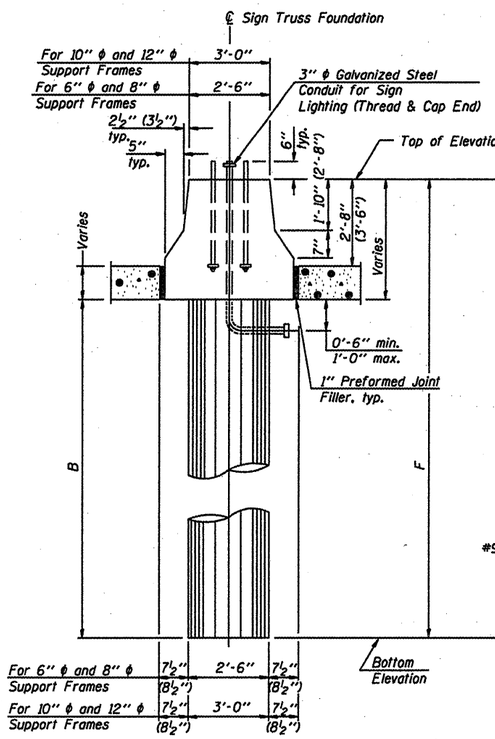
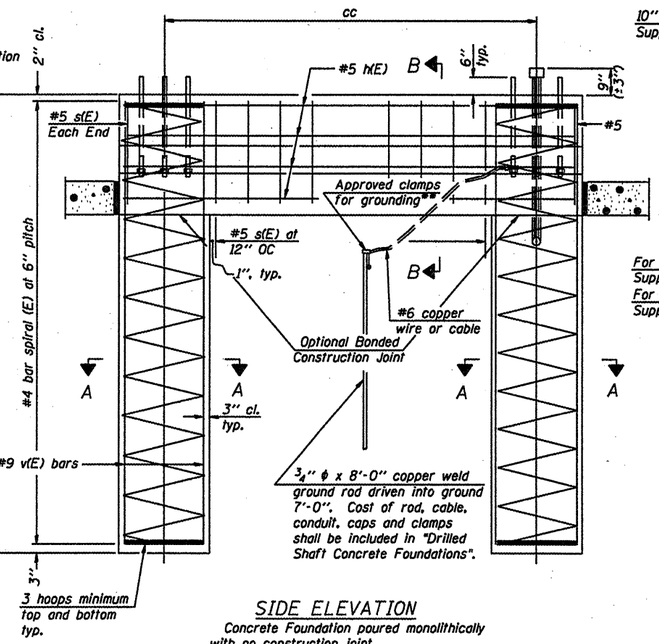
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAI Routes 55 & 72
D6 OVD SIN STR REPL 2009-11
Sangamon County
Sheet 13 of 32
Contract Number 46010

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

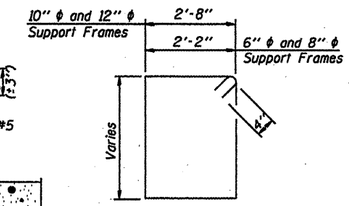


END VIEW

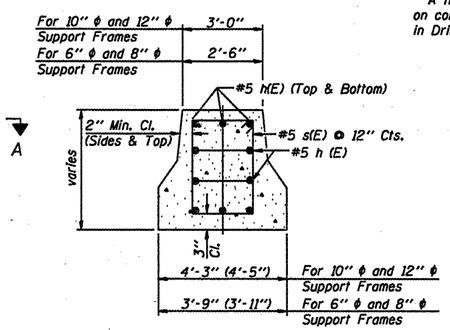


SIDE ELEVATION

Concrete Foundation poured monolithically with no construction joint.



BAR s(E)



SECTION B-B

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

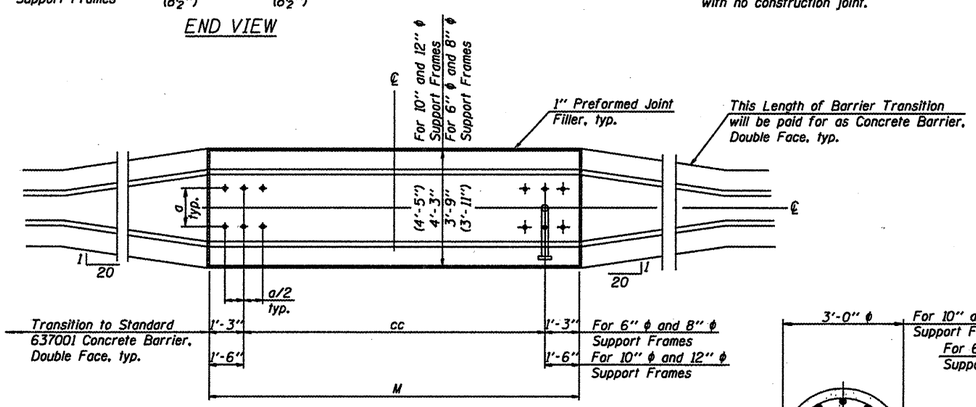
Bar	Number	Size	Length	Shape	
h(E)	10	#5	M less 4"		
s(E)	Varies	#5	Varies	□	6" ϕ and 8" ϕ Support Frame
v(E)	16	#9	F less 0'-5"		
v(E)	24	#9	F less 0'-5"		10" ϕ and 12" ϕ Support Frame
#4(E) bar spiral _ see Side Elevation					

All dimensions in parenthesis are for 42" high barrier.

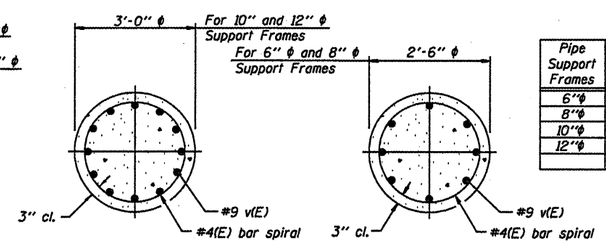
The Contractor and the Engineer shall field verify the height of the new foundations. If the height of the new foundations is lower than the existing foundations, the height of the end supports may need to be increased to maintain the proper height of the sign structure above the roadway.

Structure Number	Station	Left Foundation				Right Foundation				Class ■DS Concrete (Cu. Yds.)
		Elevation Top	Elevation Bottom	B	F	Elevation Top	Elevation Bottom	B	F	
✳ 6S08410055L090.5	203 + 00	101.00	N/A	17'-6"	20'-6"					15.80

✳ Elevations were taken from existing sign structure details.



PLAN



SECTION A-A

Pipe Support Frames	cc	M	a	a/2
6"ϕ	7'-0"	9'-6"	0'-11"	5½"
8"ϕ	7'-6"	10'-0"	1'-1½"	6¾"
10"ϕ	8'-3"	11'-3"	1'-3"	7½"
12"ϕ	9'-0"	12'-0"	1'-6"	9"

OVERHEAD SIGN STRUCTURES
MEDIAN SUPPORT FOUNDATION DETAILS

District 6
Overhead Sign Structure Replacement

DESIGNED -	
CHECKED -	
DRAWN -	
CHECKED -	

- 20
EXAMINED
ENGINEER OF BRIDGE DESIGN
PASSED
ENGINEER OF BRIDGES AND STRUCTURES

OS4-MED 5/16/08