



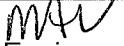
# Arizona Department of Transportation

## Intermodal Transportation Division Roadway Engineering Group


### MEMORANDUM

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

**Date:** 18 April 06

**From:** Mary Viparina   
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-02.20 & C-02.30: Revised cut and fill slope dimensions;
- C-05.30, Shts 3 & 4 of 7: Modified PLAN and PERSPECTIVE views to clarify ramp location;
- C-05.30, Sht 7 of 7: Added a PLAN and SECTION views for a brick detectable warning strip;
- C-10.76: Modified SECTION views to depict "F" shape; and
- C-11.10: Re-issued the drawings in four sheets. Sheet 4 shows the clamp designed to enhance the bicycle ridability of the cattle guard.

Design personnel should implement the updated drawings and incorporate them 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 (either 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.

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  
Traffic Engineering Group  
Valley Project Management Group  
Environmental and Enhancement Group  
Districts (10)  
Statewide Project Management Group  
FHWA  
Contracts and Specifications Section  
Construction Group  
Bridge Group  
Regional Traffic Engineers (4)  
Materials Group  
Local Government Section  
Engineering Consultant Section  
District Permits Office (9)  
Engineering Records  
Maintenance Group  
Dan Lance  
Sam Maroufkhani  
Doug Forstie

Construction Standard Drawings Revisions – April 2006

<b>STANDARD DRAWING</b>	<b>REVISION DESCRIPTION</b>
C-02.10	Added "Rural" to title
C-02.20	Modified slope criteria – slopes and range. Modified drawing title.
C-02.30	Modified drawing title, slopes, and ranges. Added a note regarding proper standard application.
C-04.10, Sheet 2 of 2	Revised SECTION B-B and POST SLEEVE DETAIL by subduing graphics for post and w-beam guardrail. Revised note at outlet in SECTION B-B to correct references. General Note 4 revised by replacing "in lieu" with "instead."
C-05.12, Sheet 2 of 3	Removed Type 'G' Curb & Gutter from note.
C-05.30, Sheet 1 of 7	Modified General Note 2. Defined elevation of "Top of Ramp Curb" in SECTION B--B. Revised text orientation.
C-05.30, Sheet 2 of 7	Modified General Note 2. Revised text orientation in SECTION A--A.
C-05.30, Sheet 3 of 7	Modified General Note 3. Modified ramp location in PLAN and PERSPECTIVE views. Revised text orientation in SECTION A--A.
C-05.30, Sheet 4 of 7	Modified ramp location in PLAN and PERSPECTIVE views.
C-05.30, Sheet 5 of 7	Modified General Note 3.
C-05.30, Sheet 7 of 7	Added PLAN and SECTION views of brick option Detectable Warning Strip (DWS). Modified PLAN view of non-brick DWS. Added General Note 1. Re-labeled section and detail views.
C-05.50	Revised General Note 6. Rearranged drawings on sheet. Modified SECTION A--A. Revised Std Dwg reference in SECTION C--C. Re-labeled "PLAN VIEW OF SECTION C--C".
C-07.02	Revised General Notes 3 & 4 to correct Std Dwg reference from C-07.05 to C-07.04. Revised drawing titles.
C-10.51	Changed "PLAN VIEW" to "PLAN". Removed slope designation from sidewalk in SECTION views. Changed length of vertical taper from 12½" to 1'-0". Revised text orientation. Added "WITHOUT GUARDRAIL" to title of ELEVATION view of departure vertical taper.
C-10.52	Removed "D" reference and substituted "may" for "can" in General Note 5.
C-10.75, Sheet 1 of 2	Changed "PLAN VIEW" to "PLAN". Removed slope designation from sidewalk in SECTION views. Revised curb-height designation in SECTION A-A from "H" to "h".
C-10.75, Sheet 2 of 2	Changed "PLAN VIEW" to "PLAN". Removed dimensions at right side of PLAN view. Revised text orientation.
C-10.76	Changed "PLAN VIEW" to "PLAN". Revised SECTION view graphics to depict Type 'F' barrier.
C-10.77	Modified PLAN view to correct style and proportion of concrete half barrier and transitions. Modified references to other Std Dwgs.
C-11.10 Sheets 1 through 4 of 4	Re-issued Standard Drawing.
C-15.20, Sheet 1 of 3	Revised sheet number references.
C-15.91 & C-15.92, Sheet 2 of 2	Modified welding notations for ANSI conformance.
C-18.10, Sheet 2 of 3	Modified SECTION views to improve clarity.