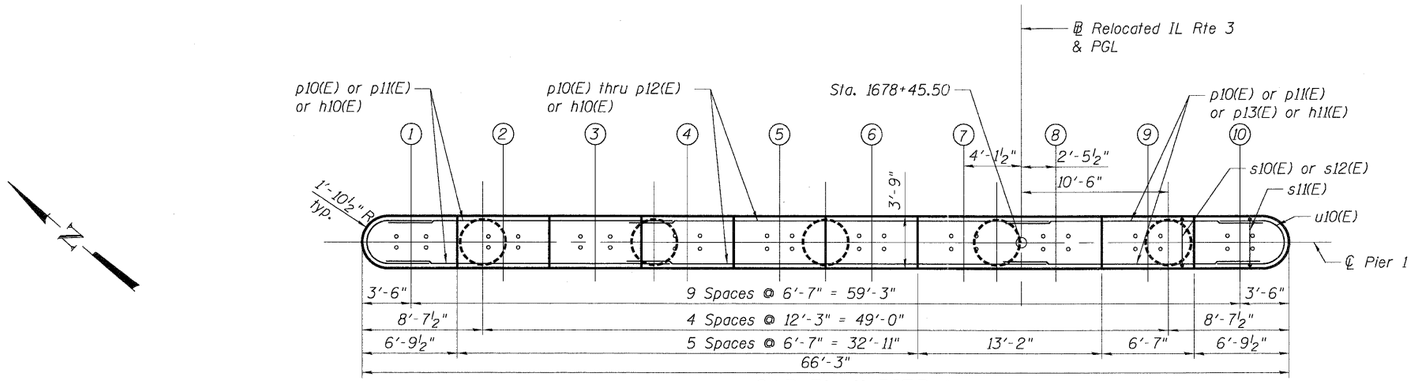
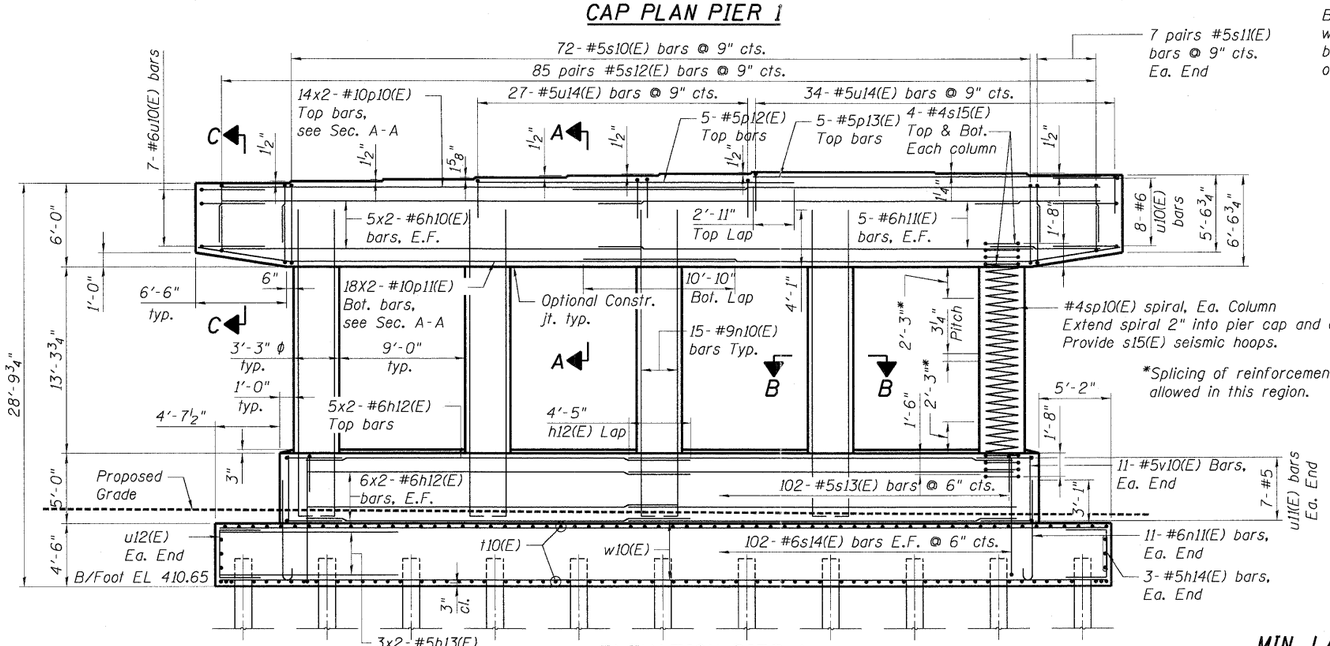
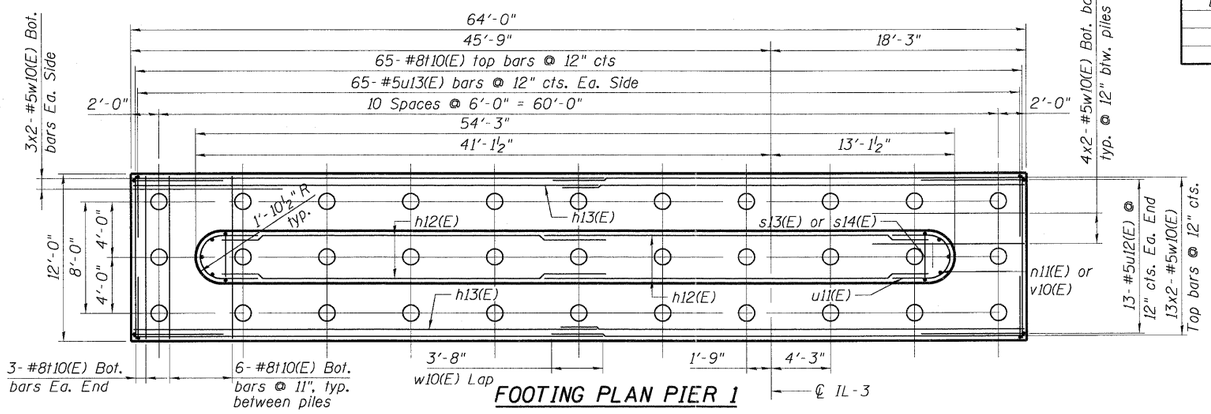



