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BRIDGE BULLETIN 2009-2
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To: All Bridge Designers

From: Jean A. Nehme, Ph.D., P.E.
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Subject: Structure Detail Drawings SD 3.01 and SD 1.06(1 to 4)

Web Site: http://www.azdot.gov/Highways/bridge/DetailDwg/Deck_Joints.asp
<http://www.azdot.gov/Highways/bridge/DetailDwg/Railing.asp>

Please note that the following Deck Joint Assembly Compression Seal sheet, and the Two Tube Bridge Rail sheets have been updated:

1. SD 3.01; the following modifications were made:
 - a. General Update: Changes to details, notes, table and revised title block.
2. SD 1.06(1 of 4); the following modifications were made:
 - a. Revise Guardrail Post Spacing: First three beam guardrail post space changed to 2'-1 1/2" from end block.
 - b. General Update: Changes to details, notes and revised title block.
3. SD 1.06(2 of 4); the following modifications were made:
 - a. Revise Curb Height: Curb height is changed from 6" to 8". The overall rail height is now 2'-10 3/4" above bridge deck (allows for 2" wearing surface).
 - b. Revise Curb Width: Curb width changed from 1'-8" to 1'-6".
 - c. Revise Rail Bolts: U bolt changed to stud bolts welded to railing.
 - d. General Update: Changes to details, notes and revised title block.
4. SD 1.06(3 of 4); the following modifications were made:
 - a. Revise End Block Height: End block height is changed from 2'-8" to 2'-10" (allows for 2" wearing surface).
 - b. Revise End Block Width: End block width changed from 8" to 1'-0".
 - c. Added Footing Details: New details now shown for curb and rail on footing, and end block on footing.
 - d. General Update: Changes to details, notes and revised title block.
5. SD 1.06(4 of 4); the following modifications were made:
 - a. Revise Curb Details: Curb height, width and reinforcing details changed.
 - b. Added Curb Detail At Abutment: New curb details shown at abutment backwall.
 - c. Revised Three Beam Connection Location: Three beam connection to end block location changed from 3'-2" to 2'-0" (measured from end of block).
 - d. General Update: Changes to details, notes and revised title block.