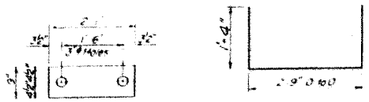
CONTRACT NO. 64583

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
567	34X-BR	DEKALB	90	49
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

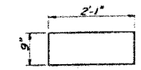
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 567	121B	Dekalb	15	7

SHEET NO. 3 OF 9 SHEETS

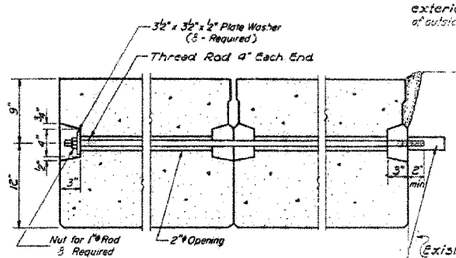


FABRIC BEARING PAD

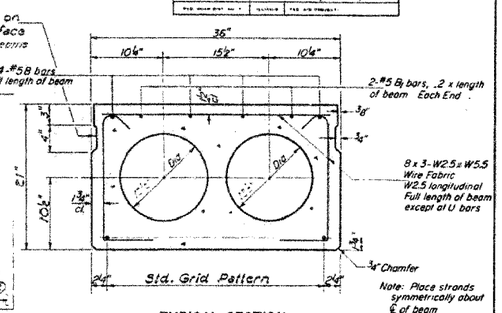
U BAR



GRAPHITED ASBESTOS BEARING PAD

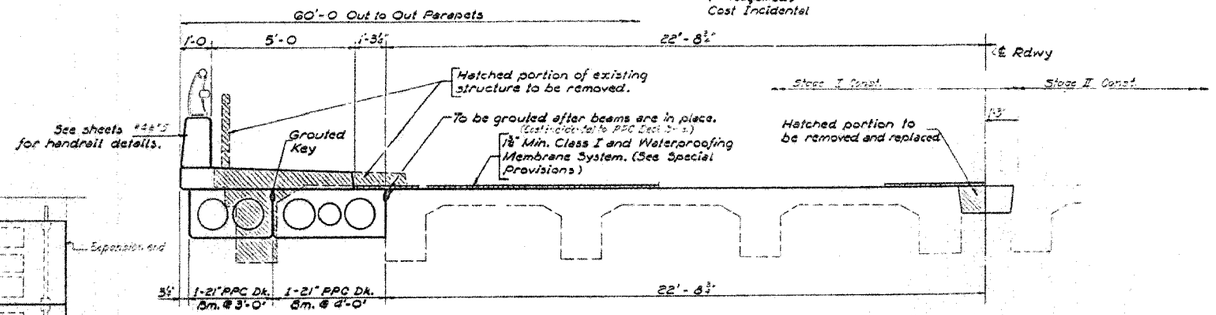


TYPICAL TRANSVERSE TIE ASSEMBLY

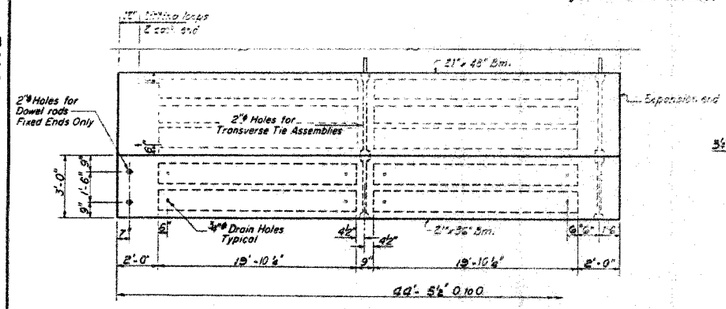


TYPICAL SECTION

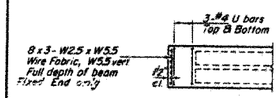
3-½"ø Strands, Each Strand Stressed to 28,900 Lbs.
9 - Strands 14" up.



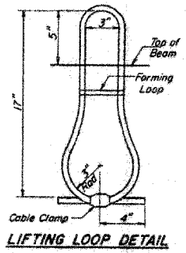
HALF CROSS SECTION
(looking East)



PLAN



END PLAN-FIXED END



LIFTING LOOP DETAIL

DESIGNED	J. Hoerth
CHECKED	J. I. Gonulsen
DRAWN	R. B. Carbonell
CHECKED	J. I. G.

EXAMINED March 30 1979
Carl E. Hummert
PASSED
APPROVED
DIRECTOR OF HIGHWAYS

PD-3-S 8-1-78

BILL OF MATERIAL

Bar	No	Size	Length	Shape
Precast Prestressed Concrete Deck Beams (21"x36")			Sq Ft	5%

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 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 anchor dowels shall be grouted in place.

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

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

SUPERSTRUCTURE
F.A. RT. 567 SEC. 34-X-BY
DEKALB COUNTY
STATION 141+02.40

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EXISTING BRIDGE PLANS

FAP RTE 567 (IL RTE 38)
SECTION 34X-BR
DEKALB COUNTY

SCALE: VERT.
HORIZ.
DATE 2/24/06

DRAWN BY SUTHEARD
CHECKED BY BOTT

GREENE & BRADFORD, INC. OF SPRINGFIELD
CONSULTING ENGINEERING AND CONSTRUCTION SERVICES
SPRINGFIELD, ILLINOIS 62711-0027
PROFESSIONAL DESIGN FIRM NO. 184-000117
PROFESSIONAL SURVEY FIRM NO. 184-003277
(217) 793-6644, (217) 793-6627, (FAX), E-MAIL = GBMAIL@GREENE-BRADFORD.COM

COMPUTER FILE NO. D10800EPLN
PROJECT 05198
2/27/06-MDS

FOR INFORMATION ONLY

PLOT DATE = #DATE#
FILE NAME = #FILE$
PLOT SCALE = #SCALE$
REFERENCE = #REF#
OPERATOR = #USER$

EXISTING BRIDGE PLANS