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| 10.17.4 | Safety Warning Transmitter (SWT) | <i>No Changes</i> |
| 10.17.5 | Speed and Law Enforcement Officer | <i>No Changes</i> |

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| 10.14.1 | Taper Length Criteria for Work Zones | <i>No Changes</i> |
| 10.14.2 | Minimum Radii for Normal 0.02 Cross Slopes | <i>No Changes</i> |

Exhibits

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|------|-----------------------------------|-------------------|
| 10-A | Lane Closures | <i>No Changes</i> |
| 10-B | Lane Closure Policy and Procedure | <i>10-8</i> |

Chapter 11 – Storm Water Pollution Prevention Plan

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| 11.1 | General | <i>No Changes</i> |
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Chapter 12 – Right of Way

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| 12.1 | General | <i>12-1</i> |
| 12.2 | Procedures for Establishing R/W Requirements | <i>No Changes</i> |
| 12.2.1 | Open Cut and Fill Roadway Sections | <i>No Changes</i> |
| 12.2.2 | Curb and Gutter Roadway Section | <i>No Changes</i> |
| 12.2.3 | Access Management | <i>12-1</i> |
| 12.2.4 | Procedures for Decision Making | <i>No Changes</i> |
| 12.2.5 | Transmittal of R/W Requirements | <i>No Changes</i> |
| 12.3 | Process for Establishing Right of Way Requirements | <i>No Changes</i> |
| 12.3.1 | New or Major Reconstruction Projects | <i>No Changes</i> |

| | | |
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| 12.3.2 | Reconstruction Projects With Anticipated R/W Requirements | <i>No Changes</i> |
| 12.3.3 | Projects Without an Identified R/W Phase | <i>No Changes</i> |
| 12.4 | Property Owner Contacts | <i>12-1</i> |
| 12.5 | Construction Issues | <i>12-2</i> |

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| 12.3.3 | R/W Requirements Generalized Process Flow Diagram | <i>No Changes</i> |
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Chapter 13 – Initial Engineering Design Process

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|--------|--|-------------------|
| 13.1 | General | <i>No Changes</i> |
| 13.2 | Initial Engineering Design (Phase I) | <i>13-1</i> |
| 13.3 | Scope, Objectives, Schedule and Budget | <i>No Changes</i> |
| 13.4 | Project Design Controls and Standards | <i>No Changes</i> |
| 13.5 | Support Services | <i>No Changes</i> |
| 13.5.1 | Aviation Office Coordination | <i>No Changes</i> |
| 13.5.2 | Projects Involving Bridges with Lead Based Paint | <i>No Changes</i> |
| 13.5.3 | Projects Involving Bridges Over Navigable Water..... | <i>No Changes</i> |
| 13.5.4 | Projects Affecting Interstate Logo Signs..... | <i>No Changes</i> |
| 13.6 | Preliminary Geometry, Grades, and Cross Sections | <i>No Changes</i> |
| 13.7 | Distribution of Exempt Public Documents..... | <i>No Changes</i> |

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| 13.5.1 | Construction of Airspace Obstructions – Notification | <i>No Changes</i> |
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|---|-------------------|
| 13-A Major Activities – Initial Engineering Process | <i>No Changes</i> |
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Chapter 14 – Final Engineering Design Process

| | |
|--|-------------------|
| 14.1 General | <i>No Changes</i> |
| 14.2 Final Engineering Design | <i>No Changes</i> |
| 14.3 Contract Plans Preparation | <i>No Changes</i> |
| 14.4 Specifications and Special Provisions | <i>14-1</i> |
| 14.5 Pay Items and Summaries of Quantities | <i>14-1</i> |
| 14.6 Assemble Contract Plans Package | <i>14-1</i> |

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| 14-A Major Activities – Final Engineering Design Process | <i>14-2</i> |
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Chapter 15 – Update Engineering Design Process

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|--|-------------------|
| 15.1 General | <i>No Changes</i> |
| 15.2 Design Update Review and Decision Process | <i>No Changes</i> |
| 15.3 Updating Engineering Design and Documents | <i>No Changes</i> |
| 15.4 Revised Contract Plans Package | <i>No Changes</i> |

Exhibits

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|---|-------------------|
| 15-A Major Activities - Update Engineering Design Process | <i>No Changes</i> |
|---|-------------------|

