



# Memorandum

**TO:** All District Engineers

**Date:** July 19, 2002

**FROM:** Carlos A. Lopez, P.E. *Carlos A. Lopez, P.E.*

**SUBJECT:** Revised Sign Mounting Details (SMD)  
Standard Sheets

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The Traffic Operations Division has revised the Traffic Operations Sign Mounting Details (SMD) standard sheets. These standards, approved for use on all projects beginning with the January 2003 Letting, are posted on the TxDOT Web Site and available for use. Please distribute this information to the appropriate district staff and area offices as well as any consulting engineers currently working on TxDOT projects for your district.

The old SMD sheets have been completely reorganized and revised. Due to the major changes, it is easier to explain what is on each new sheet, rather than give a summary of the changes from the old sheets. A summary of what is shown on each new sheet and when it should be used is outlined below:

## **SMD (GEN)-02**

- **This sheet shall be used in all projects that contain the Item, "Small Roadside Sign Assemblies."**
- This sheet explains the use of the descriptive codes to specify the desired sign support, sign foundation and backing that your District has chosen to install and maintain. For example, you can use the descriptive codes to specify that a particular sign should be installed on one Schedule 80 post, using the Triangular Slipbase anchored in a concrete foundation, and that it needs a prefabricated "T" for the backing.
- Shows typical sign placement details and locations.
- Shows typical sign attachment details for mounting the signs to the supports.

## **SMD (SLIP-1)-02, SMD (SLIP-2)-02 and SMD (SLIP-3)-02**

- **This group of sheets shall be used in any projects that specify the triangular slipbase as a type of sign support.**
- Shows installation details and instructions for the foundations, the sign posts and sign panels. Shows correct torque for the different bolts.
- Gives material and galvanization requirements for the 10 BWG Tubing and the Schedule 80 Pipe.

- Shows connection details and hardware for the prefabricated T's, U's and extenders.
- Shows an installation detail for installing the optional roll pin to reduce sign turning in high wind locations.
- Show typical descriptive codes for the different arrangement of sign panels and supports.
- Shows details for installing an extruded aluminum sign panel to two Schedule 80 posts.

### **SMD (TWT)-02**

- **This sheet shall be used in any projects that specify the Thin Wall Tubing Post using the Wedge Anchor System or the Universal Anchor System as the foundation.**
- Shows installation details and instructions for the foundations, the sign posts and sign panels.
- Gives material and galvanization requirements for the 13 BWG Tubing.
- Shows connection details and hardware for the prefabricated T's and extenders.
- Show typical descriptive codes for the different arrangement of sign panels and supports.

### **SMD (FRP)-02**

- **This sheet shall be used in any projects that specify the Fiberglass Reinforced Plastic (FRP) Post using the Universal Anchor System as the foundation.**
- Shows installation details and instructions for the foundations, the sign posts and sign panels.
- Gives material requirements for the FRP posts.
- Shows sign mounting details and hardware for the FRP posts.
- Show typical descriptive codes for the different arrangement of sign panels and supports.

### **SUMMARY OF SMALL SIGNS**

- **This sheet shall be used in all projects that contain the Item, "Small Roadside Sign Assemblies."**
- Shows the plan sheet number that the sign appears on, the sign number, the nomenclature of the sign, the sign text, the sign dimensions, the type of sheeting and the type of substrate.
- Allows the designer to specify the post type, the number of posts, the anchor type and the mounting designation.

### **EXAMPLE OF SUMMARY OF SMALL SIGNS**

- **This sheet shall not be included in the project plan sheets but shall be used to help designers determine how to select the proper posts, anchor types and mounting designations.**

### **SMD (CODES)-02**

- **This sheet shall be used in all projects that contain the Item, “Small Roadside Sign Assemblies.”**
- Shows a list of all the descriptive codes for the Item, “Small Roadside Sign Assemblies,” a tally column and a total column. This sheet should be used to help the designer total up the number of each type of pay items based on the post, anchor and mounting designation.

### **Example of SMD (CODES)-02**

- **This sheet shall not be included in the project plan sheets but shall be used to help designers determine how to total up the number of each type of pay items based on the post, anchor and mounting designation.**

The revised standards are available on the Traffic Operations Division Web Site, under the section “Traffic Engineering Standard Plan Sheets” (English and Metric). The web site address is: <http://www.dot.state.tx.us/insdtdot/orgchart/cmd/cserve/standard/toc.htm>

If you have any questions or comments concerning the new standards, please contact Brian Stanford at (512) 416-2719, Greg Brinkmeyer at (512) 416-3120 or me at (512) 416-3200.

#### **Attachments**

cc: Administration

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