



COLORADO

Department of Transportation

Staff Bridge Branch
2829 W. Howard Place, 3rd Floor
Denver, CO 80204

Memorandum

To: All Bridge Worksheet Users
From: Michael Collins, Staff Bridge Branch Manager
Date: Monday, September 30, 2024
Subject: CDOT Bridge Worksheets Updates

All worksheets except for 504 MSE worksheets have been resized to the most current Bentley ORD border, with updated text and dimension styles and other minor updates and are now available. Individual changes other than these minor changes are identified in the following paragraphs.

These updates, and all of the worksheets, are available through the CDOT bridge web page.
<http://www.codot.gov/library/bridge/design-standards>

- B-INDEX-1: Updated revisions log and revision table cells for this submittal
- B-INDEX-2: Updated revisions log and revision table cells for this submittal
- B-100-1: Updated first paragraph in General Notes to include M-206-2 for bridges; added CDOT Permit load (Strength II only) to the Design Data Live Load; added Note to Designer / Detailer for the use of utility loads as additional dead loads if need it.
- B-100-1BR: Removed reference to Class DT and replaced Class DT with Class DR
- B-202-1, 2: Note 5 used supported instead of shored, updated grout bed notes (legend and note 10) to refer to 602 instead of 601 per new standard spec
- B-206-3: Fixed title
- B-206-4: Fixed title, added approach slab
- B-504-SN1 to 7: Revised subset to WALL
- B-508-PB: Deleted / Retired
- B-509-SB: Updated informational quantities
- B-518-1A: In Elevation view added dimension value 3 ½" for ¾" overlay; in Section A showed utility
- B-518-1C: Corrected linetype in Plan view; fixed A+1" dimension
- B-518-M1C, M1S: Updated the Approved Product List (APL) website; added intermediate rail
- B-518-P, PR: Updated the Approved Product List (APL) website
- B-601-1, 1EA: Added Note to Designer for splice length table; fixed typo

- B-601-4: Changed strand extension from 4" to 3" in Plan view to match current fabricator practice
- B-601-5C, 5S: Updated Note in the Legend;
- B-606- rail sets: Replaced Concrete Class D with Macrofiber with Concrete Class DF
- B-606-8RMASHA, B: Added For Repair/Rehab watermark
- B-606-9-3, 4: Added new Designer Note for conduit limitations
- B-606-10MASH: In Section added bolt options for F1554
- B-606-10MASHC: Removed tube expansion device from Note 5
- B-607-CR: Added post height dimension
- B-618-BX, U, SL: Added epoxy symbol to #3 hoops in Typical Section
- B-618-BX, CBT1, SL, U: Modified Note 10 for -BX, Note 9 for -CBT1, Note 5 for -SL and Note 10 for -U to include rejection of girders with negative camber after applied deadloads
- B-618-CBT1: In Note 9 changed percentage of acceptable camber variability to 30%
- B-618-CBT2: Updated Designer/Detailer note; revised CBT 54 Detail to show 6" clear dimension to top harped strand based on precaster's limitation; revised weights to match the Design Manual
- B-618-DBT: Changed wording in Notes under Girder Sections (rotate instead of slope); updated girder weights for 155lb/cf; added "camber" to Note 5
- B-618-SL: Revised minimum cover for prestressing steel to 2" in Note 3 ; added 1½" clear dimension to side in Typical Section

Please review and become familiar with these revisions. If you have any questions or recommendations for improvement to the worksheets, please contact:

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