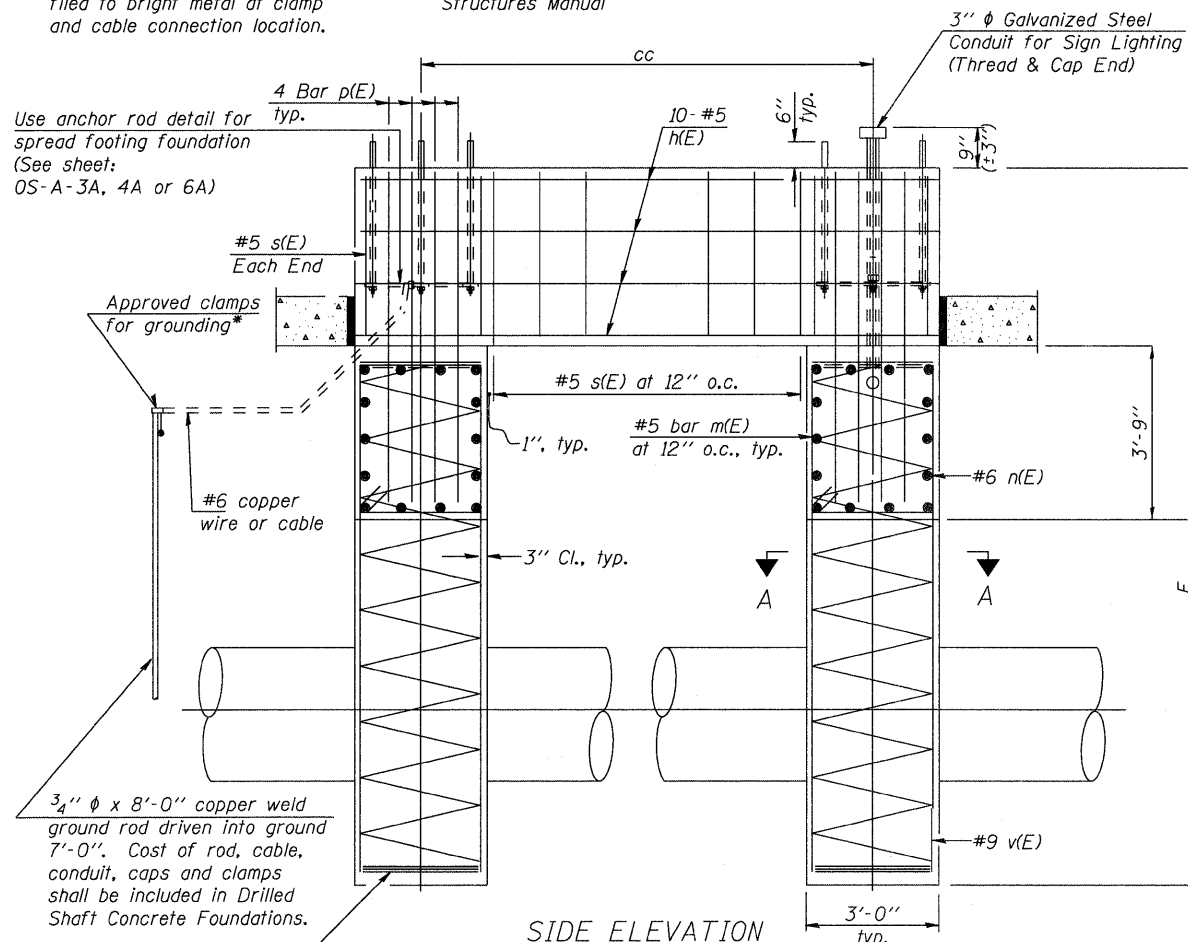


\* Anchor rod shall be ground or filed to bright metal at clamp and cable connection location.

