ELEVATION

THE FOUNDATION DEPTH "Z" IS BASED ON AN ALLOWABLE
LATERAL BEARING PRESSURE OF _____.

CAP OF ONE FOUNDATION MAY BE PLACED WHILE SIGN BRIDGE IS TEMPORARILY SUPPORTED IN PLACE

PROVIDE SCREEN AROUND BASE SEE "SCREEN DETAIL", BRIDGE SHEET 10.1-A5-2

VIEW A

SECTION B

PLAN

ANCHOR BOLTS NOT SHOWN.

ANCHOR ℔ DETAIL

SEE SIGN STRUCTURE BASE PLATE
FOR ANCHOR ROD PATTERN.

ANCHOR ROD ARRAY

SHIP THE ANCHOR ROD ARRAY
ASSEMBLY AS A COMPLETE UNIT.

TEMPLATE
℔ ½ (ASTM A36)
(NO GALV. REQ'D.)
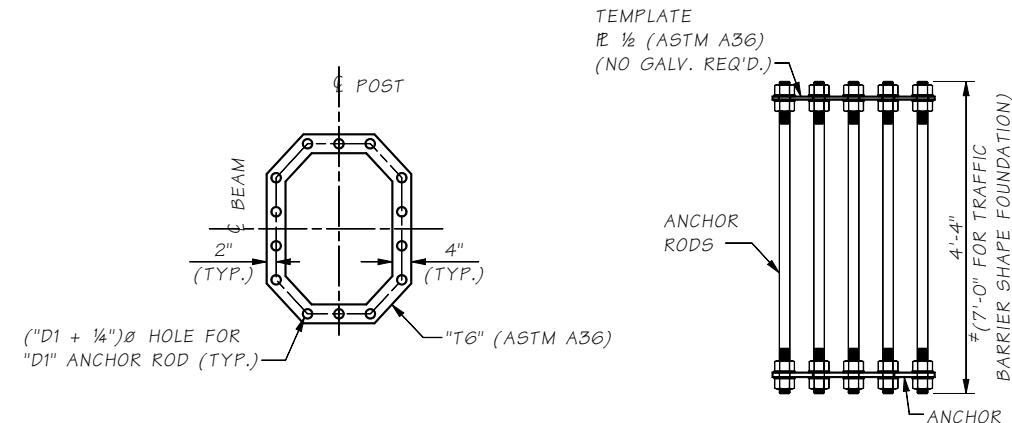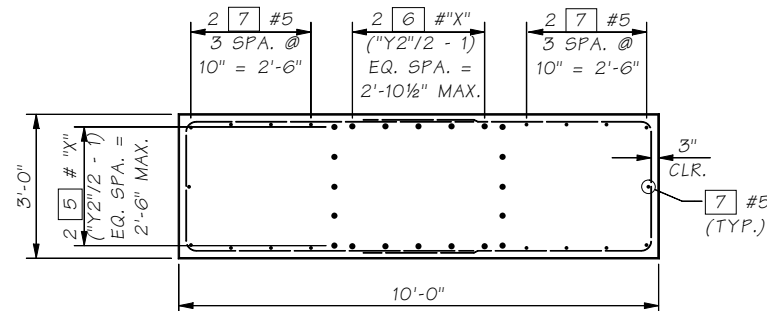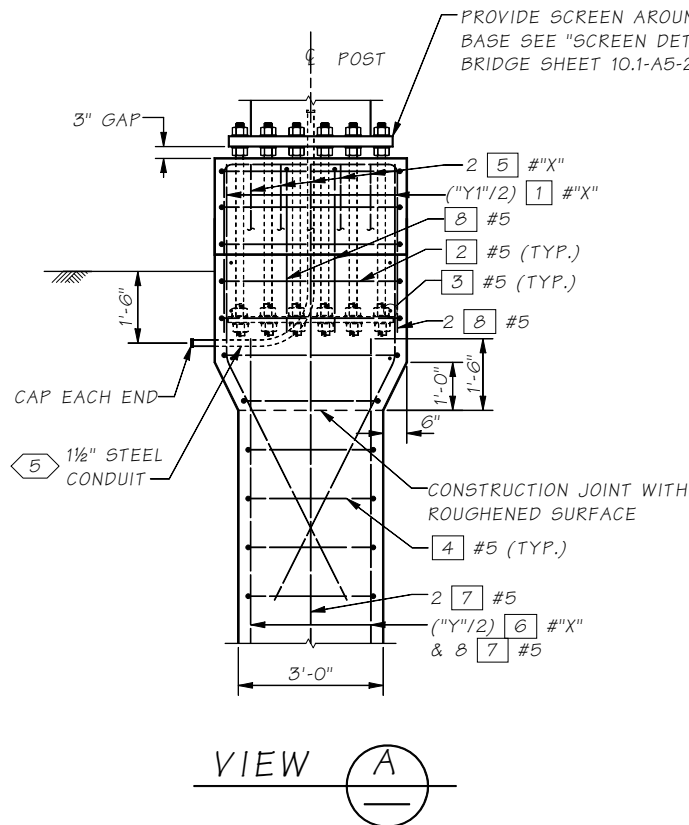
NOTES:

1. USE CONCRETE CLASS 4000P AND TREMIE IF WATER IS PRESENT IN THE EXCAVATION. PLACE CONCRETE DIRECTLY AGAINST SOIL

2. BACKFILL/COMPACTION REQUIREMENTS. SEE STD. SPEC. 2-09.3(1)E COMPACTION ITEM 1.

3. "D1"ø x 4'-4" LONG THREADED ROD WITH 2 WASHERS AND 4 HEAVY HEX NUTS (TYP.). THREAD EACH END 8". GALVANIZE EXPOSED ANCHOR ROD END FOR 1'-0" MIN.

