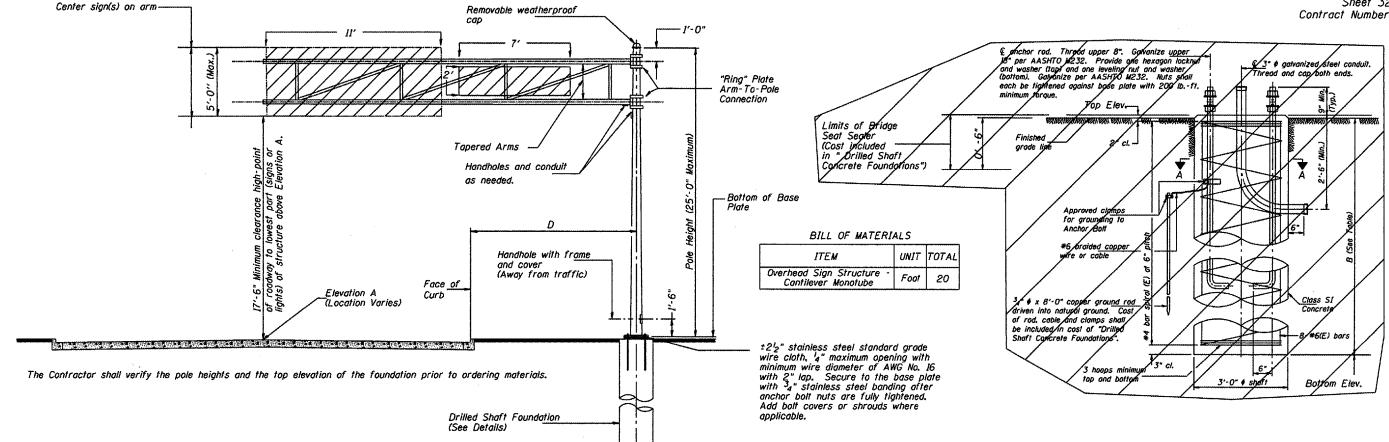


Various Routes OVD SIN STR REP & REPL 2005-12 Various Counties Sheet 32 of 82 Contract Number 44872



				Foundation						Dimension (Feet)		
Structure Number	Station	Elev. A (Feet)	Length (Feet)	Top Elev. (Feet)	Bottom Elev. (Feet)	Total Sign Area	Design Sign Area	D (Feet)	Ou (Actual)	В	B (Actual)	Class SI Concrete (Cu. Yds.)
2M098S078R018.05	N/A		20			69 SQ FT	100 SQ FT	N/A				
		-										

GENERAL NOTES

ELEVATION

Looking at face of signs.

DESIGN: 1994 AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals.

CONSTRUCTION: Current (at time of letting) Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Supplemental Specifications and Recurring Special Provisions. ("Standard Specifications") All references to "Mast Arm Assembly and Pale" are applicable, unless otherwise noted.

WELDING: All welds to be continuous unless otherwise shown. All welding to be done in accordance with current AWS DL1 Structural Welding Code and the Standard Specifications.

ANCHOR RODS: Shall meet Charpy V-notch (CVN) energy of 15 lb.-ft. at 40° F. No welding shall be permitted on rods.

FASTENERS: All connection bolts shall be High Strength Balts MI64, Galvanize M232 (A153),

Type 3. or Stainless Steel conforming to ASTM A193. Grade B8 or B8M, Class 1.

REINFORCEMENT BARS: Reinforcement Bars designated (E) shall be epoxy coated in accordance with the Standard Specifications.

FOUNDATIONS: The controct unit price for "Concrete Foundations" or "Drilled Short Concrete Foundations" spoil include: All necessary excavation or drilling (except in rock), backfilling with excavated material; disposal of unsuitable or surplus material; formwork, and furnishing and placing the Class SI Concrete, reinforcement baps, conduit, anchor boths, nuts, washers

New monotube cantilever to be installed on existing concrete foundation with existing anchor bolts. The Contractor

shall provide new anchor bolt nuts and washers as necessary. The Contractor and the Engineer shall field verify the existing anchor bolt dimensions, anchor bolt pattern and pole height prior to ordering materials and fabrication of the

and placing the Class SI Concrete, reinforcement bags, conduit, anchor bods, nuts, washers and graphal rods complete in place.

The foundation details shown are based on common cohesive sail conditions (silty or saply clay) with an average Ou ≥ 1.25 tan/sq. ft. and minimum Ou = 1.0 tan/sq. ft. for all strata within the "B" partion of the foundation. "Ou", the soil's (inconfined compressive strength, shall be determined by the Engineer from either hand penetrometer readings during construction or previous sail investigations at the site. For lower sail strengths or different sail types, the Engineer spall review pertinent glata and determine any required revisions to the diameter, depth, peinforcement or configuration of the foundation. If changes are required by the Engineer, or if dimension "B" is increased mare than 12" by the Contractor, "as-built" plans shall be prepayed by the Resident Engineer and submitted to the Engineer and District Bureau of Operations for future reference. Actual "B", "Elevation Bottom", and overage "Ou" values shall also be entered in the table on this spect for permanent reference.

No sonatubes of decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left by place below that elevation without the Engineers written permission. Excavations shall be dewatered before concrete placement if directed by the Engineer at no additional cost.

Cancrete shall be placed manalithically, without gonstruction joints.

#4 bar spiral (E)

Bon Circle
as specified
3'-0' 

SECTION A-A

OVERHEAD SIGN STRUCTURE CANTILEVER MONOTUBE

District 2
Truss Repair & Replacement

DESIGNED

CHECKED

EXAMINED

ENGINEER OF STRUCTURAL SERVICES
PASSED

CHECKED

CHECKED

Revised 3/24/05