

Approved clamps for grounding to Anchor Rod*

#6 braided copper

3 hoops minimum

wire or cable

 $\frac{3}{4}$ " ϕ x 10'-0" copper ground

rod driven into natural ground.

Cost of rod, cable and clamps

Drilled Shaft Concrete Foundations.

shall be included in cost of

Elevation

for Type II-C-A and III-C-A Trusses

For details of anchor rods and positioning templates see Truss Support Post Base Sheets OSC-A-4 and OSC-A-5. SECTION B-B 3'-6" \$ shaft

-#4 bar spiral (E)

Anchor Rod

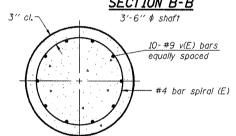
#5 bar spiral (E)

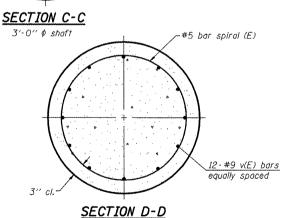
Circle Diameter

For details of anchor rods

and positioning templates see Truss Support Post Base

Sheets OSC-A-4 and OSC-A-5.





3'-6'' Ø shaft

Approved clamps for grounding to Anchor Rod*

#6 braided copper

wire or cable

³4'' φ x 10'-0" copper

ground rod driven into

rod, cable and clamps

Foundations.

natural ground. Cost of

shall be included in cost

of Drilled Shaft Concrete

3 hoops minimum top and bottom

The foundation dimensions shown in the Foundation Design Table are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) 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.

3'-0" \$ shaft

ELEVATION

for Type I-C-A Truss

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

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".

			FOUNDATION DESI	GN TABLE					
	Post Base Sheet	Maximum CantileverLength (ft)	Maximum Total Sign Area (sa ft)	Shaft Diameter (in)	"B" Depth (ft)	Anchor Rods No. Diameter		Anchor Rod Circle Diameter (in)	
I- C- A	0SC-A-4	25	170	3.0	16.0	8	(in) 2	22	
II-C-A	OSC-A-5	30	170	3.5	17.0	12	2	30	
II-C-A	OSC-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	OSC-A-5	35	250	3.5	22.5	12	2	30	
III-C-A	OSC-A-5	<i>3</i> 5	400	3.5	26.5	12	2	30	
III-C-A	0SC-A-5	40	400	3.5	32.0	12	2	30	

			FOUNDAT	ION DATA T	ABLE						
Structure Number	Station	Truss Type	Shaft Diameter	Elevation Top	Elevation Bottom	Qu	A	В	F	Class DS Concrete Cubic Yards	
5 C 057 U055 L000.40	60+19	II-C-A	3'-6"	807.25	780.75		4'-6"	22'-0"	26'-6"	9.5	
							(Currently,				
							but will be				
							3'-0" ofter				
							profile adj.				
							in FY 2014)				

H++++11 11 1+++

44444

ELEVATION

OSC-A-9

9-15-11

.VARIOUS COUNTIES **D-5 OVD SIN STR REPL 2012-06

FILE NAME =	USER NAME ≈ cearlockjd	DESIGNED - JAL	REVISED -		CANTILEVER SIGN STRUCTURES - DRILLED SHAFT			F.A.	SECTION	COUNTY	TOTAL SHEET	
c:\pw_work\pwidot\cearlockjd\d0266557\D	546179-sht-details.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS						Various	178 91	
1	PLOT SCALE = 40.0000 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	ALUMINUM TRUSS & STEEL POST			<u> </u>			T NO. 46179	
	PLOT DATE = 10/7/2011	DATE - 04/26/11	REVISED -		SCALE:	SHEET NO. 24 OF 24 SHEETS	STA. TO STA.	ILLINOIS FED. AID		L		