## BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape				
V4(E)	24	#9	F less 5"					
#4 b	#4 bar spiral (E) - see Side Elevation							

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.

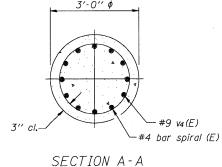
If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District 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 in Drilled Shaft Concrete Foundation.



DETAILS FOR 12" \$ SUPPORT FRAME

TYPE III-A TRUSS

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

END VIEW

6"-

Elevation (Bottom)

3'-0" Ø

3″ ¢ Galvanized Steel

Conduit. Thread

and cap both ends.

Elevation (Top)

В

3'-0" ø

1'-6"

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

## PLAN

9'-0"

9'-0" & to &

Approved clamps for grounding\*

#6 copper

3<sub>4</sub> " \$\phi\$ 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.

SIDE ELEVATION

12'-0"

wire or cable

Structure Number	Station	Station Elevation Top	Left Foundation			Right Foundation				Class DS		
			Elevation Bottom	А	В	F	Elevation Top	Elevation Bottom	А	В	F	Concrete (Cu. Yds.)
2S1011090L01.77	93+50 LT	778.3	751.3	3′	24.0'	27.0′						14.1
							-					
					ļ							
		<u> </u>					1					

0S4 - F4

spiral (E) at 6" pitct

12-#9 v4(E) bars-

3 hoops minimum top and bottom

3'-0" ø

1-20-11

1 '							
	ure LOCHNER	CHECKED - DW REVISED -  PLOT SCALE = DRAWN - JDH REVISED -					
Engineering Ass	HW. LOCHNER, INC., CHICAGO, ILLINOIS		CHECKED	-	DW	REVISED -	
RWA		PLOT SCALE =	DRAWN	-	JDH	REVISED -	
Regina Webster & Associates, Inc. 173-26-248 modRiloghes-sea	QUIGG ENGINEERING INC	PLOT DATE = 10/19/2011	DATE	-	10-21-2011	REVISED -	
<u> </u>							

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

	SIGN STRUCTURES SHAFT DETAILS	_
SHEET NO.	18 OF 20 SHEETS	-

A. TE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
90	(X2-1) R	WINNEBAGO	510	325				
		CONTRACT NO. 64C29						
ILLINOIS FED. AID PROJECT								