

MEMORANDUM

DEPARTMENT OF TRANSPORTATION
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Date: November 23, 1999

To: All Bridge Worksheet Users

From: P. K. Padhiar

Subject: CDOT Bridge Worksheet Revisions

The CDOT Bridge Worksheets have recently been updated. This update involves most of the worksheets, all 95 in English units (24 revised, and the remaining 71 converted to the same border style as used on the metric sheets and bar list information deleted) and 29 in metric units (19 revised and 10 with only bar list information deleted).

The sheets in metric units will be maintained through this year to service existing metric projects. We currently plan on deleting these sheets in January of next year.

B-INDEX-1 & 2: Updated indexes.

B-504-A1, A2 & A3: The MSE Block Retaining Wall with bridge rail was to refer to Type 7 Bridge rail rather than Type 4. The filter material note is revised to be included in Item 206 rather than in 504.

B-504-B1 & C1: The filter material note is revised to be included in Item 206 rather than in 504.

B-509-2A, 2B, 2C, 2D, & 2E: Changed bolts to A449 from A 325 which is not available in the appropriate sizes or as threaded rod.

B-518-1A: Eliminated dimensions that conflicted with Bridge Rail Type 3, Eliminated incorrect curb height from top of joint dimension, revised turn up dimension to be compatible with Bridge Rail Type 3.

B-518-1B: Revised bolt spacing to be compatible with Bridge Rail Type 7.

B-518-M1C & M1S: Revised bolt spacing to be compatible with Bridge Rail Type 7.

B-606-10H: Corrected dimension line for height at the back of post.

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B-607-6B & 6S: Changed description Bridge Rail from Type 4 to Type 7. This was correct on the metric sheets.

B-618-3 & 6: Added a note "There shall be no construction joints under anchorages".

B-618-BT & BX & SL: Added note for the new bid item, pay units, and method of measurement. Changed Concrete class from S to PS to match the new spec. book.

All Other Sheets: All remaining sheets, were converted to the new sheet border and had references to bar list numbers removed.

Metric Worksheets: Revisions discussed above for English worksheets also made on the corresponding metric worksheets. In addition, the following changes were made to the metric sheets.

C-504-A2, B2, & C2: In addition to the changes made to the English version of these sheets, the equation for the vertical stress was changed to reflect the correct values for use with metric units.

Copies of the worksheets, and other bridge standards, can be obtained at
<http://www.dot.state.co.us/business, design, bridge>.

Please review and become familiar with these new standards. If you have any questions or recommendations for improvement please contact Mark Leonard, Staff Bridge, 757-9486.

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