Notes:
1. Space reinforcement in cap to miss anchor bolts.
2. Pour steps monolithically with cap.
3. For details of piles, see sheet 81 of 89.
4. Bridge seats between the bearings shall be sloped to drain.

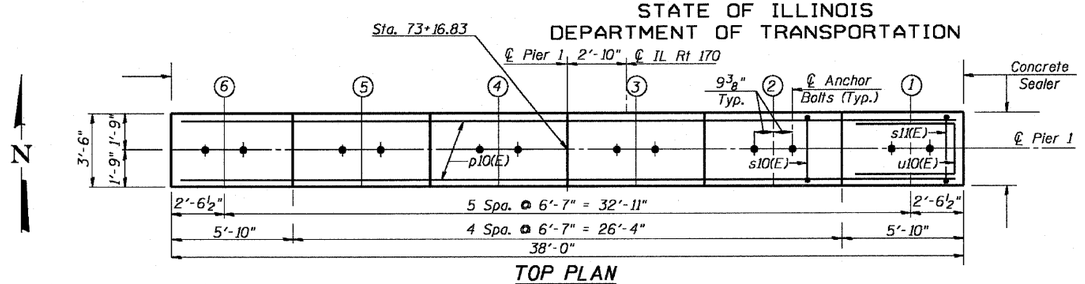
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EarthTech
A tyco International Ltd. Company

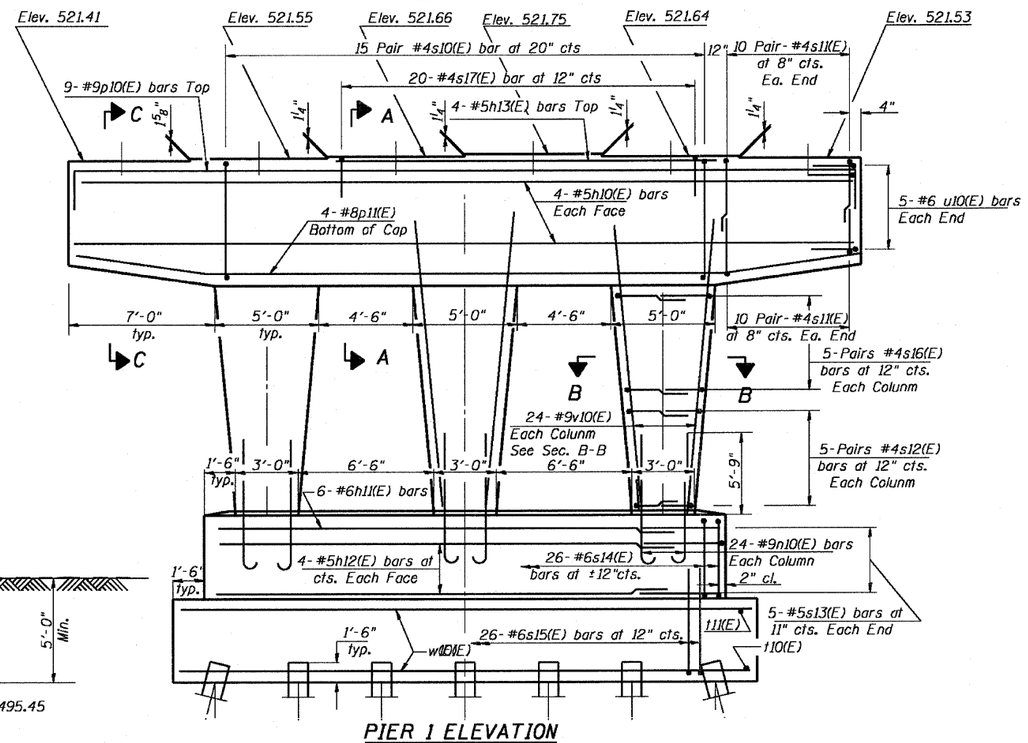
| F.A.P. ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 786 | 109 BR | La Salle | 351 | 267 |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT- | | |

