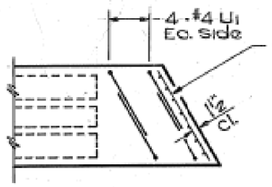
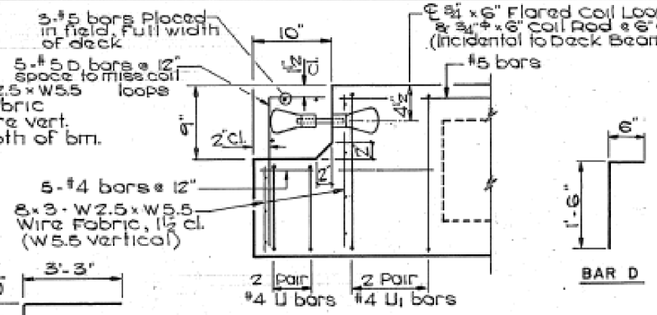
*	BD BR	BUREAU	9	5	

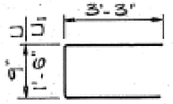
* FAS 2246



REINF. END OF BEAM - FIXED END

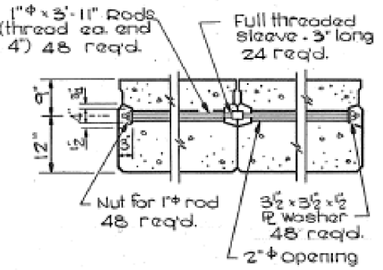


BAR D

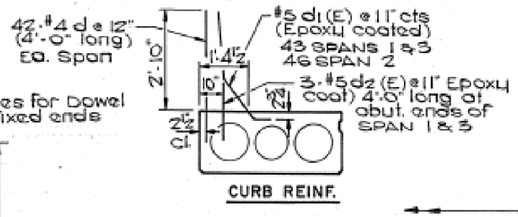


BARS U & U1

REINF. END OF BEAM - EXPAN. END.
(Dimensions are at right angles)



TRANSVERSE TIE ASSEMBLY



CURB REINF.

GENERAL NOTES:

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

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

The 1" dia. rods in the transverse tie assembly shall be tightened to a snug fit and set threads.

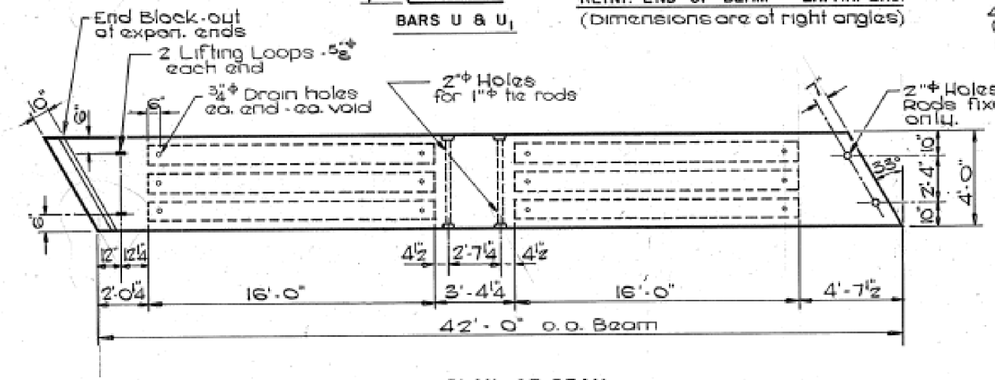
Pockets that receive transverse tie bar on outside beam shall be filled with grout after transverse tie assembly is in place.

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

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.

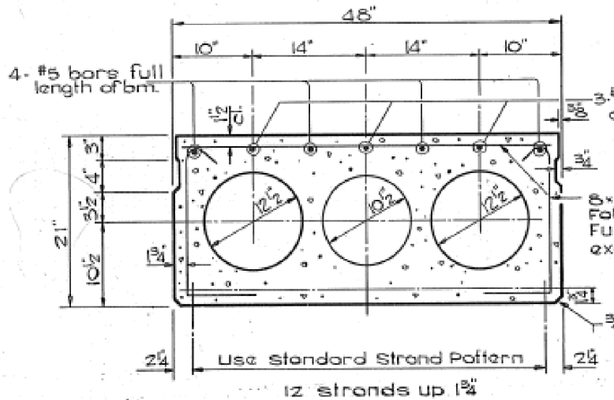
After beams have been erected, holes for the dowel anchors shall be drilled into the substructure and anchor dowels shall be grouted in place.

