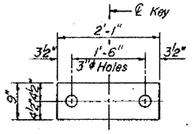
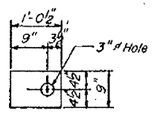
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			30	11
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

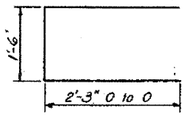
SHEET NO. 4
14 SHEETS



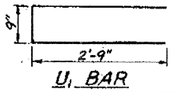
FABRIC BEARING PAD
(Interior)



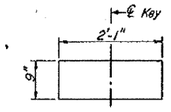
FABRIC BEARING PAD
(Exterior)



U BAR

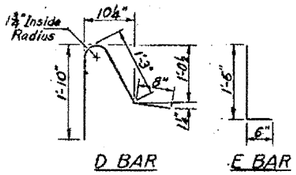


U1 BAR

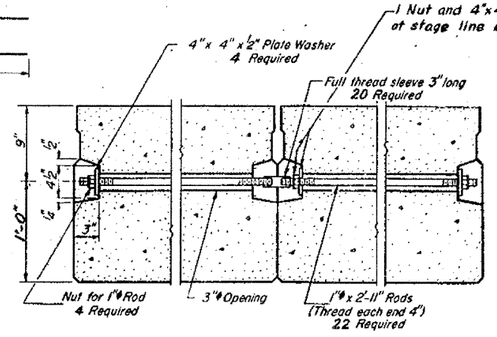


GRAPHITED ASBESTOS
BEARING PAD
(Interior)

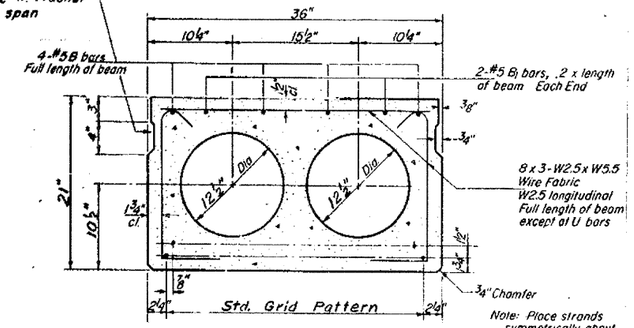
GRAPHITED ASBESTOS
BEARING PAD
(Exterior)



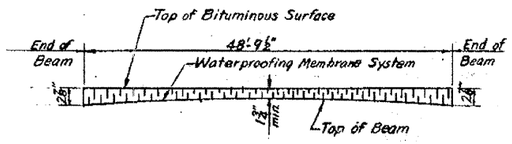
D BAR E BAR



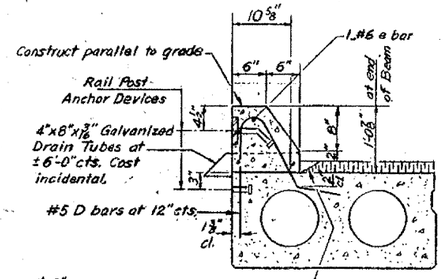
TYPICAL TRANSVERSE TIE ASSEMBLY

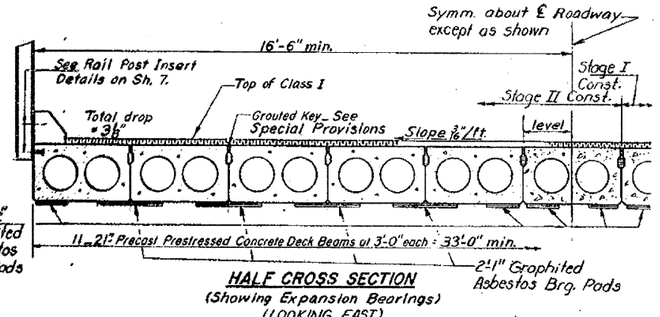


TYPICAL SECTION
½"ø Strands, Each Strand Stressed to 28,900 Lbs.
4-Strands 1¾" up, 9-Strands ¾" up.



