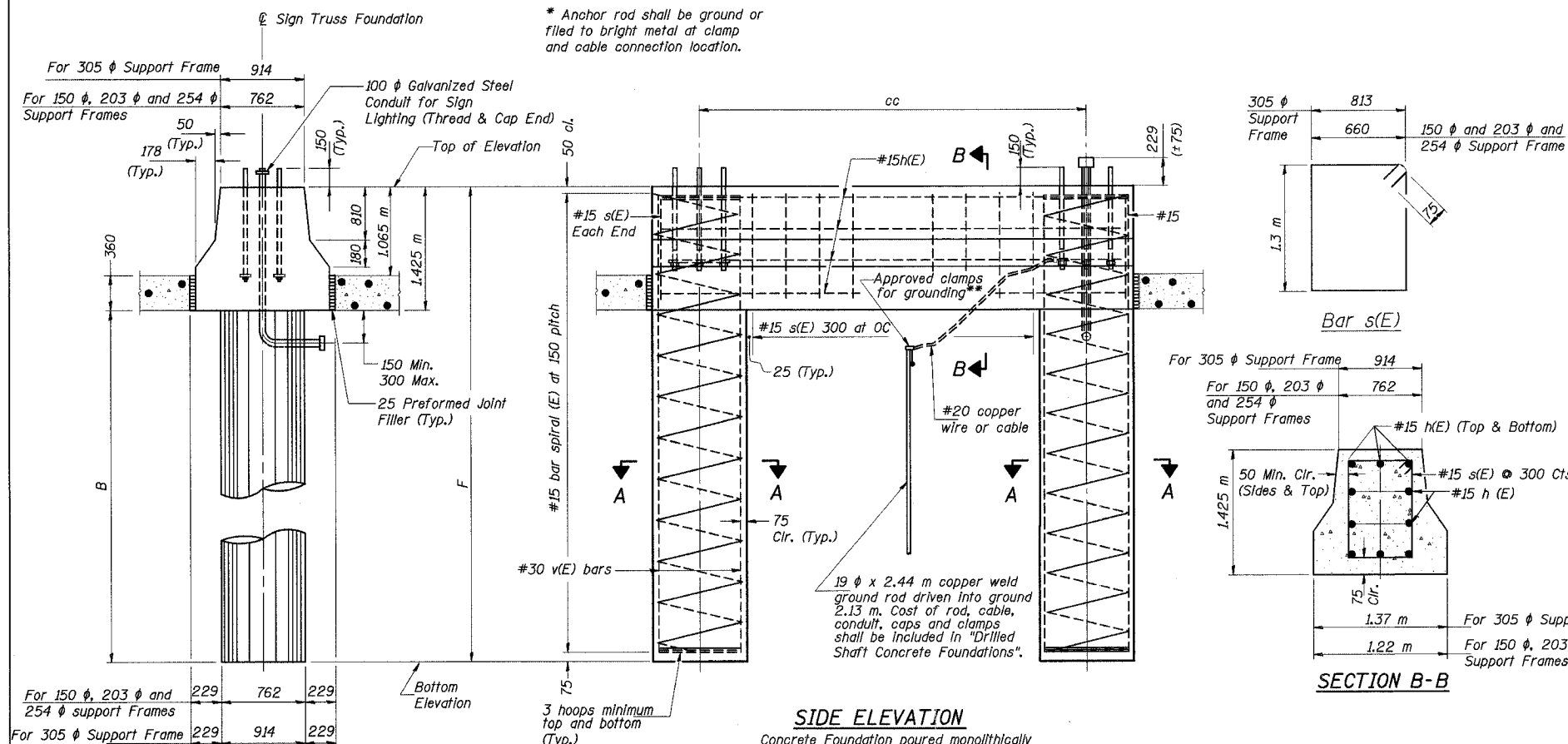


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I. 80/94	*	COOK	870	325
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT-	
(0203.1 & 0312-708W) R3		CONTRACT NO. 62108		



