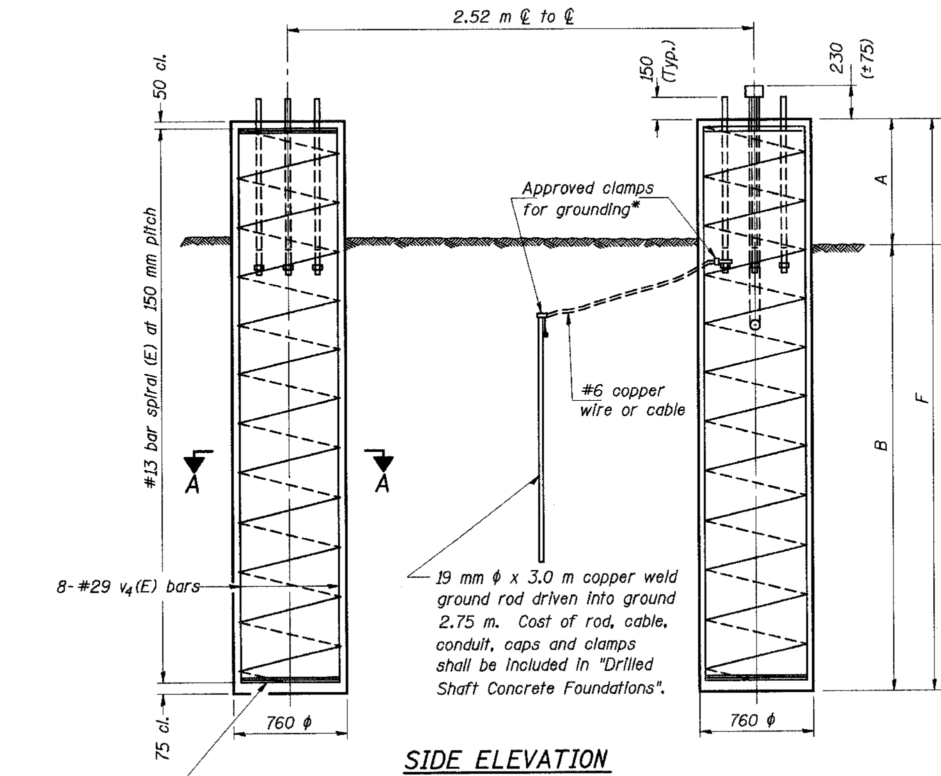
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I. 80/94	•	COOK	870	324
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-		

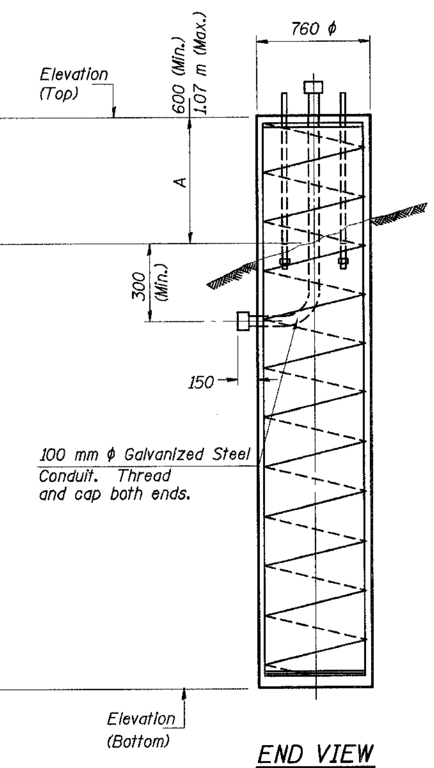
• (0203.1 & 0312-708W) R3 CONTRACT NO. 62108

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

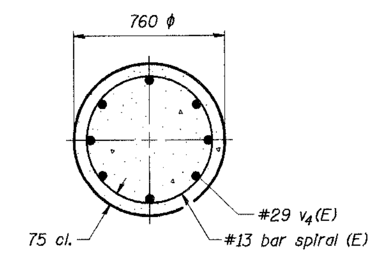
*Anchor rod shall be ground or filed to bright metal at clamp and cable connection location.



SIDE ELEVATION



END VIEW



SECTION A-A

BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
v_4(E)	16	#29	D less 127	——
#13 bar spiral (E) - see "SIDE ELEVATION"				

NOTES:

The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 120 kPa, 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 300 mm by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.

Concrete shall be placed monolithically, without construction joints.

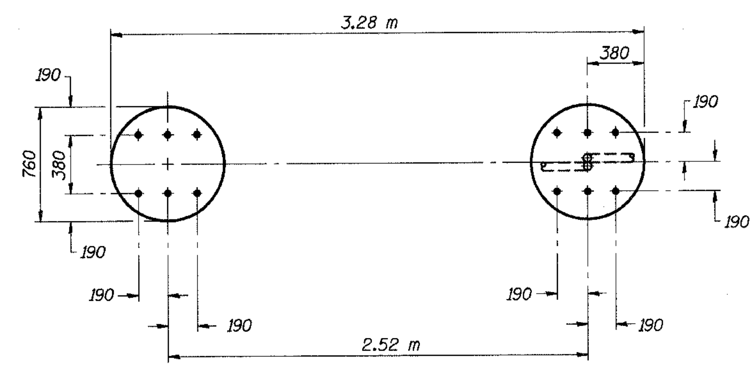
No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.

Backfill shall be placed per Article 502 of Standard Specifications. and prior to erection of support frame.

A normal surface finish followed by a Bridge Seat Sealer application will be required on concrete surfaces above the lowest elevation 150 mm below finished ground line. Cost included in "Drilled Shaft Concrete Foundations".

Conduit in foundation is incidental to "Drilled Shaft Concrete Foundation" for sign structures pay item.

At caissons extending into granular soil or at locations where the underground water extends within a sand layer, a temporary casing should be required. At water locations, the temporary casing should extend down to the top of clay layer and sealed at least 150mm into the cohesive soil.
ALL WORK AND MATERIALS SHALL BE INCLUDED FOR PAYMENT UNDER "DRILLED SHAFT CONCRETE FOUNDATIONS".



PLAN

Structure Number	Station	Left Foundation					Right Foundation					Class SI Concrete (cu. m)
		Eleavation top (m) *	Eleavation Bottom (m)	A (m)	B (m)	F (m)	Eleavation top (m) *	Eleavation Bottom (m)	A (m)	B (m)	F (m)	
1S016I094R073.3	18+871	-	-	-	-	-	183.162	173.20	1.10	8.862	9.962	9.1
1S016I094R073.5	19+274	-	-	-	-	-	183.343	176.41	1.10	5.833	6.933	6.3
1S016I094R073.8	19+686	-	-	-	-	-	183.564	176.90	1.10	5.564	6.664	6.1
1S016S394R	440+757 (IL-394)	185.855	175.430	0.600	9.825	10.425	185.743	179.34	1.10	5.303	6.403	15.3

Note: all stationing is based on I - 94 unless noted otherwise.

*Contractor to confirm this elevation and report to the engineer if any discrepancy found.

NUMBER	REVISION	DATE

DESIGNED	PY
CHECKED	DD
DRAWN	LK
CHECKED	DD

OS4-F3(M) 11/1/2002

DETAILS FOR DN 250 SUPPORT FRAME

TYPE I-A or II-A TRUSS

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-80/94/US 6 (KINGERY EXPRESSWAY)

OVERHEAD SIGN STRUCTURES
DRILLED SHAFT DETAILS

DATE: JUL 18, 2005
SCALE ___

HNTB

JBeauchamp
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