## CAP PLAN PIER 1




## ELEVATION PIER 1

(Looking North)

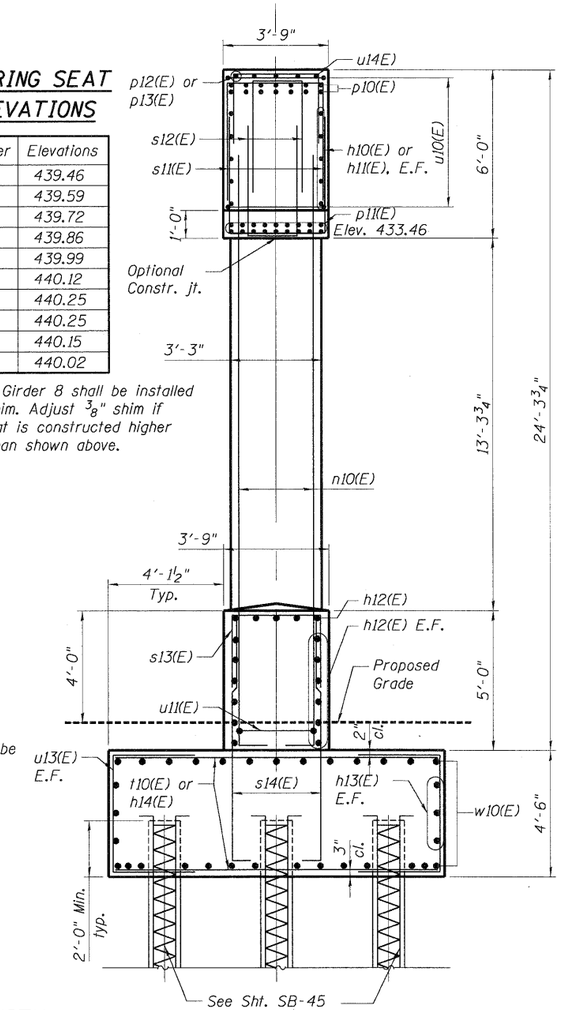



## FOOTING PLAN PIER 1

## BEARING SEAT ELEVATIONS

| Girder | Elevations |
|---|---|
| 1 | 439.46 |
| 2 | 439.59 |
| 3 | 439.72 |
| 4 | 439.86 |
| 5 | 439.99 |
| 6 | 440.12 |
| 7 | 440.25 |
| 8 | 440.25 |
| 9 | 440.15 |
| 10 | 440.02 |

Bearing at Girder 8 shall be installed with ⅜" shim. Adjust ⅜" shim if bearing seat is constructed higher or lower than shown above.




## MIN. LAP LENGTH

(Unless noted otherwise)

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

## END VIEW

## PILE DATA

Type: MS14X0.25 Metal Sheel Piles
Nominal Required Bearing: 413 kips/pile
Factored Resistance Available: 227 kips/pile
Est. Length: 57 ft
No. Production Piles: 32
No. Test Piles: 1

## 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 u12(E) & u13(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.


FILE NAME = $FILE$
USER NAME = $USER$
PLOT SCALE = $SCALE$
PLOT DATE = $DATE$
TENG TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS
DESIGNED - MDJ
DRAWN - MDJ
CHECKED - JLR
DATE - 05/13/11
REVISED -
REVISED -
REVISED -
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL 3 OVER
TRRA & ST. CLAIR AVENUE
PIER 1
PLAN & ELEVATION
SCALE:
SHEET NO. SB-34 OF SB-63
STA. 1679+16.65 TO STA.
F.A.P RTE. 998
SECTION 82-2-1HVB-1
COUNTY ST. CLAIR
TOTAL SHEETS 345
SHEET NO. 226
SN 082-0329
CONTRACT NO. 76D05
FED. ROAD DIST. NO.
ILLINOIS
FED. AID PROJECT



..\082032$-CONN-10-001-PI.DGN ..\082038-CONN-99-001-BD.DGN ..\082032$-CONN-10-001-PI.DGN
5-11-2011, 9:57:10 NEWMANND \\FS-6044\VM\VAULTD-TRANS.07\22022\206868-001\STRUCTV\CAD\01 DESIGN\082032$\SHEET\082032$-CONN-10-001-SHT-PI.DGN