
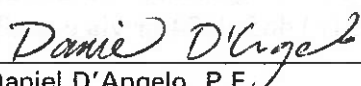


SUPERSEDED BY EB 15-031 EFFECTIVE 9/28/15		<i>New York State</i> <i>Department of</i> <i>Transportation</i> ENGINEERING INSTRUCTION	EI 08-043
Title: REVISION TO STANDARD SPECIFICATIONS - §645 POLE-MOUNTED SIGN SUPPORT SYSTEMS			
Distribution: <input checked="" type="checkbox"/> Manufacturers (18) <input type="checkbox"/> Surveyors (33) <input checked="" type="checkbox"/> Local Govt. (31) <input checked="" type="checkbox"/> Consultants (34) <input checked="" type="checkbox"/> Agencies (32) <input checked="" type="checkbox"/> Contractors (39) <input type="checkbox"/> _____ ()		Approved:  Daniel D'Angelo, P.E. Deputy Chief Engineer, Design <div style="text-align: right;"> <i>11/25/08</i> Date </div>	

ADMINISTRATIVE INFORMATION:

- This Engineering Instruction (EI) is effective beginning with projects submitted for the letting of May 7, 2009.
- This EI supersedes EI 07-007.
- This EI modifies EI 07-019.
- The revisions issued with this EI will be incorporated into a future update of the Standard Specifications.

PURPOSE: To transmit a revision to Standard Specifications Section 645 Signs.

BACKGROUND

- After EI 07-007 was issued, a manufacturer/installer contacted the Department and expressed a concern that they are not staffed to design the band connections for large signs. The manufacturer/installer expected NYSDOT to take responsibility for the design. In addition the Department has been receiving queries about band-mounting large width street name signs. To address both the issues, i.e. render unnecessary the need for a manufacturer to hire a PE and limit the size of band-mounted signs, a standard sheet has been created and the width of the sign panel and/or sign panel assembly has been limited.

TECHNICAL INFORMATION:

- This revision modifies the Standard Specifications to clarify the intent of the specification with regard to payment of item 645.85 Pole-Mounted Sign Support Systems (Band-Mounting). This issuance should standardize the interpretation of the item throughout the state.
- This revision deletes the request for designs from the specification.
- This revision limits the size of sign panels mounted with this type of support system to 1.2 meters / 48 inches wide and 1.5 meters / 60 inches in height. It limits sign panel assemblies to 1.2 meters / 48 inches wide.
- The cost impact is expected to be negligible.
- Design Guidance:

Designers are instructed to use ground mountings for sign panel assemblies when groups of signs are mounted side by side with more than two horizontal sign panels.

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IMPLEMENTATION:

- Main Office Design Quality Assurance Bureau will insert the Standard Specification Shelf Note into contract proposals beginning with projects submitted for the letting of 05/07/2009.

TRANSMITTED MATERIALS: This EI transmits standard specification shelf note *Pole-Mounted Sign Support Systems*. Both metric and U. S. Customary versions of the shelf note are attached.

CONTACT: Direct questions regarding this issuance to Loretta Montgomery of the Design Quality Assurance Bureau at (518) 485-9674 or via e-mail at lmontgomery@dot.state.ny.us.

POLE MOUNTED SIGN SUPPORT SYSTEM

Make the following changes to the Standard Specification of May 4, 2006 Section 645 Signs as modified by EI 07-019.

delete **645-2.07 Pole-Mounted Sign Support Systems** in its entirety and *replace* with the following:

“645-2.07 Pole-Mounted Sign Support System. Bands, brackets, hardware, and fasteners necessary to mount a sign panel or a sign panel assembly on traffic signal poles, street lighting poles or other poles shall be stainless steel. Bands shall be a minimum of 20 mm x 0.5 mm. Other methods of attachment may be substituted with prior written approval of the Engineer. A sign panel assembly is defined as a group of contiguous sign panels with a maximum separation of 150 mm.”

delete **645-3.07 Pole-Mounted Sign Support Systems** in its entirety and *replace* with the following:

“645-3.07 Pole-Mounted Sign Support System. Pole-Mounted Sign Support System, as defined in 645-2.07, shall be firmly attached to the pole in accordance with the standard sheets and/or manufacturer's instructions.

A. Panels without Z-bar stiffeners:

Sign panels less than or equal to 450 mm wide, shall be attached to the pole with at least two bands. Sign panels less than or equal to 450 mm wide and longer than 750 mm, shall be attached to the pole with at least three bands.

B. Panels and assemblies with Z-bar stiffeners:

Sign panels greater than 450 mm wide and sign panel assemblies shall be banded to the pole at each horizontal Z-bar stiffener, as shown on the standard sheets.

Sign Panels mounted with this type of sign support shall not be greater than 1.2 meters wide, and shall not be greater than 1.5 meters in height. Sign panel assemblies mounted with this type of sign support shall not be greater than 1.2 meters wide.”

delete **645-4.07 Pole-Mounted Sign Support System** in its entirety and *replace* with the following:

“645-4.07 Pole-Mounted Sign Support System. The work will be measured as the number of pole-mounted sign support systems satisfactorily installed.”

delete **645-5.07 Pole-Mounted Sign Support Systems** in its entirety and *replace* with the following:

“645-5.07 Pole-Mounted Sign Support System. The unit bid price for each pole-mounted sign support system shall include the cost of furnishing all labor, materials and equipment necessary to install the sign panel or sign panel assembly on a pole, regardless of the number of bands used.

New or relocated sign panels or sign panel assemblies and any required Z-bar stiffeners will be paid under their respective items.”

POLE-MOUNTED SIGN SUPPORT SYSTEM

Make the following changes to the Standard Specifications of May 1, 2008:

delete 645-3.07 Pole-Mounted Sign Support Systems in its entirety and **replace** with the following:

“645-3.07 Pole-Mounted Sign Support System. Pole-Mounted Sign Support System, as defined in 645-2.07, shall be firmly attached to the pole in accordance with the standard sheets and/or manufacturer's instructions.

A. Panels without Z-bar stiffeners:

Sign panels less than or equal to 18 inches wide, shall be attached to the pole with at least two bands. Sign panels less than or equal to 18 inches wide and longer than 30 inches, shall be attached to the pole with at least three bands.

B. Panels and assemblies with Z-bar stiffeners:

Sign panels greater than 18 inches wide and sign panel assemblies shall be banded to the pole at each horizontal Z-bar stiffener, as shown on the standard sheets.

Sign Panels mounted with this type of sign support shall not be greater than 48 inches wide, and shall not be greater than 60 inches in height. Sign panel assemblies mounted with this type of sign support shall not be greater than 48 inches wide.”