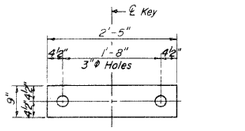
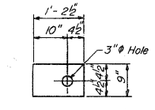
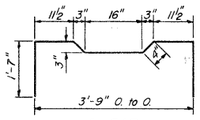
EXISTING STRUCTURE PLANS
(FOR REFERENCE ONLY)



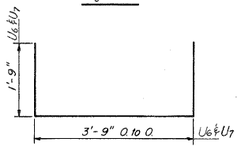
FABRIC BEARING PAD
(Interior)
(48" Beams)



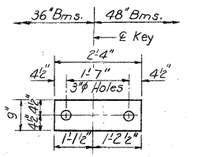
FABRIC BEARING PAD
(Exterior)
(48" Beams)



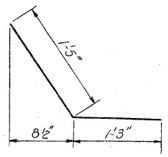
A_5 BAR



U_6 & U_7 BARS



SPECIAL FABRIC BRG. PAD

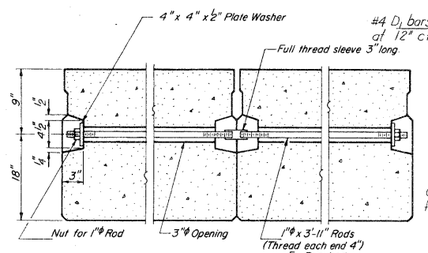


$D_4(E)$ BAR

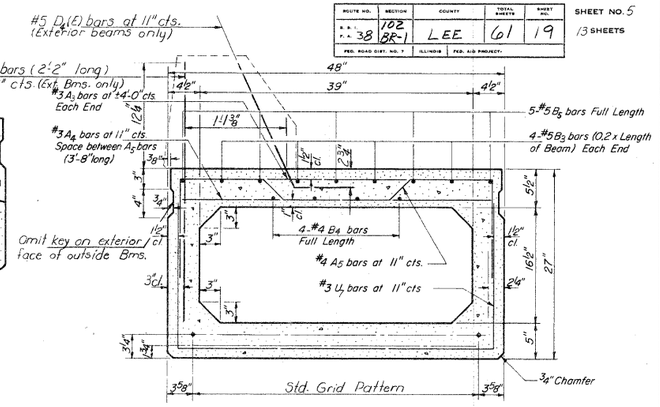
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 38	102 BR-1	LEE	61	19
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 5
13 SHEETS

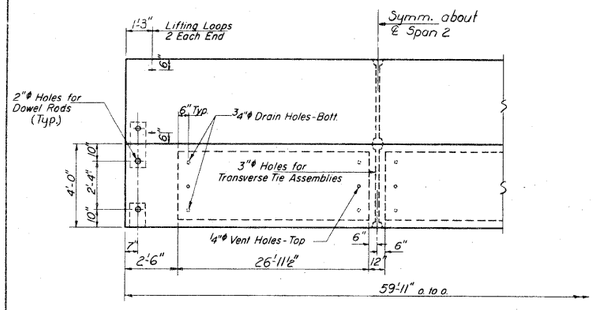


TYPICAL TRANSVERSE TIE ASSEMBLY
(48" Beams)

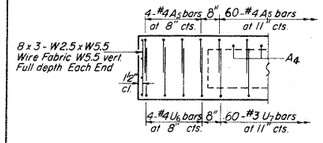


TYPICAL SECTION
16-½"ϕ Strands Each Strand Stressed to 28,900 Lbs.
14-Strands 1¾" up, 2-Strands 3¼" up,

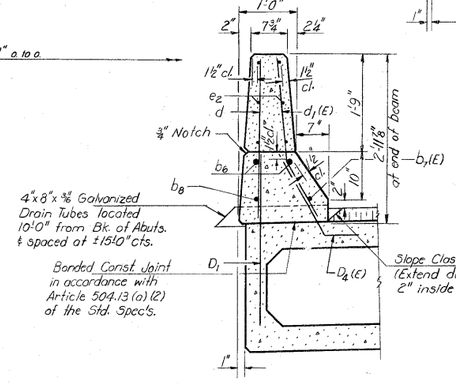
Note:
Place strands symmetrically about ℄ beam. Place to miss dowel rods.



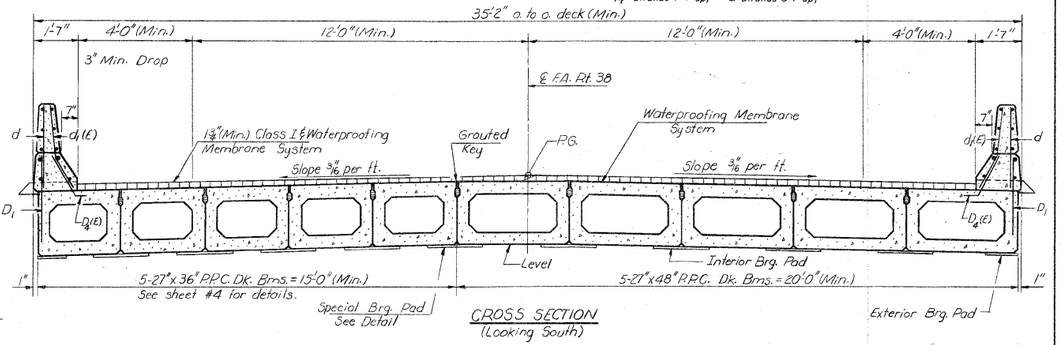
HALF PLAN
(48" Brns.)



END ELEVATION
(48" Brns.)



SEC. THRU PARAPET
(Span 2)



CROSS SECTION
(Looking South)

BILL OF MATERIAL

Item	Unit	Total
* Precast Prestressed Concrete Deck Beams (27" Depth)	Sq. Ft.	1198

* For 48" Beams.
See sheet #4 for Bill of Material for 36" Brns.

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" P-270 ksi strands as shown on sht. #2.
The 1"ϕ 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.
Parapet reinforcement and Class X Concrete are billed on sheet #8.
For Drain Detail see sheet #3.

DESIGNED	Tasawar Ranawa	EXAMINED	FEB. 24 19 81
CHECKED	M. Ryan	PASSED	
DRAWN	R. Doty	APPROVED	
CHECKED	MR		

PD-6-S 6-15-80

SUPERSTRUCTURE
SPAN 2
F.A. RT. 38 SEC. 102BR-1
LEE COUNTY
STA. 598+65.00

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -
c:\pw_work\pwidot\grantpm\dms41810\D2-sht-typical.dgn		DRAWN -	REVISED -
	PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = Thu Jul 14 10:19:56 2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	*	LEE	216	138
		CONTRACT NO. 64D57		
	ILLINOIS FED. AID PROJECT			

* 102BR-5, 102BR-6, & 102BR-7