# TELESCOPING STEEL SIGN SUPPORT

Updated: 09/15/2023

**Description:** This work shall consist of furnishing and installing telescoping steel sign supports for ground-mounted or pavement mounted signs according to the detail shown on the plans and as described herein. This work shall include all telescoping sign posts, signs bases, and all other materials required to install the telescoping steel sign supports as detailed on the plans. This work will apply to signs mounted in both soil as well as concrete or asphalt surfaces.

**Materials:** Materials shall be according to the following:

1. Telescoping Sign Post: The post shall be a square tube formed of 12-gauge steel according to the standard specification for cold rolled carbon steel sheets commercial quality ASTM A 1008 (A 1008M). The post shall be formed to size and, if necessary, shall be welded in such a manner that weld or flash shall not interfere with telescoping. Holes 7/16” (+/- 1/64”) will be spaced on 1-inch centers on at least two opposite sides. The holes shall align to accept a 3/8-inch bolt through the post at any location. The post shall have a smooth galvanized finish applied either before or after forming. For all other requirements, refer to Section 1093 of the “Standard Specifications”.
2. Sign Bases:
   1. Soil Installation / Ground Mount: Use KDOT detail “Specifications Telescoping Sign Post & Soil Base” unless otherwise approved by the Engineer. See Plan details on modified hardware requirements. (This detail is similar to IDOT’s 728001-01 detail for a Ground Mount Detail)
   2. Concrete and Asphalt Installation / Pavement Mount: Use KDOT detail “Specifications Concrete & Asphalt Bases” unless otherwise approved by the Engineer. See Plan details on modified hardware requirements. (This detail is similar to IDOT’s 728001-01 detail for a Pavement Mount Detail)

**Installation:** Installation shall be according to 728.04 except as noted below:

1. Pavement Mount: may be installed before paving operation must utilize an 8 inch diameter schedule 40 PVC conduit secured in place and centered at the location where the sign base is to be installed. If sign base is installed after paving operations, the pavement may be cored at 8 inch diameter. Both methodologies shall be establish a cylindrical void as deep as the pavement section or 10 inches, whichever is greater.

The 2 ¼ x 2 ¼ base section shall be driven to a minimum depth of 5 feet (1.5m) measured from the pavement surface. After sign base and sleeve are installed, the remaining voids in the 8 inch diameter cylindrical section shall be backfilled with pea gravel (CA-15) to be level with surrounding pavement.

**Method of Measurement:** This work will be measured for payment in feet of telescoping steel sign post installed.

**Basis of Payment:** This work will be paid for at the contract unit price per foot for TELESCOPING STEEL SIGN SUPPORT. The unit price shall include all equipment, materials and labor required to install the posts as described and as detailed on the plans. Payment shall not be issued until signs are accepted by Kane County.