



# MEMO

August 30, 2013

**To:** District Engineers

**From:** Gregg A. Freeby, P.E.  
Division Director, Bridge Division

**Subject:** New Inlet and Manhole Standard Drawings

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New inlet and manhole standard drawings, with issue dates of August 2013, are posted on the TxDOT web site and are available for immediate use.

The new standard drawings are for precast inlets and manholes, and are as follows:

- PB - Precast Base
- PRM - Precast Round Manhole
- PCO- Precast Curb Inlet Outside Roadway
- PCU – Precast Curb Inlet Under Roadway
- PSL – Precast Solid Lid
- POD – Precast Overpass Drain
- PMBD – Precast Median Barrier Drain
- PAZD – Precast Area Zone Drain

These drawings provided standardized sizes of bases, risers, and lids in several styles. Combinations of these elements will accommodate the majority of pipe sizes specified for drainage systems. The goal of these standards is to simplify the selection, manufacture and installation of inlets and manholes across the state. Posted with the standards is a *Procedures Guide* that provides further information on inlet and manhole definitions, design, installation, and inspection.

These new standard drawings apply to construction projects beginning with the February 2014 letting. A new Special Provision to Item 465, which will be posted in the near future, must be used with the new standards. New bid codes are also required for the precast standards, although there is no change in the measurement and payment methods. Announcement will be made when the Special Provision and bid codes are available.

Use of the precast standards prior to the February 2014 letting is at the option of each District. For projects already let with cast-in-place standards, the Engineer should consider acceptable a substitution from the new precast standards that is hydraulically equivalent. This substitution will not require a design signed and sealed by a licensed professional engineer. Other alternates not from the new precast standards remain subject to the requirements of special provision SP465-001.

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MAINTAIN A SAFE SYSTEM ▪ ADDRESS CONGESTION ▪ CONNECT TEXAS COMMUNITIES ▪ BEST IN CLASS STATE AGENCY

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Inlet and manhole standard drawings IL-C, IL-H-G, IL-H-L, and MH-M are withdrawn from the web page and are no longer to be used for new construction effective February 2014.

These and other bridge standard drawings are available on the Bridge Standards web page in MicroStation® “dgn” and Adobe® Acrobat® “pdf” formats. See <http://www.dot.state.tx.us/business/standardplanfiles.htm>.

For questions or comments concerning these standard drawings, please contact Amy E. Smith, P.E. at 512/416-2261 or Jon T. Ries, at 512/416-2191.

Note: Original Signed by Gregg A. Freeby

**CC:** Federal Highway Administration  
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