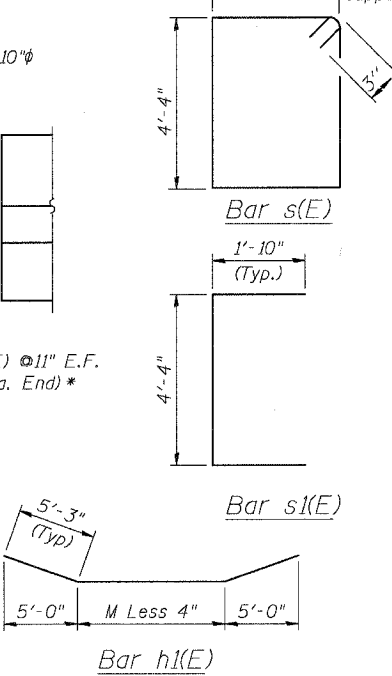
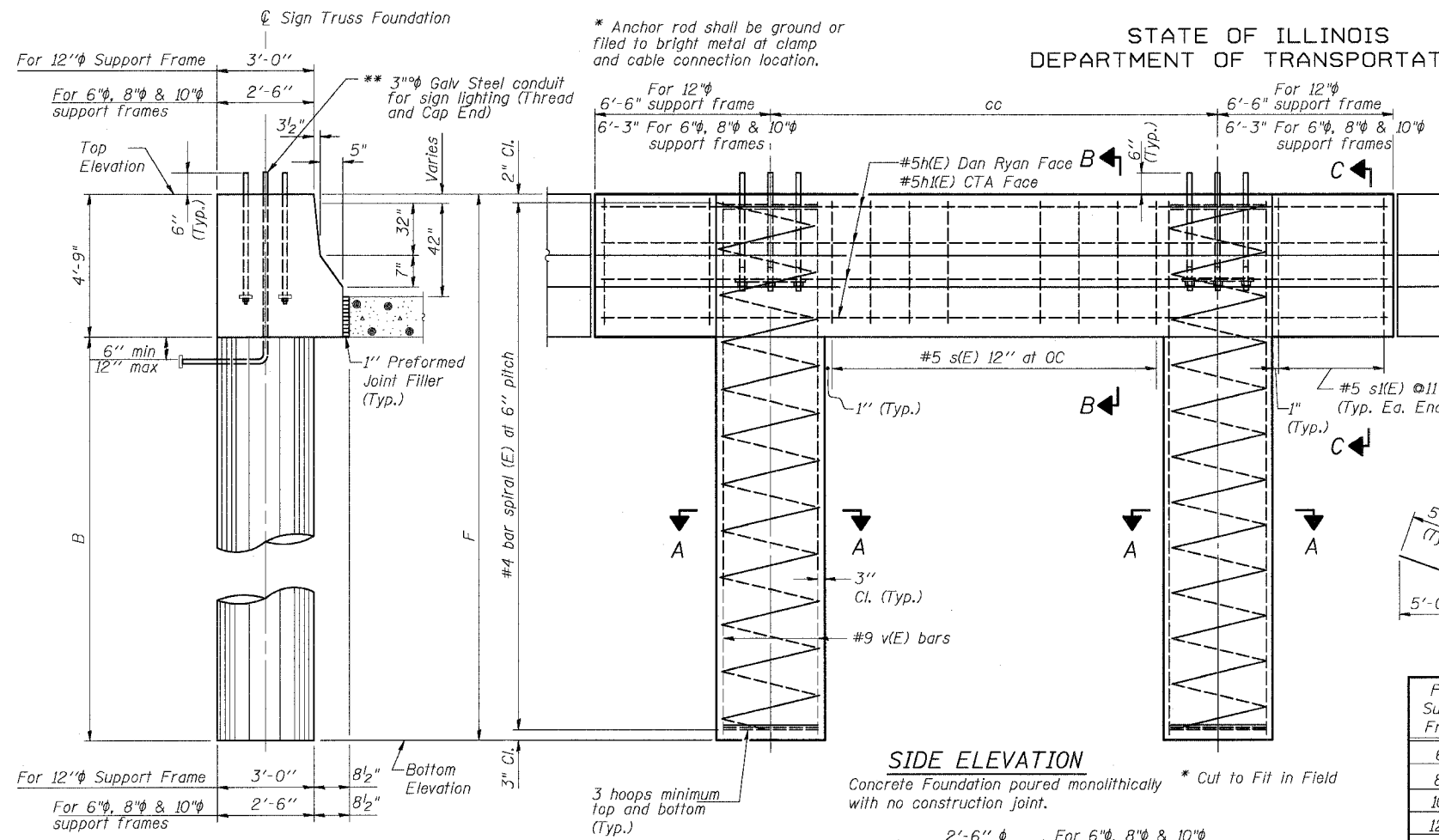


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO.
90/94	*	COOK	556	299	- SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-		
62300		* (BR, ETC, 2324.6-1P)R-8			

**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 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".  
 Face of median support foundation shall match dimensions of permanent barrier wall F shape.  
 Refer to CONTRACT 62583 for location and orientation of the conduit.



