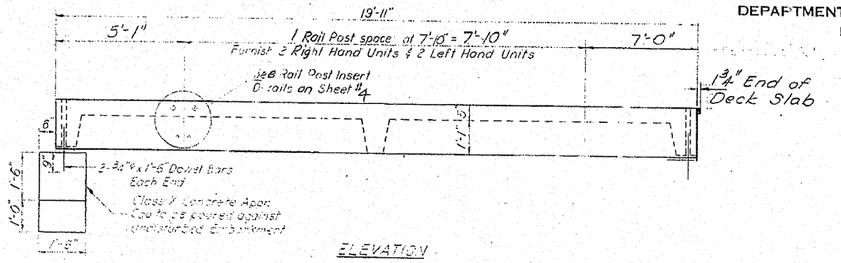
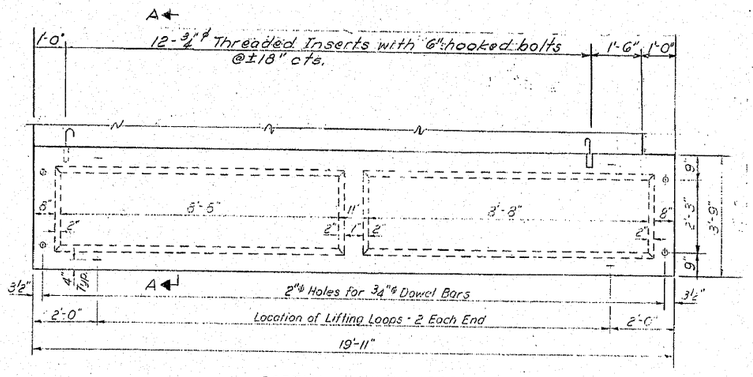
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S. B. I. 82 F. A.	129B-1	Henry	38	15
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

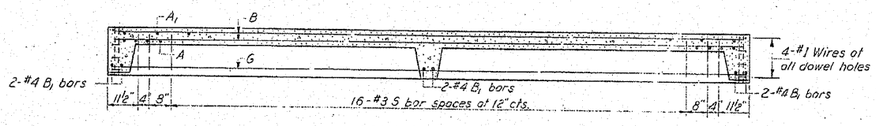
SHEET NO. 3
10 SHEETS



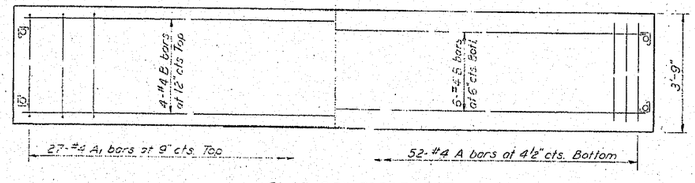
ELEVATION



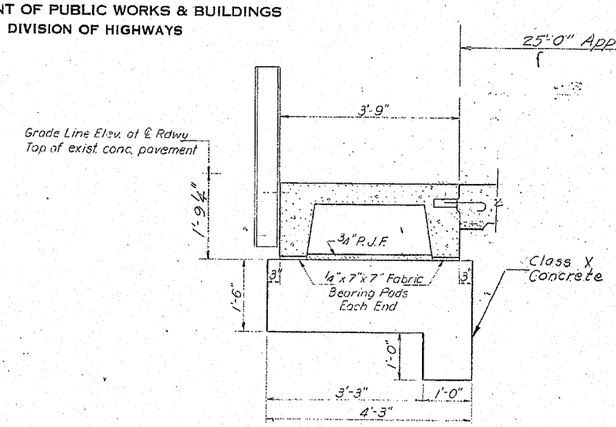
PARTIAL PLAN OF APPROACH



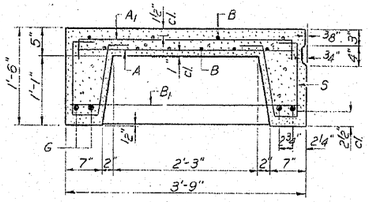
LONGITUDINAL SECTION



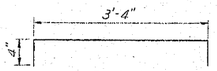
SLAB REINFORCEMENT



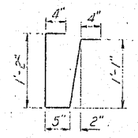
SECTION A-A



SECTION THRU PRECAST UNIT



BAR A1



BAR S

BAR LIST - ONE UNIT
Reinforcement to be cast into slab

Bar	No	Size	Length	Shape
A	52	#4	3'-3"	
A1	27	#4	4'-0"	
B	10	#4	19'-6"	
B1	6	#4	3'-6"	
G	4	#10	19'-6"	
S	42	#3	3'-4"	

SHOWN FOR INFORMATION ONLY

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 12,700 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."

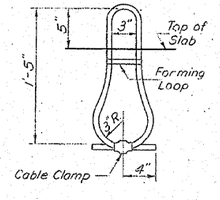
The Precast Concrete Bridge Slab shall be erected and aligned with the exterior face of the exterior Deck Beam after Deck Beams are in final position.

BILL OF MATERIAL

Item	Unit	Quantity
Precast Concrete Bridge Slab	Sq. Ft.	299
Class X Concrete	Cu.Yds.	1.6

DESIGNED	Ackerson		
CHECKED	R. F. Rooker	EXAMINED	May 17 1971
DRAWN	F.M. J.L. Armstrong	PASSED	
CHECKED	R F R	APPROVED	

ENGINEER OF DESIGN
DISTRICT ENGINEER



LIFTING LOOP DETAIL

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

LOADING HS-20

APPROACH DETAILS
S.B.I. RT. 82 SEC. 129 B-1
HENRY COUNTY
STA. 1285 + 20.76

AP-1 20' Precast Apr Unit (RT ℄)

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - JDS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 82 OVER HENNEPIN CANAL EXISTING STRUCTURE PLANS
		DRAWN - WLL	REVISED -		
	PLOT SCALE = $SCALE$	CHECKED - RJA	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.
	PLOT DATE = $DATE$	DATE -	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
638	129BR-3	HENRY	73	45
		CONTRACT NO. 64B08		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		