Chapter 16 – Design Submittals

| | |
|--|-------------------|
| 16.1 General | <i>No Changes</i> |
| 16.2 Design Documentation Submittals | <i>No Changes</i> |

| | | |
|----------|--|-------------------|
| 16.2.1 | Field Survey Data | <i>No Changes</i> |
| 16.2.2 | Project Traffic | <i>No Changes</i> |
| 16.2.3 | Typical Section Package | <i>16-1</i> |
| 16.2.4 | Preliminary Drainage Design | <i>16-2</i> |
| 16.2.5 | Preliminary Geometry and Grades | <i>16-2</i> |
| 16.2.5.1 | Turnpike Preliminary Line and Grade Submittal | <i>16-2</i> |
| 16.2.6 | Preliminary Traffic Control Plan | <i>16-3</i> |
| 16.2.7 | Pavement Selection and Design | <i>16-3</i> |
| 16.2.7.1 | Turnpike Pavement Design Submittals | <i>16-3</i> |
| 16.2.8 | Preliminary Utilities | <i>No Changes</i> |
| 16.3 | Structures Submittals | <i>No Changes</i> |
| 16.3.1 | Coordination of Structural Design – (Bridges and Retaining Walls) | <i>No Changes</i> |
| 16.3.2 | Bridges | <i>No Changes</i> |
| 16.3.3 | Other Structural Submittals and Reviews | <i>No Changes</i> |
| 16.4 | Plans Phase Reviews | <i>No Changes</i> |
| 16.4.1 | Phase III Submittals | <i>16-3</i> |
| 16.4.2 | Phase IV Submittals | <i>16-3</i> |
| 16.4.3 | Final Submittal | <i>16-4</i> |
| 16.4.3.1 | Full Electronic Seal | <i>16-4</i> |
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| 16.4.3.3 | Architectural Plans | <i>16-4</i> |
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| 16-C Building | 16-6 |
| 16-D Certification of Plans, Specifications and Quantities..... | 16-7 |

Chapter 17 – Engineering Design Estimate Process

| | |
|--|------------|
| 17.1 General | No Changes |
| 17.2 Pay Item List | No Changes |
| 17.3 Designer Interface for TRNS*PORT | No Changes |
| 17.4 Estimated Quantities | No Changes |
| 17.4.1 Computation Book and Summary of Quantities | 17-1 |
| 17.4.1.1 Plan Quantity | No Changes |
| 17.4.1.2 Final Measurement Concept | No Changes |
| 17.4.2 Breakdown of Quantities | No Changes |
| 17.4.3 Utility Contract Plans (Joint Project Agreements) | No Changes |
| 17.4.4 Plan Notes | No Changes |
| 17.5 Specifications (Method of Measurement) | No Changes |
| 17.6 Pay Items | No Changes |
| 17.7 Contract Time | No Changes |
| 17.8 Alternative Contracting Practices | 17-1 |

Exhibits

| | |
|---|------------|
| 17-A Major Activities - Engineering Design Estimate Process | No Changes |
|---|------------|

Chapter 18 – Quality Assurance & Quality Control

| | |
|------------------------------|------------|
| 18.1 General | No Changes |
| 18.2 Quality Assurance | No Changes |

| | | |
|----------|--|-------------------|
| 18.2.1 | Authority | <i>No Changes</i> |
| 18.2.2 | Accountability | <i>No Changes</i> |
| 18.2.3 | Critical Areas to be Monitored | <i>No Changes</i> |
| 18.2.4 | Documentation | <i>No Changes</i> |
| 18.2.5 | Training | <i>No Changes</i> |
| 18.3 | Quality Control | <i>No Changes</i> |
| 18.3.1 | Authority | <i>No Changes</i> |
| 18.3.2 | Accountability | <i>No Changes</i> |
| 18.3.3 | Critical Areas to be Monitored | <i>No Changes</i> |
| 18.3.4 | Documentation | <i>No Changes</i> |
| 18.3.5 | Training | <i>No Changes</i> |
| 18.4 | Turnpike Quality Control and Assurance Process | <i>18-1</i> |
| 18.4.1 | Quality Goals and General Requirements | <i>18-1</i> |
| 18.4.2 | Quality Control Procedure Requirement | <i>18-3</i> |
| 18.4.2.1 | Completion Checklists Requirements | <i>18-3</i> |
| 18.4.2.2 | Quality Control Tracking Stamp Requirements | <i>18-3</i> |
| 18.4.2.3 | Quality Process Log Requirements | <i>18-4</i> |
| 18.4.2.4 | Standard Documentation Procedure | <i>18-4</i> |
| 18.4.3 | Definitions | <i>18-4</i> |