**BAR LIST - EACH FOUNDATION**

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"	10'-9"	1'-3"	7 1/2"
12"φ	9'-0"	12'-0"	1'-6"	9"

Bar	Number	Size	Length	Shape
h(E)	6	#5	L less 0'-4"	—
h(E)	4	#5	M less 4"+10'-6"	—
s(E)	Varies	#5	14'-6"	□
s(E)	24	#5	8'-0"	□
v(E)	24	#9	F less 0'-5"	—
v(E)	16	#19	F less 0'-5"	—

#4(E) bar spiral - see Side Elevation

**SIDE ELEVATION**

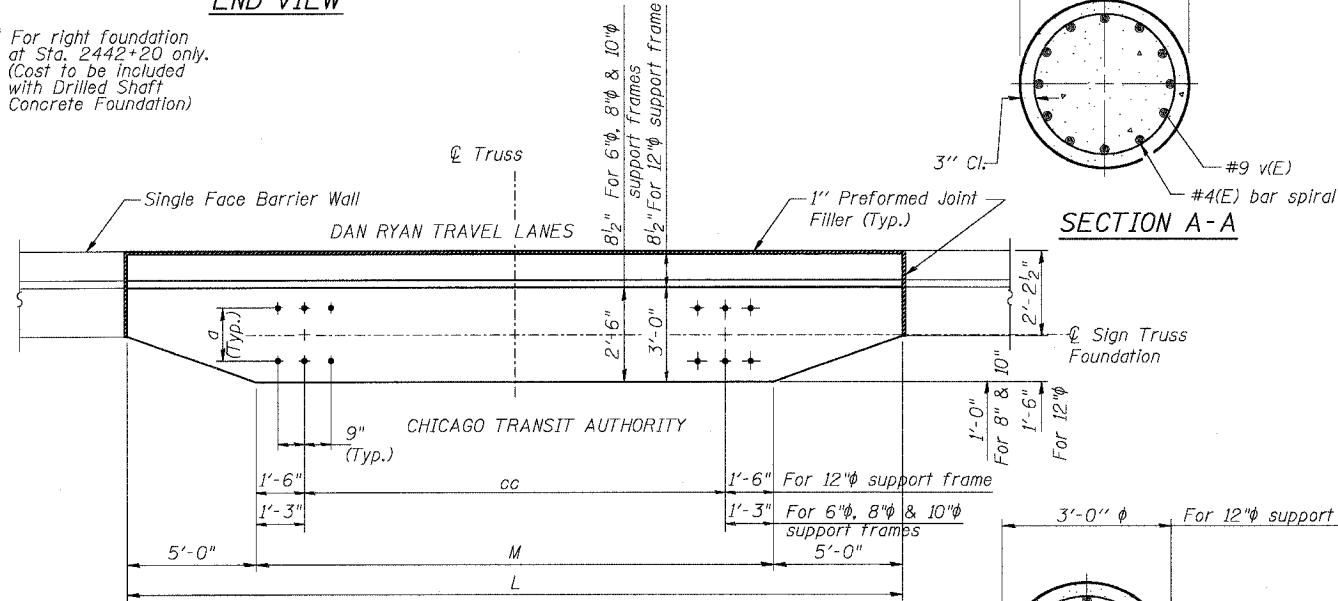
Concrete Foundation poured monolithically \* Cut to Fit in Field with no construction joint.

**RIGHT FOUNDATION USES DOUBLE FACE MEDIAN SUPPORT**

Structure Number	Station	Left Foundation		Right Foundation		Class SI Concrete (Cu. Yds.)	
		Elevation Top	Elevation Bottom	B	F		Elevation Top
ISO161094L055.41	4598+65	14.83	-7.92	18.0'	22.75'	14.7	
ISO161094L058.4	2442+20	5.97	-13.28	14.5'	19.25'	12.0	

**END VIEW**

\*\* For right foundation at Sta. 2442+20 only. (Cost to be included with Drilled Shaft Concrete Foundation)



**SECTION A-A**

**SECTION A-A**

**SECTION B-B**

**SECTION C-C**

DESIGNED	20
CHECKED	EXAMINED
DRAWN	PASSED
CHECKED	ENGINEER OF BRIDGES AND STRUCTURES

**OVERHEAD SIGN STRUCTURES  
MEDIAN SUPPORT FOUNDATION DETAILS**

F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
31ST STREET TO 71ST STREET  
NB EXPRESS LANE RECONSTRUCTION  
OVERHEAD SIGN STRUCTURES