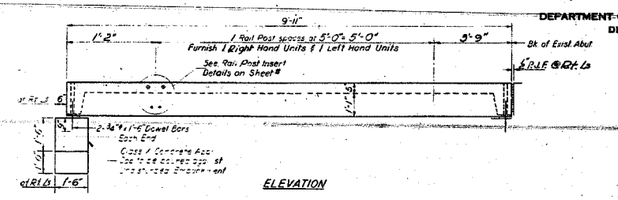
CONTRACT NO. 76949

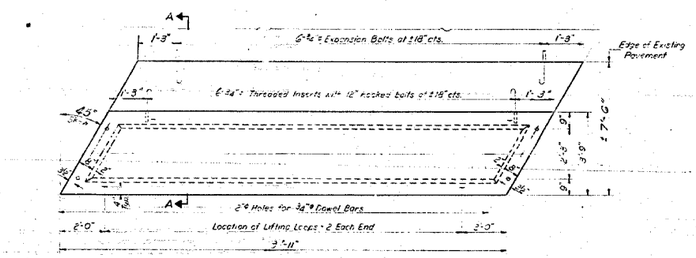
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1832	5BR-2	WASHINGTON	97	86
STA. _____	TO STA. _____			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

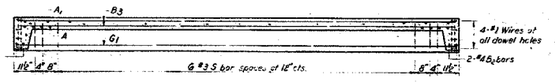
STATE OF ILLINOIS
DEPARTMENT OF ~~PUBLIC WORKS & BUILDINGS~~
DIVISION OF HIGHWAYS

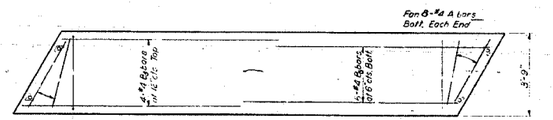
STATE NO.	DISTRICT	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 1832	5 BR-2	WASHINGTON	20	16

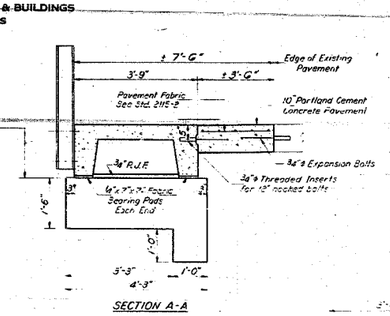
SHEET NO. 4 OF 4 SHEETS

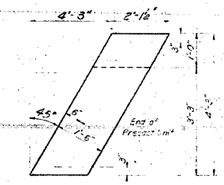


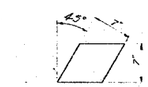


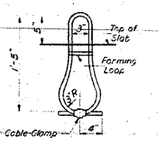


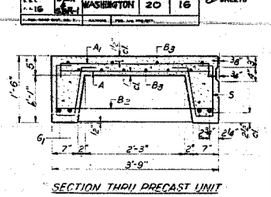


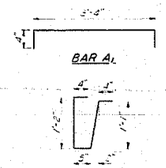












BAR LIST - ONE UNIT

Reinforcement to be cast into slab

Bar	No.	Size	Length	Shape
A	27	#4	3'-3"	
A1	12	#4	4'-0"	
B2	10	#3	3'-6"	
B3	6	#4	5'-0"	
G1	4	#7	3'-6"	
S	22	#3	3'-4"	U

NOTES

Unless otherwise approved by the Engineer, lifting loops shall be 1/2"ø, 6x19 class wire rope with fiber core and shall have a minimum ultimate strength of 15,700 lbs. Loops shall be bent out 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 3/4"ø 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	75
For Hand Cement Concrete Pavement (10")	Sq Yds	2
Pavement Fabric	Sq Yds	8
Expansion Bolts 3/4"ø	Each	12
Class X Concrete	Cu Yds	1.1

STRESSES

$f_c = 4,500$ psi
$f_c = 1,800$ psi
$f_s = 20,000$ psi
$n = 8$

LOADING HS-20

EAST
APPROACH DETAILS
F.A.S. RT. 16 SEC. 5 BR
WASHINGTON COUNTY
STATION 1510+80

DESIGNED	
CHECKED	
DRAWN	J.L. Armstrong
CHECKED	

EXAMINED March 24, 1971
PASSED
APPROVED

AP-3. 20' Precast Appr. Unit (Skewed L.F.)

FOR INFORMATION ONLY

S.N. 095-0078

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS

FAS ROUTE 1832
SECTION 5BR-2
WASHINGTON COUNTY

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

PLOT DATE = 11/29/2007
FILE NAME = c:\projects\d9181\plan\pln9181sa.dgn
PLOT SCALE = 50.0000 '/ IN.
REFERENCE = REF