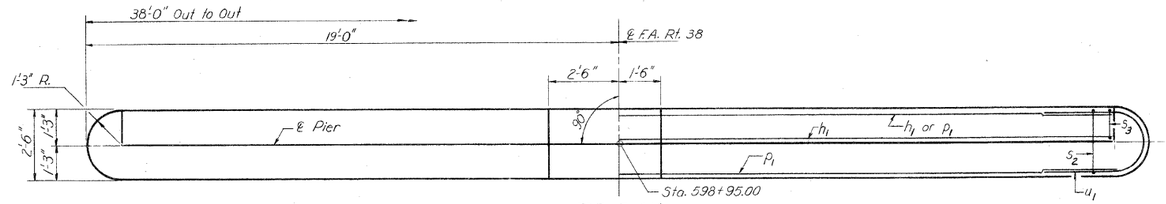
# EXISTING STRUCTURE PLANS
# (FOR REFERENCE ONLY)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

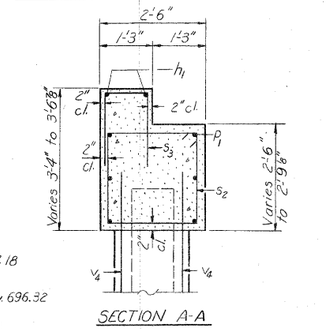
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| F.A.I. 38 | 102 BR-1 | LEE | 61 | 26 |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT- | | |

SHEET NO. 12
13 SHEETS

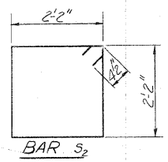
PILE DATA
Type: Concrete
Capacity: 45 Tons
Est. Length: 38'
No. Required: 8