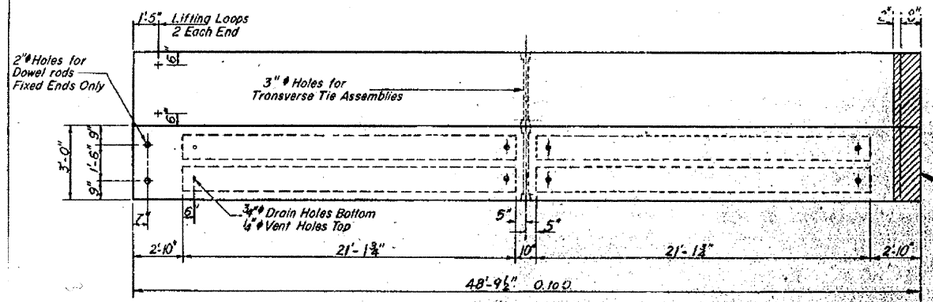
ANTICIPATED CAMBER DIAGRAM



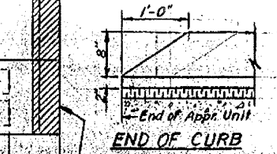


HALF CROSS SECTION
(Showing Expansion Bearings)
(LOOKING EAST)

Note:
For Cross Section showing fixed bearings see sheet #5.

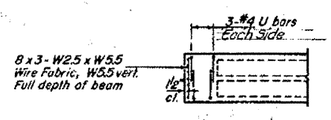


FIXED END PLAN EXP END

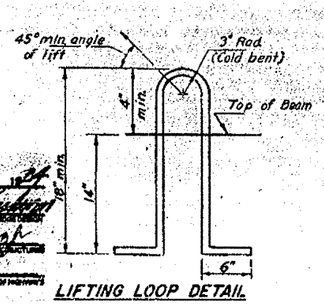


END OF CURB

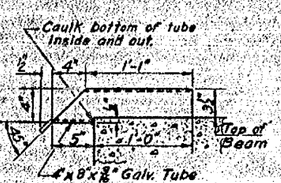
For Details of Exp End see Sheet #5.



END PLAN
(Fixed End)



LIFTING LOOP DETAIL



DRAIN DETAIL
(Cost Incidental)

SECTION THRU CURB

Curbs shall be poured in the field. Class X Concrete & ø bars for curbs are billed on Sheet #7.

NOTES

Prestressing steel shall be non-galvanized high strength, stress-relieved 7-wire strand, Grade 270. The nominal diameter shall be ½" and the nominal cross-sectional area shall be 0.153 sq. in.

Lifting loops shall be ⅝" diameter, 6 x 25 class wire rope with fiber core and shall have a minimum ultimate tensile strength of 33,000 lbs. or 2-½" f'-270 ksi strands, as shown.

The 1" ø rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets that receive transverse tie bar on outside shall be filled with grout after transverse tie assembly is in place.

Reinforcement bars shall conform to AASHTO: M-31 or M-53, Grade 60.

The bearing seat surfaces shall be adjusted by shimming to assure firm and even bearing. Two ⅛" fabric adjusting shims of the dimensions of the Exterior Bearing Pad shall be provided for each bearing.

Keyway surfaces shall be cleaned to remove form oil or other bond breaking material prior to shipment of beams. Cleaning shall be done by sandblasting the keyway areas between top of the beam and the bottom edge of the key.

A Calcium Nitrite Corrosion Inhibitor, as covered in the Special Provisions, shall be used in the concrete for precast prestressed deck beams.

Required Release Strength, f'ci, shall be 4,000 psi.

An equal substitution of the low-relaxation strands for the stress-relieved strands will be permitted.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	6	#5	15'-5"	——
a1	6	#5	18'-0"	——
Precast Prestressed Concrete Deck Beams (21" Depth)		Sq. Ft.	3220	
Class X Concrete		Cu. Yds.	1.5	
Reinforcement Bars		Lbs.	210	

DESIGNED	D.C.		
CHECKED	G.R.	LK	
DRAWN			
CHECKED	GR.	LK	

January 12 19 24
EXAMINED James T. Rowan
PASSED Carl E. Lummen
APPROVED

PD-3-S 6-15-80

SPANS 1 & 5
DECK BEAM DETAILS
F.A. RT. 805 SEC. 126 BR
CLINTON COUNTY
STATION 1119+05

FOR INFORMATION ONLY

FILE NAME =	USER NAME = gelinh	DESIGNED - HG	REVISED - ---
c:\pw_work\pwidot\gelinh\dms51845\pln885[illegible]6e.dgn		DRAWN - HG	REVISED - ---
	PLOT SCALE = 103.6465 ' / IN.	CHECKED - ---	REVISED - ---
	PLOT DATE = 12/9/2008	DATE - ----------	REVISED - ---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE

SCALE: 1" = 50" | SHEET NO. -- OF --- SHEETS | STA. ---------- TO STA. ----------

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	126-BR-1	CLINTON	85	69
		CONTRACT NO. 76976		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		