STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

3" ¢ Galvanized Steel
Conduit. Thread

and cap both ends.

3'-0" ø

END VIEW

Elevation (Top)

Elevation

For anchor rod size and placement, see Support Frame Detail Sheet.

12-#9 v4(E) bars-

3'-0" ¢

 Anchor rod shall be ground or filed to bright metal at clamp and cable connection location.

> Approved clamps for grounding*

> > #6 copper

3'-0" ¢

3₄" \$ x 10'-0" copper weld

ground rod driven into ground 9'-0". Cost of rod, cable, conduit, caps and clamps shall be included in Drilled Shaft Concrete Foundations.

8'-3" € to €

Various Routes
OVD SIN STR REP & REPL 2006-9
Various Counties
Sheet 53 of 114
Contract Number 44904

BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shap
v4(E)	24	#9	F less 5"	
#4 ba	r spiral (E	#9 - see :	ir iess 5" Side Elevatio	on

NOTES:

The foundation dimensions shown 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 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

Permanent metal forms or other sh without the Engineer's written permis Concrete shall be placed monolithice Backfill shall be placed per Article of support column.

A normal surface finish followed by on concrete surfaces above the lower in Drilled Shaft Concrete Foundation.

#9 v4(E)

#4 bar spiral (E)

SECTION A - A

3 hoops minimum / 10p and bottom

11'-3"

11'-5"

7'2"

7'2"

7'2"

8'-3"

SIDE ELEVATION

Structure Number	Station		Left Foundation			Right Foundation				Class SI		
		Station Elevation Top	Elevation Bottom	Α	8	F	Elevation Top	Elevation Bottom	A	В	F	Concrete (Cu. Yds.)
4S090I474R0I2.7	304 ÷ 50	376.65		3' - 0"	<i>16' - 6</i> "	19' - 6"	376.65		3' - 0"	16' - 6"	19' - 6"	20.40
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PLAN

OVERHEAD SIGN STRUCTURES
DRILLED SHAFT DETAILS

District 4 Overhead Sign Structure Repair and Replacement

f*************************************	· .	NUMBER	REVISION	DATE
DESIGNED -	- 20			
CHECKED -	EXAMINED			
	ENGINEER OF BRIDGE DESIGN PASSED	 		
DRAWN -	ENGINEER OF BRIDGES AND STRUCTURES			
CHECKED -				
OCA EZ				
0S4-F3	1-7-05			

DETAILS FOR 10" \$\phi\$ SUPPORT FRAME

TYPE I-A or II-A TRUSS