



# Arizona Department of Transportation

## Intermodal Transportation Division Roadway Group

### MEMORANDUM

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

**Date:** 20 Oct 04

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

**Subject:** C-Standards Update

The Roadway Construction Standard Drawings have been revised and updated, and printed in a new, complete set. Users should obtain the new Construction Standard Drawings (October 2004 cover) from Engineering Records. Numerous revisions, additions, and deletions have occurred that are listed in the front of the new standards. Some of the significant changes include the following:

1. Removal of the Superelevation Distribution sheet, C-02.50, which is now found in the Roadway Design Guidelines;
2. Update of the Sidewalk Ramp sheets, C-05.30, to reflect current ADA guidelines;
3. Reorganization of the PCCP Joint series (C-07.xx), and addition of parallel entrance and exit ramp joint location sheets;
4. Reorganization of the Guardrail and Barrier series (C-10.xx), including the update of the Thrie Beam to Concrete Half-Barrier Transition, C-10.30 and C-10.31, and deletion of C-10.68;
5. Removal of the cage reinforcement from the half barrier adjacent to slotted drains and catch basins (C-15.92) to facilitate slip forming;
6. Reorganization of the Rail Bank series (C-17.xx), and inclusion of a Rail Bank Protection at Abutments standard drawing;
7. Consolidation of the C-18.xx series into one standard, Manhole, C-18.10;
8. Redesign of the Standard Marker, C-21.20;
9. Deletion of the Utilities series (C-22.xx and C-23.xx). These series were adopted from the Maricopa Association of Government (MAG) standards and hadn't been updated in over a decade. Designers can use the current MAG utility standards, or convert the deleted sheets into plan details, which must be sealed and signed. The deleted sheets can be found at the web address listed below; and
10. Development of special provisions for use in conjunction with many of the standard drawing. These special provisions are on the Roadway Design web site with links from and to the applicable drawings.

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 arrange for additional copies of the updated Standard Drawings for all users within your Group or District. Additional copies (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.

An updated List of Standards (1A Sheet) is available either from the Roadway Support Desk (602-712-8667 or 602-712-8491) or on-line at the following address:

[http://www.dot.state.az.us/ROADS/Rdwyeng/updates/viewable\\_drawings.html](http://www.dot.state.az.us/ROADS/Rdwyeng/updates/viewable_drawings.html)



Updated Summary Sheets are available on-line at the address shown above.

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

MAV/KRC/krc

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