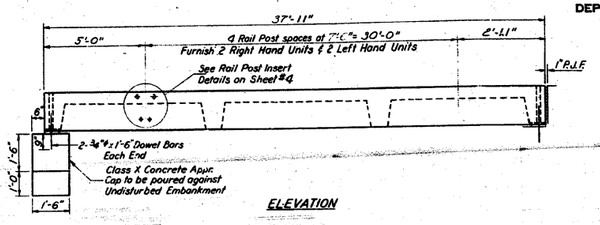
CONTRACT NO. 76961

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1780	27-1BR-1	CLINTON	69	56
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

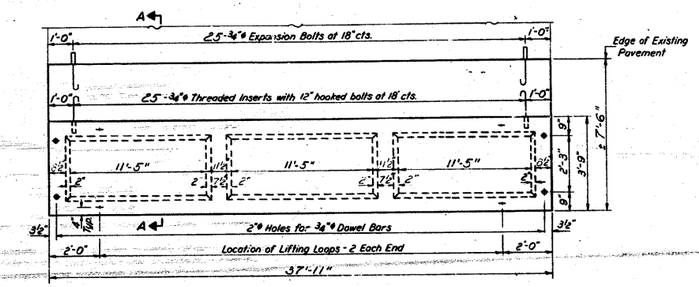
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 12	27BR	CLINTON	11	6
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

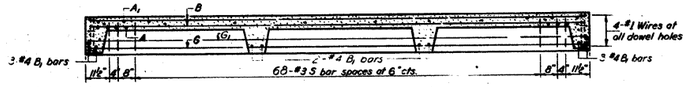
SHEET NO. 2 OF SHEETS



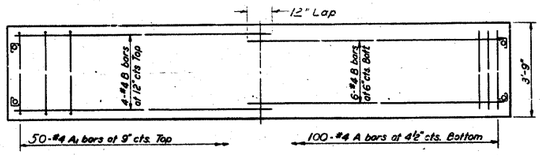
ELEVATION



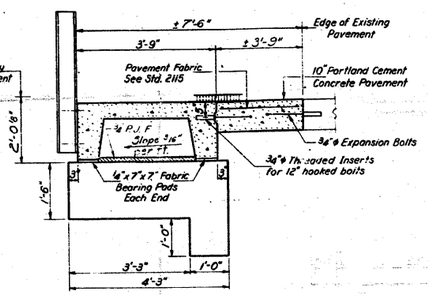
PARTIAL PLAN OF APPROACH



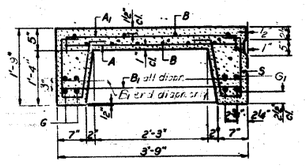
LONGITUDINAL SECTION



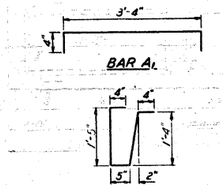
SLAB REINFORCEMENT



SECTION A-A



SECTION THRU PRECAST UNIT



BAR A1

BAR S

BAR LIST - ONE UNIT
Reinforcement to be cast into slab

Bar	No.	Size	Length	Shape
A	100	#4	3'-3"	
A_1	50	#4	4'-0"	
B	20	#4	13'-4"	
B_1	10	#4	3'-6"	
G	4	#11	37'-7"	
G_1	4	#11	37'-7"	
S	136	#3	3'-10"	

NOTES

Unless otherwise approved by the Engineer, lifting loops shall be ¾"ø, 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.

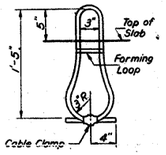
Holes shall be drilled and anchor dowels grouted in place.

Cost of reinforcement and accessories cast into the slab unit, bearing pads, furnishing, drilling for, placing and grouting anchor dowels and ¾"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.	569
Portland Cement Concrete Pavement (10")	Sq. Yds.	6.3
Pavement Fabric	Sq. Yds.	6.3
Expansion Bolts ¾"ø	Each	100
Class X Concrete	Cu. Yds.	1.6



LIFTING LOOP DETAIL

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

LOADING HS-20

APPROACH DETAILS
S.B. I RT 12, SEC. 27BR
CLINTON COUNTY
STATION 385+63

DESIGNED	James Lamb
CHECKED	James Ponce
DRAWN	J.L. Armstrong
CHECKED	J.H. JP

EXAMINED Jan. 27 1970
PASSED W.B. Bauernschmidt
APPROVED Richard H. Lotterman

AP-4 >20' Precast Appr. Unit (Rt. L)

FOR INFORMATION ONLY

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLAN

FAS ROUTE 1780
SECTION 27-1BR-1
CLINTON COUNTY
SN 014-0030 (E) 0077 (P)

PLOT DATE = 7/18/2007
FILE NAME = c:\projects\edl2285\plan\plan102285a.dgn
PLOT SCALE = 50.0000 '/ IN.
REFERENCE = REF