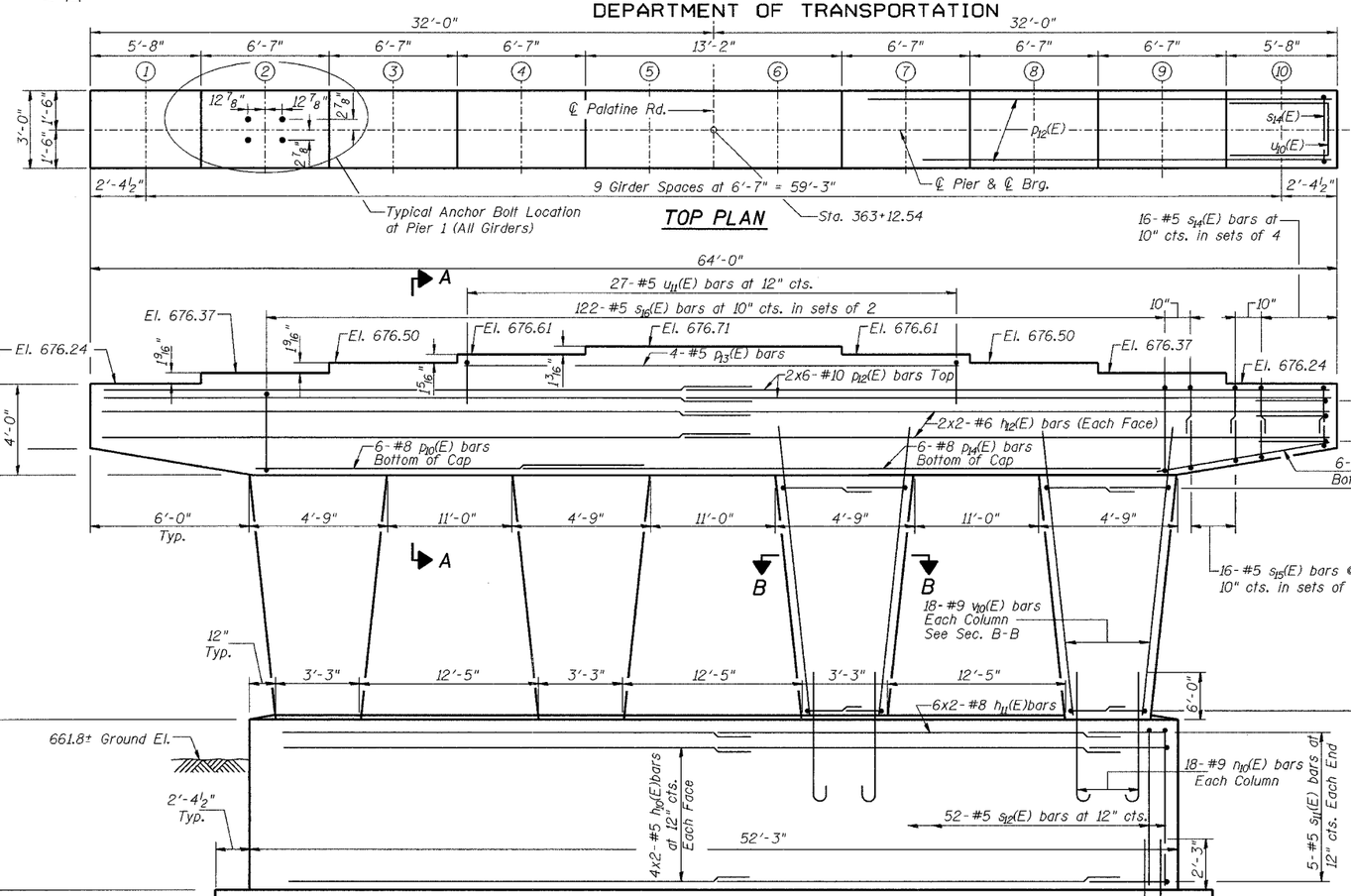
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| FAP 305 | * | Cook | 21 | 20 |

SHEET NO. 29
37 SHEETS

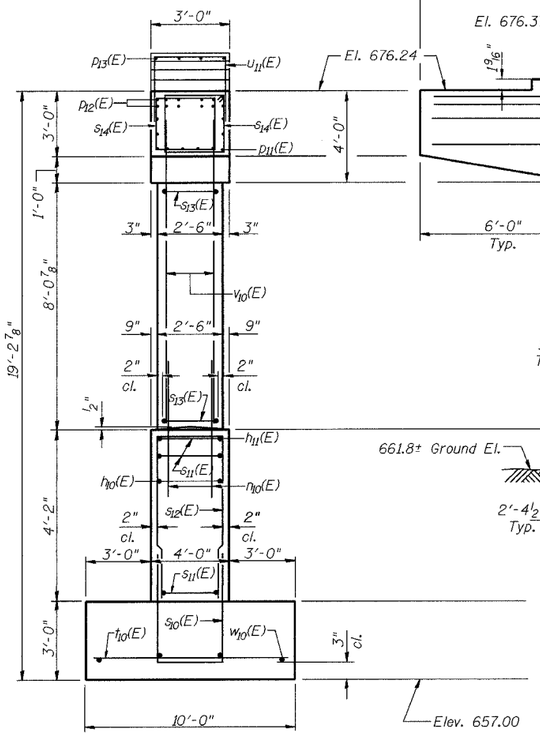
Contract No. 62852 *1313.1F

Note:
Space reinforcement in cap to miss anchor bolts.
Pour steps monolithically with cap.
All edges shall have standard 3/4" chamfers, except as noted.

