2016 Revision Summary

Standard Plan C-1 Beam Guardrail Types 1 ~ 4 (W-Beam) – Guardrail height revised (modify Type 1 guardrail height to 28”) and plan references updated.

Standard Plan C-1c Beam Guardrail – Guardrail height revised (modify Type 1 guardrail height to 28”) and plan references updated.

Standard Plan C-2k Guardrail Placement 12’ – 6” Span (Cases 19A & 19B) – Guardrail height revised (modify Type 1 guardrail height to 28”) and plan references updated.

Standard Plan C-2n Guardrail Placement 18’ – 9” Span (Case 20) – Guardrail height revised (modify Type 1 guardrail height to 28”) and plan references updated.

Standard Plan C-4b Beam Guardrail Flared Terminal – Guardrail height revised (modify Type 1 guardrail height to 28”) and plan references updated.

Standard Plan C-4e Beam Guardrail Non-Flared Terminal – Guardrail height revised (modify Type 1 guardrail height to 28”) and plan references updated.

Standard Plan C-6 Beam Guardrail Anchor Type 1 – Guardrail height revised (modify Type 1 guardrail height to 28”) and plan references updated.

Standard Plan C-6c Beam Guardrail Anchor Type 4 – Guardrail height revised (modify Type 1 guardrail height to 28”) and plan references updated.

Standard Plan C-6d Beam Guardrail Anchor Type 5 – Guardrail height revised (modify Type 1 guardrail height to 28”) and plan references updated.

Standard Plan C-6f Beam Guardrail Anchor Type 7 – Guardrail height revised (modify Type 1 guardrail height to 28”) and plan references updated.

Standard Plan C-8b Concrete Barrier Light Standard Section – Mark 2 # 4 Reinforcing bar in barrier foundation base is revised to transverse above mark 3 # 4 reinforcing bars. The hole diameters of the anchor plate are revised to 1-1/8” diameter. Added guidance for the grout pad. Anchor plate material requirements have been added. Revised galvanizing requirements for the anchor bolt assembly. Added hardware standoff guidance. Headed bolt detail has been deleted, guidance for the threaded rod option added to the Anchor Bolt Detail. Minor drafting clarifications.

Standard Plan C-10 Box Culvert Guardrail Steel Post – Guardrail height revised (modify Type 1 guardrail height to 28”) and plan references updated.

Standard Plan C-22.14-04 Beam Guardrail Type 1 Buried Terminal Type 2 – Guardrail height revised (modify Type 1 guardrail height to 28”) and plan references updated.

Standard Plan C-22.40-05 Beam Guardrail Type 31 Non-Flared Terminal (All Posted Speeds) – Plan revised to reflect selection of Non-Flared Terminals available for use.

Standard Plan C-22.45-02 Beam Guardrail Type 31 Non-Flared Terminal (Posted Speed 45 MPH and Below) – Plan revised to reflect selection of Non-Flared Terminals available for use.

Standard Plan C-25.80-04 Beam Guardrail Type 31 to Beam Guardrail Type 1 Adaptor – Guardrail height revised (modify Type 1 guardrail height to 28”) and plan references updated.

Standard Plan D-3.17-02 Permanent Geosynthetic Wall Expansion Joint Details - Dimension added to find 16(s) at the expansion joint of the Expansion Joint Detail.

Standard Plan D-15.20-03 Traffic Barrier Details for Reinforced Concrete Retaining Walls - Revised the barrier chamfer and barrier transition.

Standard Plan F-10.40-03 Extruded Curb Placement – Extruded Curb at Cut Slope section is Deleted. Revised the title of section – **"**Extruded Curb at Beam Guardrail**"** (deleted "Type 1"), plan references have been added to callout in section.

Standard Plan F- 40.12-03 Parallel Curb Ramp – Plan is revised to support WSDOT policy regarding guardrail systems. Changes align with guardrail height revisions (modify Type 1 guardrail height to 28") to the WSDOT Design manual, chapter 1610 Traffic Barriers. Plan references have also been updated. General note 3 has been revised.

