Butterfly Sign Structure Foundation

Pay Item: butterfly sign structure foundation includes the drilled shaft and the anchor bolt assembly.

Pay Item: butterfly sign structure foundation in the median with concrete Barrier includes the drilled shaft, the formed pedestal on drilled shafts, and the anchor bolt assembly. For median formed pedestal details not shown here, see SD 9.10 (S of 5).

WELDING NOTES:
Welding of structural tubing shall conform to the requirements of the American Welding Society (AWS), Structural Welding Code, latest edition.

All other welding shall conform to the requirements of the American Welding Society (AWS/AASHTO) D1.1, latest edition.

Prior to erecting any portion of the sign structure, the Contractor shall provide the Engineer an erection plan for review and approval.

Dimensions shall not be scaled from drawings.

GENERAL NOTES:


Wind Loading: 90 MPH Velocity.

All concrete shall be Class "S" (f'c = 3,500 psi).

Reinforcing steel shall conform to ASTM A615 specification and shall be furnished as Grade 60.

Structural Steel shall conform to ASTM A36 specification unless noted otherwise.

All connection bolts shall be high strength bolts conforming to ASTM F3125 Grade 12.9.2 Specification. High strength bolts, nuts and washers shall be furnished in accordance with the requirements of ASTM F3125. All other steel shall be galvanized after fabrication in accordance with the requirements of ASTM A123.

All Tubular Structural Pipes shall be welded or seamless steel pipes and shall conform to the ASTM specifications listed below:

- A53 Grade B Type E or S (See Section 1 on sheet 4 of 7)
- A106 Grade B Type S only (See Section 1 on sheet 4 of 7)
- API 5L grade B X 42 Type E or S (See Section 1 on sheet 4 of 7)
- API 5L grade B X 60 Type E or S (See Section 1 on sheet 4 of 7)
- A500 Grade B (See Section 1 on sheet 4 of 7)

Prior to erecting any portion of the Sign Structure, the Contractor shall provide the Engineer an erection plan for review and approval.

Dimensions shall not be scaled from drawings.

WELDING NOTES:
Welding of structural tubing shall conform to the requirements of the American Welding Society (AWS), Structural Welding Code, latest edition.

All other welding shall conform to the requirements of the American Welding Society, AASHTO/D1.1, Bridge Welding Code, latest edition.

All welding shall be continuous unless noted otherwise.

All butt welds shall be full penetration using prequalified welding procedures, and shall be tested by ultrasonic testing.

All butt welds shall be ground flush, full width, grinding striations shall be parallel to length of member.