

Sign Replacement Program for Cities - 2015

Technical Reference Overview

One of the main goals for the All Town Sign Replacement Program is to ensure that replacement signs are properly installed. They must be installed at the correct lateral and longitudinal location, set at the correct height and proper orientation.

The installation requirements are found in the Manual on Uniform Traffic Control Devices (MUTCD) published by the Federal Highway Administration. Another reference is the Traffic and Safety Manual (T&S Manual) published by the Iowa Department of Transportation.

MUTCD:

The following sections are highlights from the 2009 MUTCD. Contact the Program Coordinator if you have any questions.

Link:

http://mutcd.fhwa.dot.gov/pdfs/2009/pdf_index.htm

For all eligible signs:

- Section 2A.16 Standardization of Location
- Section 2A.18 Mounting Height
- Section 2A.19 Lateral Offset
- Section 2A.20 Orientation
- Section 2A.21 Posts and Mountings
- Section 2A.22 Maintenance

For eligible regulatory signs:

- Section 2B.03 Size of Regulatory Signs
- Section 2B.05 STOP Sign (R1-1) and ALL WAY Plaques (R1-3P)
- Section 2B.06 STOP Sign Application
- Section 2B.08 YIELD Sign (R1-2)
- Section 2B.09 YIELD Sign Applications
- Section 2B.10 STOP Sign or YIELD Sign Placement
- Section 2B.13 Speed Limit Sign (R2-1)
- Section 2B.18 Movement Prohibition Signs (R3-1 through R3-4, R3-18, and R3-27)
- Section 2B.37 DO NOT ENTER Sign (R5-1)
- Section 2B.38 WRONG WAY Sign (R5-1a)
- Section 2B.40 ONE WAY Signs (R6-1, R6-2)

Sign Replacement Program for Cities - 2015

Technical Reference Overview (cont'd)

For eligible warning signs:

- Section 2C.04 Size of Warning Signs
- Section 2C.05 Placement of Warning Signs
- Section 2C.06 Horizontal Alignment Warning Signs
- Section 2C.07 Horizontal Alignment Signs (W1-1 through W1-5, W1-11, W1-15)
- Section 2C.12 One-Direction Large Arrow Sign (W1-6)
- Section 2C.36 Advance Traffic Control Signs (W3-1, W3-2, W3-3, W3-4)
- Section 2C.38 Reduced Speed Limit Ahead Sign (W3-5, W3-5a)
- Section 2C.47 Two-Direction Large Arrow Sign (W1-7)
- Section 2C.49 Vehicular Traffic Warning Signs (W8-6, W11-1, W11-5, W11-5a, W11-8, W11-10, W11-11, W11-12P, W11-14, W11-15, and W11-15)
- Section 2C.50 Non-vehicular Warning Signs (W11-2, W11-3, W11-4, W11-6, W11-7, W11-9, and W11-16 through W11-22)

For signs on low-volume roads:

- Chapter 5A. General, All sections
- Chapter 5B. Regulatory Signs, All Sections
- Chapter 5C. Warning Signs, All Sections
- Chapter 5F. Traffic Control for Highway-Rail Grade Crossings, All Sections
- Chapter 5H. Traffic Control for School Areas

For school signs:

- Chapter 7B. (School) Signs, All Sections

For railroad crossing signs:

- Section 8B.06 Grade Crossing Advance Warning Signs (W10 Series)

Sign Replacement Program for Cities - 2015

Technical Reference Overview (cont'd)

Traffic and Safety Manual:

The following sections are highlights from the Traffic and Safety Manual. Contact the Program Coordinator if you have any questions.

Link:

<http://www.iowadot.gov/traffic/manuals/tsmanual.aspx>

For all eligible signs:

- Section 2A-1 Purpose of Signing
- Section 2A-2 Standards and Guidelines - MUTCD
- Section 2A-3 Types of Signs
- Section 2A-6 Installation Guidelines
- Section 2A-7 Mounting Requirements
- Section 2A-8 Sign Placement
- Section 2A-9 Miscellaneous Requirements
- Section 2A-10 Typical and Additional Figures

For STOP, YIELD and DO NOT ENTER signs:

- Section 2B-1 General
- Section 2B-2 Stop and Yield Signs
- Section 2B-3 Speed Limits Signs
- Section 2B-4 Alignment and Movement Signs
- Section 2B-6 Other Regulatory Signs

For One-Direction Large Arrow, Two-Direction Large Arrow and STOP AHEAD (Advance Traffic Control):

- Section 2C-1 Roadway Related Signs
- Section 2C-2 Traffic Related Signs

Sign Replacement Program for Cities - 2015

Technical Reference Overview (cont'd)

Additional Information on the Installation of Tubular Steel Sign Posts (Telespar® Square Sign Supports)

Tubular steel sign post systems are offered under the Small Town Sign Replacement Program. It is important to note that not all the post types and accessories are available through the program. The list of available items is included in the STSRP Materials List. This may be found either on the website or in the grant application packet.

The URL's listed below are for your convenience in the event your city is interested in acquiring additional Telespar square posts or accessories. Drive caps are available on the accessories page.

If you are experiencing difficulty locating items feel free to contact the program coordinator for assistance.

Posts

<http://www.alliedtube.com/sign-support/traffic-sign-posts/telespar-square.asp>

Accessories

<http://www.alliedtube.com/sign-support/traffic-sign-posts/sign-accessories.asp>

Installation Instructions and Product Information

http://www.alliedtube.com/pdf/ATC_Telespar_Sign_Support.pdf

If you are in need of advice regarding the installation of this post system contact the Program Coordinator.