



MEMO

October 15, 2024

To: Directors of Transportation Planning and Development

From: Robert Owens, P.E. 
Bridge Design Section Director, Bridge Division

Subject: New and Revised Miscellaneous Bridge Standard Drawings

New and revised miscellaneous standard drawings, with issue date of October 2024, are posted on the TxDOT web site and available for immediate use. In general, updates to these standards were for converting to engineering font. Notable revisions include:

- New Bridge Lighting Details for Rail Blister (BL-R) is an alternate to the BL-D where the light pole is attached to a blister that protrudes from the back of the Traffic Rail Single Slope (SSTR).
- Revised the title of Bridge Lighting Details (BL) to Bridge Lighting Details for Deck Blister (BL-D).
- Revised Prestressed Concrete Panels Deck Details (PCP) by flipping the top mat and revising Bar UP.
- Revised Prestressed Concrete Panels Fabrication Details (PCP-FAB) to allow 0.6" strand, non-stressed for longitudinal panel reinforcement.
- Revised Sealed Expansion Joint Type S (SEJ-B), Type M (SEJ-M), and Type S with overlay (SEJ-S(O)) to have galvanizing as the primary treatment and painting as the option if called for in the plans.

- Revised Miscellaneous Slab Details (Steel Girders & Beams) (SGMS) by flipping the top mat.
- Revised Thickened Slab End Details (Steel Girders & Beams) (SGTS) by flipping the top mat.
- New Precast Superstructure Alternate (PCA-SUP) and Precast Substructure Alternates (PCA-SUB) sheets correspond to the update to the TxDOT Bridge Design Manual. These sheets are intended to be modified to fit the project and then be signed and sealed. These sheets will indicate what elements of the bridge are allowed to be alternately designed and to the design standard they must meet.

These new and revised standard drawings apply to construction projects beginning with the March 2025 letting. Use of new and revised standards prior to March 2025 is at the discretion of each District.

These and other bridge standard drawings are available in MicroStation® ".dgn" and Adobe® Acrobat® ".pdf" formats on the Bridge Standards web page (<https://www.dot.state.tx.us/insdtdot/orgchart/cmd/cserve/standard/bridge-e.htm>).

For questions or comments concerning these standard drawings, please contact Taya Retterer, P.E. at 512/993-0330.

CC: Federal Highway Administration
Bridge Design Consultants
District Design Engineers

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