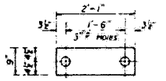
CONTRACT NO. 78010

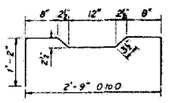
FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
132	1BR-3	SALINE	114	84
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT AID		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

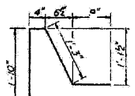
SHEET NO. 2
5 SHEETS



FABRIC BEARING PAD

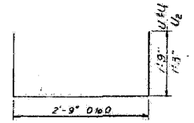


A1 BAR

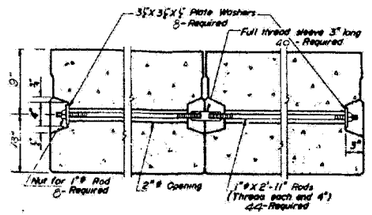


D BAR

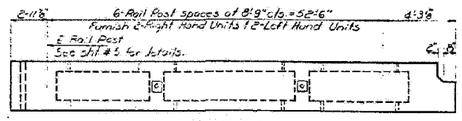
GRAPHITED ASBESTOS BEARING PAD



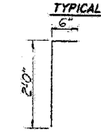
U1 U2 & U3 BAR



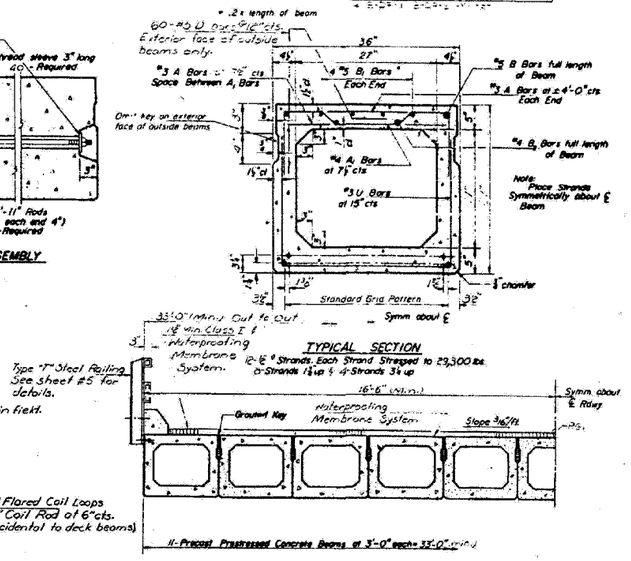
TYPICAL TRANSVERSE TIE ASSEMBLY



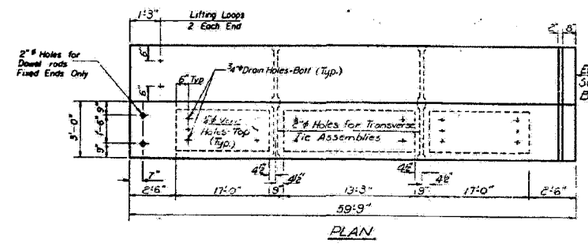
ELEVATION



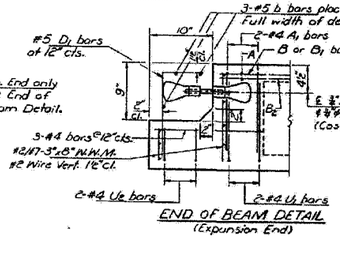
D1 BAR



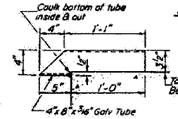
TYPICAL SECTION



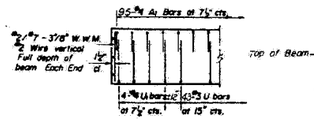
PLAN



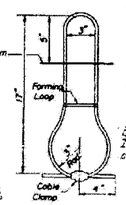
END OF BEAM DETAIL
(Expansion End)



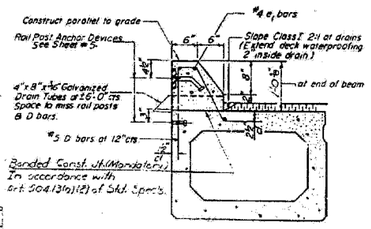
DRAIN DETAIL
(Cost Incidental)



END ELEVATION
(Fixed End)



LIFTING LOOP DETAIL



SECTION THRU CURB
(Fix shall be poured in the field
Dowels & Corners 3 #5 bars for curbs
as in 2'-1" on Sheet #5

GENERAL 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 ⅜" diameter, 6 x 25 class wire rope with fiber core and shall have a minimum ultimate tensile strength of 33,000 lbs.

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 beam shall be filled with grout after transverse tie assembly is in place.

Longitudinal shear keys shall be packed with a very dry mix of 2:1 sand and P.C. mortar. After beams have been erected, holes for the dowel anchors shall be drilled into the substructure and the interior voids shall be grouted in place.

Cost of reinforcement and accessories cast into the beam, of bearing pads, of dowel rods and of grouting longitudinal shear keys is included in unit price bid for "Precast Prestressed Concrete Deck Beams."

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
U	9	#5	32'-9"	
Precast Prestressed Concrete Deck Beams (27" Depth)			Sq. Ft.	1034
Class S Concrete			Cu. Yd.	17
Reinforcement Bars			Pound	1700

SUPERSTRUCTURE
F.A. RT. 132 SEC. 1B-DR-2
SALINE COUNTY
STA. 2+11.00 TO 10.00

DESIGNED		EXAMINED
CHECKED		PASSED
DRAWN	R. Daly	APPROVED
CHECKED		

ESCA CONSULTANTS, INC.

DESIGNED BY:	JMS	06/07
DRAWN BY:	HAS	06/07
CHECKED BY:	MTD	06/07
APPROVED BY:	RDP	06/07

FOR INFORMATION ONLY

EXISTING STRUCTURE PLANS
FAP RTE 132 (IL 34/145)
SECTION 1BR-3
SALINE COUNTY