\*\* B = 1/2 the depth given in the Sign Structures Manual



Use anchor rod detail for spread footing foundation (See sheet: OS-A-3A, 4A or 6A)

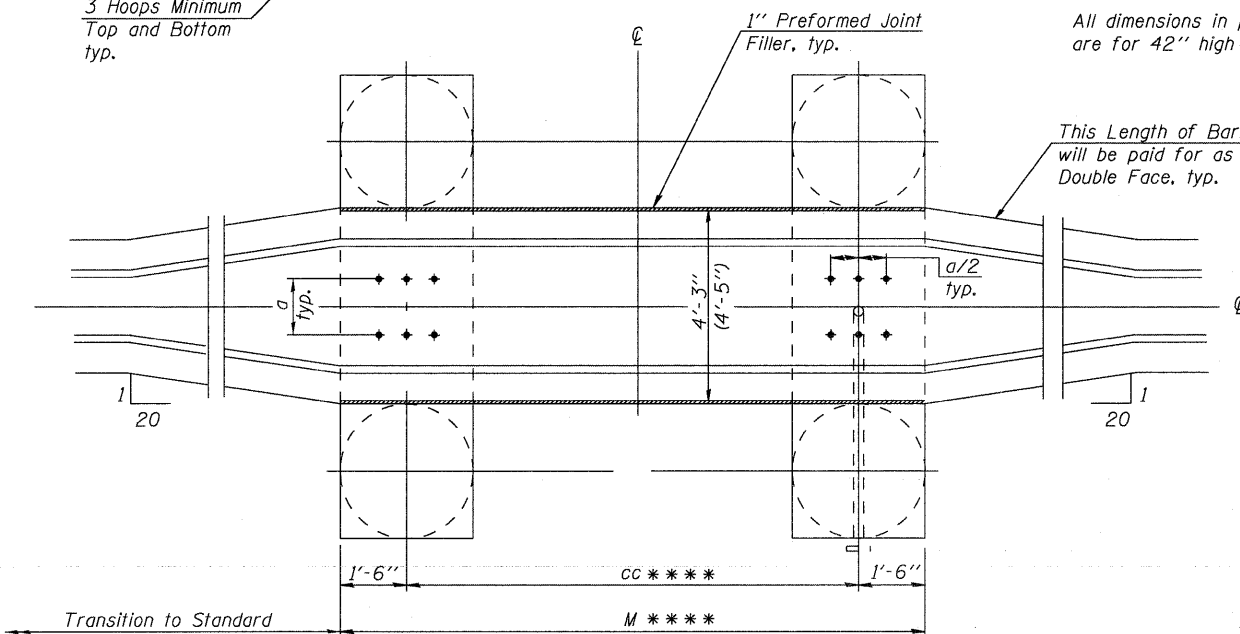
Approved clamps for grounding\*

#6 copper wire or cable

3/4" φ x 8'-0" copper weld ground rod driven into ground 7'-0". Cost of rod, cable, conduit, caps and clamps shall be included in Drilled Shaft Concrete Foundations.

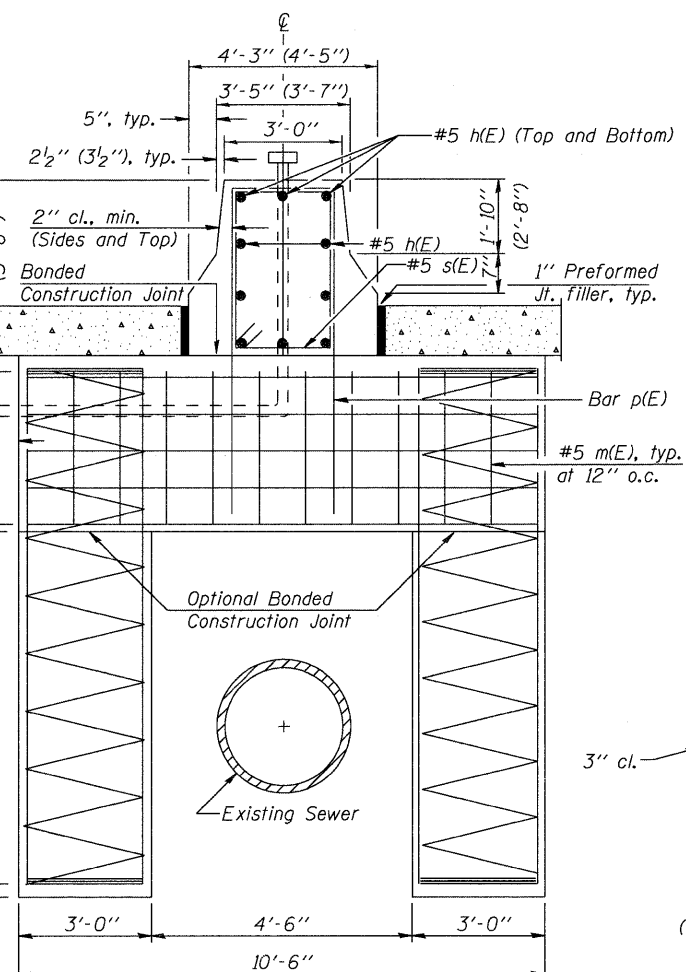
3 Hoops Minimum Top and Bottom typ.

