



Arizona Department of Transportation
Intermodal Transportation Division – Bridge Group
205 South Seventeenth Avenue Phoenix, Arizona 85007-3213

Janice K. Brewer
Governor

John S. Halikowski
Director

Floyd Roehrich Jr.
State Engineer

BRIDGE BULLETIN 2010-2
Issue Date 9-28-2010

To: All Bridge Designers

From: Jean A. Nehme, Ph.D., P.E.
State Bridge Engineer

Subject: Structure Detail Drawing SD 7.01 (1 to 5) and SD 7.02 (1 to 2)

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

New structure detail drawings, SD 7.01 Retaining Wall (Reinforced Concrete Cantilever) and SD 7.02 Retaining Wall (Masonry Cantilever), have been added to the Bridge Group web site under the Retaining Walls section. All new projects shall now use these new drawings in lieu of the previously used 1992 B-Standard drawings B-18.10 to B-18.50.

The retaining walls are designed in accordance with AASHTO LRFD Bridge Design Specifications and include design cases for level fill, sloping fill, traffic surcharge and adjacent traffic barrier. The retaining walls have new pay item numbers and are measured per square foot (height from top of footing times length of wall). The pay item includes all labor and materials for excavation, backfill, drainage, concrete footing and wall with reinforcements.

SD 7.01:

Item No. 9140178 RETAINING WALL (REINFORCED CONCRETE CANTILEVER)
Measure: Square Foot

SD 7.02:

Item No. 9140179 RETAINING WALL (MASONRY CANTILEVER)
Measure: Square Foot