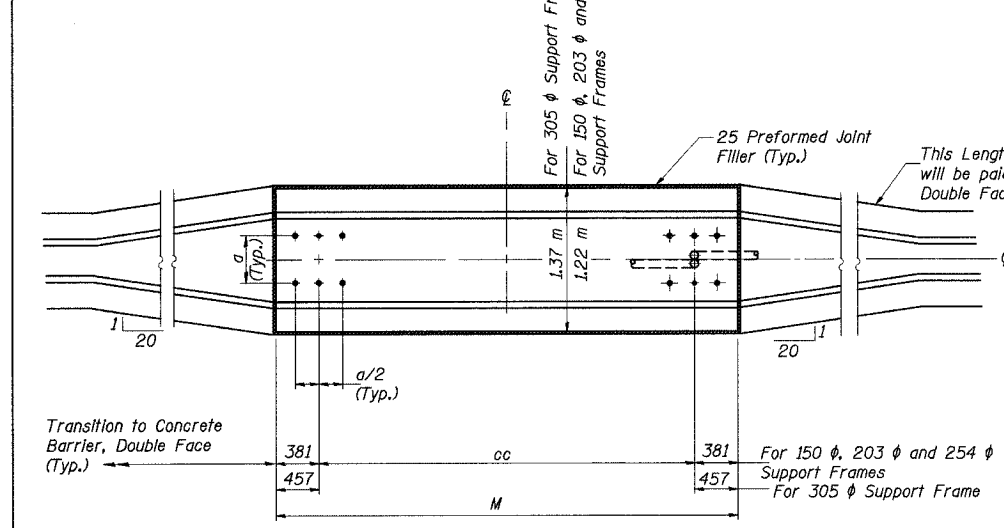
**NOTES:**  
The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength ( $Q_u$ ) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data 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 305 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 150 below finished ground line. Cost included in "Drilled Shaft Concrete Foundation".

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".**

**BAR LIST - EACH FOUNDATION**

Bar	Number	Size	Length	Shape
h(E)	10	#15	M less 100	
s(E)	Varies	#15	Varies	□
v(E)	16	#30	D less 127	
v(E)	24	#30	D less 127	
#15(E) bar spiral - see Side Elevation				

**END VIEW**



**SIDE ELEVATION**  
Concrete Foundation poured monolithically with no construction joint.

Structure Number	Station	Left Foundation				Right Foundation				Class SI Concrete (Cu. m)
		Elevation top (m) *	Elevation Bottom (m)	B (m)	F (m)	Elevation top (m) *	Elevation Bottom (m)	B (m)	F (m)	
ISO161094R073.3	18+871	183.938	175.04	7.473	8.898	-	-	-	-	11.3
ISO161094R073.5	19+274	184.109	176.70	5.984	7.409	-	-	-	-	10.0
ISO161094R073.8	19+686	184.330	174.40	8.505	9.930	-	-	-	-	12.3

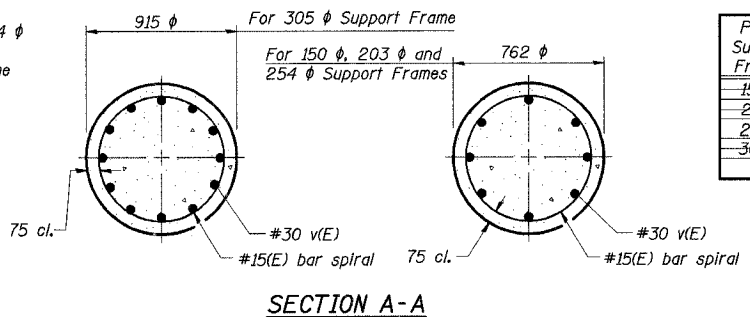
Note: all stationing is based on I - 94 unless noted otherwise.  
\*Contractor to confirm this elevation and report to the engineer if any discrepancy found.

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

Note: All dimensions are in millimeters unless otherwise noted.

DESIGNED	PY
CHECKED	DD
DRAWN	LK
CHECKED	DD

OS4-MED(M) 11/1/2002



Pipe Support Frames	cc	M	a	a/2
150 phi	2.13 m	2.90 m	275	140
203 phi	2.29 m	3.05 m	343	171
254 phi	2.52 m	3.28 m	381	191
305 phi	2.75 m	3.66 m	457	229

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

**OVERHEAD SIGN STRUCTURES  
MEDIAN SUPPORT FOUNDATION  
DETAILS**

DATE: JUL 18, 2005  
SCALE: ---

**HNTB**

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