ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	588	282
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. -
- SHEETS

* 62303 (2021-922 PT2 ETC 2324.6-1P) R-11

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.

BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
v4 (E)	16	#9	F less 5"	———
#4 bar spiral (E) - see Side Elevation				

7'-6" ℄ to ℄

2" cl.

6" typ.

9' (±3')

Elevation (Top)

2'-0" min. 3'-6" max.

2'-6" φ

#4 bar spiral (E) at 6" pitch

A

A

Approved clamps
for grounding*

B

F

#6 copper
wire or cable

Elevation
(Top)

12" min.

3" φ Galvanized Steel
Conduit. Thread
and cap both ends.

6"

8- #9 v (E) bars

¾" φ x 10'-0" copper weld
ground rod driven into ground
9'-0". Cost of rod, cable,
conduit, caps and clamps
shall be included in Drilled
Shaft Concrete Foundations.

3" cl.

2'-6" φ

2'-6" φ

Elevation
(Bottom)

SIDE ELEVATION

END VIEW

3 hoops minimum
top and bottom

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.

2'-6" φ

#9 v4(E)

3" cl.

#4 bar spiral (E)

SECTION A-A

* Foundation built in Contract 62302

10'-0"

11¼"

1'-3"

2'-6"

1-½"

6¾"

6¾"

11¼"

6¾"

6¾"

7'-6"

6¾"

PLAN

Structure Number	Station	Left Foundation *					Right Foundation					Class SI Concrete (Cu. Yds.)
		Elevation Top	Elevation Bottom	A	B	F	Elevation Top	Elevation Bottom	A	B	F	
1S0161094R057.4	3493+30	- - -	- - -	- - -	- - -	- - -	11.98'	-0.02'	2.0'	10.0'	12.0'	4.4
1S0161094R056.02	3566+30	- - -	- - -	- - -	- - -	- - -	-0.25'	-17.25'	2.50'	14.50'	17.00'	6.2
1S0161094R055.46	3596+00	- - -	- - -	- - -	- - -	- - -	15.70'	-0.30'	2.50'	13.50'	16.00'	5.8
1S0161094R055.08	3616+00	- - -	- - -	- - -	- - -	- - -	7.00'	-10.00'	2.50'	14.50'	17.00'	6.2

