

## IOWA DEPARTMENT OF TRANSPORTATION

To Office Bridges and Structures Date April 1, 2013  
Attention All Employees Ref No. 521.1  
From Gary Novey  
Office Bridges and Structures  
Subject Release of the Roadside Dynamic Message Sign (RDMS) Standards.  
(CADD M0303)

Electronic copies are available in the following Office of Bridges and Structures standard directory **W:\Highway\Bridge\Standards\Bridges** and on the Internet:

<http://www.iowadot.gov/bridge/standard.htm>

This is the release of the following Roadside Dynamic Message Sign (RDMS) Standards.

The DMS-10 roadside dynamic message sign support standards are being replaced by the RDMS-13 standards. The RDMS standards are substantially the same as the older DMS standards. The following notes describe the major changes that have been made:

*RDMS-01-13:*

Changed sheet designation from DMS-SS1-10 to RDMS-01-13. Revised "General Information View" detail. Modified General Notes by including a clarification that the Contractor shall submit shop drawings directly to the Office of Bridges and Structures for review. Changed Stainless Steel Bolting Notes to U-Bolt Notes to allow for option of stainless steel U-bolts or galvanized steel U-bolts. Separated Steel Notes into two categories: Galvanized Steel Notes and Galvanized Steel Fastener Notes. Galvanized Steel Notes include clarification that steel mast arms (designated as extra-strong steel pipe) shall have a minimum yield strength of 35 ksi and steel support post (designated as hollow structural section) shall have a minimum yield strength of 42 ksi. Galvanized Steel Notes also include a requirement to show location and size of galvanizing vent holes on shop drawings.

*RDMS-02-13:*

Changed sheet designation from DMS-SS2-10 to RDMS-02-13. Modified notes. Changed identifying labels for sections, views and details. Changed steel pipe inlet coupling detail (Detail C). Increased size of hand hole to improve access to electrical conduit.

*RDMS-03-13:*

Changed sheet designation from DMS-SS3-10 to RDMS-03-13. Changed U-bolt leg length and thread length. Changed length of clip angles. Changed diameter of clip-angle bolts. Changed typical stiffener detail. Changed identifying labels for sections and details.

*RDMS-04-13:*

Changed sheet designation from DMS-SS4-10 to RDMS-04-13. Changed anchor bolt assembly detail and post base detail. Rearranged details on sheet. Changed identifying labels for sections.

*RDMS-05-13:*

Changed sheet designation from DMS-SS5-10 to RDMS-05-13. Added anchor bolt notes. Changed conduit detail in elevation view. Changed following terminology: "shaft" to "pedestal" and "footing" to "foundation". Changed identifying labels for sections.

*RDMS-06-13:*

Added this sheet to clarify the design details of the structure. This sheet contains a 3D-model file that can be viewed electronically.

For any questions, please check with Stuart Nielsen or Thayne Sorenson.  
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