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| 18-A | Project Staffing List | <i>18-6</i> |
| 18-B | Quality Process Log | <i>18-11</i> |
| 18-C | Certificate of Compliance | <i>18-12</i> |

Chapter 19 – Sealing Design Documents

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| 19.1 | General | <i>No Changes</i> |
| 19.2 | Sealing of Contract Plans/Record Set | <i>No Changes</i> |
| 19.2.1 | Manual Sealing | <i>No Changes</i> |
| 19.2.2 | Electronic Sealing | <i>No Changes</i> |
| 19.3 | Sealing Other Engineering Documents | <i>No Changes</i> |
| 19.4 | Sealing of Revisions | <i>No Changes</i> |
| 19.4.1 | Plans | <i>No Changes</i> |
| 19.4.2 | Other Engineering Documents | <i>No Changes</i> |
| 19.5 | Support Documents | <i>No Changes</i> |
| 19.5.1 | 18 KIP Equivalent Single Axle Loads (ESAL) | <i>No Changes</i> |
| 19.5.2 | Project Traffic | <i>No Changes</i> |

Chapter 20 – Plans Processing and Revisions

| | | |
|--------|---|-------------------|
| 20.1 | General | <i>No Changes</i> |
| 20.2 | Glossary | <i>No Changes</i> |
| 20.3 | Plans Processing | <i>No Changes</i> |
| 20.3.1 | District Activities | <i>No Changes</i> |
| 20.3.2 | Submittal to Tallahassee | <i>20-1</i> |
| 20.4 | Revisions to the Contract Plans Package | <i>20-1</i> |
| 20.5 | Resubmittal of Withdrawn Project | <i>No Changes</i> |

Figures

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| 20.1 | District Revisions | <i>No Changes</i> |
| 20.2 | Method to Show Plan Changes or Revisions..... | <i>20-2</i> |

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|------|--|-------------------|
| 20-A | Transmittal of Contract Plans Set | <i>No Changes</i> |
| 20-B | Contract File Index | <i>No Changes</i> |
| 20-C | Revision Memo | <i>No Changes</i> |
| 20-E | Plans, Specifications and Computation Book | <i>No Changes</i> |
| 20-F | Project Certification to Federal Standards | <i>No Changes</i> |
| 20-G | Preliminary Engineering Certification | <i>No Changes</i> |
| 20-H | Request for Control Group Change | <i>No Changes</i> |
| 20-I | Change Memo | <i>No Changes</i> |
| 20-J | Turnpike Enterprise Electronic Plan Revision Procedure (Post Letting)... | 20-4 |

Chapter 21 – Transportation Design for Livable Communities

| | | |
|---------|--|-------------------|
| 21.1 | General | <i>No Changes</i> |
| 21.2 | Planning | <i>No Changes</i> |
| 21.3 | Application | <i>No Changes</i> |
| 21.4 | Techniques | <i>No Changes</i> |
| 21.5 | Design Criteria | <i>No Changes</i> |
| 21.5.1 | Design Speed | <i>No Changes</i> |
| 21.5.2 | Number of Lanes | <i>No Changes</i> |
| 21.5.3 | Lane Widths | <i>No Changes</i> |
| 21.5.4 | Horizontal Alignment | <i>No Changes</i> |
| 21.5.5 | Medians | <i>No Changes</i> |
| 21.5.6 | Horizontal Clearance and Clear Zones | <i>No Changes</i> |
| 21.5.7 | Intersections | <i>No Changes</i> |
| 21.5.8 | Lighting | <i>No Changes</i> |
| 21.5.9 | Traffic Control | <i>No Changes</i> |
| 21.5.10 | Landscaping | <i>No Changes</i> |

| | | |
|---------|--|-------------------|
| 21.5.11 | Parking | <i>No Changes</i> |
| 21.5.12 | Alternative Roadway Paving Materials | <i>No Changes</i> |
| 21.5.13 | Conversion to One-Way Pairs | <i>No Changes</i> |
| 21.6 | Pedestrian and Bicycle Considerations | <i>No Changes</i> |
| 21.6.1 | Sidewalks | <i>No Changes</i> |
| 21.6.2 | Crosswalks | <i>No Changes</i> |
| 21.6.3 | Curb Extensions (Bulb-Outs) | <i>No Changes</i> |
| 21.6.4 | Personal Security and Safety Amenities | <i>No Changes</i> |
| 21.6.5 | Bicycle Facilities | <i>No Changes</i> |
| 21.7 | Transit-Systems and Amenities | <i>No Changes</i> |