Standard Plan F- 40.14-03 Combination Curb Ramp – Plan is revised to support WSDOT policy regarding guardrail systems. Changes align with guardrail height revisions (modify Type 1 guardrail height to 28") to the WSDOT Design manual, chapter 1610 Traffic Barriers. Plan references have also been updated. General note 3 has been revised.

Standard Plan F-40.15-03 Perpendicular Curb Ramp – Plan is revised to support WSDOT policy regarding guardrail systems. Changes align with guardrail height revisions (modify Type 1 guardrail height to 28") to the WSDOT Design manual, chapter 1610 Traffic Barriers. Plan references have also been updated. General note 3 has been revised.

Standard Plan F-40.16-03 Single Direction Curb Ramp – Plan is revised to support WSDOT policy regarding guardrail systems. Changes align with guardrail height revisions (modify Type 1 guardrail height to 28") to the WSDOT Design manual, chapter 1610 Traffic Barriers. Plan references have also been updated. General note 4 has been revised.

Standard Plan F-45.10-02 Detectable Warning Surface – Notes 1, 2 & 8 have been revised to further clarify guidance.

Standard Plan F-80.10-04 Cement Concrete Driveway Entrance Types 1, 2, 3, & 4 – .Ramp/sidewalk slopes revised and Legend items added. Note 6 revised to further clarify guidance. Diamond Note 1 added to further clarify guidance regarding contraction joints.

Standard Plan G-24.40-06 Steel Sign Support Types SB-1, SB-2 & SB-3 Installation Details – Revised reference callout – Elevation, sheets 1 & 3. Added Note 7, sheets 1 & 3.

Standard Plan G-70.20-03 Sign Bridge (Truss-Type) Foundation Type 1 – Grounding conductor callout is revised to denote 3' – 0" dimension as a minimum. Added callout to state "conduit at both ends of bridge". Dimension from ground to top of conduit is revised.

Standard Plan G-70.30-03 Sign Bridge (Truss-Type) Foundation Type 2 & 3 – Grounding conductor callout is revised to denote 3' – 0" dimension as a minimum. Added callout to state "conduit at both ends of bridge. Dimension from ground to top of conduit is revised. Added dimension and installation callouts for grounding conductor location in foundation.

Standard Plan G-90.10-02 Overhead Sign Bracing and Mounting- All views and the table pertaining to overhead sign lighting have been removed from this plan, see new plan G-90.11 for Overhead Sign Lighting Bracing guidance. The Vertical Brace spacing table has been removed. Elevation view has been simplified to depict typical guidance regardless of sign dimensions. Details added (from other Overhead signing plans) to group all detailing regarding overhead sign vertical bracing in one location. Note 1 has been removed, and remaining notes re-numbered. Note 4 has been added.

Standard Plan G-90.11-00 Overhead Sign lighting Bracing (New Plan) - All views and the table pertaining to overhead sign lighting have been captured on this new plan for Overhead Sign Lighting Bracing guidance.

Standard Plan G-90.20-04 Overhead Sign Mounting (Monotube Structure) - Detail A has been relocated to G-90.10. All other detailing and views match previous version (revision level) of G-90.20. Re-organizing of content has occurred. Note 2 has been revised. Note 9 has been added.

Standard Plan G-90.30-03 Overhead Sign Mounting (Truss Structure) - Detail A has been relocated to G-90.10. All other detailing and views match previous version (revision level) of G-90.30. Re-organizing of content has occurred. Note 2 has been revised. Note 7 has been added.

Standard Plan G-90.40-02 Overhead Sign Lighting Details - Detail A has been relocated to G-90.10. Windbeam Connection Detail and Horizontal Sign Panel Splice detail have been relocated to G-90.10. The Vertical Brace – side view has been removed. All other detailing and views match previous version (revision level) of G-90.40. Re-organizing of

content has occurred. Note 3 has been added. Callout Referencing connection to overhead structure Std. Plans G-90.20 and G-90.30 has been added to the Luminaire Bracket -Side View.

Standard Plan I-80.10-02 Miscellaneous Erosion Control Details – Stabilized Construction Entrance has been extensively revised. Temporary Sediment Trap, section symbol "A" is revised, view added for clarity.

