

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.

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.

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".

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.

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 36" Bulb Tee Prestressed Girder

July 2009 Modified the end block reinforcement to comply with AASHTO Article 5.10.10.

B5.3B 42" Bulb Tee Prestressed Girder

July 2009 Modified the end block reinforcement to comply with AASHTO Article 5.10.10.

B5.3C 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.

B5.3D 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.

B5.3E 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.

B5.3F 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.

B5.3G 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.

B5.3H 84" Bulb Tee Prestressed Girder

June 2006 Added new standard drawing.

July 2009 Modified the end block reinforcement to comply with AASHTO Article 5.10.10.

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B5.3I 49" Bulb Tee Prestressed Girder

June 2006 Added new standard drawing for bulb tee with 48" top flange.
July 2009 Modified the end block reinforcement to comply with AASHTO Article 5.10.10.

B5.3J 55" Bulb Tee Prestressed Girder

June 2006 Added new standard drawing for bulb tee with 48" top flange.
July 2009 Modified the end block reinforcement to comply with AASHTO Article 5.10.10.

B5.3K 61" Bulb Tee Prestressed Girder

June 2006 Added new standard drawing for bulb tee with 48" top flange.
July 2009 Modified the end block reinforcement to comply with AASHTO Article 5.10.10.

B5.3L 67" Bulb Tee Prestressed Girder

June 2006 Added new standard drawing for bulb tee with 48" top flange.
July 2009 Modified the end block reinforcement to comply with AASHTO Article 5.10.10.

B5.3M 73" Bulb Tee Prestressed Girder

June 2006 Added new standard drawing for bulb tee with 48" top flange.
July 2009 Modified the end block reinforcement to comply with AASHTO Article 5.10.10.

B5.3N 85" Bulb Tee Prestressed Girder

June 2006 Added new standard drawing for bulb tee with 48" top flange.
July 2009 Modified the end block reinforcement to comply with AASHTO Article 5.10.10.

B5.3O WF42G Prestressed Girder

July 2009 Added new standard drawing.

B5.3P WF50G Prestressed Girder

July 2009 Added new standard drawing.

B5.3Q WF58G Prestressed Girder

July 2009 Added new standard drawing.

B5.3R WF66G Prestressed Girder

July 2009 Added new standard drawing.

B5.3S WF74G Prestressed Girder

July 2009 Added new standard drawing.

B5.3T WF83G Prestressed Girder

July 2009 Added new standard drawing.

B5.3U 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.

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B5.3V Temporary Diaphragm Details

June 2006 Renumbered the sheet.
July 2009 Renumbered the sheet from B5.3P to B5.3V.

B5.3W 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.

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

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
Modified Reinforcement Diagram Sketch for G1, G5, G5A, G11, G13, & G14.
July 2009 Modified Reinforcement Diagram Sketch for G6 & G8
Added G9 & G9A bars to Reinforcement Diagram
Added spacing of intermediate diaphragm bars in the Elevation view
Added confinement length "Y" and Bursting Reinforcement length "Z" to End Reinforcement Detail
July 2010 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.

B5.5C 1'-3" Prestressed Slab

Feb 2012 Deleted void and vent hole details shown on the drawings.

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.

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.

B5.7A Box Girder Details

June 2006 Renumbered the sheet.

B5.7B Post-tensioning Standard Details

June 2006 Renumbered the sheet.

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B5.8 Electrical Connection to Top Reinforcing Steel
June 2006 Added new standard drawing.