

Diary Number: _____

Inspector Name: _____

TRACS Number: _____

Date: _____

Division VI: Structures
Title: Tapered Tube Structures

Plans Reference Number
Structure Sheet Number
Route
Station
Offset (Feet)

Attribute Numbers	Compliance	Narratives	References
0.		All stakeholders have participated in the pre-activity meeting (can be combined with other pre-activity).	Recommended
1.		All shop drawings are submitted and approved by the engineer prior to fabrication of the sign structure with a copy on site to verify by the inspector.	Standard Specifications 105.03 Standard Specifications 606-3.01
2.		Approved certificates of analysis with all required information are submitted for all structural steel.	Standard Specifications 106.05 Standard Specifications 606-2.01
3.		The Certificates of Compliance to which state that steel or iron products incorporated into the project meet the Buy America Act requirements', certifying that all manufacturing processes producing a steel or iron product, including any application of a coating to iron or steel, occurred in the United States.	23 CFR Part 635.410 Special Provisions 106.05
4.		No structure is placed within the clear zone (typically 30') unless protected by crash cushions, guardrail or concrete barrier.	Roadside Design Guide
5.		High Strength Bolts, Nuts, Washers, or Anchor Bolts. Certificate of Analysis required and three samples per lot, or 0.1% of lots in excess of 3000, for each bolt diameter, including nuts and washers.	Construction and Materials, Materials Quality Assurance. Appendix C
6.		The survey reference points have been placed and are in accordance with project plans or approved survey outline.	Standard Specifications 925-3

7.		The offset from the roadway and or edge line is in accordance with the project plans or approved change.	Standard Specifications 606-1
8.		Blue stake / AZ811 is done prior to any excavation (locating utility lines, pipes, box culverts, sleeves etc.).	Standard Specifications 107.15
9.		The drilled shaft foundation dimensions are in accordance with the project plans.	Plan Sheets Standard Specifications 606-3.05 Standard Specifications 609-1
10.		Reinforcing steel bars conforms to ASTM A-615, Grade 40.	Signing and Marking Standard Drawings S-11 (1 or 3 of 4) Special Provisions 606-2.07 Standard Specifications 606-2.07
11.		25' of bare copper coil ground wire #4 AWG is installed in the foundation before placement of concrete.	Signing and Marking Standard Drawings S-11 (1 or 3 of 4)
12.		All anchor bolts for the sign foundation are in accordance with the specified requirements. ASTM A36	Signing and Marking Standard Drawings S-11 Standard Specifications 606-2.05
13.		All bolts, nuts and washers shall be cadmium plated in accordance with (ASTM B 766 or Zinc plated with the requirements of ASTM B 633)	Signing and Marking Standard Drawings S-11 Standard Specifications 606-2.05
14.		Concrete for all sign structure foundations shall be Class "S" (3000 PSI unless otherwise stated) conforming to the requirements of Section 1006.	Signing and Marking Standard Drawings S-11 Standard Specifications 1006 Standard Specifications 606-2.06
15.		Concrete is placed and finished in accordance with the drilled shaft requirements.	Standard Specifications 609-1.01 Standard Specifications 609-3.07 (B)
16.		An approved curing method is applied to the top of the drilled shaft.	Standard Specifications 1006-2.05 Standard Specifications 1006-6
17.		The copper ground wire is connected to the pole ground screw located in the hand hole after structure columns are installed.	Signing and Marking Standard Drawings S-11 (2 or 4 of 4)
18.		All high strength connection bolts are tightened in accordance with AISC requirements (turn-of-nut method or calibrated wrench method).	Signing and Marking Standard Drawings S-11 (1 or 3 of 4)
19.		The beam splice is bolted together with size Grade A 325 Hex bolts with Nuts & Washers torqued to the manufacturer's requirements.	Signing and Marking Standard Drawings S-11 (4 of 4)

20.		The structure is plumbed after it has been erected using Leveling hex nuts and hardened steel washers for each bolt.	Signing and Marking Standard Drawings S-11 (1 of 4)
21.		The post hand hole is faced away from traffic with a height of one foot from the top of the base plate to the bottom of the hand hole.	Signing and Marking Standard Drawings S-11 (1 or 3 of 4)
22.		Non shrink grout conforms to the requirements of the Corps of Engineers.	Standard Specifications 606-2.08
23.		Non shrink grout is mixed, handled, and placed in accordance with the manufacturer's recommendations.	Standard Specifications 606-2.08
24.		Non-shrink grout is placed between the base plate elevation and the top of the foundation (put high and low dimensions in comments).	Signing and Marking Standard Drawings S-11 (2 or 4 of 4)
25.		Vertical clearance is a minimum of 18' from the high point of the pavement to the bottom of the vertical sign supports.	Signing and Marking Standard Drawings S-11 (1 or 3 of 4)
26.		The sign area does not exceed the maximum limit for the structure (check Structure Mast Arm Length for the Max sign area limits, and Notes).	Signing and Marking Standard Drawings S-11 (1 or 3 of 4)
27.		Quantlist Minimum Frequency is being followed, one per unit.	Construction Bulletin 07-01