Standard Plan J-10.20-01 Service Cabinet Type B Modified (0-200 Amp Type 120/240 Single Phase) - Clarification has been provided for strut mount support system. Added strut mount support details. Added two post mount option to wood post service cabinet mounting details. Revised spacing dimension and added spacing table for distances between cabinet types. 2 plan sheets added to distribute detailing in a logical fashion.

Standard Plan J-26.10-03 Traffic Signal Standard Foundation – Note 5 is revised to replace the phrase "Ecology Embankment" with "Media Filter Drain". Clarification added regarding excavation guidance (Bullet Note 1 added with callouts) and overburden note removed from the Elevation View – Alternate #2. For consistency, Plan title has been revised.

Standard Plan J-27.10-01 Type 4 and 5 Strain Pole Foundation – Note 4 is revised to replace the phrase "Ecology Embankment" with "Media Filter Drain". Clarification added regarding excavation guidance (Bullet Note 1 added with callouts) and overburden note removed from the Elevation View – Alternate #2

Standard Plan J-28.45-03 Steel Light Standard Elbow Mounting on Bridge & Retaining Wall – Plan has been revised to add a second sheet, due to added detailing. Callout for Heavy hex bolt (at pole base plate) has been revised to 8-1/2" long. Heavy hex bolt (at pole base plate) material spec. option has been removed and galvanizing spec. is revised. Option added for thickness of "Fabreeka" pad. Dimensional limit at elbow and bottom of pole base plate has been revised. Height of steel band is revised to 4" in callout – Section B. Note 4 has been added. Dimension added to sections from bottom of hand hole to top of pole base plate. "Heavy hex" has been added to callouts for nuts at bridge barrier connection assemblies. Material spec. has been removed from callouts for hardware at bridge barrier connection assemblies. Grounding and bonding wiring has been added to Typical Sections. Detail C and Conduit detail have been added.

Standard Plan J-28.50-03 Steel Light Standard Pole Base and Hand Hole Details – Dimensional guidance from hand hole to top of pole Base Plate has been revised in Elevation view. Callout and Diamond note 3 has been revised in Section D.

Standard Plan J-28.60-02 Steel Light Standard Barrier Mounted Base – Callout for tack weld at Backup Ring has been revised in Section B. Grout at Placement Detail has been revised.

Standard Plan J-28.70-02 Steel Light Standard Wiring Details – Detail A, subtitle is revised to read; RMC Conduit. Diamond notes 4 and 6 have been revised. Dimension from Junction Box to luminaire pole has been revised in elevation. Callout of Light Standard Base has been revised. Std. Spec. reference note has been removed. Typical Callouts and dimension added to Base Wiring Detail for Single Mast Arm detail. Base Wiring Detail for Single Mast Arm detail and Base Wiring Detail for Double Mast Arms detail subtitle notes revised. Details C and D callouts revised.

Standard Plan J-29.10-01 Type CCTV Traffic Signal Standard (Camera Pole) Foundation Details – Note 3 is revised to replace the phrase "Ecology Embankment" with "Media Filter Drain". Coupling added to conduit stubout. Diamond Notes 1 and 2 added to clarify grounding guidance. Welded Galvanized Cloth Screen Detail title revised for consistency and reference added to detailing. Clarification added regarding excavation guidance (Bullet Note 1 added with callouts). Plan title has been revised for clarification.

Standard Plan J-29.15-01 Type CCTV Traffic Signal Standard (Camera Pole) – Welded Galvanized Cloth Screen callout revised for consistency. Plan title has been revised for clarification.

Standard Plan J-29.16-02 Type CCTV Traffic Signal Standard (Camera Pole) Elbow Details – Plan title has been revised for clarification. Note 5, dimension (height) of band has been revised. Specification reference has been added to callout, View B. Clarification added to centerline callout.

Standard Plan J-40.05-00 Existing Junction Box Retrofit Grounding Details (New Plan) – Formerly, Sheet 4 of 4, From Standard Plan J-60.05. HQ Traffic has deemed these details are better suited to being a standalone plan addressing retrofit conditions.

