



EAST ABUTMENT BILL OF MATERIAL

| Bar | No. | Size | Length | Shape |
|---|-----|---------|---------|-------|
| h50(E) | 72 | #5 | 24'-6" | — |
| h51(E) | 20 | #6 | 24'-1" | — |
| h52(E) | 96 | #5 | 7'-1" | — |
| h55(E) | 12 | #5 | 18'-10" | — |
| h63(E) | 77 | #4 | 26'-8" | — |
| h64(E) | 26 | #7 | 26'-9" | — |
| h65(E) | 26 | #7 | 26'-8" | — |
| h66(E) | 1 | #4 | 26'-9" | — |
| n50(E) | 104 | #6 | 17'-8" | — |
| n51(E) | 10 | #6 | 8'-10" | — |
| n52(E) | 28 | #6 | 18'-7" | — |
| p50(E) | 48 | #7 | 37'-3" | — |
| p51(E) | 16 | #6 | 28'-9" | — |
| p52(E) | 18 | #5 | 34'-7" | — |
| p53(E) | 10 | #7 | 28'-9" | — |
| s50(E) | 131 | #5 | 21'-7" | — |
| s51(E) | 56 | #4 | 9'-5" | — |
| s52(E) | 28 | #4 | 14'-5" | — |
| u50(E) | 10 | #6 | 16'-0" | — |
| u51(E) | 38 | #5 | 9'-8" | — |
| v50(E) | 86 | #5 | 4'-0" | — |
| v51(E) | 86 | #4 | 3'-11" | — |
| v62(E) | 56 | #6 | 14'-9" | — |
| v63(E) | 3 | #6 | 14'-10" | — |
| v64(E) | 109 | #6 | 14'-10" | — |
| v65(E) | 86 | #6 | 14'-3" | — |
| v66(E) | 86 | #6 | 12'-3" | — |
| Concrete Structures | | Cu. Yd. | 344.7 | |
| Reinforcement Bars, Epoxy Coated | | Pound | 28,930 | |
| Furnishing Metal Shell Piles 14" X 0.312" | | Foot | 2,632 | |
| Driving Piles | | Foot | 2,632 | |
| Test Pile Metal Shells | | Each | 1 | |
| Concrete Sealer | | Sq. Ft. | 1,955 | |

Note: Abutments shall have all exposed surfaces of backwalls, bridge seats, and front faces of pile caps treated with Concrete Sealer.

MINIMUM BAR LAP
(Abutment and Wingwalls)

| Other bars | Top bars |
|-----------------|-----------------|
| #4 bar = 2'-7" | #5 bar = 3'-8" |
| #5 bar = 3'-3" | #7 bar = 5'-10" |
| #6 bar = 3'-10" | |
| #7 bar = 5'-2" | |

For details of Bar Splicers, see sheet 104 of 133.
For details of metal shell piles see sheet 100 of 133.
For section B1-B1, see sheet 88 of 133.