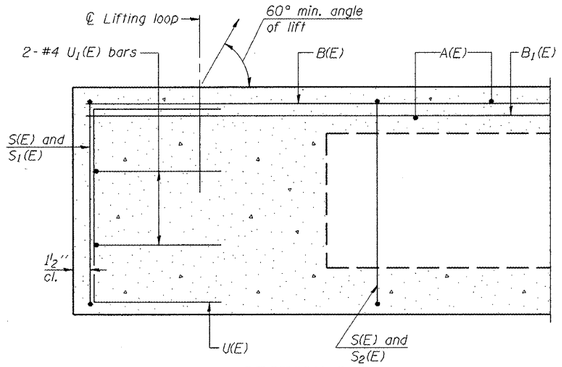
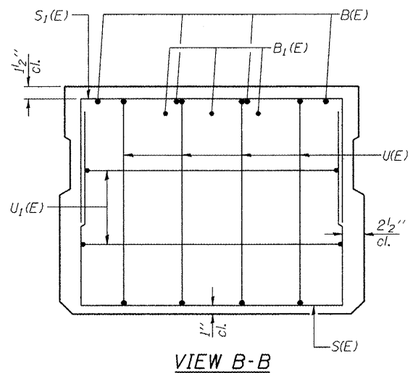
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| F.A.P. 744 | 108B-1-2 | TAZEWELL | 29 | 16 |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT- | | |

SHEET NO. 9
20 SHEETS

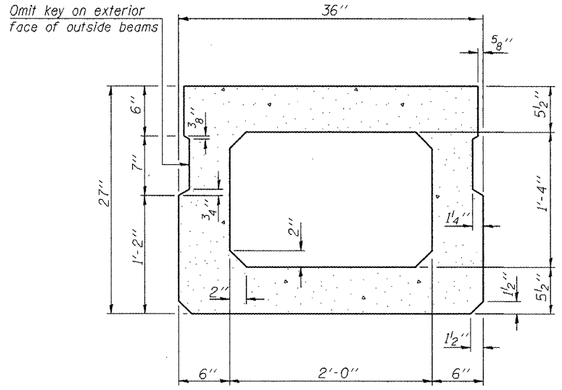
Contract # 68485



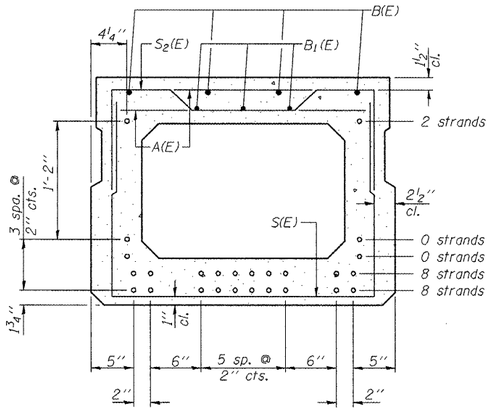

SECTION C-C




VIEW B-B

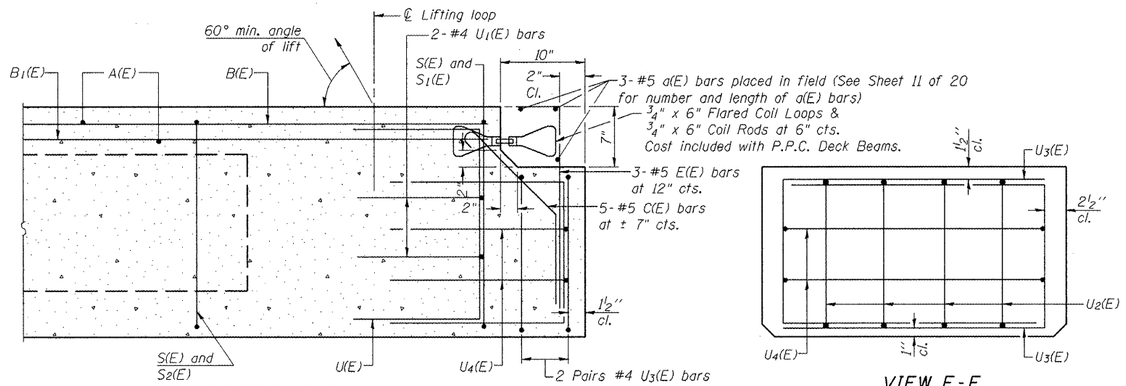



SECTION A-A
(Showing dimensions)




SECTION A-A
(Showing reinforcement and permissible strand locations)

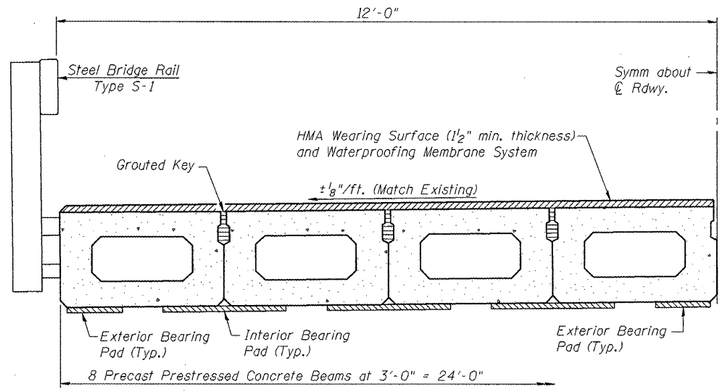
Note: Place the number of strands specified in each row symmetrically about the centerline of beam in the permissable strand locations shown.



