

**CHAPTER 5**  
**STANDARD DRAWING REVISION LOG**

**B5.2A AASHTO Type 2 Prestressed Girder**

July 2009 Modified the end block reinforcement to comply with AASHTO Article 5.10.10.  
June 2013 Revised end block reinforcement details to indicate reinforcement must be designed.

**B5.2B AASHTO Type 3 Prestressed Girder**

June 2006 Extended the 6" stirrup spacing in the end block to comply with AASHTO Article 5.10.10.2.  
July 2009 Modified the end block reinforcement to comply with AASHTO Article 5.10.10.  
June 2013 Revised end block reinforcement details to indicate reinforcement must be designed.

**B5.2C AASHTO Type 4 Prestressed Girder**

June 2006 Extended the 6" stirrup spacing in the end block to comply with AASHTO Article 5.10.10.2.  
July 2009 Modified the end block reinforcement to comply with AASHTO Article 5.10.10.  
July 2010 Corrected dimension of G1 & G2 bars from 12.5" to 15".  
June 2013 Revised end block reinforcement details to indicate reinforcement must be designed.

**B5.2D Prestressed AASHTO Girder Details**

June 2006 Extended strand for the positive moment connection in the Type C Diaphragm to comply with Article 5.14.1.4 of the LRFD Manual.  
Changed "Abutment Diaphragm Dowel Details" to "Girder End Details" and labeled Type C "Positive Moment Connection".  
July 2009 Added Note 9 for size of strand used in the design.  
Revised Note 5 for lateral restraint until deck is cured.  
Sept 2012 Changed "cut strand" to "extend strand" in Positive Moment Connection Detail.  
March 2015 Added new note 5 for electronic shop drawings.

**B5.2E Pier Diaphragm for AASHTO Girders**

June 2006 Extended strand for the positive moment connection and widened the gap between girder ends to 10".

**B5.3A 30" Bulb Tee Prestressed Girder**

March 2015 Added new sheet

**B5.3B 36" Bulb Tee Prestressed Girder**

July 2009 Modified the end block reinforcement to comply with AASHTO Article 5.10.10.  
June 2013 Revised end block reinforcement details to indicate reinforcement must be designed.  
March 2015 Changed page number

**B5.3C 42" Bulb Tee Prestressed Girder**

July 2009 Modified the end block reinforcement to comply with AASHTO Article 5.10.10.  
June 2013 Revised end block reinforcement details to indicate reinforcement must be designed.  
March 2015 Changed page number

**B5.3D 48" Bulb Tee Prestressed Girder**

June 2006 Extended the 6" stirrup spacing in the end block to comply with AASHTO Article 5.10.10.2.  
July 2009 Modified the end block reinforcement to comply with AASHTO Article 5.10.10.  
June 2013 Revised end block reinforcement details to indicate reinforcement must be designed.  
March 2015 Changed page number

**B5.3E 54" Bulb Tee Prestressed Girder**

June 2006 Extended the 6" stirrup spacing in the end block to comply with AASHTO Article 5.10.10.2.  
July 2009 Modified the end block reinforcement to comply with AASHTO Article 5.10.10.  
June 2013 Revised end block reinforcement details to indicate reinforcement must be designed.  
March 2015 Changed page number

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**B5.3F 60" Bulb Tee Prestressed Girder**

June 2006      Extended the 6" stirrup spacing in the end block to comply with AASHTO Article 5.10.10.2.  
July 2009      Modified the end block reinforcement to comply with AASHTO Article 5.10.10.  
June 2013      Revised end block reinforcement details to indicate reinforcement must be designed.  
March 2015      Changed page number

**B5.3G 66" Bulb Tee Prestressed Girder**

June 2006      Extended the 6" stirrup spacing in the end block to comply with AASHTO Article 5.10.10.2.  
July 2009      Modified the end block reinforcement to comply with AASHTO Article 5.10.10.  
June 2013      Revised end block reinforcement details to indicate reinforcement must be designed.  
March 2015      Changed page number