Reinforcement bars marked (E) shall be furnished with epoxy coating. See special Provisions for Epoxy coated Reinforcement Bars.



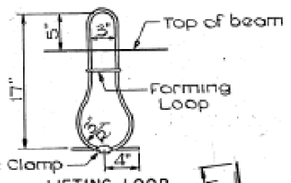
PLAN OF BEAM
27 Required

OMIT SHEAR KEY ON OUTSIDE FACE OF EXTERIOR BEAMS

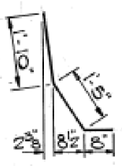


SECTION THRU BEAM

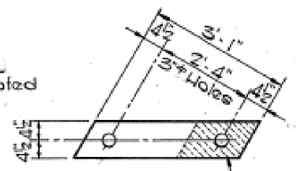
NOTE:
Place strands symmetrically about ℄ beams. 7 wire - ½"Φ strands. Stress to 28,900 lbs. per strand



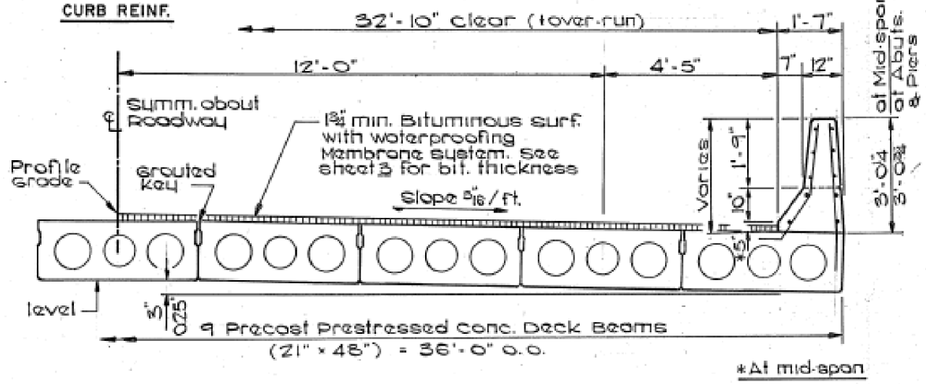
LIFTING LOOP



BAR d1 (E)
Epoxy coated



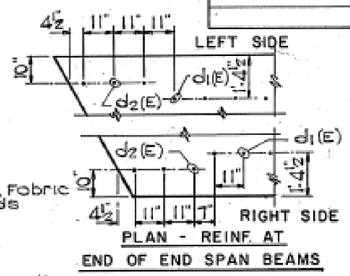
1¼" GRAPHITED ASBESTOS BRG. PAD (36 req'd.)



HALF CROSS SECTION

BILL OF MATERIAL - DECK

ITEM	UNIT	QUANT.
Precast Prestressed Conc. Deck Beams (21")	Sq. Ft.	4536



PLAN - REINF. AT END OF END SPAN BEAMS

DECK DETAILS
SECTION 8D - BR
US RT 6 FAS RT 2246
BUREAU COUNTY

BRIDGE SHEET 2 OF 6

FILE NAME = c:\pw_work\pwidot\carpenterdj\d0183264\D366A17-sht-exbridge.dgn	USER NAME = carpenterdj	DESIGNED - ___	REVISED - ___	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING BRIDGE PLANS FOR INFORMATION ONLY
	PLOT SCALE = 100.0000 ' / in.	DRAWN - ___	REVISED - ___		SCALE: ___ SHEET ___ OF ___ SHEETS STA. ___ TO STA. ___
	PLOT DATE = 8/1/2014	CHECKED - ___	REVISED - ___		
		DATE - ___	REVISED - ___		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
613	(8D BR)BR	BUREAU	63	50
		CONTRACT NO. 66A17		
		ILLINOIS FED. AID PROJECT		