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| 21.1 | Lane Widths | <i>No Changes</i> |
| 21.2 | Horizontal Clearance to Utility Installations | <i>No Changes</i> |
| 21.3 | Horizontal Clearance to Trees | <i>No Changes</i> |
| 21.4 | Horizontal Clearance to Other Roadside Obstacles | <i>No Changes</i> |
| 21.5 | TDLC Clear Zone | <i>No Changes</i> |

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| 21.1 | Curb Extension | <i>No Changes</i> |
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|------|--|-------------------|
| 21-A | General Techniques | <i>No Changes</i> |
| 21-B | Techniques To Reduce Speed Or Traffic Volume | <i>No Changes</i> |
| 21-C | Techniques To Support Shifts Between Modes | <i>No Changes</i> |
| 21-D | Area-Wide Techniques | <i>No Changes</i> |

Chapter 22 – Lump Sum Project Guidelines

| | | |
|------|--|-------------------|
| 22.1 | General | <i>No Changes</i> |
| 22.2 | Project Selection | <i>No Changes</i> |
| 22.3 | Plans Preparation | <i>No Changes</i> |
| 22.4 | Preliminary Estimate | <i>No Changes</i> |
| 22.5 | Specifications | <i>No Changes</i> |
| 22.6 | Contracts Administration | <i>No Changes</i> |
| 22.7 | Construction Contract Administration | <i>No Changes</i> |
| 22.8 | Materials Sampling and Testing | <i>No Changes</i> |

Exhibits

| | | |
|------|---------------------|-------------------|
| 22-A | Items of Work | <i>No Changes</i> |
|------|---------------------|-------------------|

Chapter 23 – Design Exceptions and Design Variations

| | | |
|----------|--|-------------------|
| 23.1 | General | <i>No Changes</i> |
| 23.2 | Design Exceptions | <i>No Changes</i> |
| 23.2.1 | Coordination and Conceptual Concurrence | <i>No Changes</i> |
| 23.2.2 | Justification and Documentation | <i>No Changes</i> |
| 23.2.3 | Approval and Concurrence | <i>23-1</i> |
| 23.2.3.1 | Turnpike Design Exceptions | <i>23-1</i> |
| 23.2.3.2 | Turnpike Design Variations | <i>23-1</i> |
| 23.2.4 | Sealing | <i>No Changes</i> |
| 23.2.5 | Concurrence Review | <i>No Changes</i> |
| 23.2.6 | Copies and Distribution | <i>No Changes</i> |
| 23.3 | Design Variations | <i>No Changes</i> |
| 23.4 | AASHTO Criteria for Critical Design Elements | <i>No Changes</i> |

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| Criteria Tables Cross Reference | <i>No Changes</i> |
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| 23-A Sample Request Letter for Design Exception | <i>No Changes</i> |
| 23-B Sample Request Letter for Design Variation | <i>No Changes</i> |
| 23-C Design Exceptions Variations and Utility Exceptions Process ... | <i>No Changes</i> |

Chapter 24 – Federal Aid Project Certification

| | |
|--|-------------------|
| 24.1 General | <i>No Changes</i> |
| 24.2 Exemption Coverage | <i>No Changes</i> |
| 24.2.1 Exclusions | <i>No Changes</i> |
| 24.3 Certification Responsibilities | <i>No Changes</i> |
| 24.4 Certification Documentation and Reviews | <i>No Changes</i> |
| 24.5 Certification Statement | <i>No Changes</i> |

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| | |
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| 24-A Approval and Concurrence Process | <i>No Changes</i> |
| 24-B Design Plans Phase Review | <i>No Changes</i> |
| 24-C Special Provisions | <i>No Changes</i> |

