
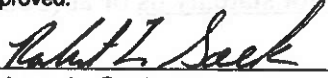


<b>SUPERSEDED BY</b> <b>EB 15-031</b> <b>EFFECTIVE 9/28/15</b>		New York State Department of Transportation <b>ENGINEERING</b> <b>INSTRUCTION</b>	<b>EI</b> <b>07-004</b>
<b>Title: REVISIONS TO STANDARD SPECIFICATIONS SECTION 730 SIGNS AND DELINEATORS</b>			
<b>Distribution:</b> <input checked="" type="checkbox"/> Manufacturers (18) <input checked="" type="checkbox"/> Local Govt. (31) <input checked="" type="checkbox"/> Agencies (32) <input type="checkbox"/> Surveyors (33) <input checked="" type="checkbox"/> Consultants (34) <input checked="" type="checkbox"/> Contractors (39) <input type="checkbox"/> _____ ( )		<b>Approved:</b>  Robert L. Sack, PE Deputy Chief Engineer (Research) 21 Feb 07 Date	

**ADMINISTRATIVE INFORMATION:**

- This Engineering Instruction (EI) is effective beginning with projects submitted for the letting of 09/06/07.
- This EI does not supersede any other issuance.
- The revisions issued with this EI will be incorporated into a future update of the Standard Specifications.

**PURPOSE:** This EI issues revisions to Section 730 *Signs and Delineators* of the Standard Specifications of May 4, 2006.

**TECHNICAL INFORMATION:**

- These revised specifications support the Department's efforts in revising the standard specifications for Section 619 *Maintenance and Protection of Traffic* and for Section 646 *Delineators, Reference Markers, and Snowplowing Markers*.
- This revision provides simpler material requirements for Contractor supplied temporary devices, as durability is not a risk to the Department.
- Unused sign sheeting character types (Type III and VI) have been eliminated.
- A material specification for temporary rigid lightweight sign panels has been added.
- The following new subsections have been added to Section 730 *Signs and Delineators*:
  - §730-03 *Temporary Rigid Lightweight Sign Panels*
  - §730-19 *Temporary Wooden Sign Posts*
  - §730-20 *Delineator, Reference Marker, and Snowplowing Marker Posts*
- The following subsection of Section 730 *Signs and Delineators* has been revised:
  - §730-02 *Temporary Plywood Sign Panels*
- The following subsections have been deleted from Section 730 *Signs and Delineators*:
  - §730-09 *Tubular Markers*
  - §730-11 *Reflective Sheeting Sign Characters (Type III)*
  - §730-14 *Reflective Sheeting Sign Characters (Type VI)*
  - §730-20 *Sign Posts and Footings*

**IMPLEMENTATION:**

- Main Office Design Quality Assurance Bureau will insert the standard specification shelf note beginning with projects submitted for the letting of 09/06/07.

**TRANSMITTED MATERIALS:** Attached is a Standard Specifications Shelf Note *Signs and Delineators*.

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**BACKGROUND:** This is the second of several steps required to update Maintenance and Protection of Traffic specifications. Other steps will include revision to Section 619 *Maintenance and Protection of Traffic*, issuance of design guidance, and issuance of construction inspection guidance.

**CONTACT:** Direct questions regarding this issuance to Pat Galarza of the Materials Bureau via e-mail at [PGalarza@dot.state.ny.us](mailto:PGalarza@dot.state.ny.us) or at (518) 457-4599 or to Brian DeWald of the Office of Construction via e-mail at [BDeWald@dot.state.ny.us](mailto:BDeWald@dot.state.ny.us) or at (518) 457-6472.

## SIGNS AND DELINEATORS

Make the following changes to the Standard Specifications of May 4, 2006:

Page 973-974, Delete §730-02 through §730-04 and Replace them with the following:

### 730-02 TEMPORARY PLYWOOD SIGN PANELS

**SCOPE.** These specifications cover plywood sign panels used for temporary signs in work zones.

**MATERIAL REQUIREMENTS.** Temporary plywood sign panels shall be fabricated from exterior type plywood with a medium density overlay. Plywood shall be a minimum of 11.9 mm thick. The backs and edges of temporary plywood sign panels shall be painted white.

