SPAN SIGN STRUCTURE NOTES

1) Design according to FDOT Structures Manual. Alternate Designs are not allowed.
2) Submit shop drawings for all work. Include:
   a. Field verification of all upright heights.
   b. Foundation elevations necessary to ensure minimum clearance as per traffic plans.
   c. Anchor bolt orientation with respect to centerline of truss and the direction of traffic.
   d. The method to be used to provide the required parabolic camber. (See Camber Diagram)
3) Shop Fabrication, Assembly, Handling and Shipping:
   a. Do not begin fabrication before receiving shop drawing approval.
   c. Shop assemble the entire structure after galvanizing and prior to shipment.
   d. If necessary, disassemble and secure components for shipment.
4) Sign Structure Materials:
   a. Upright and Chords (Steel Pipes): API 5L X42 (42 ksi yield) or ASTM A500, Grade B.
   b. Steel Angle: ASTM A 709, Grade 36.
   c. Steel Plate: ASTM A 709, Grade 36.
   d. Weld Metal: E70XX.
   e. Bolts: ASTM A522, Type 1, (Fastener Specification Section DD) with single self-locking nuts.
   f. Anchor Bolts: ASTM F1554, Grade 55 with ASTM A563 Grade A heavy hex double nuts.
   g. Install all nuts per manufacturer’s instructions.
   h. Bolt hole diameters equal to the bolt diameter plus 0.65".
   i. Anchor bolt hole diameters equal to the bolt diameter plus 0.55".
6) Bolts:
   a. Upright and Chords (Steel Pipe): API 5L X42 (42 ksi yield) or ASTM A500, Grade B.
   b. Steel Angle: ASTM A 709, Grade 36.
   c. Steel Plate: ASTM A 709, Grade 36.
   d. Weld Metal: E70XX.
   e. Bolts: ASTM A325 Type 1, (install per Specification Section 700) with single self-locking nuts.
   f. Anchor Bolts: ASTM F1554, Grade 55 with ASTM A563 Grade A heavy hex double nuts.
   g. Install all nuts per manufacturer’s instructions.
   h. Bolt hole diameters equal to the bolt diameter plus 0.65".
   i. Anchor bolt hole diameters equal to the bolt diameter plus 0.55".
7) Field verification of all upright heights.
8) Prior to erection, record the as-built anchor locations and provide to the Engineer.
9) Provide a parabolic camber with the maximum upward deflection as shown on the Camber Diagram.
10) Locate Chord splices a minimum of 3 truss panel lengths apart. Chord splices may be either the Standard splice or the Alternate splice but not both on this structure. Upright splices are not allowed.
11) Field verification of all anchor locations and provide to the Engineer.
12) Verify CSL access tubes will not interfere with anchor bolt installation before excavating the shaft. When CSL access tube locations conflict with anchor bolt locations, move the CSL access tube location 18 inches along the inner circumference of the reinforcing cage. Notify the Engineer before excavating the shaft if the CSL access tube locations cannot be moved out of conflict with anchor bolt locations.

NOTE: See Plans for Span Sign Structure.