



# Arizona Department of Transportation

## Intermodal Transportation Division Roadway Engineering Group

### MEMORANDUM

**To:** All Users of the Roadway Construction Standard Drawings

**Date:** 29 July 05

**From:** Mary Viparina *MV*  
Assistant State Engineer  
Roadway Engineering Group

**Subject:** C-Standards Update

The October 2004 Roadway Construction Standard Drawings have been revised and updated, and are available for download on the Roadway Design web site at the following address:

[http://www.azdot.gov/highways/rdwyeng/roadwaydesign/viewable\\_drawings.asp](http://www.azdot.gov/highways/rdwyeng/roadwaydesign/viewable_drawings.asp)



The attached spreadsheet summarizes the changes made to the previous drawings. The changes of note are more fully described below:

- C-04.10, Sht 2 of 2: A new drawing with a double-inlet embankment spillway;
- C-04.20, Sht 2 of 2: A new drawing with a double-inlet embankment downdrain;
- C-07.06: Reissued the drawing for trench backfill requirements. This drawing was inadvertently left out of the October 2004 Edition, but is used by the district permit offices;
- C-10.00: The C-10.00 drawing now shows the C-10.30 transition at both ends of roadway barriers. There will no longer be a distinction made between "approach" or "departure" type when referencing Thrie-Beam to Concrete Half-Barrier Transitions (C10.7x series). The C-10.30 transition will only be connected to roadway half-barrier installations. Thrie-beam guardrail transitions attaching to Bridge Group structures are details included in the bridge sheets of the project plans;
- C-10.30, Shts 1 & 2 of 2: Revised sheets showing the Thrie-Beam to Concrete Half Barrier Transition, attachment hardware, and optional Lip Curb Details;
- C-10.31 & C-10.32: These drawings have been deleted. Designers shall specify the C-10.30 transition for both the approach and departure ends of roadway half-barrier installations; and
- C-18.10: Revised General Note 8 pertaining to backfill compaction.

Design personnel should implement the updated drawings and incorporate the updates into their project plans. For projects at or near completion, where the inclusion of all new standard drawings is not practical, the 1A Sheet must accurately reflect the correct revision dates for the design. Construction personnel should review the drawing revisions for possible implementation on construction projects.

Please distribute this memorandum to all users within your Group, Section, or District, and arrange for printing of the updated Standard Drawings for those without computer access. Copies of the complete set of Roadway Construction Standard Drawings (8-1/2" x 11" or 11" x 17") may be obtained from Engineering Records located at 1655 West Jackson, Room 175, Phoenix, AZ 85007-3217 or by telephoning 602-712-8216.

The updated Construction Standards Index (1A Sheet) and Barrier Summary Sheets are also available on-line at the address shown above.

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Please direct questions regarding this memorandum or the updated standards to Kenneth Cooper, Roadway Standards Engineer at 602-712-8674.

MAV/KRC/krc

c:	Roadway Engineering Group	Regional Traffic Engineers (4)
	Traffic Engineering Group	Materials Group
	Valley Project Management Group	Local Government Section
	Environmental and Enhancement Group	Engineering Consultant Section
	Districts (10)	District Permits Office (9)
	Statewide Project Management Group	Engineering Records
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