**Chapter 25 – Florida’s Design Criteria For Resurfacing, Restoration
and Rehabilitation (RRR) of Streets and Highways**

| | |
|-------------------------|-------------------|
| 25.1 Introduction | <i>No Changes</i> |
| 25.1.1 General | <i>No Changes</i> |

| | | |
|----------|--|-------------------|
| 25.1.2 | Application | <i>No Changes</i> |
| 25.2 | Planning and Programming RRR Projects | <i>No Changes</i> |
| 25.2.1 | Projects Requiring Right of Way | <i>No Changes</i> |
| 25.2.2 | Projects With Bridges Within Project Limits | <i>No Changes</i> |
| 25.2.3 | Project Features Requiring Exceptions and Variations ... | <i>No Changes</i> |
| 25.3 | RRR Project Design Process | <i>No Changes</i> |
| 25.3.1 | Review of Project Purpose | <i>No Changes</i> |
| 25.3.1.1 | Principal Reason(s) for the RRR Project | <i>No Changes</i> |
| 25.3.1.2 | General Nature of Proposed Improvements (Type of Work)..... | <i>No Changes</i> |
| 25.3.1.3 | Review Project Budget and Priority | <i>No Changes</i> |
| 25.3.2 | Assessment of Conditions | <i>No Changes</i> |
| 25.3.2.1 | Office Reviews | <i>No Changes</i> |
| 25.3.2.2 | Field Reviews | <i>No Changes</i> |
| 25.3.3 | Project Scopes | <i>No Changes</i> |
| 25.3.4 | Survey Guidelines for RRR Projects | <i>No Changes</i> |
| 25.3.4.1 | Types of Work for RRR Projects | <i>No Changes</i> |
| 25.3.4.2 | Definition of Levels of Survey Effort | <i>No Changes</i> |
| 25.3.5 | Review Project Plans | <i>No Changes</i> |
| 25.3.6 | Document the Design Process | <i>No Changes</i> |
| 25.4 | RRR Design Criteria | <i>No Changes</i> |
| 25.4.1 | Design Period | <i>No Changes</i> |
| 25.4.2 | Project Traffic Volume | <i>No Changes</i> |
| 25.4.3 | Pavement Design | <i>No Changes</i> |
| 25.4.4 | Design Speed | <i>No Changes</i> |
| 25.4.5 | Lane and Shoulder Widths | <i>No Changes</i> |

| | | |
|-----------|---|-------------------|
| 25.4.6 | Roadway Cross Slopes | <i>No Changes</i> |
| 25.4.7 | Superelevation | <i>No Changes</i> |
| 25.4.8 | Shoulder Treatment | <i>No Changes</i> |
| 25.4.9 | Side Slopes | <i>No Changes</i> |
| 25.4.10 | Vertical Alignment | <i>No Changes</i> |
| 25.4.10.1 | Vertical Curvature | <i>No Changes</i> |
| 25.4.10.2 | Grades | <i>No Changes</i> |
| 25.4.11 | Horizontal Alignment | <i>No Changes</i> |
| 25.4.11.1 | Horizontal Curves | <i>No Changes</i> |
| 25.4.12 | Stopping Sight Distance | <i>No Changes</i> |
| 25.4.13 | Vertical Clearance | <i>No Changes</i> |
| 25.4.14 | Horizontal Clearance | <i>No Changes</i> |
| 25.4.14.1 | Control Zones..... | <i>No Changes</i> |
| 25.4.14.2 | Area Outside Control Zones..... | <i>No Changes</i> |
| 25.4.15 | (Reserved) | <i>No Changes</i> |
| 25.4.16 | Border | <i>No Changes</i> |
| 25.4.17 | Intersections | <i>No Changes</i> |
| 25.4.18 | Drainage | <i>No Changes</i> |
| 25.4.19 | Pedestrian, Bicyclist and Transit Needs | <i>No Changes</i> |
| 25.4.20 | Utilities (Underground and Overhead) | <i>No Changes</i> |
| 25.4.21 | At-grade Railroad Crossings | <i>No Changes</i> |
| 25.4.22 | Aesthetics and Landscaping | <i>No Changes</i> |
| 25.4.23 | Highway Lighting | <i>No Changes</i> |
| 25.4.24 | Highway Traffic Control Devices | <i>No Changes</i> |
| 25.4.25 | Bridges | <i>No Changes</i> |
| 25.4.25.1 | Bridge Loading | <i>No Changes</i> |

| | | |
|-----------|---|-------------------|
| 25.4.25.2 | Bridge Width | <i>No Changes</i> |
| 25.4.25.3 | Bridge Railing | <i>No Changes</i> |
| 25.4.25.4 | Vertical Clearance | <i>No Changes</i> |
| 25.4.25.5 | Considerations | <i>No Changes</i> |
| 25.4.26 | Roadside Safety Hardware | <i>No Changes</i> |
| 25.4.26.1 | Longitudinal Barriers, Guardrails, Median Barriers | <i>No Changes</i> |
| 25.4.26.2 | Guardrail to Bridge Rail Transitions | <i>No Changes</i> |
| 25.4.26.3 | Guardrail Terminals | <i>No Changes</i> |
| 25.4.26.4 | Crash Cushions and Attenuators | <i>No Changes</i> |
| 25.5 | Design Exceptions and Variations | <i>No Changes</i> |

