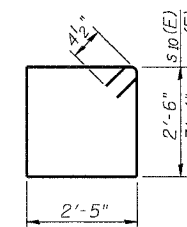
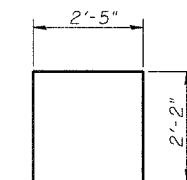


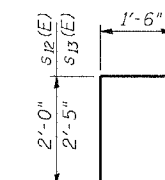
BAR u10 (E)



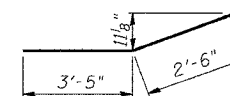
BAR s10 (E) & s14 (E)



BAR s11 (E)



BARS s12 (E) & s13 (E)



BAR p12 (E)

BILL OF MATERIAL

| Bar No. | Size | Length | Shape |
|----------------------------------|---------|---------|-------|
| h10 (E) | 48 #5 | 4'-11" | — |
| h11 (E) | 24 #5 | 5'-3" | — |
| h12 (E) | 24 #5 | 4'-7" | — |
| h13 (E) | 48 #5 | 3'-7" | — |
| h14 (E) | 3 #5 | 6'-9" | — |
| h15 (E) | 6 #5 | 24'-7" | — |
| h16 (E) | 3 #5 | 29'-10" | — |
| p10 (E) | 7 #7 | 22'-6" | — |
| p11 (E) | 6 #7 | 21'-10" | — |
| p12 (E) | 4 #7 | 5'-11" | — |
| s10 (E) | 23 #4 | 10'-7" | □ |
| s11 (E) | 16 #4 | 6'-9" | U |
| s12 (E) | 48 #4 | 3'-6" | U |
| s13 (E) | 16 #4 | 3'-11" | U |
| s14 (E) | 22 #4 | 12'-3" | □ |
| sp | 4 #4 | 23'-9" | ~ |
| sp1 (E) | 4 #4 | 11'-2" | ~ |
| u10 (E) | 6 #6 | 15'-1" | U |
| v11 | 32 #9 | 23'-9" | — |
| v12 (E) | 32 #9 | 9'-2" | — |
| v13 (E) | 32 #9 | 13'-6" | — |
| v14 (E) | 48 #5 | 13'-4" | — |
| Drilled Shaft in Soil | Foot | 50 | |
| Drilled Shaft in Rock | Foot | 47 | |
| Concrete Structures | Cu. Yd. | 41.2 | |
| Reinforcement Bars, Epoxy Coated | Pound | 5820 | |
| Reinforcement Bars | Pound | 3440 | |
| Bar Splicers | Each | 147 | |

NOTES

Reinforcement Bars designated (E) shall be epoxy coated. Cast steps monolithically with cap. Space cap reinforcement to miss anchor bolts. Minimum lap for spirals = 1 1/2 turns. **Length is height of spiral. Bars indicated thus 3x2-#7 etc. indicates 3 lines of bars with 2 lengths per line.

* If the prevailing water surface elevation during construction is consistently different than estimated on the plans, the contractor may propose an adjustment to the top of the drilled shaft elevation as part of their installation procedure. The top of all drilled shafts within a substructure unit shall be constructed to the same elevation and extend above the prevailing water surface. The quantities and reinforcement detailing are based on the top of shaft and the estimated elevations shown and may change based on the actual elevations encountered at each shaft and the final top of shaft elevation.

Work this sheet with sheet 22 of 26.

| | | | |
|--|---|--------------|-------------|
| SHEET TITLE | | PIER DETAILS | |
| PROJECT | IL RTE. 32/33 OVER LITTLE WABASH RIVER OVERFLOW F.A.P. RTE. 774 SECTION 107BY-1 EFFINGHAM COUNTY STATION 1018+86.92 STRUCTURE NO. 025-0077 | PROJECT NO. | 02017 |
| SCALE | | DATE | |
| DRAWN BY | TFG | CHECKED BY | KFS/CME/MCB |
| DRAWING NO. | | | |
| COOMBE-BLOXDORF P.C. Engineers / Land Surveyors Springfield, Illinois Design Firm License No. 184-002703 | | 23 | OF 26 SHTS |