# TABLE OF CONTENTS

## Chapter 1: Introduction

### Section 1-1 About the Guide

### Section 1-5 Process to Add/Update a Section/Subject

## Chapter 2: Regional Contact Information

### Section 2-1 Regional Directories

- 2-1-1 Phone Directory - Region Wide
- 2-1-5 PDS - Contact Information
- 2-1-10 TSS - Contact Information
- 2-1-15 SPO - Contact Information

## Chapter 3: Facilities Development Process

### Section 3-1 Project Management

- 3-1-1 Project Management Plan
- 3-1-5 Project Team
- 3-1-10 Milestone Approval
- 3-1-15 Risk Management
- 3-1-20 Stakeholder List
- 3-1-25 Project Monitoring
- 3-1-30 Project Component Cost Estimate Review and Updates
- 3-1-35 Project Component Schedule Review and Updates
- 3-1-40 FIIPS Preliminary Quantities (Roadbuilder Quantities) Review and Updates
- 3-1-45 Production Meetings
- 3-1-50 Change Management (Program Revision Review / Project Action Review)

## Chapter 4: Consultant Services

### Section 4-1 Acquiring Consultant Resources

- 4-1-1 Overview of Consultant Resource Acquisition Process
- 4-1-5 Solicitation Methods
- 4-1-10 Consultant Selection
- 4-1-15 Consultant Contract Negotiations
- 4-1-20 Amendments

## Chapter 5: Planning A Project

### Section 5-1 Program Development

- 5-1-1 Programs
- 5-1-5 Project Initiation Process
- 5-1-10 Programming Projects
- 5-1-15 Financial Integrated Improvement System (FIIPS)

### Section 5-5 Project Management Plan Development

- 5-5-1 Project Management Plan Development
- 5-5-5 Data Gathering
- 5-5-10 Project Scope
- 5-5-15 Project Schedule
Chapter 6: Project Agreements

Section 6-1 State Municipal Financial Agreement (SMFA)

6-1-1 ........When do you need one?
6-1-5 ..........Initial Agreements
6-1-10 ........Updated Agreements
6-1-15 ..........Approvals
6-1-20 ..........Storage and Distribution

Chapter 7: Design Development

Section 7-5 Public Involvement

7-5-1 ........Initial Public Outreach Process
7-5-5 ........Public Involvement Plan
7-5-10 ........Public Involvement Meeting (PIM)
7-5-11 ........Public Involvement Meeting (PIM) Video Presentation
7-5-15 ........Project Websites
7-5-20 ..........Media Contacts
7-5-25 ..........Local Officials Meeting
7-5-30 ..........Local Business Coordination/Meeting

Section 7-10 Design Tools

7-10-1 ........Civil 3D
7-10-5 ........Quantities 2 Plans (Q2P)
7-10-10 .........AASHTOWare Project Estimator
7-10-15 .........Bid Express
7-10-20 .........Drainage Software

Section 7-25 Design Elements

7-25-1 ........Bicycle & Pedestrian Facilities
7-25-5 .........Curb Ramp Design
7-25-10 ........Erosion Control Plans and Special Provisions
7-25-15 .........Drainage
7-25-20 ........Storm Sewer Design
7-25-25 ........Staging / Constructability / Coordination with Traffic Control
7-25-30 ........Outdoor Advertising Reviews and Removals
7-25-35 .........Salt Sheds
7-25-40 ........Urban Intersection Sight Distance and On-Street Parking Requirements
7-25-45 .........Detour Route Improvements/Maintenance Requirements
7-25-50 ........Traffic Control, Alternate Entrance Ramp Configuration in High Volume Areas
7-25-55 ........Replacing Existing Land Parcel or Boundary Monuments

Section 7-30 Plans Production

7-30-1 ........CADDs Libraries
7-30-5 ........Sheet Masking/Borders
7-30-10 .........General Notes
7-30-15 ........Region Construction Details Library
7-30-20 .........Cross Section Plotting

Section 7-35 Project Review Process

7-35-1 ........Final Scope Certification Review
7-35-5 ........Design Study Review
7-35-10 .........Pre-PS&E Review
Section 7-40  
**PS&E**

- 7-40-1........PS&E Submittal Process
- 7-40-5........Estimate Uploads
- 7-40-10........Special Provisions and Specification Modifications Region Library
- 7-40-15........Bid Item Guidance
- 7-40-20........Estimate Documentation
- 7-40-25........Advanceable Projects
- 7-40-30........DT25 Recommendation to Governor for Contract and Bond Approval Guidance

