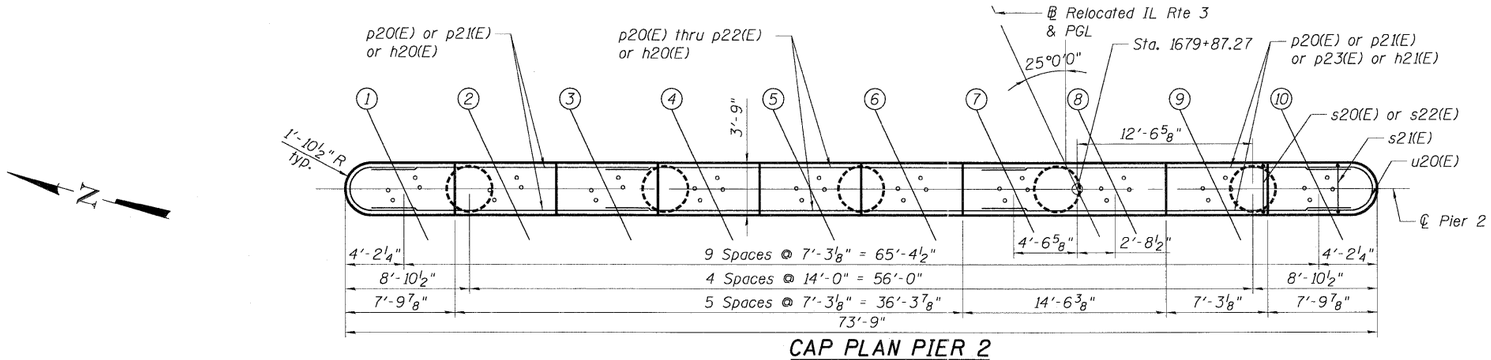
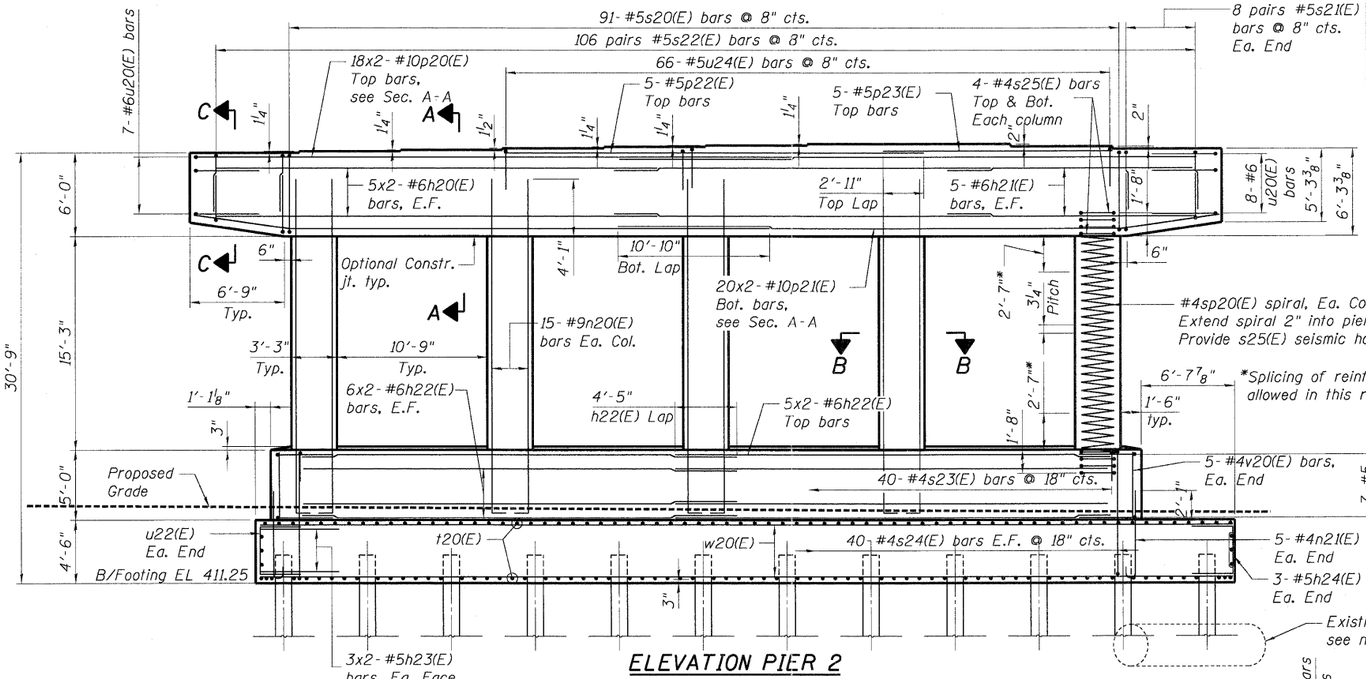
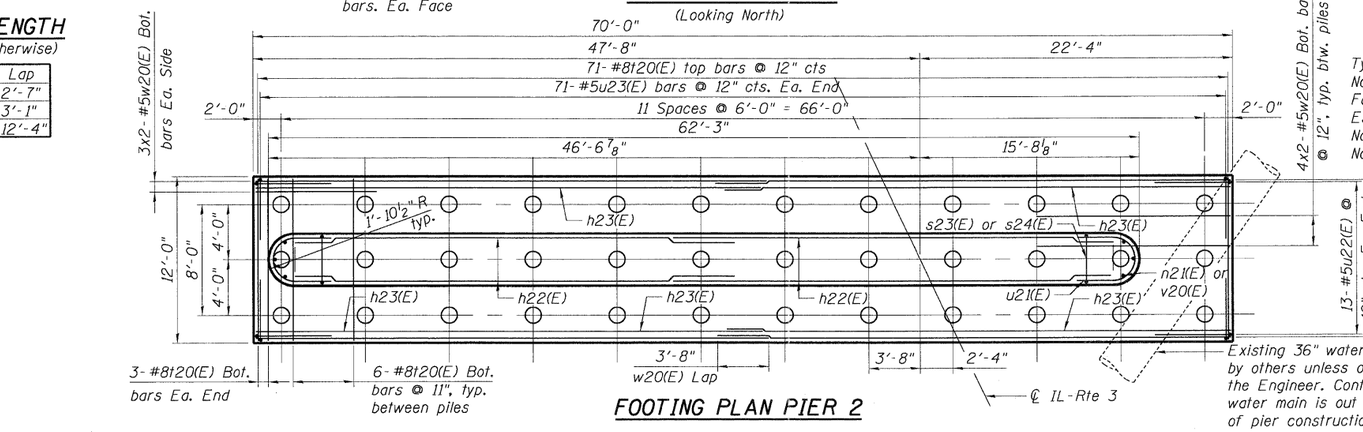


