STATE OF ILLINOIS OVD SIN STR REP & REPL 2005-12 · Grind anchor rod to bright finish DEPARTMENT OF TRANSPORTATION at around clamp location before installing clamp. Contract Number 44872 " 🕈 galvanized steel conduit. 3'' 🛊 galvanized steel conduit. Distance to edge of pavement Thread and cap both ends. Distance to edge of pavement Thread and cap both ends. -#4 bar spiral (E) 10-#9 v(E) bars Anchor Rod equally spaced Circle Diameter 3'-6", maximum 2'-0", minimum 3'-6", maximu 2'-0", minimu For details of anchor rods and positioning templates see Truss Support Post Base Sheets OSC-A-4 and OSC-A-5. SECTION A-A 3'-0" \$ shaft TEM · AREA #4 bar spiral (E) 12-#8 v(E) bars equally spaced Anchor Rod Circle Diameter Approved clamps Approved clamps for grounding to for grounding to Anchor Rod\* Anchor Rod\* For details of anchor rods #6 braided copper #6 braided copper and positioning templates see wire or cable wire or cable Truss Support Post Base 3" cl.-Sheets OSC-A-4 and OSC-A-5. SECTION B-B 3" cl. ~ 3'-6" \$ shaft 3<sub>4</sub>" ♠ x 10'-0" copper ground rod driven into natural ground. 34" \$ x 10'-0" copper ground rod driven into natural ground. 10-#9 v(E) bars Cost of rod, cable and clamps equally spaced Cost of rod, cable and clamps shall be included in cost of shall be included in cost of Drilled Shaft Concrete Foundations. Drilled Shaft Concrete Foundations. D D #4 bar spiral (E) 3" cl. for Type II-C-A and III-C-A Trusses 3'-0" \$ shaft Elevation 3'-6" # shaft -for Type I-C-A Truss 3 hoops minimum #4 bar spiral (E) top and bottom **ELEVATION** ELEVATION 3 hoops minimum SECTION C-C top and bottom 3'-0" \$ shaft

The foundation dimensions shown in the Foundation Design Table are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Ou) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown in the Foundation Data Table will be the result of site specific designs.

If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.

No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.

Concrete shall be placed monolithically, without construction joints.

Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.

A normal surface finish followed by a Bridge Seat Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in "Drilled Shaft Concrete Foundation".

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DESIGNED .	- 20
CHECKED -	EXAMINED
DRAWN -	PASSED ENGINEER OF BRIDGE DESIGN
<del>/</del>	ENGINEER OF BRIDGES AND STRUCTURES
CHECKED -	
OSC-A-9	1-7-05

NUMBER	REVISION	DATE		
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			FOUNDAT	ION DATA T	ABLE				, ,	
Structure Number	Station	Truss Type	Shaft Diameter	Elevation Top	Elevation Bottom	Ou	А	8	F.	Class SI Concrete Cubic Yards
2C081S092L029.5	332 + 50	I	3′-0"	578.87			3'-0"	15' - 6"	<i>18' - 6</i> "	4.9
2C08IS092L028.8	369 + 75	I	3′-0"	575.20			3'-0"	15' - 6"	18' - 6"	4.9
2C08IS092L029.4	342 + 50		3′-0"	572.2 <b>4</b>			3'-0"	15′ - 6"	18' - 6"	4.9
2C081S092R028.6	383 + 00	+	3'-0"	595.00			3'-0"	15' - 6"	18' - 6"	4.9

Truss Type	Post Base Sheet	Maximum CantileverLength (ft)	Maximum Total Sign Area (sq ft)	Shaft Diameter (in)	"B" Depth (ft)	Anchor Rods		Anchor Rod
						No.	Diameter (in)	Circle Diameter (in)
I-C-A	05C-A-4	25	170	3.0	16.0	8	2	22
II-C-A	0SC-A-5	30	170	3.5	17.0	12	2	30
II-C-A	0SC-A-5	30	340	3.5	21.5	12	2	30
III-C-A	OSC-A-5	35	170	3.5	19.0	12	2	30
III-C-A	0SC-A-5	35	250	3.5	22.5	12	2	30
III-C-A	0SC-A-5	35	400	3.5	26.5	12	2	30
III-C-A	0SC-A-5	40	400	3.5	32.0	12	2	30

CANTILEVER SIGN STRUCTURES DRILLED SHAFT ALUMINUM TRUSS & STEEL POST

SECTION D-D

3'-6" Ø shaft

12-#8 v(E) bars

equally spaced

Various Routes

Various Counties

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District 2 Truss Repair & Replacement