CONTRACT NO. 98999

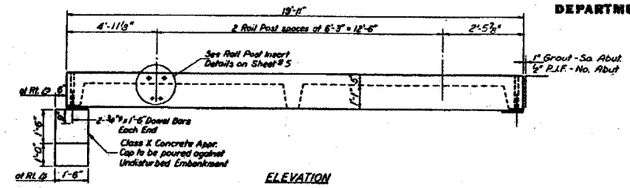
FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
869	(105A)B-1	SALINE	71	50
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

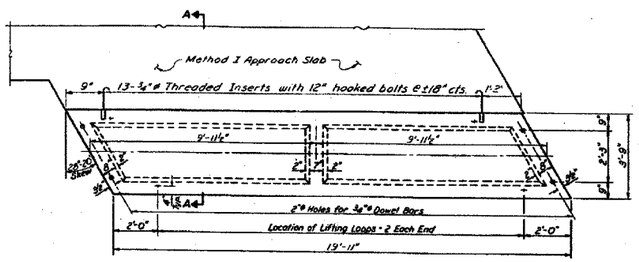
*105 (B-DR, B-DR-1, B-DR-2, B-D.P-3, B-DR-4)

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 143	4	SALINE	68	43

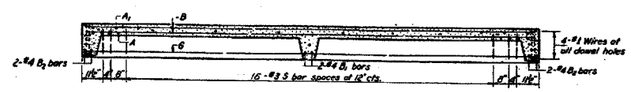
SHEET NO. 4 / 7 SHEETS



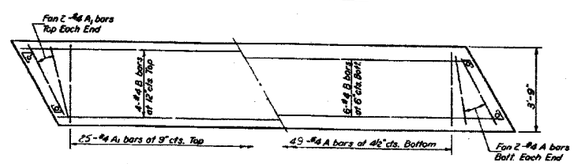
ELEVATION



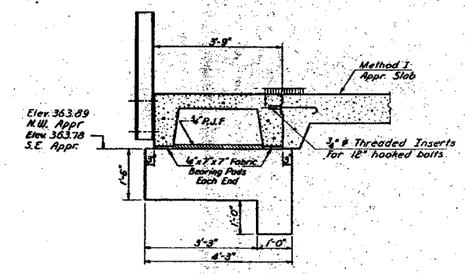
PARTIAL PLAN OF APPROACH



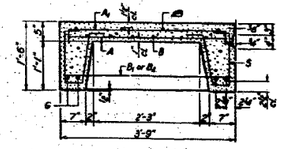
LONGITUDINAL SECTION



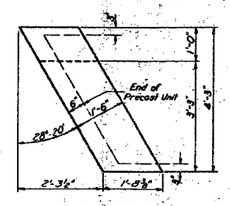
SLAB REINFORCEMENT



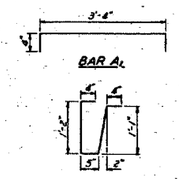
SECTION A-A



SECTION THRU PRECAST UNIT



PLAN - APPR. CAP



BAR LIST - ONE UNIT

Reinforcement to be cast into slab

Bar	No.	Size	Length	Shape
A	51	#4	3'-3"	
A1	25	#4	4'-0"	
B	10	#4	19'-6"	
B1	2	#4	3'-6"	
B2	4	#4	4'-0"	
G	4	#10	19'-6"	
S	20	#3	3'-8"	

NOTES

Unless otherwise approved by the Engineer, lifting loops shall be ½"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 provided in place.

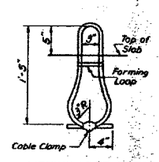
Cost of reinforcement and accessories cast into the slab unit, bearing pads, furnishing, drilling for, placing and grouting anchor dowels and ¾"ø hooked bolts is included in Unit bid price for "Precast Concrete Bridge Slab."

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.

FABRIC BRG. PAD

BILL OF MATERIAL

Item	Unit	Quantity
Precast Concrete Bridge Slab	Sq. Ft.	149
Class X Concrete	Cu. Yd.	0.8



LIFTING LOOP DETAIL

STRESSES
fc = 4,500 psi.
fs = 1,800 psi.
fs = 20,000 psi.
n = 8
LOADING HS-20

NORTH WEST & SOUTH EAST APPROACH BEAM DETAILS
S.B.I. RT. 143 - SEC. 105B-DR-4
SALINE COUNTY
STA. 16+49 ± 25

DESIGNED Glen M. Ritchie
CHECKED B. P. Higham
DRAWN G.M.R.
CHECKED

EXAMINED Sept 23 19
PASSED
APPROVED

AP-2 20' Precast Appr. Unit (Skewed R.F.) (5-15-71)

ESCA CONSULTANTS, INC.

DESIGNED BY:	MTD	06/07
DRAWN BY:	DWH	06/07
CHECKED BY:	MTD	10/07
APPROVED BY:	RDP	03/08

PLOT DATE = #DATE#
FILE NAME = #FILEL#
PLOT SCALE = #SCALE#
REFERENCE = #REF#

FOR INFORMATION ONLY

EXISTING STRUCTURE PLANS
FAP RTE 869 (IL 34)
SECTION (105A)B-1
SALINE COUNTY