CAP PLAN PIER 2



ELEVATION PIER 2

(Looking North)



FOOTING PLAN PIER 2

BEARING SEAT ELEVATIONS

Girder	Elevations
1	442.00
2	442.10
3	442.20
4	442.32
5	442.42
6	442.52
7	442.62
8	442.62
9	442.45
10	442.28

MIN. LAP LENGTH

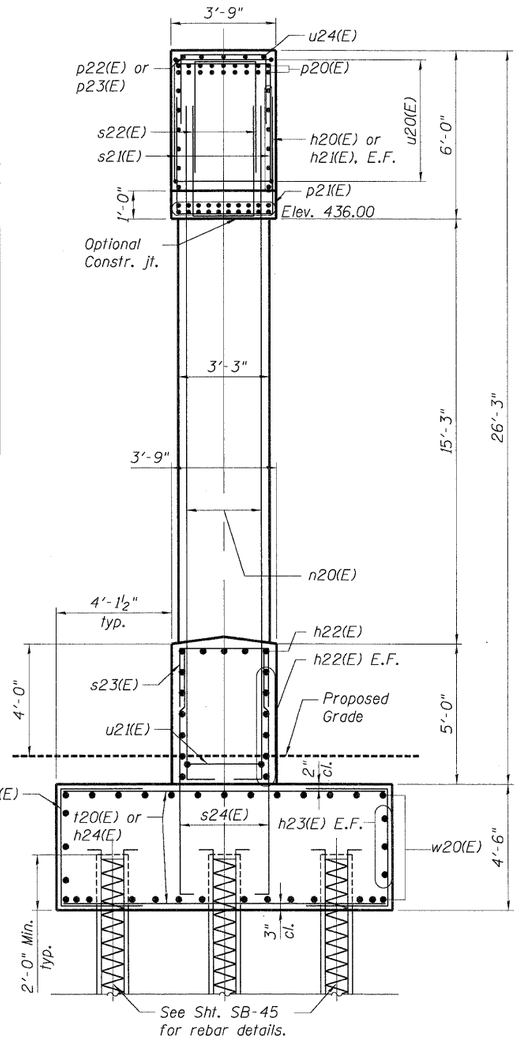
(Unless noted otherwise)

Bar Size	Lap
#5	2'-7"
#6	3'-1"
#10	12'-4"

PILE DATA

Type: MS14X0.25 Metal Shell Piles
Nominal Required Bearing: 413 kips/pile
Factored Resistance Available: 227 kips/pile
Est. Length: 59 ft
No. Production Piles: 35
No. Test Piles: 1

END VIEW



NOTES:

1. Space reinforcement in cap to miss anchor bolts.
2. Pour steps monolithically with cap.
3. For details of piles, see sheet SB-45.
4. E.F. indicates each face.
5. Bars indicated thus 5x3-#5 etc. indicates 5 lines of bars with 3 lengths per line.
6. Space u22(E) & u23(E) bars to miss piles.
7. When splicing of spiral reinforcement is necessary, the spirals shall be provided with 1½ extra turns at the ends to be spliced. These additional turns shall either be welded together according to AWS D1.4, or shall both terminate with a 135° standard hook.

..\082023\29-CONN-18-002-P1.DGN ..\082031\8-CONN-99-001-BD.DGN ..\082023\29-CONN-18-002-P1.DGN
5-11-2011, 9:57:19 NEWMANMD \\VS-02\44\MKVAULT\D-TRANS\07\2202\28868-001\STRUCT\CADD\01 DESIGN\082023\29\SHEET\082023\29-CONN-18-002-SHT-P1.DGN

FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED - MDJ	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION** IL 3 OVER TRRA & ST. CLAIR AVENUE
TENG TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS		DRAWN - MDJ	REVISED -	
	PLOT SCALE = $SCALE$	CHECKED - JLR	REVISED -	
	PLOT DATE = $DATE$	DATE - 05/13/11	REVISED -	

PIER 2 PLAN & ELEVATION

SCALE: | SHEET NO. SB-36 OF SB-63 | STA. 1679+16.65 TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
998	82-2-1HVB-1	ST. CLAIR	345	228
	SN 082-0329	CONTRACT NO. 76D05		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		