SHEET NO. 67
89 SHEETS

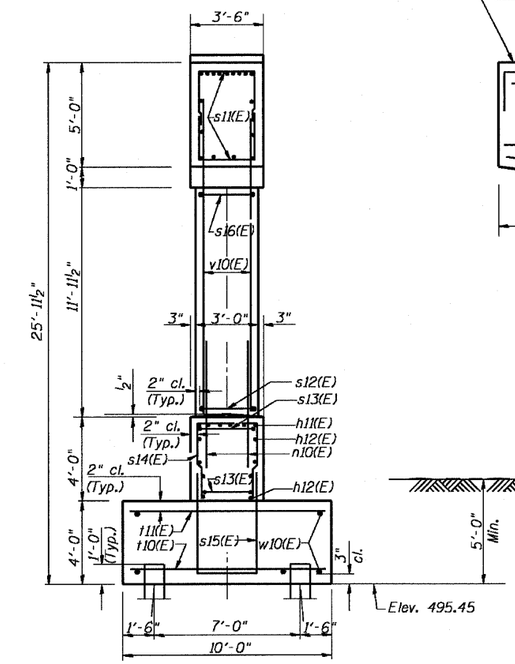
Contract # 66607




TOP PLAN



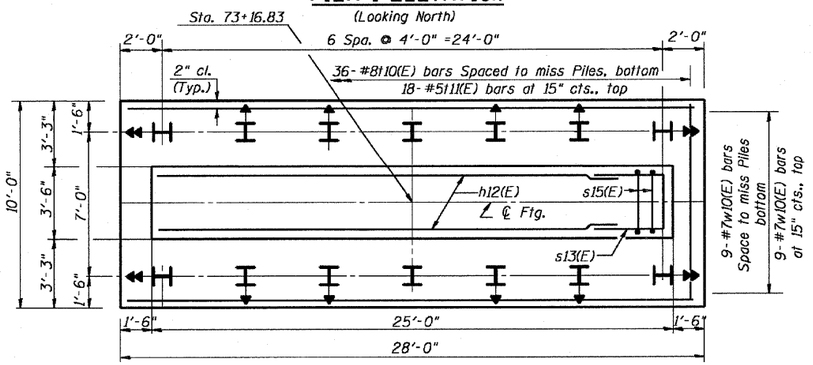

PIER 1 ELEVATION




END VIEW

## PILE DATA

Type: HP12x74 with Pile Shoes
Nominal Required Bearing = 589K
Allowable Resistance Available = 196K
Est. Length: 35'
No. Production Piles: 13
No. Test Piles: 1

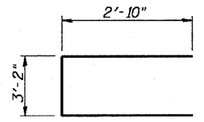



FOOTING PLAN

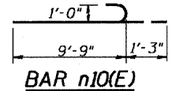
| | |
|---|---|
| DESIGNED | - RJC |
| CHECKED | - DEV |
| DRAWN | - JHR |
| CHECKED | - DEV |

## BILL OF MATERIAL

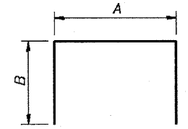
| Bar | No. | Size | Length | Shape |
|---|---|---|---|---|
| h10(E) | 8 | #5 | 37'-8" | |
| h11(E) | 6 | #6 | 24'-8" | |
| h12(E) | 8 | #5 | 24'-8" | |
| h13(E) | 4 | #5 | 19'-0" | |
| | | | | |
| n10(E) | 72 | #9 | 11'-0" | |
| | | | | |
| p10(E) | 9 | #9 | 40'-10" | |
| p11(E) | 4 | #8 | 37'-10" | |
| | | | | |
| s10(E) | 30 | #4 | 16'-9" | |
| s11(E) | 80 | #4 | 9'-8" | |
| s12(E) | 30 | #4 | 8'-0" | |
| s13(E) | 10 | #5 | 7'-6" | |
| s14(E) | 26 | #6 | 10'-10" | |
| s15(E) | 26 | #6 | 15'-10" | |
| s16(E) | 30 | #4 | 10'-0" | |
| s17(E) | 20 | #4 | 8'-2" | |
| | | | | |
| t10(E) | 36 | #8 | 9'-8" | |
| t11(E) | 18 | #5 | 9'-8" | |
| | | | | |
| u10(E) | 10 | #6 | 8'-10" | |
| | | | | |
| v10(E) | 72 | #9 | 15'-4" | |
| | | | | |
| w10(E) | 18 | #7 | 27'-8" | |
| | | | | |
| Structure Excavation | | Cu. Yd. | 78 | |
| Concrete Structures | | Cu. Yd. | 100 | |
| Reinforcement Bars, Epoxy Coated | | Pound | 13,630 | |
| Furnishing Steel Piles HP 12x74 | | Foot | 455 | |
| Driving Piles | | Foot | 455 | |
| Test Pile, | | Each | 1 | |
| Pile Shoes | | Each | 14 | |



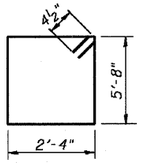

BAR u10(E)




BAR n10(E)



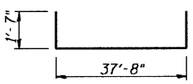

BARS sxx(E)



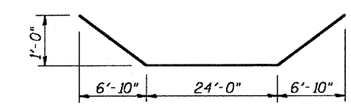

BAR s10(E)

## A & B DIMENSIONS

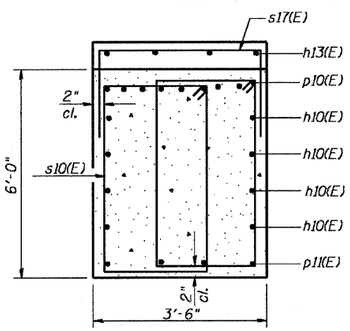
| Bar | A | B |
|---|---|---|
| s11(E) | 2'-4" | 3'-8" |
| s12(E) | 2'-8" | 2'-8" |
| s13(E) | 3'-2" | 2'-2" |
| s14(E) | 3'-2" | 3'-10" |
| s15(E) | 3'-2" | 6'-4" |
| s16(E) | 2'-8" | 3'-8" |
| s17(E) | 3'-2" | 2'-6" |



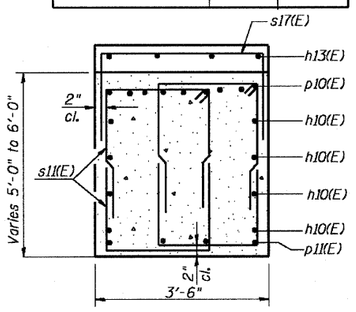

BAR p10(E)



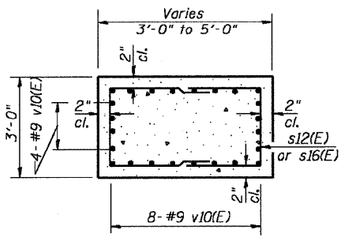

BAR p11(E)




SECTION A-A




SECTION C-C




SECTION B-B

Batter
3:12
2:12

PIER 1
IL. 170 F.A.P. 786 OVER
ILLINOIS RIVER AT SENECA
PUBLIC WATERS
LA SALLE COUNTY, SECTION 109 BR
STATION 79+04.42
STRUCTURE NO. 050-0246