Standard Plan J-40.10-04 Locking Lid Standard Duty Junction Box Types 1 & 2 - Specified dimension from grounded end bushing to interior structure wall. Revised Welded Wire Reinforcement (WWR) to Weld Wire Fabric (WWF) for Specification consistency. Revised Notes 2 & 7. Revised Cover Marking Detail.

Standard Plan J-40.20-03 Heavy-Duty Junction Box Types 4, 5, & 6 - Revised Type 5 Junction Box dimensions to ease manufacturing. Specified dimension from grounded end bushing to interior structure wall. Revised Welded Wire Reinforcement (WWR) to Weld Wire Fabric (WWF) for Specification consistency. Revised Welded Wire Fabric requirements. Revised stainless steel hardware requirements. Revised Notes 6 & 9. Revised Cover Marking Detail.

Standard Plan J-40.30-04 Locking Lid Standard Duty Junction Box Type 8 - Specified dimension from grounded end bushing to interior structure wall. Revised Welded Wire Reinforcement (WWR) to Weld Wire Fabric (WWF) for Specification consistency. Revised stainless steel hardware requirements. Revised Notes 2, 8, & 10. Revised Cover Marking Detail.

Standard Plan J-40.40-01 Nema 4X Junction Box in Sidewalk Located on Structure - Removed mounting tabs from elevation view for clarity. Added dimension to Detail A. Revised Note 4.

Standard Plan J-60.05-01 Typical Grounding Details – Key notes 18 and 37 have been revised. Section C, D & E have been deleted. Sheet 2, schematics revised to depict grounding. Plan references updated in sections (reference to concrete foundation details). Sheet 4 of 4 deleted (see new plan created above).

Standard Plan J-75.40-02 Overhead Sign Electrical Details (Monotube Structure) – Notes 5, 8, and 9 have been revised. Note 7 is revised to add plan reference. Hand holes callouts – added references to notes 8 & 9. Hand holes shown in elevation view at juncture of horizontal and vertical monotube structure. Callout revised at conduit below grade. Detail C is revised to add dimensional requirements regarding pole and bracket cable and dimensional limit for bushing height.

Standard Plan J-75.41-01 Signal Bridge Standard Electrical Details – Note 1 has been revised. Notes 8 and 9 are revised to use typical terms for consistency with other plans. Sign Mounting Notes (sheet 4), Note 1 is revised and notes 4 and 5 have been added. Component sizes have been removed, and component callouts have been revised to generic terms.

Standard Plan J-75.45-02 Overhead Sign Electrical Details (Truss Structure) – Notes 4 and 7 have been revised. Note 6 is revised to add plan reference. Detail D is revised to add guidance regarding the pole and bracket cable. All callouts referring to the screen guard have been removed and replaced with a plan reference to J-75.40 for detailing.

Standard Plan J-90.10-02 Pull Box - Removed location wire and applicable guidance. Updated Isometric Cutaways, Internal Oblique View, View C, and Cover Marking Detail. Added Pipe Hanger material requirements. Revised Notes 1, 2, 4, 5, 6, 7, and 11. Added Notes 13 and 14.

Standard Plan J-90.20-02 Cable Vault - Removed location wire and applicable guidance. Updated Isometric Cutaways, Internal Oblique View, View C, and Cover Marking Detail. Added Pipe Hanger material requirements. Revised Notes 1, 2, 4, 5, 6, 7, and 11. Added Notes 13 and 14.

Standard Plan J-90.21-01 Small Cable Vault - Removed location wire and applicable guidance. Updated Isometric Cutaway, Internal Isometric View, End View, and Cover Marking Detail. Added Pipe Hanger material requirements. Revised Notes 1, 3, 4, 5, and 6. Removed Notes 12 and 13.

Standard Plan K-70.20-01 Temporary Pavement Marking ~ Short Duration – Revised the Plan title, material callout clarifications have been added, General Notes have been revised.

Standard Plan K-80.10-01 Class A Construction Signing Installation – Revised dimensional guidance.

Standard Plan M-20.30 -04 Longitudinal Marking Supplement with Raised Pavement Markers – Symbol denoting the direction of traffic flow in Section B of the One-Way Roadway Recessed Pavement Marker Details is revised.