 12 - Activity 7
Programmatic.....	Ch 12 - Activity 6
Process	Figure 12.1A
Resources	Ch 12 - Activities 1 and 2
Section 6(f).....	Ch 12 - Activity 4
Section 401	
Water Quality Certification.....	14.3
Application to NDEP	Section 14.3 - Activity 1
NDEP Response.....	Section 14.3 - Activity 2
Special Provisions.....	Section 14.3 - Activity 3
BMP	Section 14.3 - Activities 4 and 5
Section 404	
Agency Coordination	Section 14.2 - Activity 1
Permits	
Application	Section 14.2 - Activity 2
Compliance with Permit Conditions	Section 14.2 - Activity 6
Determination.....	Section 14.2 - Activity 4
Public Notice	Section 14.2 - Activity 5
USACE Review.....	Section 14.2 - Activity 3
Permitting Procedures.....	14.2
Section 401 Confirmation.....	Section 14.2 - Activity 7
Section 6(f)	
Environmental Analyses/Permits.....	21.1
Land and Water Conservation Fund Act	2.3.3
Procedures	21.1.3
Regulations & Guidance.....	21.1.2
Section 4(f).....	Ch 12 - Activity 4
Sensitive Plant and Animal Species.....	1.3.3
Socio-Economic	
Analysis Process.....	13.1
Documentation of Impact and Analysis	Ch 13 - Activity 6
Mitigation Options.....	Ch 13 - Activity 5
Storm Water	15.1
Construction	Ch 15 - Activities 8 and 9
Controls	Ch 15 - Activities 4, 5 and 6
Environmental Documentation	Ch 15 - Activity 7
Environmental Issue Areas	2.3.3
Impacts.....	Ch 15 - Activities 2 and 3

<u>Subject</u>	<u>Section/Figure</u>
Receiving Waters	Ch 15 - Activity 1
- T -	
Task Order	
Consultant Procedures.....	3.1.3
Task Order Process	
Consultant Procedures.....	Fig. 3.2-A
Technical Reports	
Environmental Assessment (EA).....	Ch 7 - Activity 7
Environmental Impact Statement (EIS).....	Ch 8 - Activity 7
Traffic Models	
Noise Analysis.....	Section 19.1 - Activity 5
- U, V -	
- W -	
Water Quality Certification	
Section 401 Confirmation.....	14.3
Waterways	
Permits	21.8
Wetland	
Avoidance/Minimization Measures.....	Section 14.1 - Activity 6
Delineations.....	Section 14.1 - Activity 2
Finding.....	14.1.1
Functional Assessment	Section 14.1 - Activity 3
Identification	Section 14.1 - Activity 1
Interagency Coordination	Section 14.1 - Activity 8
Jurisdictional Determination	Section 14.1 - Activity 4
Mitigation Plan.....	Section 14.1 - Activity 7
NEPA Compliance.....	Section 14.1 - Activity 9
Project Impacts.....	Section 14.1 - Activity 5
Wetlands/Waters of the US	
Environmental Issue Areas	2.3.3
NEPA Compliance.....	Section 14.1 - Activity 9
Wild and Scenic Rivers	21.4
Environmental Issue Areas	2.3.3
Procedures	21.4.3
Regulations and Guidance	21.4.2

- X, Y, Z -