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| 25.4.5.1 | Lane and Shoulder Widths - Rural Multilane | <i>No Changes</i> |
| 25.4.5.2 | Lane and Shoulder Widths Two-Lane Rural and Urban, Without Curb and Gutter | <i>No Changes</i> |
| 25.4.5.3 | Lane Widths Urban Multilane or Two-Lane With Curb and Gutter | <i>No Changes</i> |
| 25.4.5.4 | Lane and Shoulder Widths Urban Multilane Without Curb and Gutter | <i>No Changes</i> |
| 25.4.6 | Roadway Cross Slopes | <i>No Changes</i> |
| 25.4.10.1 | K Values for Vertical Curvature | <i>No Changes</i> |
| 25.4.11.1 | Safe Criteria for State Highway System With Maximum Superelevation | <i>No Changes</i> |
| 25.4.12 | Stopping Sight Distance | <i>No Changes</i> |
| 25.4.14.1 | Clear Zone Width (feet) | <i>No Changes</i> |

| | | |
|-----------|---|-------------------|
| 25.4.14.2 | Horizontal Clearance for Traffic Control Signs | <i>No Changes</i> |
| 25.4.14.3 | Horizontal Clearance for Light Poles | <i>No Changes</i> |
| 25.4.14.4 | Horizontal Clearance for Utility Installations | <i>No Changes</i> |
| 25.4.14.5 | Horizontal Clearance to Signal Poles and Controller Cabinets for Signals | <i>No Changes</i> |
| 25.4.14.6 | Horizontal Clearance to Trees | <i>No Changes</i> |
| 25.4.14.7 | Horizontal Clearance to Bridge Piers and Abutments | <i>No Changes</i> |
| 25.4.14.8 | Horizontal Clearance to Railroad Grade Crossing Traffic Control Devices | <i>No Changes</i> |
| 25.4.14.9 | Horizontal Clearance to Other Roadside Obstacles | <i>No Changes</i> |
| 25.4.25.1 | Bridge Loading | <i>No Changes</i> |
| 25.4.25.2 | Clear Width Criteria for Bridges | <i>No Changes</i> |

Exhibits

| | | |
|------|---------------------|-------------------|
| 25-A | Control Zones | <i>No Changes</i> |
|------|---------------------|-------------------|

Chapter 26 – Bridge Project Development

| | | |
|--------|---|-------------------|
| 26.1 | General | <i>No Changes</i> |
| 26.2 | Organization | <i>No Changes</i> |
| 26.3 | Definitions | <i>No Changes</i> |
| 26.3.1 | Category 1 Structures | <i>No Changes</i> |
| 26.3.2 | Category 2 Structures | <i>No Changes</i> |
| 26.4 | Abbreviations Used in Structures Design | <i>No Changes</i> |
| 26.5 | Responsibility | <i>No Changes</i> |
| 26.6 | FHWA Oversight | <i>No Changes</i> |
| 26.7 | Bridge Project Development | <i>No Changes</i> |

| | | |
|---------|--|-------------------|
| 26.8 | Bridge Analysis..... | <i>No Changes</i> |
| 26.8.1 | General | <i>No Changes</i> |
| 26.8.2 | Contents | <i>No Changes</i> |
| 26.9 | Bridge Development Report (BDR)/30% Structures Plans | <i>No Changes</i> |
| 26.9.1 | General | <i>No Changes</i> |
| 26.9.2 | Contents | <i>No Changes</i> |
| 26.9.3 | Format | <i>No Changes</i> |
| 26.9.4 | Aesthetics | <i>No Changes</i> |
| 26.9.5 | Construction and Maintenance Considerations | <i>No Changes</i> |
| 26.9.6 | Historical Significance Considerations | <i>No Changes</i> |
| 26.9.7 | Alternative Designs | <i>No Changes</i> |
| 26.9.8 | Conclusions and Recommendations | <i>No Changes</i> |
| 26.9.9 | 30% Structures Plans | <i>No Changes</i> |
| 26.10 | Bridge Development Report (BDR) Submittal Checklist | <i>26-1</i> |
| 26.11 | Final Plans and Specifications Preparation | <i>No Changes</i> |
| 26.11.1 | General | <i>No Changes</i> |
| 26.11.2 | 60% Substructure Submittal / 60% Structures Plans | <i>No Changes</i> |
| 26.11.3 | 90% Structures Plans | <i>No Changes</i> |
| 26.11.4 | 100% Structures Plans and Specifications | <i>No Changes</i> |
| 26.12 | Plans Assembly | <i>No Changes</i> |
| 26.13 | Plans Submittal | <i>No Changes</i> |
| 26.13.1 | Schedule | <i>No Changes</i> |
| 26.13.2 | Submittal Schedule | <i>No Changes</i> |
| 26.14 | Review for Constructability and Maintainability | <i>No Changes</i> |
| 26.14.1 | Purpose | <i>No Changes</i> |
| 26.14.2 | Responsibility | <i>No Changes</i> |