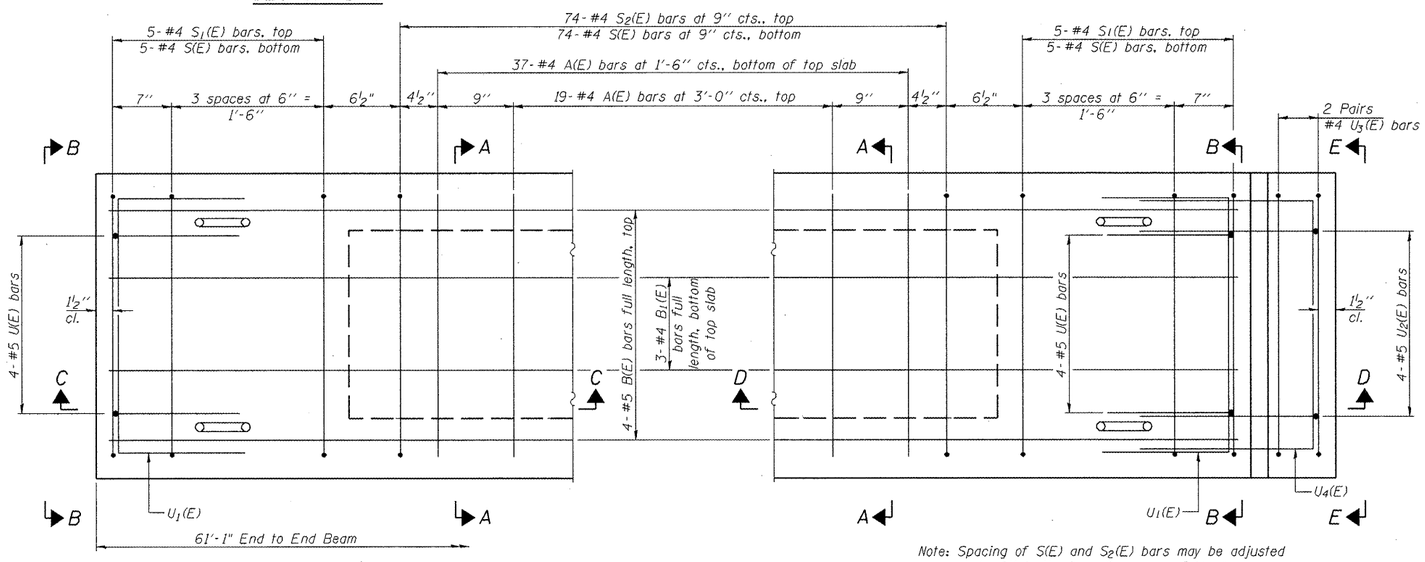

SECTION D-D




VIEW E-E




HALF CROSS SECTION




PLAN VIEW

Note: Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.

## BAR LIST
### ONE BEAM ONLY
(For information only)

| Bar | No. | Size | Length | Shape |
|---|---|---|---|---|
| A(E) | 56 | #4 | 2'-7" | — |
| B(E) | 4 | #5 | 60'-0" | — |
| B1(E) | 3 | #4 | 60'-0" | — |
| C(E) | 5 | #5 | 2'-11" | ⊂ |
| E(E) | 3 | #5 | 2'-7" | ⊏ |
| S(E) | 84 | #4 | 6'-5" | ⊔ |
| S1(E) | 10 | #4 | 6'-3" | ⊓ |
| S2(E) | 74 | #4 | 6'-6" | ⊓ |
| U(E) | 8 | #5 | 4'-6" | ⊏ |
| U1(E) | 4 | #4 | 5'-0" | ⊓ |
| U2(E) | 4 | #5 | 5'-7" | ⊏ |
| U3(E) | 4 | #4 | 6'-6" | ⊏ |
| U4(E) | 2 | #4 | 6'-8" | ⊓ |

Note: See sheet 10 of 20 for additional details and Bill of Material.

# 27 x 36 P.P.C. DECK BEAM
# SPAN 10
# F.A.S. ROUTE 744 (OLD IL 121)
# OVER MACKINAW RIVER
# SECTION 108B-I-2
# TAZEWELL COUNTY
# STATION 667+55.00
# STRUCTURE NO. 090-0087

ALLEN HENDERSON & ASSOCIATES, INC. CONSULTING CIVIL AND STRUCTURAL ENGINEERS SPRINGFIELD, IL. PHONE: (217) 544-8033 IL DESIGN FIRM NO. 184-001907