**B5.3H 72" Bulb Tee Prestressed Girder**

June 2006      Extended the 6" stirrup spacing in the end block to comply with AASHTO Article 5.10.10.2.  
July 2009      Modified the end block reinforcement to comply with AASHTO Article 5.10.10.  
June 2013      Revised end block reinforcement details to indicate reinforcement must be designed.  
March 2015      Changed page number

**B5.3I WF42G Prestressed Girder**

July 2009      Added new standard drawing.  
June 2013      Revised end block reinforcement details to indicate reinforcement must be designed.  
Revised bearing plate to 36" square to accommodate difference in bottom flange chamfers.  
March 2015      Changed page number

**B5.3J WF50G Prestressed Girder**

July 2009      Added new standard drawing.  
June 2013      Revised end block reinforcement details to indicate reinforcement must be designed.  
Revised bearing plate to 36" square to accommodate difference in bottom flange chamfers.  
March 2015      Changed page number

**B5.3K WF58G Prestressed Girder**

July 2009      Added new standard drawing.  
June 2013      Revised end block reinforcement details to indicate reinforcement must be designed.  
Corrected top flange cantilever dimension.  
Revised bearing plate to 36" square to accommodate difference in bottom flange chamfers.  
March 2015      Changed page number

**B5.3L WF66G Prestressed Girder**

July 2009      Added new standard drawing.  
June 2013      Revised end block reinforcement details to indicate reinforcement must be designed.  
Corrected top flange cantilever dimension.  
Revised bearing plate to 36" square to accommodate difference in bottom flange chamfers.  
March 2015      Changed page number

**B5.3M WF74G Prestressed Girder**

July 2009      Added new standard drawing.  
June 2013      Revised end block reinforcement details to indicate reinforcement must be designed.  
Corrected top flange cantilever dimension.  
Revised bearing plate to 36" square to accommodate difference in bottom flange chamfers.  
March 2015      Changed page number

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**B5.3N WF83G Prestressed Girder**

July 2009 Added new standard drawing.  
June 2013 Revised end block reinforcement details to indicate reinforcement must be designed.  
Corrected top flange cantilever dimension.  
Revised bearing plate to 36" square to accommodate difference in bottom flange chamfers.  
March 2015 Changed page number

**B5.3O Prestressed Bulb Tee Girder Details**

June 2006 Renumbered the sheet and extended strand for the positive moment connection in the Type C Diaphragm to comply with Article 5.14.1.4 of the LRFD Manual.  
Changed "Abutment Diaphragm Dowel Details" to "Girder End Details" and labeled Type C "Positive Moment Connection".  
July 2008 Added Note 12 for size of strand used in the design.  
July 2009 Renumbered the sheet from B5.3O to B5.3U.  
Added Note 9 for size of strand used in the design.  
Revised Note 5 for lateral restraint until deck is cured.  
Sept 2012 Changed "cut strand" to "extend strand" in Positive Moment Connection Detail.  
Changed "BT37 & BT48" to "Bulb Tee Series" and "WF" to "WF Series" in Positive Moment Connection Detail.  
March 2015 Changed page number to B5.3O.  
Added lift loop location.  
Added new note 5 for electronic shop drawings.  
Revised note 6 for adding temporary strands in the top flange for handling.

**B5.3P Temporary Diaphragm Details**

June 2006 Renumbered the sheet.  
July 2009 Renumbered the sheet from B5.3P to B5.3V.  
May 2014 Lowered the hole for the top brace from 9" to 12" to get the assembly below the fillet for the WF Series girders.  
Added the WF data to the Lower Connection Plate Detail.  
Added a G13-#4 bar for the WF girder.  
March 2015 Changed page number

**B5.3Q Pier Diaphragm for Bulb Tee Girders**

June 2006 Renumbered the sheet, extended the strand for the positive moment connection, and widened the gap between girder ends to 10".  
July 2009 Renumbered the sheet from B5.3Q to B5.3W.  
March 2015 Changed page number

**B5.4A Typical Deck Bulb Tee Section & Details**

June 2006 Added new standard drawing.  
July 2009 Corrected spelling of Bulb Tee in title block  
Corrected wording in Note 6("one" to "when")  
Added Note 14 placing girders perpendicular to the cross-slope.  
Changed intermediate diaphragm reinforcement G9, G9A, D1, & D2 to #4  
Specified G9 & G9A bars @ maximum 12" spacing  
June 2013 Revised reference in Note 8 to subsection 705.02 for 2012 Standard Specifications.  
March 2015 Revised note 10 for spray-applied concrete waterproof membrane.