SIDE ELEVATION

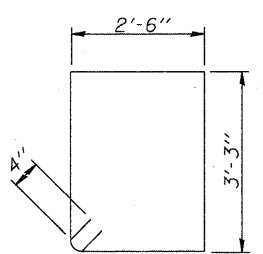


PLAN

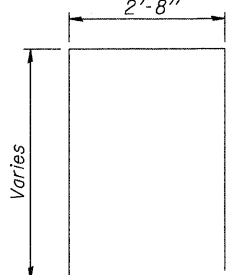
\*\*\* NOTE: FOUNDATION DIMENSION MODIFIED FOR ISTHA SIGN STRUCTURE, SEE SHEETS F1-00 & F3-00 FOR DETAILS.



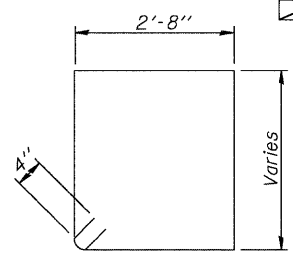
END VIEW (Anchor rods not shown)



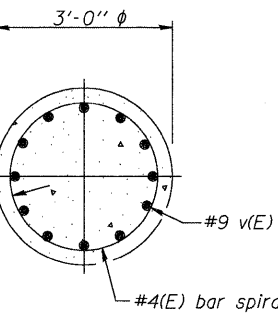
BAR m(E)



BAR p(E)



BAR s(E)



SECTION A-A (Typical for 4 Shafts)

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 in Drilled Shaft Concrete Foundation.

BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
h(E)	10	#5	M less 4"	—
s(E)	Varies	#5	Varies	□
v(E)	48	#9	B less 0'-5"	—
m(E)	22	#5	12'-0"	□
n(E)	28	#6	10'-0"	—
p(E)	8	#5	Varies	□
#4 Bar Spiral - See Side Elevation				

Pipe Support Frames	cc	M	a	a/2
6" φ	7'-0"	9'-6"	0'-11"	5 1/2"
8" φ	7'-6"	10'-0"	1'-1 1/2"	6 3/4"
10" φ	8'-3"	11'-3"	1'-3"	7 1/2"
12" φ	9'-0"	12'-0"	1'-6"	9"

NOTE: ANCHOR BOLT CIRCLE SHALL BE FOR ISTHA SIGN STRUCTURE SEE SHEETS F1-00 & F3-00 FOR DETAILS.

ISTHA TRUSS NO.	cc	M	a	a/2
T-90	5'-11 1/2"	8'-11 1/2"	1'-7"	7 3/4"
T-105	6'-11"	9'-11"	1'-7"	7 3/4"

Structure Number	Station	Left Foundation				Right Foundation				Class DS Concrete (Cu. Yds.)
		Elevation Top	Elevation Bottom	B	F	Elevation Top	Elevation Bottom	B	F	
ISTHA - 90-TR-86&87	126+72 RT	787.60	762.54 ***	20.5' ***	25.06' ***					32.5 ***
ISTHA - 90-TR-125	147+40 RT	781.10	759.04 ***	17.5' ***	22.06' ***					28.7 ***

OS4-MED2

1-20-11

USER NAME =	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED - DW	REVISED -
PLOT DATE = 10/19/2011	DRAWN - JDH	REVISED -
	DATE - 10-21-2011	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES  
MEDIAN SUPPORT FOUNDATION DETAILS II

SHEET NO. 20 OF 20 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	(X2-1) R	WINNEBAGO	510	327
			CONTRACT NO. 64C29	
ILLINOIS FED. AID PROJECT				

\*\*\* FOUNDATION DESIGN NEEDS TO BE CHECKED AGAINST SOIL BORINGS