The surface of temporary plywood sign panels to be overlaid with reflective sheeting shall be prepared in accordance with the manufacturer's requirements.

**BASIS OF ACCEPTANCE.** Upon request, the Contractor shall provide a material certification that the product conforms to this specification.

### 730-03 TEMPORARY RIGID LIGHTWEIGHT SIGN PANELS

**SCOPE.** This specification covers the material requirements for rigid lightweight sign panels used in the fabrication of temporary construction signs no larger than 1200 mm by 1200 mm.

**MATERIAL REQUIREMENTS.** Temporary rigid lightweight plastic sign panels shall consist of at least two parallel surfaces of plastic, aluminum or composite separated by plastic foam, filler or stiffeners/spacers; a single piece of plastic extrusion simulating this construction; or other lightweight composites to be overlaid with reflective sheeting. External stiffeners may be used to provide strength or to attach the panel to posts. Sign panels shall not deflect from the flat surface plane more than 6 mm at any point. Sign panels shall not warp and flex in a manner that reduces the required sign legibility and/or conspicuity.

If through bolting is used to attach the panel to the stiffeners, or to attach the panel directly to the posts, the bolt heads shall be provided with clear washers to minimize obscuring the legend. The backs of temporary rigid lightweight plastic sign panels shall be a uniform light color or shall be painted white.

The surface of temporary rigid lightweight sign panels to be overlaid with reflective sheeting shall be prepared in accordance with the manufacturer's requirements.

**BASIS OF ACCEPTANCE.** Upon request, the Contractor shall provide a material certification that the product conforms to this specification.

### 730-04 (VACANT)

Page 976-977, Delete §730-09 and Replace it with the following:

### 730-06 THRU 730-09 (VACANT)

Page 978-979, Delete §730-11 and Replace them with the following:

### 730-11 (VACANT)

## SIGNS AND DELINEATORS

Page 979-981, Delete §730-14 to §730-20 and Replace them with the following:

### 730-14 THRU 730-18 (VACANT)

#### 730-19 TEMPORARY WOODEN SIGN POSTS

**SCOPE.** This specification covers the material requirements for temporary wooden sign posts.

**MATERIAL REQUIREMENTS.** Wooden sign posts shall be untreated surface dried redwood, red cedar, cypress or black locust; or pressure treated spruce, pine, fir, oak, birch, maple or beech. Posts shall be pressure treated in accordance with §708-31 *Wood Preservative - Water Borne*.

All 89 mm x 140 mm posts shall have two 38 mm diameter breakaway holes drilled through the center of the post parallel to the sign face 100 mm and 450 mm above grade and filled with flexible caulk. All 140 mm x 190 mm posts shall have two 75 mm diameter breakaway holes drilled through the center of the post parallel to the sign face 100 mm and 450 mm above grade and filled with flexible caulk.

**BASIS OF ACCEPTANCE.** Upon request, the Contractor shall provide a material certification that the product conforms to this specification.

#### 730-20 DELINEATOR, REFERENCE MARKER AND SNOWPLOWING MARKER POSTS

**SCOPE.** These specifications cover the material requirements for steel posts used to support delineators, reference markers, and snowplowing markers.

**MATERIAL REQUIREMENTS.**

Posts shall be fabricated of steel meeting the requirements of §715-01 *Structural Steel* or any of the following steel types:

- ASTM A1
- ASTM A36
- ASTM A499 (Grade 60, Grade 70, Grade 80SP)
- ASTM A500 (Grade B)
- ASTM A570 (Grade 60)
- ASTM A653 (Grade 55)
- ASTM A1011

After fabrication (punching, drilling, etc.) all steel posts shall be galvanized, and all damage to the galvanized surfaces due to handling, shipment, erection, etc., shall be repaired, in accordance with the applicable requirements of §719-01 *Galvanized Coatings and Repair Methods*.

**BASIS OF ACCEPTANCE.** Posts will be accepted on the basis of a material certification that the product conforms to this specification.