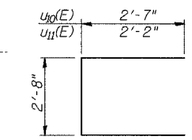



TOP PLAN

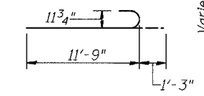
ELEVATION
(Looking East)



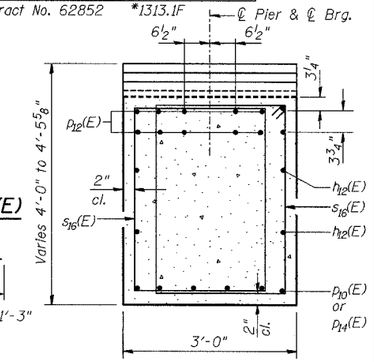

END VIEW



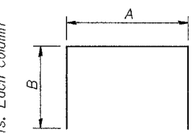

BAR $u_{10}$ (E) & $u_{11}$ (E)




BAR $n_{11}$ (E)



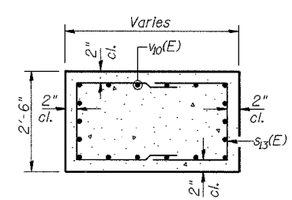

SECTION A-A



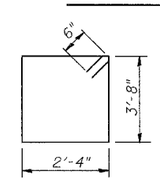

BARS $s_{10}$ (E) thru $s_{15}$ (E)

A & B DIMENSIONS

| Bar | A | B |
|---|---|---|
| $s_{10}$(E) | 3'-8" | 5'-0" |
| $s_{11}$(E) | 3'-8" | 2'-4" |
| $s_{12}$(E) | 3'-8" | 3'-8" |
| $s_{13}$(E) | 2'-2" | 3'-0" |
| $s_{14}$(E) | 2'-4" | 2'-8" |
| $s_{15}$(E) | 2'-4" | 2'-11" |




SECTION B-B




BAR $s_{16}$ (E)

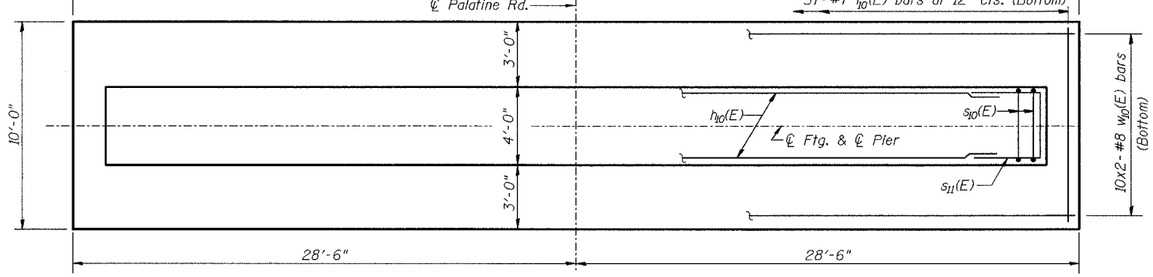
BILL OF MATERIAL

| Bar | No. | Size | Length | Shape |
|---|---|---|---|---|
| $h_{10}$(E) | 16 | #5 | 27'-1" | |
| $h_{11}$(E) | 12 | #8 | 28'-3" | |
| $h_{12}$(E) | 8 | #6 | 33'-2" | |
| $n_{10}$(E) | 72 | #9 | 13'-0" | |
| $p_{10}$(E) | 6 | #8 | 20'-0" | |
| $p_{11}$(E) | 12 | #8 | 5'-8" | |
| $p_{12}$(E) | 24 | #10 | 35'-6" | |
| $p_{13}$(E) | 4 | #5 | 26'-0" | |
| $p_{14}$(E) | 6 | #8 | 36'-2" | |
| $s_{10}$(E) | 52 | #5 | 13'-8" | |
| $s_{11}$(E) | 10 | #5 | 8'-4" | |
| $s_{12}$(E) | 52 | #5 | 11'-0" | |
| $s_{13}$(E) | 64 | #4 | 8'-2" | |
| $s_{14}$(E) | 32 | #5 | 7'-8" | |
| $s_{15}$(E) | 32 | #5 | 8'-2" | |
| $s_{16}$(E) | 122 | #5 | 13'-0" | |
| $t_{10}$(E) | 57 | #7 | 9'-8" | |
| $u_{10}$(E) | 6 | #6 | 7'-10" | |
| $u_{11}$(E) | 27 | #5 | 7'-0" | |
| $v_{10}$(E) | 72 | #9 | 10'-6" | |
| $w_{10}$(E) | 20 | #8 | 30'-7" | |
| Structure Excavation | | | Cu. Yd. | 224.1 |
| Concrete Structures | | | Cu. Yd. | 137.4 |
| Reinforcement Bars, Epoxy Coated | | | Pound | 19,350 |

Reinforcement Bars designated (E) shall be epoxy coated.
Bars indicates thus 20x3-#6 etc. indicates 20 lines of bars with 3 length per line.

MINIMUM BAR LAPS

#4 = 1'-8"
#5 = 2'-2"
#6 = 2'-7"
#8 = 4'-6"
#9 = 5'-9"
#10 = 7'-3"




FOOTING PLAN

| | |
|---|---|
| DESIGNED | MJW |
| CHECKED | GAT |
| DRAWN | MJW |
| CHECKED | GAT |

P-6 4-30-99

FOR INFORMATION ONLY

PIER NO. 1
PALATINE ROAD OVER
IL. RT. 83 (ELMHURST ROAD)
F.A.P. RTE. 305 SECT. 1313.1F
COOK COUNTY
STATION 363+77.17
STRUCTURE NO. 016-2812

AMERICAN CONSULTING ENGINEERS
CONSULTING ENGINEERS & PLANNERS
CHICAGO, ILLINOIS

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