

BRIDGE DESIGN BULLETIN 2019-1

TO: All Designers

FROM: David L. Eberhart, P.E.
State Bridge Engineer

CC: Chad Matty (Federal Highway Administration)

DATE: April 8, 2019

RE: ADOT Traffic Signals and Lighting, and Sign Structures Standards and Specifications

Purpose

The purpose of this memorandum is to update ADOT's Traffic Group and Bridge Group Standard Drawings to meet the requirements of AASHTO's Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals, 6th Edition 2013 (LTS-6), with the 2015 Interim Revisions. All the changes to the Standards Drawings and Specifications apply to all design projects.

Implementation

All projects on the National Highway System (NHS), that include structural supports for highway signs, luminaires, and traffic signals shall comply with the requirements of the recently modified Standard Drawings and Specifications regardless of the funding source. The Standard Drawings affected are:

1. SD 9 Series: SD 9.01, SD 9.02, SD 9.10, SD 9.20, SD 9.50, SD 9.51, SD 9.52, and SD 9.53.
2. S-1, S-11 (Sheets 1 thru 5), and S-16 (Sheets 1 and 2).
3. T.S. 0, T.S. 15-0 (Sheets 1 thru 3), T.S. 15-1 (Sheets 1 thru 6), T.S. 5-0, T.S. 5-1, T.S. 5-2, and T.S. 5-3.
4. T.S. 4 series (All 32 sheets) will no longer be used for new designs. T-SL 4 series (32 new sheets) shall be used in place of the archived T.S. 4 series.
5. Intelligent Transportation Systems (ITS) Standard Drawings FM 6 (3 sheets) and FM 7 (6 sheets).
6. ADOT's 1B, 1C, and 1D Standard Drawings Index Sheets.

Standard Specifications 606 (Overhead Sign Structures) and 731 (Structural Supports and Foundations for Traffic Signals and Highway Lighting) have also been modified to comply with the requirements of AASHTO's LTS-6, with the 2015 Interim Revisions.

In addition, all contractor furnished designs for High Mast Lighting, ITS equipment support, and special non-standard dynamic message sign supports shall meet the requirements of the 2013 LTS-6, with the 2015 Interim Revisions.

All current design projects shall review the impacts of the standards update, and revise the plans and specifications as necessary. Projects that were authorized for design prior to December 3rd, 2018 may continue to reference previous standards, but will need the approval of Bridge and Traffic Groups.

For questions about this bulletin, please contact one of the following:

- For general questions about the Standard Drawings update, please contact:

Amjad Alzubi Bridge Standards Engineer
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- For updated Traffic Standards related questions, please contact:

Hasina Luna Traffic Standards Engineer
(602) 712-8686 HLuna2@azdot.gov

- For ITS Standard Drawings and High Mast Lighting, please contact:

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