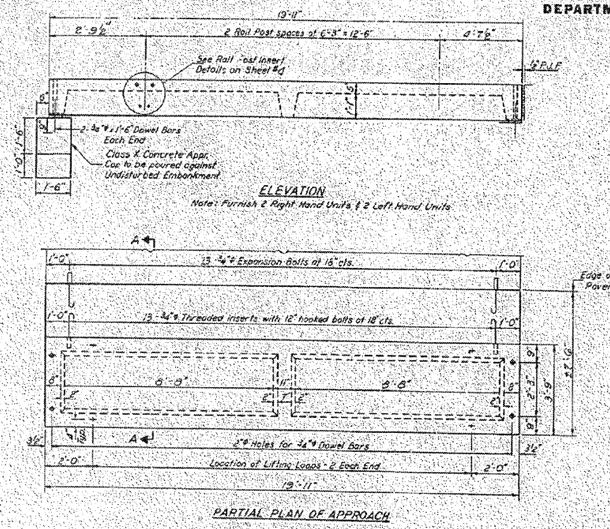
CONTRACT NO. 74107

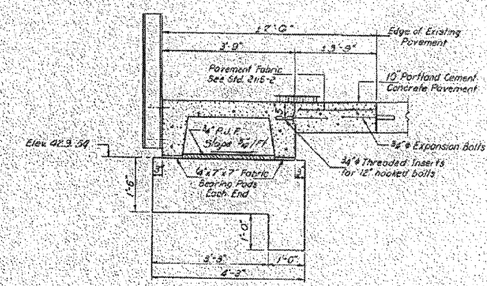
| FAP RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 328 | (8BR-3)B-1 | CLAY | 109 | 74 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

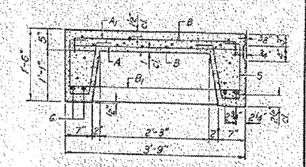
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

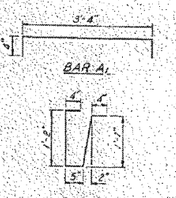
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| F.A.P. 328 | 8BR3 | CLAY | 21 | 8 |

SHEET NO. 2 OF 5 SHEETS



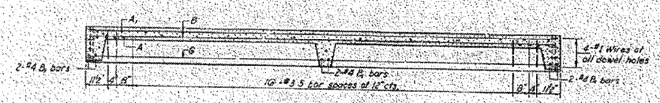



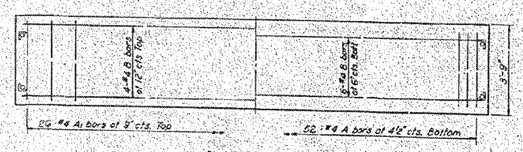




BAR LIST - ONE UNIT
Reinforcement to be cast into slab

| Bar | No | Size | Length | Shape |
|---|---|---|---|---|
| A | 22 | #4 | 3'-3" | |
| A1 | 22 | #4 | 4'-0" | |
| B | 10 | #4 | 19'-8" | |
| B1 | 6 | #4 | 3'-6" | |
| | | | | |
| G | 4 | #10 | 19'-8" | |
| S | 22 | #3 | 3'-4" | |




NOTES

Unless otherwise approved by the Engineer, lifting loops shall be ⅝" 6x19 class wire rope with fiber core and shall have a minimum ultimate strength of 18,700 lbs. Loops shall be burned off after slab has been erected.

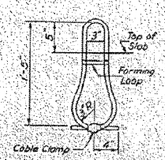
Holes shall be drilled and anchor dowels grouted in place.

Cost of reinforcement and accessories cast into the slab unit, bearing pads, furnishing, drilling for, placing and grouting anchor dowels and ¾" hooked bolts is included in Unit bid price for "Precast Concrete Bridge Slab."

The Precast Concrete Bridge Slab shall be erected and aligned with the exterior face of the exterior Deck Beam after Deck Beams are in final position.

BILL OF MATERIAL

| Item | Unit | Quantity |
|---|---|---|
| Precast Concrete Bridge Slab | Sq. Ft. | 299 |
| Portland Cement Concrete Pavement (10") | Sq. Yds. | 33 |
| Pavement Fabric | Sq. Yds. | 33 |
| Expansion Bolts ¾"φ | Each | 52 |
| Class X Concrete | Cu. Yds. | 1.6 |




STRESSES
$f_c$ = 4,500 psi.
$f_v$ = 1,800 psi.
$f_s$ = 20,000 psi.
n = 8
LOADING HS-20

APPROACH DETAILS
FA RT 328 SEC (8BR-3)B-1
CLAY COUNTY
STA 388+25.10

DESIGNED
CHECKED
DRAWN
CHECKED
EXAMINED
PASSED
APPROVED

AP-1 20 Precast Appr. Unit (Rt. 2) (5-15-97)

ESCA CONSULTANTS, INC.

| | | |
|---|---|---|
| DESIGNED BY: | DAJ | 04/08 |
| DRAWN BY: | HAS | 04/08 |
| CHECKED BY: | MTD | 05/08 |
| APPROVED BY: | RDP | 08/08 |

FOR INFORMATION ONLY

EXISTING STRUCTURE PLANS
US 45 OVER SEMINARY CREEK OVERFLOW
FAP ROUTE 328 - SECTION (8BR-3)B-1
CLAY COUNTY