Section 7-45  
**Post PS&E**

- 7-45-1........Bid Justification Process - State Projects
- 7-45-2........Bid Justification Process - Local Projects
- 7-45-5........Addenda

Section 7-50  
**Environmental**

- 7-50-1........Project/Environmental Timeline
- 7-50-5........Environmental Document Type Identification
- 7-50-10.......Department of Natural Resources (DNR) Coordination
- 7-50-15.......Archaeology and History Screening Process (Section 106 Process) and Tribal Notification
- 7-50-20.......Hazardous Material (Hazmat) Investigation Request Process
- 7-50-25.......Wetland Determination/Delineation Process
- 7-50-30.......Agricultural Impact Process
- 7-50-35.......Environmental Document Review and Approval Process
- 7-50-40.......U.S. Army Corps of Engineers (USACE) Coordination

Section 7-55  
**Soils and Pavement**

- 7-55-1........Soils Report
- 7-55-5........Pavement Design Report (PDR)

Section 7-80  
**Traffic**

- 7-80-1........Traffic Volume Data and Review (Intersection Counts)
- 7-80-5........Traffic Forecasting
- 7-80-10.......Safety Certification Process
- 7-80-15.......Transportation Management Plan (TMP)
- 7-80-20.......Incident Management Plan (IMP)
- 7-80-25.......Intersection Design and Operations
- 7-80-30.......Traffic Signals
- 7-80-35.......Intelligent Transportation Systems (ITS)
- 7-80-40.......Highway Lighting
- 7-80-45.......Installation of Crosswalk Markings, Flashing Beacons, and Community-Owned Signs
- 7-80-50.......Electrical Installation Plans

Section 7-85  
**Utilities**

- 7-85-1........Utility Coordination Process
- 7-85-5........Project Initialization
- 7-85-10.......Planning and Review Meetings
- 7-85-15.......1077 Process
- 7-85-20.......Plat Review by Utility Unit
- 7-85-25.......1078 Process
- 7-85-30.......Utility Agreements
- 7-85-35.......Pre-PS&E and PS&E Submittals
- 7-85-40.......Permits
- 7-85-45.......Post PS&E Utility Coordination
Section 8-1 Preconstruction Tasks

8-1-1 Preconstruction Preparation
8-1-5 Post-Award Notice and Pre-Construction Documents
8-1-10 Set-Up for Preconstruction Meeting
8-1-15 Preconstruction Meeting
8-1-20 Set-Up Field Office
8-1-25 Notice to Proceed (Start Notice) / Conditional Start Notice

Section 8-10 Contract Change Orders

8-10-1 Contract Modifications and Contract Modification Justifications
8-10-5 Electronic Signatures
8-10-10 Negative Semi-Final Estimates
8-10-15 Extending Time
8-10-20 Suspending and Resuming Time
8-10-25 Carryover Projects
8-10-30 Liquidated Damages

Section 8-15 Environmental

8-15-1 Erosion Control Implementation Plan (ECIP) Submittal Review
8-15-5 Erosion Control Release Reporting
8-15-10 Erosion Control Inspections and Orders
8-15-15 Transportation Construction General Permit (TCGP)

Section 8-25 Force Account Documentation

8-25-1 Force Account Work
8-25-5 Equipment Watch (Blue Book) Information

Section 8-30 Inspection

8-30-1 Inspection Guidance

Section 8-35 Cold Weather Paving

8-35-1 Cold Weather Hot Mix Asphalt (HMA) Paving Letter

Section 8-45 Materials Documentation

8-45-1 SW Region Materials Reminders
8-45-5 Materials-Related Forms & Spreadsheets

Section 8-50 Stakeholder Coordination

8-50-1 Public Involvement
8-50-5 Resident and Local Business Contacts
8-50-10 Mailboxes
8-50-15 Landscaping Care
8-50-20 Temporary Business Signing
8-50-25 Construction Completion Notification

Section 8-55 Construction Progress Meetings

8-55-1 Weekly Progress Meetings

Section 8-75 Finals

8-75-1 Release of Retainage
8-75-5 Contract Items Review Form DT2076
8-75-10 Late Finals Reason Codes
8-75-15 As-Builts
8-75-20 Finals Boxes & Records Storage
8-75-30 Partial Acceptance
8-75-35 Curb Ramp Compliance Post Construction Report
Section 8-95 References

8-95-1 ........ Construction Forms, Spreadsheets and Templates
8-95-5 ........ Construction SWIG Review Team