4. PROVIDE 3'-0" MIN. SLACK. ROUTE CONDUCTOR TO GROUND WIRE TERMINAL SHOWN IN DETAIL 1 ON SHEETS 10.1-A1-2, 10.1-A2-2, OR 10.1-A3-2.

5. TO BE INSTALLED WHERE DIRECTED BY THE ENGINEER.

6. USE A TEMPLATE TO LOCATE AND SECURE RODS IN PLACE DURING FOUNDATION INSTALLATION. FOR DETAILS, SEE ANCHOR ROD ARRAY ON THIS SHEET.

BENDING DIAGRAM

MARK	LOCATION	SIZE	NO. REQ'D.	LENGTH	
1	CAP VERTICAL	"X"	"Y1"	9'-8"	
2	CAP HOOPS	5	6	16'-0"	
3	CAP HORIZONTAL	5	6	"A"	
4	FOUNDATION HOOPS	5	16	15'-5"	STR.
5	FOUNDATION VERTICAL	"X"	"Y2"	"Z" - 6"	
6	FOUNDATION VERTICAL	"X"	"Y2"	"Z" = 4'-0"	
7	FOUNDATION VERTICAL	5	18	"A"	STR.
8	CAP TOP	5	4	10'-4"	STR.

NOTE:
CONCRETE COVER SHALL BE 1½" UNLESS SHOWN OTHERWISE.

"A" ~ DETERMINE FROM PLANS
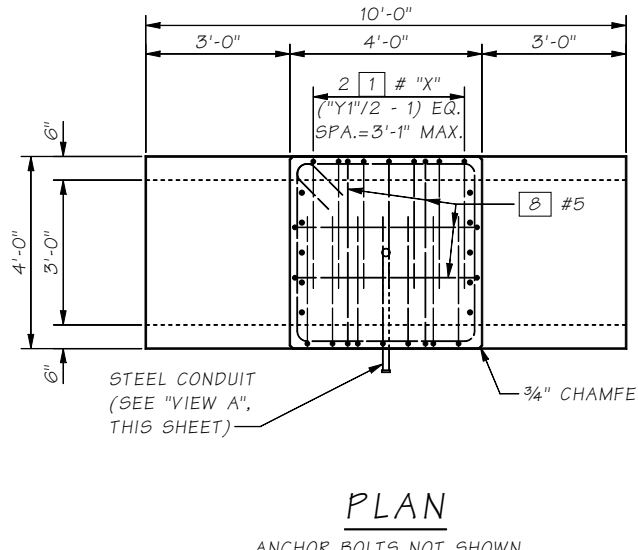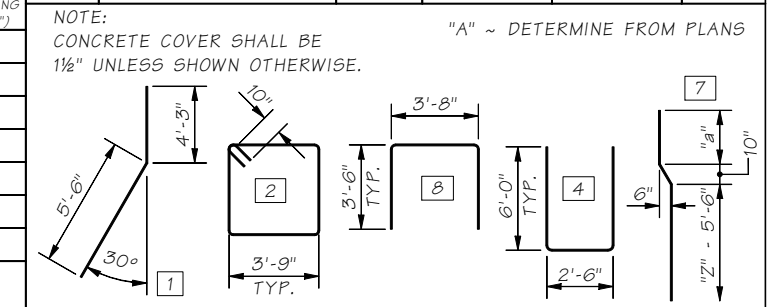
	TYPE 2 FOUNDATION TABLE*							TYPE 3 FOUNDATION TABLE**					
STRUCTURE TYPE	SPAN LENGTH ("S")	* DEPTH ("Z")	REINFORCEMENT				STRUCTURE TYPE	SPAN LENGTH ("S")	** DEPTH ("Z")	REINFORCEMENT			
			SIZE ("X")	SPACING ("Y1")	SPACING ("Y2")					SIZE ("X")	SPACING ("Y1")	SPACING ("Y2")	
CANTILEVER SIGN	LESS THAN 20'-0"	7'-3"	9	8	4		CANTILEVER SIGN	LESS THAN 20'-0"	11'-0"	9	8	4	
	20'-0" TO 30'-0"	9'-6"	9	12	8			20'-0" TO 30'-0"	13'-9"	9	12	8	
	30'-0" TO 35'-0"	11'-0"	9	16	12			30'-0" TO 35'-0"	15'-6"	9	12	8	
SIGN BRIDGE	LESS THAN 60'-0"	9'-0"	9	12	8		SIGN BRIDGE	LESS THAN 60'-0"	12'-9"	9	16	12	
	60'-0" TO 90'-0"	11'-0"	9	16	12			60'-0" TO 90'-0"	15'-6"	9	16	12	
	90'-0" TO 120'-0"	12'-9"	11	14	10			90'-0" TO 120'-0"	17'-9"	11	14	10	
	120'-0" TO 180'-0"	13'-6"	11	16	14			120'-0" TO 180'-0"	19'-6"	11	16	14	

* SHAFT DEPTH "Z" IS BASED ON ALLOWABLE LATERAL BEARING PRESSURE OF 2500 PSF OR MORE.

** SHAFT DEPTH "Z" IS BASED ON ALLOWABLE LATERAL BEARING PRESSURE BETWEEN 1500 PSF AND 2499 PSF.