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| 26.15 | Review for Biddability | <i>No Changes</i> |
| 26.15.1 | Purpose | <i>No Changes</i> |
| 26.15.2 | Responsibility | <i>No Changes</i> |
| 26.16 | Bridge Load Rating | <i>26-1</i> |
| 26.17 | Review of Non-FDOT Funded Projects (New Construction) ... | <i>No Changes</i> |
| 26.18 | Deviations from Structures Design Guidelines..... | <i>26-1</i> |
| 26.18.1 | Deck Slab Design..... | <i>26-1</i> |

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| 26-A | Bridge Development Report (BDR) Submittal Checklist | <i>No Changes</i> |
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Chapter 27 – Hydraulic Data and U.S. Coast Guard Permits

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| 27.1 | Bridge Hydraulic Report (BHR) | <i>No Changes</i> |
| 27.2 | Bridge Hydraulic Recommendation Sheet (BHRS) | <i>No Changes</i> |
| 27.3 | U.S. Coast Guard Permit | <i>No Changes</i> |
| 27.4 | Scour Considerations | <i>No Changes</i> |
| 27.4.1 | Development of Scour Design Criteria | <i>No Changes</i> |
| 27.4.2 | Submittal Requirements for Scour Design | <i>No Changes</i> |
| 27.5 | Debris Accumulation | <i>No Changes</i> |
| 27.6 | Widenings | <i>No Changes</i> |
| 27.7 | Scour Elevations | <i>No Changes</i> |

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| 27-A | Structural Plans Development | <i>No Changes</i> |
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Chapter 28 – Shop and Erection Drawings

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| 28.1 | Introduction | 28-1 |
| 28.2 | Drawing Submittals Required | 28-1 |
| 28.3 | Contractor Information Required | <i>No Changes</i> |
| 28.4 | Submittals Requiring a Specialty Engineer | 28-1 |
| 28.5 | Scheduling of Submittals | 28-1 |
| 28.6 | Transmittal of Submittals | 28-1 |
| 28.6.1 | General Submittal Requirements | 28-2 |
| 28.6.2 | Requirements for Department EOR | <i>No Changes</i> |
| 28.6.3 | Requirements for Consultant EOR (Full Services) | <i>No Changes</i> |
| 28.6.3.1 | Review by Engineer of Record only | <i>No Changes</i> |
| 28.6.3.2 | Review by Engineer of Record and the Department | <i>No Changes</i> |
| 28.6.4 | Requirements for Consultant EOR (Design Services Only) | <i>No Changes</i> |
| 28.6.5 | Requirements for Architectural or Building Structures ... | <i>No Changes</i> |
| 28.6.6 | Requirements for Roadway Submittal Items | <i>No Changes</i> |
| 28.6.7 | Requirements for Overhead Sign Structures and Nonstandard Miscellaneous Structures | <i>No Changes</i> |
| 28.6.8 | Miscellaneous Requirements and Assistance | <i>No Changes</i> |
| 28.7 | Disposition of Submittals | <i>No Changes</i> |
| 28.7.1 | Minor Modifications | <i>No Changes</i> |
| 28.7.2 | Major Modifications | <i>No Changes</i> |
| 28.8 | Segmental Bridges - Shop Drawing Checklist | <i>No Changes</i> |
| 28.8.1 | Construction Methods and Sequence (Overall Scheme) .. | <i>No Changes</i> |
| 28.8.2 | Casting Curves and Geometry Control | <i>No Changes</i> |

