

MEMORANDUM

DEPARTMENT OF TRANSPORTATION
Staff Bridge Branch
4201 E. Arkansas Avenue, Room 330
Denver, Colorado 80222
(303) 757-9309 FAX (303) 757-9197



Date: September 1, 2002

To: All Bridge Worksheet Users

Signature on File

From: Mark A. Leonard, Bridge Branch Manager

Subject: CDOT Bridge Worksheet Revisions

The CDOT Bridge Worksheets have recently been updated. This update involves 22 worksheets.

The following is a summary of the revisions.

B-206-3: Modified the Legend to include the statement that Structure Backfill (Class 1) with Mechanical Reinforcement of Soil is shown elsewhere in the plans. This change should clarify that there is another sheet to show these details.

B-206-4: Corrected minor typographical errors.

B-206-M1: Modified the Gap Details to show the Timber Spacer between the Geotextile Reinforcement and the Back Face of the Abutment and to show that the Geotextile Reinforcement attached to the Timber Spacer with a temporary Tack Strip. Also identified the staples or pins in the Wrap Detail and removed the concrete hatching.

B-206-M2: Removed the concrete hatch pattern from the Wrap Detail.

B-508-PB: This is a new sheet converted from S5K. These timber pedestrian bridges were used on Vail Pass.

B-509-2A: Modified the phrases "girder reactions" to read "girder working stress reactions" five places in the General Notes. Also added the two asterisk plate size for the Support Plate in the Plan view.

B-509-2B: Modified the phrases "girder reactions" to read "girder working stress reactions" five places in the General Notes. Also changed the Support Plate thickness from 1 ½" to 1 ¾" in the Plan view.

B-509-2C: Modified the phrases "girder reactions" to read "girder working stress reactions" three places in the General Notes.

B-509-2D: Modified the phrases “girder reactions” to read “girder working stress reactions” five places in the General Notes.

B-509-2E: Modified the phrases “girder reactions” to read “girder working stress reactions” three places in the General Notes.

B-512-3B: Changed Acceptable Alternatives to include WaboPot Bearing by Watson Bowman Acme Corp. Amherst, NY and Con-Serv, Inc. Georgetown, SC while removing SAI Spencer Bearings Terryville, CT. Added note to Designer/Detailer to make the cross slope column zero for I girders. Modified the Anchor Bolt Detail to include the option of a fabric pad instead of 1/8” sheet lead.

B-518-1: Clarified the Rail Field Splice Detail. Added side view in the Typical Anchor Bar Detail. Modified the Minimum Support Bracket Requirements detail to look like the usual Expansion Device.

B-601-1EA & EC: Modified Section A and Sleeper Section details too look more like the usual Expansion Device.

B-607-1: Corrected lineweight problem in the Alternate Anchorage Detail.

B-614-1: Modified note to Designer/Detailer to read “The tank needs to be located between 10’ and 15’ of the vault ...”

B-618-2 & 5: Upgraded the Designer/Detailer notes to accommodate the issues from larger ducts and forces. Modified the Bottom Slab Drain Detail on B-618-2. Modified the Clearance Requirements for Ducts detail. Added note to clarify alternate joint locations due to staged construction.

B-618-BT: Removed Dead Load Deflection Diagram.

B-618-BX & SL: Added description for Θ . Removed Dead Load Deflection diagram.

B-618-U: Modified note concerning MNL-116 as it does not completely cover U girders. Added a note to Designer to adjust the tolerance for camber. Added description for $\Theta =$ skew.

These updates and all of the worksheets are available through the CDOT bridge web page.

<http://www.dot.state.co.us/DevelopProjects/DesignSupport/Bridge/Worksheets/Worksheets.htm>

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

Ken.Largent@dot.state.co.us (303) 757-9309
Prabhatsinh.Padhiar@dot.state.co.us (303) 757-9370

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