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BRIDGE BULLETIN 2007-7
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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 1.01, SD 1.02 and SD 1.03

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

Please note that the following Bridge Concrete Barrier and Transition sheets have been updated:

1. SD 1.01; the following modifications were made:
 - a. Revise Barrier Height: Barrier and transition barrier height increased by 2 inches to accommodate future wearing surface thickness.
 - b. Revise Barrier Width: Barrier width changed to 1 ft-3 in at base, and transition barrier width changed to 1 ft-0 in.
 - c. Revise footing width: Footing changed to a constant 5 ft-5 in width.
 - d. Revise Reinforcing: Sleeved bars added at barrier expansion joints. Changes to barrier anchor bars and stirrups size and spacing. Changes to footing stirrups size and spacing.
 - e. General Update: Changes to details, notes and revised title block.

2. SD 1.02; the following modifications were made:
 - a. Revise Barrier Height: Transition barrier height increased by 2 inches to accommodate future wearing surface thickness.
 - b. Revise Deck Thickness: Minimum thickness of deck overhang increased to 10 inches.
 - c. Revise Barrier Width: Transition barrier width changed to 1 ft-2 in.
 - d. Revise footing width: Footing changed to a constant 6 ft-7 in width.
 - e. Revise Reinforcing: Sleeved bars added at barrier expansion joints. Changes to barrier anchor bars and stirrups size and spacing. Changes to footing stirrups size and spacing.
 - f. General Update: Changes to details, notes and revised title block.
 - g. Barrier design is updated to meet crash test level TL-5, from previous test level TL-5A.

3. SD 1.03; the following modifications were made:
 - a. Revise bolt length: Length of bolts at concrete connection changed to accommodate revised transition barrier width.
 - b. General Update: Changes to details, notes and revised title block.

