

Date: October 17, 1994
To: Staff Bridge Unit Leaders

From: A. J. Siccardi

Subject: Staff Bridge Worksheets

Updates for your book of worksheets are attached (77 sheets). The sheet numbers have a "B" prefix for English units and "C" for metric units.

B-INDEX-1 & 2: Updated indexes.

B-504-B1, B2 & B3: New worksheets. To be used for MSE block walls.

B-512-3A: Added bar numbers for bar list. Changed #5's in grout pad to #4's.

B-518-1: Added bar numbers for bar list.

B-518-1A: Revised drawing number.

B-518-1B: Revised drawing number. Revised cover plate anchorage locations to make consistent with other worksheets.

B-518-1R: Revised drawing number. Revised note calling for sandblasting. Added "saw cut, (typ)" to step 4. It was erroneously omitted on earlier version.

B-518-M1C & M1S: Revised drawing number. Added bar numbers for bar list.

B-518-M2C & M2S: Revised drawing number.

B-518-M3: Revised drawing number. Added bar numbers for bar list.

B-601-1, 1A, 1EA & 1EC: Added bar numbers for bar list. Reworded note regarding rebar for long approach slabs.

B-602-BL: New worksheet. Bar list. To be used on all projects with 602 Reinforcing Steel pay item.

B-606-10: Revised second note by calling out applicable specifications for concrete, reinforcing steel and structural steel. Due to this revision, THE SPECIAL PROVISION FOR BRIDGE RAIL TYPE 10 IS NO LONGER REQUIRED AND SHOULD NOT BE USED UNLESS THERE ARE PROJECT SPECIFIC REQUIREMENTS WHICH CANNOT BE COVERED IN THE PLANS. The worksheets now contain all the requirements necessary for construction of these rails. Revised anchorage details. The field has been having problems placing the anchorage. On investigation of the details we found the anchorage plates interfere with placement of the #4 stirrups. Corrected location of #4 continuous in Section D - related to interference problems with anchorages. Reworded note in the Tube Splice Plan regarding tube slots.

B-606-10H: Revised second note regarding applicable specifications (see discussion above for **B-606-10**). Revised anchorage details. Reworded note in the Tube Splice Plan regarding tube slots. Corrected pay item description in Elevation and in notes.

B-606-10R: Revised second note regarding applicable specifications (see discussion above for **B-606-10**). Reworded note in the Tube Splice Plan regarding tube slots. Corrected pay item description in Elevation. Added coring and grouting to list of items to be included in the work.

B-607-3 & 5: Revised locations where upper two tie wires are terminated. Previously all 3 wires terminated at the end post, resulting in excessive deflection of the end post.

B-618-1: Added bar numbers for bar list. Added duct profile back to Adjusted Girder Reinforcing Elevation. It was erroneously omitted on earlier version.

B-618-2: Added bar numbers for bar list. Revised shear key details. The new shear keys can readily be formed with diagonally cut 2x4 and 2x2 lumber.

B-618-3: Added bar numbers for bar list.

B-618-4: Added bar numbers for bar list. Added duct profile back to Adjusted Girder Reinforcing Elevation. It was erroneously omitted on earlier version.

B-618-5: Added bar numbers for bar list. Revised shear key details. The new shear keys can readily be formed with diagonally cut 2x4 and 2x2 lumber. Added deck to girder cross section views to show that fillets are not required between the deck and girder web.

B-618-6: Added bar numbers for bar list. Changed "stem" to "web" in notes to be consistent with other worksheets.

B-618-7: Added note to detailer regarding bar numbers for bar list.

B-618-42, 72 & DF: Revised location where Detail B is called out, changed from interior girder to exterior girder, to be consistent with Detail B.

C-INDEX-1 & 2: Updated indexes.

C-000-0: Revised concrete strengths to be consistent with metric brown book. Revised splice lengths.

C-512-1, 2, 3A, 3B, 4C, 4S, 5C & 5S: New metric bearing device worksheets.

C-518-1, 1A, 1B, 1R, M1C, M1S, M2C, M2S & M3: New metric expansion device worksheets.

C-601-1, 1A, 1EA & 1EC: Added bar numbers for bar list. Reworded note regarding rebar for long approach slabs.

C-601-4C & 4S: Revised panel thicknesses, span lengths, and strand location tolerances to hard conversions.

C-601-5C & 5S: Revised concrete strengths in notes to hard conversions.

C-602-BL: New worksheet. Bar list. To be used on all projects with 602 Reinforcing Steel pay item.

C-606-4 & 4A: Revised concrete strength to be compatible with metric brown book.

C-618-1, 2, 3, 4, 5, 6 & 7: New metric worksheets for cast-in-place girders.

C-618-1070, 1370, 1730 & 1830: Revised location where Detail B is called out, changed from interior girder to exterior girder, to be consistent with Detail B.

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Please share this information with the members of your unit.
Contact Mark Leonard if you or any member of your unit has any
question or comments.

Attachment

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