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| 28.8.3 | Post-Tensioning System and Computation | <i>No Changes</i> |
| 28.8.4 | Segment Shop Drawings | <i>No Changes</i> |
| 28.8.5 | Erection Equipment | <i>No Changes</i> |
| 28.9 | Distribution of Submittals | 28-4 |
| 28.10 | Review of Prequalified Joint Welding Procedures | <i>No Changes</i> |
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| 28.11.1 | Shop Drawing Website | 28-3 |
| 28.12 | Archiving Record Shop Drawings | <i>No Changes</i> |

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| 28.1 | FDOT Changes to Minor Modifications | <i>No Changes</i> |
| 28.2 | FDOT Changes to Major Modifications | <i>No Changes</i> |
| 28.3 | Shop Drawing Distribution Schedule | <i>No Changes</i> |

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| 28-B | Shop Drawing Flow Diagram for EOR & DOT Review (Structural Items) | <i>No Changes</i> |
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| 29.4 | Design of Mast Arm Assemblies and Foundations | <i>No Changes</i> |
| 29.4.1 | General Requirements | <i>No Changes</i> |
| 29.4.2 | Standard Mast Arm Assemblies | <i>No Changes</i> |
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| 29.4.4 | Special Mast Arm Assemblies | <i>No Changes</i> |
| 29.4.5 | Anchor Bolt Installation on Existing Foundations | <i>No Changes</i> |
| 29.4.6 | Design of Monotube Signal Structures and Foundations..... | <i>No Changes</i> |
| 29.5 | Structural Design of Aluminum Light Poles | <i>No Changes</i> |

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| 29.5.1 | General Requirements | <i>No Changes</i> |
| 29.5.2 | Standard Aluminum Light Poles and Foundations | <i>No Changes</i> |
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| 29.1 | (Showing Actual Signs) | <i>No Changes</i> |
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Chapter 30 – Retaining Walls

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| 30.2 | Conventional (CIP) Retaining Walls and Proprietary Retaining Walls (Permanent Walls) | <i>No Changes</i> |
| 30.2.1 | Retaining Walls (Conventional Design)..... | <i>No Changes</i> |
| 30.2.2 | Retaining Walls (Proprietary Design) (Design Required in Contract Plans) | <i>No Changes</i> |
| 30.2.3 | Retaining Walls (Proprietary Design) (Design not Required in Contract Plans - Control Plans only) | <i>No Changes</i> |
| 30.2.4 | Wall System Selection | <i>No Changes</i> |
| 30.3 | Critical Temporary Walls | <i>No Changes</i> |

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| 30.4 | Experimental Wall Projects | <i>No Changes</i> |
| 30.5 | Shop Drawing Review | <i>No Changes</i> |
| 30.6 | Bidding Procedure | <i>No Changes</i> |

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| 30.1 | Proprietary Retaining Walls | <i>No Changes</i> |
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| 30-A | Sample Invitation Letter | <i>No Changes</i> |
| 30-B | Sample Letter | <i>No Changes</i> |
| 30-C | Procedure for Wall System Selection | <i>No Changes</i> |

Chapter 31 – Geosynthetic Design

| | | |
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| 31.2 | Contract Plans Content | <i>No Changes</i> |
| 31.3 | Bid Procedure | <i>No Changes</i> |
| 31.4 | Shop Drawings / Redesigns | <i>No Changes</i> |
| 31.5 | Geosynthetic Reinforcement Design Methodology | <i>No Changes</i> |
| 31.5.1 | Design Considerations | <i>No Changes</i> |
| 31.5.2 | Requirements | <i>31-1</i> |
| 31.5.3 | Design Guidelines | <i>No Changes</i> |

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| 31-A | Geosynthetic Reinforced Soil Slopes | <i>No Changes</i> |
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Chapter 32 – Sound Barrier Walls

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| 32.1 | General Requirements..... | <i>No Changes</i> |
| 32.2 | Noise Study Report Addendum..... | <i>No Changes</i> |
| 32.3 | Noise Abatement Criteria..... | <i>No Changes</i> |
| 32.4 | Public Involvement..... | <i>No Changes</i> |
| 32.5 | Final Noise Abatement Commitments..... | <i>No Changes</i> |
| 32.6 | Design of Sound Barrier Walls..... | <i>No Changes</i> |
| 32.7 | Geotechnical Investigation..... | <i>No Changes</i> |
| 32.8 | Preparation of Control Drawings..... | <i>No Changes</i> |
| 32.9 | Detail Drawings..... | <i>No Changes</i> |

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