SGN-32

DESIGNED	MSA
CHECKED	AS
DRAWN	RV
CHECKED	MSA

OS4-F2   1-7-05

20

EXAMINED

ENGINEER OF STRUCTURAL SERVICES

PASSED

ENGINEER OF BRIDGES AND STRUCTURES

NUMBER	REVISION	DATE

DETAILS FOR 8" φ SUPPORT FRAME
TYPE I-A TRUSS

OVERHEAD SIGN STRUCTURES
DRILLED SHAFT DETAILS

ILLINOIS DEPARTMENT OF TRANSPORTATION
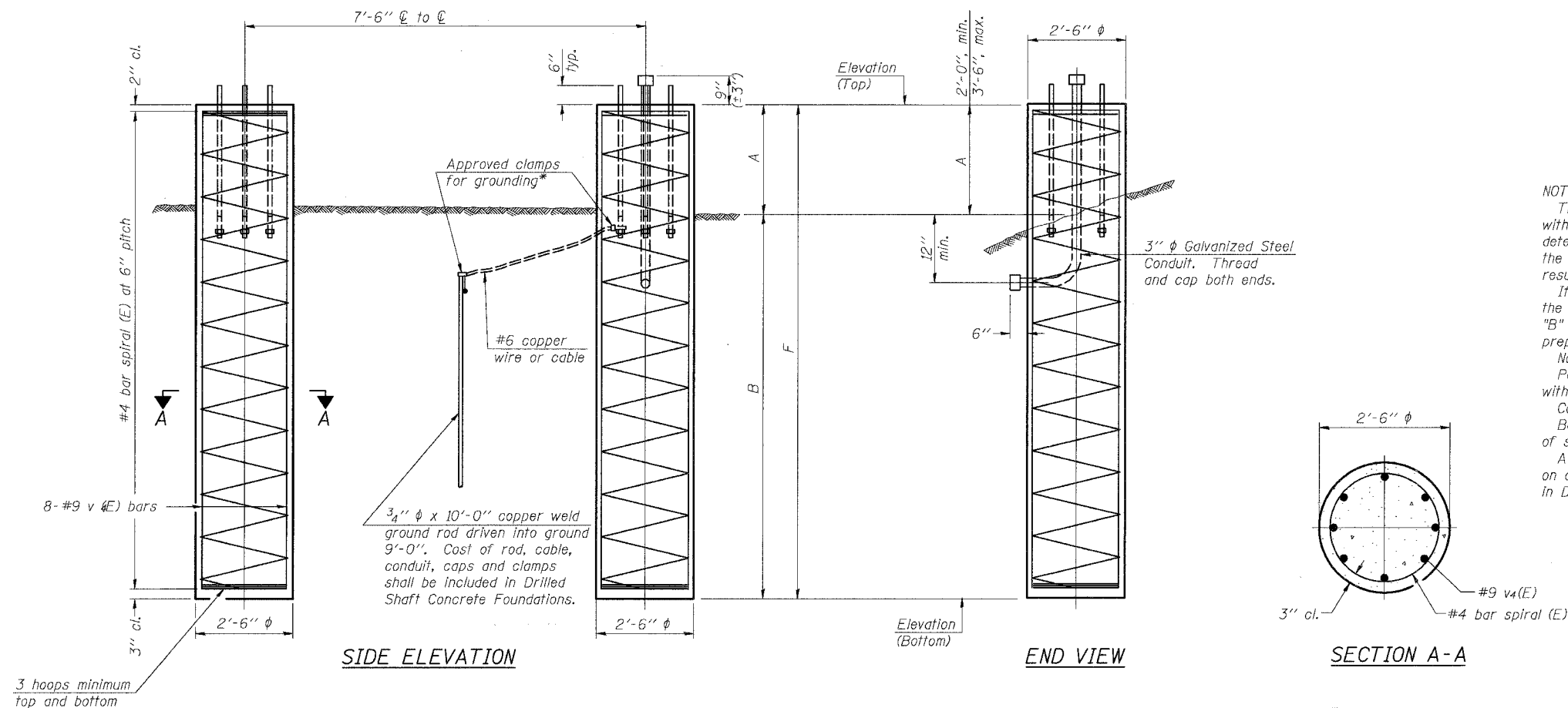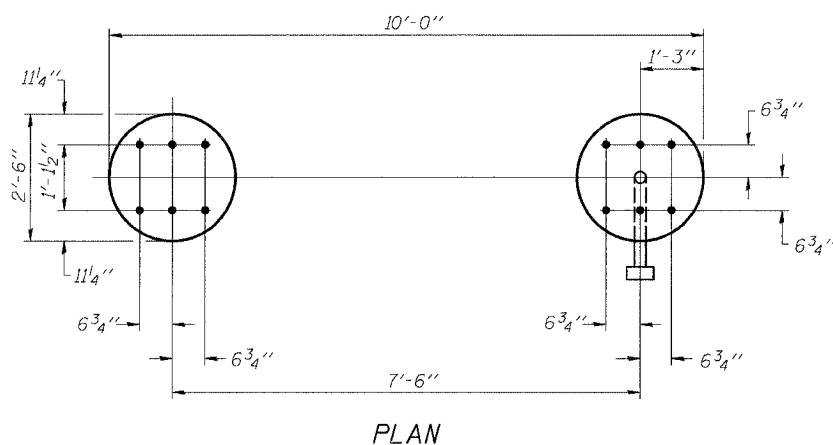F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31st STREET (SB LOCAL LANES)

OVERHEAD SIGN STRUCTURES
(SPAN)