

IOWA DEPARTMENT OF TRANSPORTATION

To Office Bridges and Structures Date March 1, 2013
Attention All Employees Ref No. 521.1
From Gary Novey
Office Bridges and Structures
Subject Revision of the Steel Overhead Sign Truss (SOST) Standards.
(CADD M0302)

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 revision of the following Steel Overhead Sign Truss (SOST) Standards.

SOST-01-11:

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 all steel chords, diagonals and struts (designated as steel pipe) shall have a minimum yield strength of 35 ksi and all steel posts (designated as hollow structural sections) 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. Added sheets SOST-12-11, SOST-13-11, SOST-14-11, SOST-15-11, SOST-16-11, SOST-18-11, SOST-19-11 and SOST-20-11 to Index.

SOST-06-11, SOST-07-11:

Added rodent guard notes. Added minimum yield strength value ($F_y = 42$ ksi) for steel posts designated as hollow structural sections. Increased size of hand hole to improve access to electrical conduit.

SOST-09-11, SOST-10-11:

Simplified chord splice note. Changed U-bolt leg length and thread length to improve constructability. Changed hole sizes for U-bolts to improve constructability.

SOST-11-11:

Changed U-bolt leg length and thread length to improve constructability.

SOST-12-11, SOST-13-11, SOST-14-11, SOST-15-11, SOST-16-11, SOST-18-11:

These sheets added for overhead trusses supporting dynamic message signs.

SOST-17-11:

Modified notes. Modified depiction of anchor bolt and anchor reinforcing placement detail (Detail M) for clarity. Added end elevation showing steel reinforcing in concrete foundation.

SOST-19-11, SOST-20-11:

These sheets added for two-stage construction of median foundations.

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