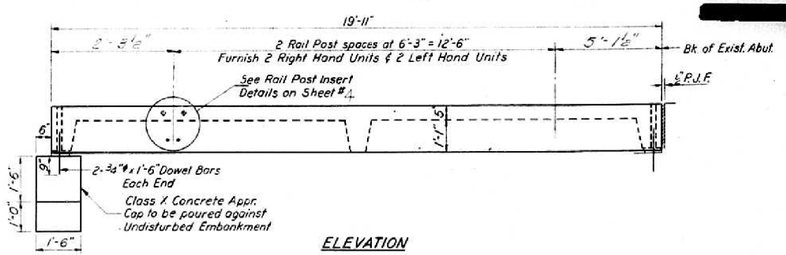
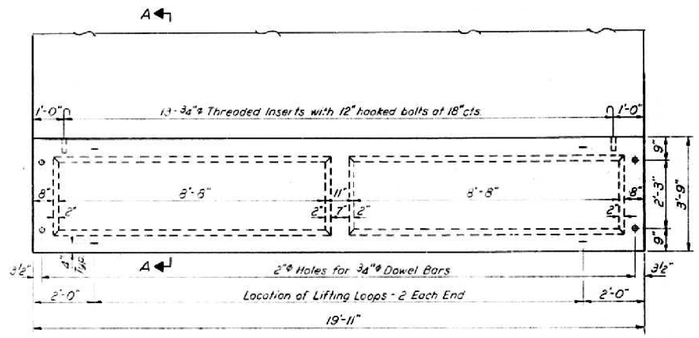
STATE OF ILLINOIS

ROUTE SEC.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 793	40BR	MADISON	11	6
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

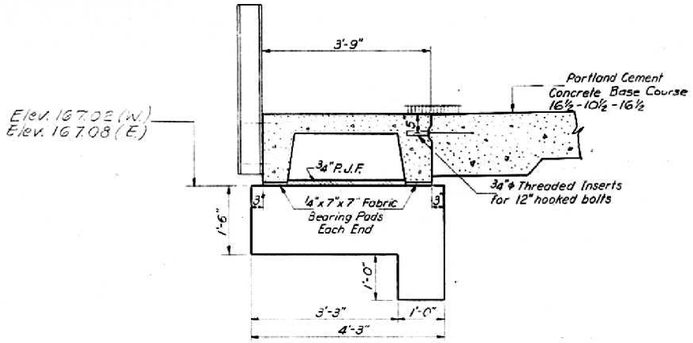
SHEET NO. 2
7 SHEETS



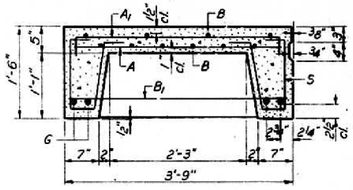
ELEVATION



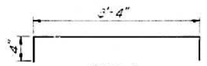
PARTIAL PLAN OF APPROACH



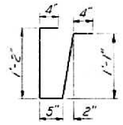
SECTION A-A



SECTION THRU PRECAST UNIT



BAR A1

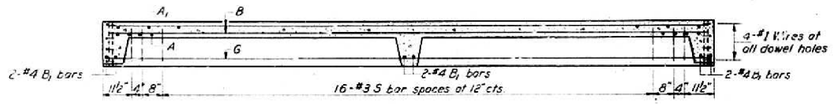


BAR S

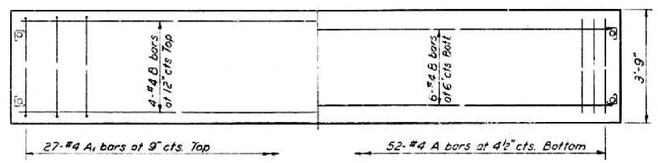
BAR LIST - ONE UNIT

Reinforcement to be cast into slab

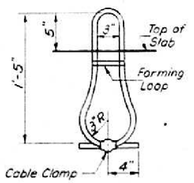
Bar	No	Size	Length	Shape
A	52	#4	3'-3"	
A1	27	#4	4'-0"	
B	10	#4	19'-6"	
B1	6	#4	3'-6"	
G	4	#10	19'-6"	
S	42	#3	3'-4"	



LONGITUDINAL SECTION



SLAB REINFORCEMENT



LIFTING LOOP DETAIL

NOTES

Unless otherwise approved by the Engineer, lifting loops shall be ½", 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.	299
Class X Concrete	Cu.Yds.	1.6

STRESSES

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

LOADING HS-20

APPROACH DETAILS

F.A. RT. 793 SEC. 40BR
MADISON COUNTY
STA. 56+45.00

DESIGNED	Allen Yilmaz Lee
CHECKED	F. Mercado
DRAWN	J.L. Armstrong F.M.
CHECKED	Allen Yilmaz Lee

EXAMINED April 27 1971
PASSED W.E. Bamesberger
APPROVED Richard H. Gutterman

AP-1 20' Precast Appr Unit (Rt. ℄)

FOR INFORMATION ONLY

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = $SCALE$	CHECKED -	REVISED -
	PLOT DATE = $DATE$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLAN

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	40BR-1	MADISON	72	56
		CONTRACT NO. 76A36		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		