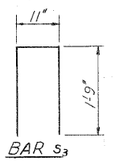


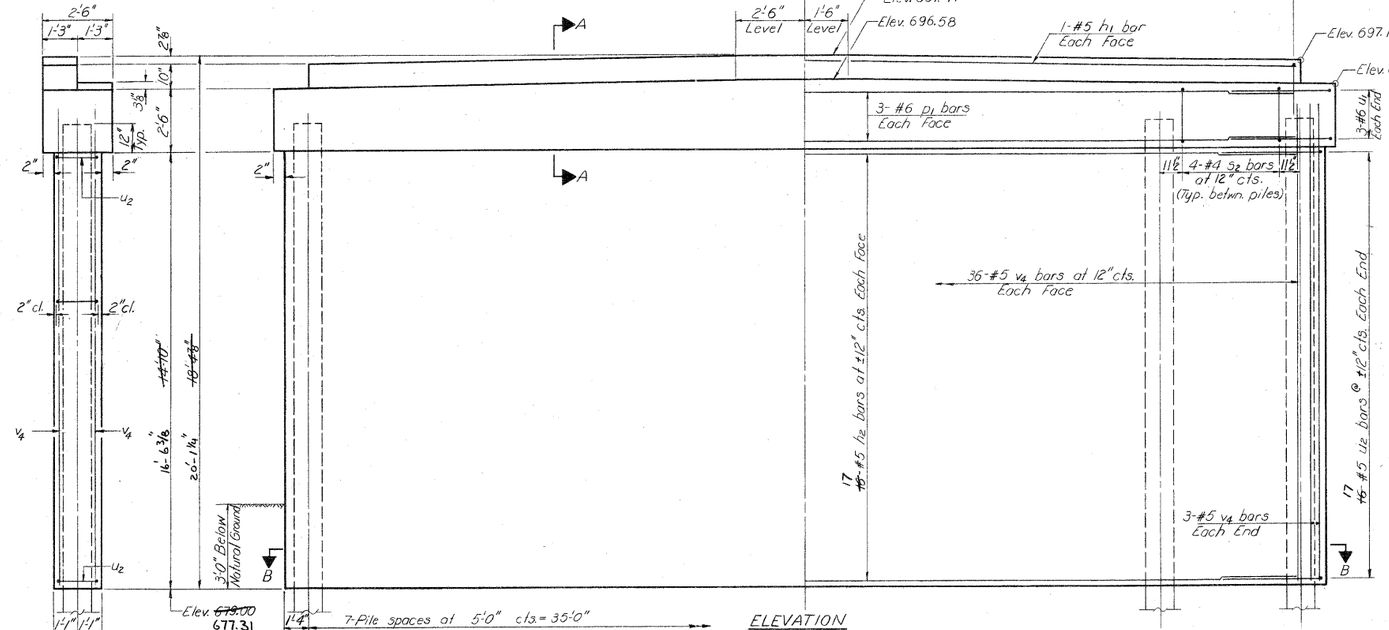

TOP PLAN

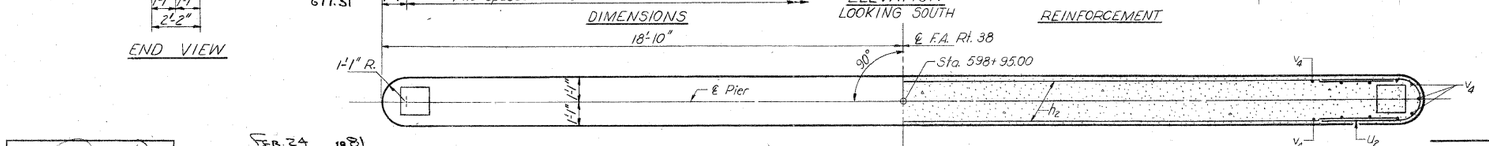



SECTION A-A



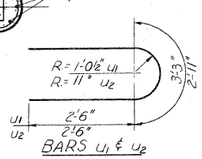




SECTION B-B

BILL OF MATERIAL

| Bar | No. | Size | Length | Shape | |
|---|---|---|---|---|---|
| $h_1$ | 2 | #5 | 35'-3" | | |
| $h_2$ | ~~32~~ 34 | #5 | 33'-6" | | |
| $p_1$ | 6 | #6 | 34'-8" | | |
| $s_2$ | 28 | #4 | 9'-5" | | |
| $s_3$ | 36 | #4 | 4'-5" | | |
| $u_1$ | 6 | #6 | 8'-3" | | |
| $u_2$ | ~~32~~ 34 | #5 | 7'-11" | | |
| $v_4$ | 78 | #5 | 18'-0" ~~16'-5"~~ | | |
| Class X Concrete | | | Cu. Yd. | ~~48.4~~ | 52.7 |
| Reinforcement Bars | | | Pound | ~~3460~~ | 3680 |
| Concrete Piles | | | Lin. Ft. | 304 | |




BARS $u_1$ & $u_2$

PIER 2
F.A. RT. 38 SEC. 102BR-1
LEE COUNTY
STA. 598+65.00

| | |
|---|---|
| DESIGNED | Gregory Ryan |
| CHECKED | M. Ryan |
| DRAWN | R. Doty |
| CHECKED | MR |

Feb 24 1981

EXAMINED
PASSED
APPROVED

ENGINEER OF BRIDGES AND TRAFFIC STRUCTURES
ENGINEER OF BRIDGES
DIRECTOR OF HIGHWAYS

Note:
All edges shall have standard ¾" chamfers.

| | | | | |
|---|---|---|---|---|
| FILE NAME = c:\pw_work\pwidot\grantpm\dms41818\D2-sht-typical.dgn | USER NAME = grantpm | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION |
| | PLOT SCALE = 50.0000 ' / in. | DRAWN - | REVISED - | EXISTING STRUCTURE PLANS |
| | PLOT DATE = Thu Jul 14 10:19:56 2011 | CHECKED - | REVISED - | SCALE: SHEET NO. OF SHEETS STA. TO STA. |
| | | DATE - | REVISED - | |

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 316 | * | LEE | 216 | 145 |
| | | CONTRACT NO. 64D57 | | |
| | ILLINOIS | FED. AID PROJECT | | |

• 102BR-5, 102BR-6, & 102BR-7