**Summary of Revisions – C series Standard Plans**

**Standard Plan C-1b Beam Guardrail Post and Blocks** – The opportunity to address several discrepancies on this plan presented itself to us as a teaching tool this last summer. We were fortunate to have an intern working for us and I had him develop his drafting skills revising this plan. We have attempted to rearrange the existing content in a more logical order. Also we added details to clarify the requirements for Note 5 which were not shown on the plan.

**Standard Plan C-10 Box Culvert Guardrail Steel Post** – Overall this plan has been formatted (re-drafted) to our current drafting standards. The content of the plan remains unchanged, except for minor revisions listed, we have attempted to rearrange the content in a more logical order. Dimension within the COVER PLATE DETAIL has been revised from 8” to 3”. Dimension within the POST BEARING PLATE DETAIL has been revised from 5” to 5 1/2”. Reference to Standard Plan C-2i has been added to Note 5 for clarification.

**Standard Plan C-16a Traffic Barrier Shoulder Widening ~ For Shoulders 8.0’ and Wider** – Revised titles for Beam Guardrail details, adding “Type 1” to clarify which application to use these with. Added Note 1 for further clarification.

**Standard Plan C-16b Traffic Barrier Shoulder Widening ~ For Shoulders less than 8.0’ Wide** – Revised titles for Beam Guardrail details, adding “Type 1” to clarify which application to use these with. Added Note 3 for further clarification.

**Standard Plan C-22.14-01 Beam Guardrail Type 1 Buried Terminal Type 2** – Revised Section C, deleted Dimension 1’ – 0” MIN. from bank top to top of guardrail. Added Dimension 4’ – 0” MIN. ABOVE ROADWAY from bank top to roadway surface.

**Standard Plan C-22.16-01 Beam Guardrail Type 31 Buried Terminal Type 2** – Revised Section C, deleted Dimension 1’ – 0” MIN. from bank top to top of guardrail. Added Dimension 4’ – 0” MIN. ABOVE ROADWAY from bank top to roadway surface.

**Standard Plan C-22.40-02 Beam Guardrail Non-Flared Terminal Steel Posts (All Posted Speeds)** – Plan has been revised to accommodate using steel posts in lieu of wood posts. The model numbers for proprietary items have changed to reflect the use of steel posts. The pay limits have been revised based on the system changes.

**Standard Plan C-40.14-01 Barrier Placement Cable to Thrie Beam Bull Nose Connection** – Note 1 and plan references to note 1 were deleted. The note was causing confusion amongst users.

**Standard Plan C-40.16-01 Barrier Placement ~ Cable to W-Beam Shielding for Redirectional Landform** – Note 1 and plan references to note 1 were deleted. The note was causing confusion amongst users.
Summary – D series

Standard Plan D-3 Permanent Geosynthetic Wall Types 1~6 – This revision was required to comply with changes to AASHTO seismic design requirements, as well as to conform to AASHTO/FHWA Design mandates which switched from utilizing Allowable Stress Design (ASD) to using Load and Resistance Factor Design (LRFD). This revision also addresses an issue regarding description of the above wall soil surcharge. This was causing confusion and was hindering the contractors in properly selecting the soil reinforcement layering and strengths needed in past projects.

Standard Plan D-3.10-00 Cast-In-Place Permanent Geosynthetic Wall Fascia and Facing (formerly D-3a) - This revision adds a table with structural requirements for Cast-In-Place Geosynthetic Walls.

Standard Plan D-3.11-00 Precast Permanent Geosynthetic Wall Fascia - This revision was made in response to requests from both WSDOT construction staff and Contractors for a precast alternative for our Standard Plan Geosynthetic Retaining Walls.
Summary Revisions – F series Standard Plan

The revisions to this set of plans is in regards to complying with FHWA and WSDOT policy regarding the Americans with Disabilities Act of 1990 (ADA) to address providing readily accessible access to all individuals using pedestrian facilities on projects.

Standard Plan F-10.12-01 Cement Concrete Curbs  
Standard Plan F-30.10-01 Cement Concrete Sidewalk  
Standard Plan F-40.12-01 Parallel Curb Ramps  
Standard Plan F-40.14-01 Combination Curb Ramps  
Standard Plan F-40.15-01 Perpendicular Curb Ramps  
Standard Plan F-40.16-01 Single Direction Curb Ramps  
Standard Plan F-45.10-00 Detectable Warning Surface  
Standard Plan F-80.10-01 Cement Concrete Driveway Entrance Types 1, 2, 3 & 4
Summary of Revisions – Traffic Standard Plans

Standard Plan J-10.10-00 Cabinet Orientation, Conduit Layout and Foundation Details – A version of these plans have been available previously on the Traffic Design Details web site, under the Service Cabinet Details section (Details 8.01E – 8.04E). Due to the frequency these details are used on projects we have developed the existing details into a Standard Plan.

Standard Plan J-15.15-00 Span Wire Installation – Revision to this plan was warranted to address current requirements for Span Wire Installations. We have added options for the guy support system. We have also added tables with Rake and Clearance criteria.

Standard Plan J-21.10-01 Type PS, Type 1, RM & FB Signal Standard Foundation Details – Quantity of hardware (nuts & flat washers) required for the square cement concrete foundation detail - fixed base has been revised from 8 required to 4 required. Added tack weld requirements to the strap template detail to provide clarification of requirements.

Standard Plan J-22.16-01 Ramp Meter Signal Standard Electrical Details – The “wiring diagram” shown in Detail B has been revised, the wiring shown to the red and yellow signals were reversed.

Standard Plan J-26.10-00 Signal Standard Foundation Plan - A version of this plan was developed in 2006 for the Plan Sheet Library (IS-13), to address requirements when providing a Signal Standard. Due to the frequency this plan is used on projects IS-13 Signal Standard Foundation Detail sheets is being re-worked, and a large portion of the content has been developed into this Standard plan as well as Standard Plan J-26.15-00 Signal Standard Foundation Placements. 

Note: IS-13 is still active, but has been revised to only address Signal Standard (Types PPB, Ps, Type I, II, III and SD Standard) requirements.


Standard Plan J-40.30-01 Locking Lid Standard Duty Junction Box Type 8 – Revised Diamond note 2, Copper Split Bolt Clamp has been revised to Copper Solderless Crimp Connection which is the proper type used.

Standard Plan J-40.36-00 (formerly J-16a) Junction Box, Traffic Barrier Mounted – Assigned new seven character plan number.

Standard Plan J-40.37-00 (formerly 621E & 622E) Nema 3R Adjustable Flush Mount Junction Box – This plan was formerly part of the Signals, Illumination & ITS Detail Library located on the WSDOT Traffic Design web site. Due to its frequent use it has become a Standard Plan.

Standard Plan J-60.13-00 Stainless Steel Channel – Depicts requirements for supporting piping systems (conduit) on a structure.

Standard Plan J-60.14-00 Stainless Steel Channel Mounting Details on Columns and Poles – Depicts requirements for anchoring piping systems (conduit) on a structures.

Standard Plan M-40.10-01 Guide Posts and Barrier Delineation – Revised to show details and requirements for guide post mounting on steel guardrail posts.