**B5.4B Prestressed Deck Bulb Tee Girder**

June 2006 Added new standard drawing.  
April 2008 Defined "W"  
Changed G14 to #4  
Computed max. spacing for G11 & G12 flange reinforcement

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July 2009 Modified Reinforcement Diagram Sketch for G1, G5, G5A, G11, G13, & G14.  
Modified Reinforcement Diagram Sketch for G6 & G8  
Added G9 & G9A bars to Reinforcement Diagram  
Added spacing of intermediate diaphragm bars in the Elevation view  
July 2010 Added confinement length "Y" and Bursting Reinforcement length "Z" to End Reinforcement Detail  
Standardized G12 bar to #6@6½" and added G12A for exterior girder.  
Added note for bundling #4 bar with G12 within 8' of joint/discontinuity of parapet.

**B5.4C Prestressed Deck Bulb Tee Girder Details**

June 2006 Added new standard drawing.  
July 2009 Added Note 11 for size of strand used in the design.  
Added Notes 12 & 13 for deflection data  
Modified Deflection Data Table for ΔD  
July 2010 Deleted the 5' dimension for length of splayed bar area and made it a variable.  
March 2015 Added new note 5 for electronic shop drawings.

**B5.5A 1'-0" Prestressed Solid Slab**

June 2013 Changed top mat reinforcement cover to 2½".  
Added 4-G2#4 bars at top of section.  
Added Note 5 for design of end block reinforcement  
Revised location of top row of prestress reinforcement.

**B5.5B 1'-3" Prestressed Voided Slab**

June 2013 Changed top mat reinforcement cover to 2½".  
Added 4-G2#4 bars at top of section.  
Added Note 5 for design of end block reinforcement  
Revised location of top row of prestress reinforcement.

**B5.5C 1'-3" Prestressed Solid Slab**

Feb 2012 Deleted void and vent hole details shown on the drawings.  
June 2013 Changed top mat reinforcement cover to 2½".  
Added 4-G2#4 bars at top of section.  
Added Note 5 for design of end block reinforcement  
Revised location of top row of prestress reinforcement.

**B5.5D 1'-6" Prestressed Solid Slab**

Feb 2012 Deleted void and vent hole details shown on the drawings.  
June 2013 Changed top mat reinforcement cover to 2½".  
Added 4-G2#4 bars at top of section.  
Added Note 5 for design of end block reinforcement  
Revised location of top row of prestress reinforcement.

**B5.5E 1'-9" Prestressed Solid Slab**

Feb 2012 Deleted void and vent hole details shown on the drawings.  
June 2013 Changed top mat reinforcement cover to 2½".  
Added 4-G2#4 bars at top of section.  
Added Note 5 for design of end block reinforcement  
Revised location of top row of prestress reinforcement.

**B5.5F 2'-2" Prestressed Voided Slab**

June 2006 Extended the 6" stirrup spacing in the end block to comply with AASHTO Article 5.10.10.2.  
June 2013 Changed top mat reinforcement cover to 2½".  
Added 4-G2#4 bars at top of section.  
Added Note 5 for design of end block reinforcement  
Revised location of top row of prestress reinforcement.

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**B5.5G Typical Prestressed Slab Details**

June 2006      Corrected the reference in Note 10 to paragraph H to conform to the 2004 Standard Specifications.  
July 2009      Added Note 19 for size of strand used in the design.  
June 2013      Corrected Detail A.  
                    Added Self Consolidating Concrete note to Note 9.  
March 2015     Added new note 14 for electronic shop drawings.

**B5.7A Box Girder Details**

June 2006      Renumbered the sheet.

**B5.7B Post-tensioning Standard Details**

June 2006      Renumbered the sheet.

**B5.8 Electrical Connection to Top Reinforcing Steel**

June 2006      Added new standard drawing.