



MEMO

June 27, 2016

To: District Engineers

From: Gregg Freeby, P.E., Director *Graham Battis, P.E. (for)*
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Gregg Freeby

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Subject: Standard Sheets for Mounting Dynamic Message Signs to OSB and COSS Trusses
[DMS (TM-1)-16, DMS (TM-2)-16 and DMS (TM-3)-16]

New Standard Sheets DMS (TM-1)-16 through DMS (TM-3)-16 providing details for Mounting Dynamic Message Signs (DMS) to Truss-type overhead sign supports are available for use.

Mountable DMS products must conform to the following:

- Weigh no more than 3600 lbs.
- Have an area no more than 252 sq. ft. corresponding to approximately 30.5 ft. horizontal by 8.25 ft. vertical dimensions and have no more than 4 ~ 1'-8" square flashing beacons attached, yielding a maximum effective projected area (EPA) of sign plus flashing beacons of 441 sq. ft.
- Have a center of gravity that is no more than 1 ft. from the face of the truss when the DMS access panels are in operating position.

The maximum design pressure for the mounting is based on a 100 mph fastest mile (i.e. sustained) wind velocity as defined in the 1994 AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. The use of the 1994 AASHTO Specifications comports with the design of the OSB and COSS standards, which utilize the four Wind Zones Z1-100 mph, Z2-90 mph, Z3-80 mph and Z4-70 mph given on the WV & IZ-14 standard wind velocity and ice zone standard map.

The standard sheets are available in MicroStation and PDF formats at the following web address: <http://www.dot.state.tx.us/insdtdot/orgchart/cmd/cserve/standard/toc.htm>.

These standard sheets may be used immediately.

If you have any questions, please contact Tim Bradberry at (512) 416-2179.

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