

Section C

Greetings-

The attached Standard Plans are all from Section C of the manual. Please note we have revised the Case names by adding the suffix "-31" to clarify use with Type 31 Beam Guardrail. In addition to revising Case names we have added placement cases in a response to demand and revised some current plans to clarify requirements (a summary of revisions follows the standard plan number and title below):

Standard Plan C-1a Beam Guardrail (Thrie Beam) - Type 10 (deleted misplaced callout), Type 11 (added callout and revised button head bolt length)

Standard Plan C-5 Guardrail Connection to Bridge Rail or Conc. Barrier - Updated drawing format to current standards. Clarified pay limits. Revised dimensions and notes for clarification.

Standard Plan C-20.14-01 Beam Guardrail Type 31 Placement (Cases 1-31, 2-31 & 3-31) - Case names changed. Case "5A" moved to C-20.15-00, added New Case 3-31.

Standard Plan C-20.15-00 Beam Guardrail Type 31 Placement (Cases 4-31 & 5-31) - New Case 4-31 included. Case "5A" revised to Case 5-31.

Standard Plan C-20.18-00 Beam Guardrail Type 31 Placement (Cases 10A-31, 10B-31 & 10C-31) - New Cases for Type 31 beam guardrail applications.

Standard Plan C-20.19-00 Beam Guardrail Type 31 Placement (Cases 11A-31, 11B-31 & 11C-31) - New Cases for Type 31 beam guardrail applications.

Standard Plan C-20.40-01 Beam Guardrail Type 31 Placement 12' - 6" (Case 10A/B-31), 18' - 9" (Case 20-31) or 25 - 0" (Case 21-31) Spans - Clarify case numbers with different span lengths.

Standard Plan C-20.42-01 Guardrail Placement Strong Post ~ Type 31 Intersection Design - Cases (names) updated.

Standard Plan C-23.60-01 Beam Guardrail (Type 31) Anchor Type 10 - Thrie Beam version added.

Standard Plan C-25.20-04 Beam Guardrail (Type 31) Transition Section Type 21 - General Note has been revised, the term "F-Shape" has been replaced with the term "Safety" (2x) and added a callout for the block used with the Reducer Element Type C. Plan has been revised to depict only the transition and not show a specific type of barrier to connect to, this will allow the plan to be used for various applications.

Standard Plan C-25.22-03 Beam Guardrail (Type 31) Transition Section Type 22 - Callouts for the posts and blocks used have been revised to clarify the requirements.

Standard Plan C-25.26-01 Beam Guardrail (Type 31) Transition Section Type 23 - Callouts for the posts and blocks used have been revised to clarify the requirements.

Standard Plan C-40.18-01 Barrier Placement ~ Cable Barrier Shielding for Redirectional Landform - Revised to show non-flared terminals for cable system.

Please review these plans and provide your comments and suggestions by **July 31st**. Thank you!

Please address your e-mails to **Bill Berens** berensb@wsdot.wa.gov .

Below is an assessment of the impact these plans will have on our various functional units.

Functional Area	Level of Impact			Comments
	Low	Medium	High	
Project Development		M		
Traffic Operations	L			
Safety	L			
Environmental	L			
Local Agencies	L			
Construction		M		
Maintenance	L			