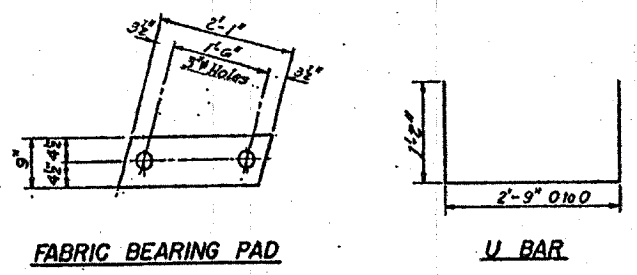
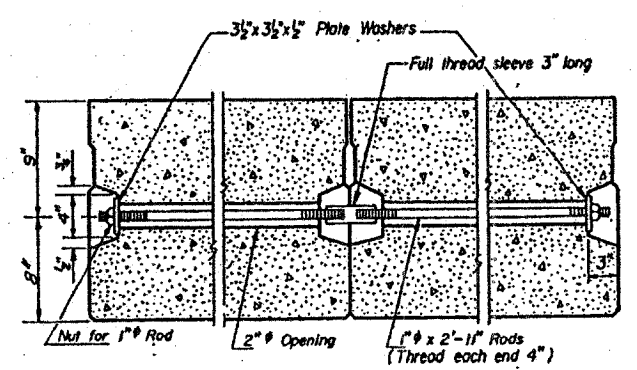


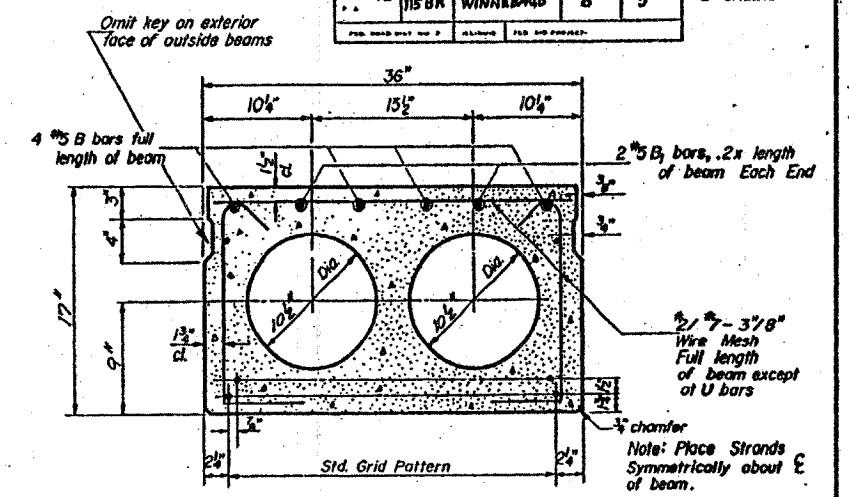
ROUTE NO.	SECTION	PROJECT	SHEET NO.	SHEETS
75	115 BR	WINHEM90	8	5
SHEET NO. 3		6 SHEETS		



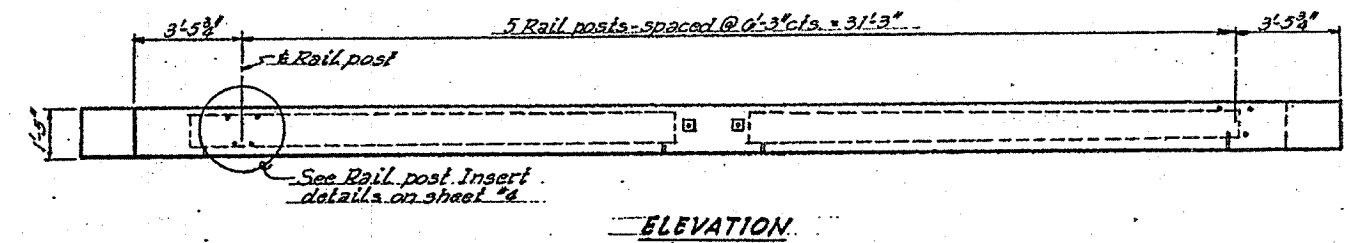
FOR INFORMATION ONLY



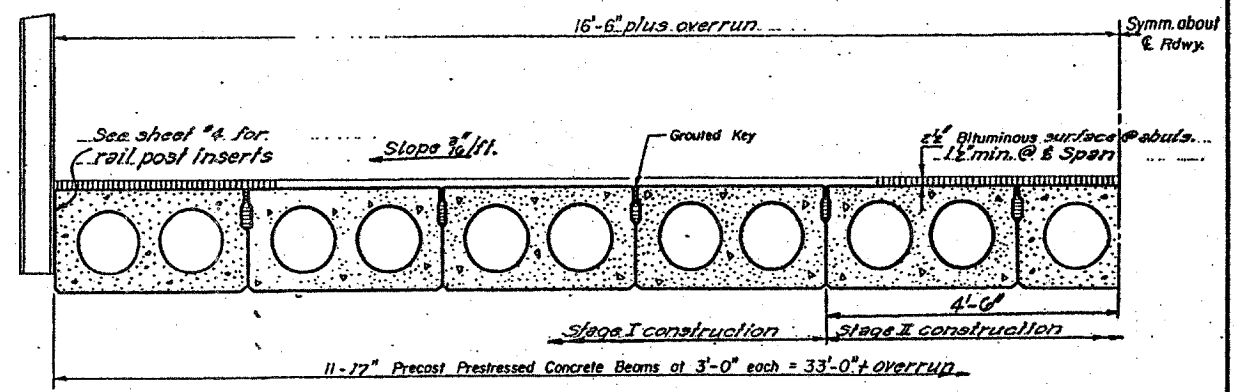
TYPICAL TRANSVERSE TIE ASSEMBLY



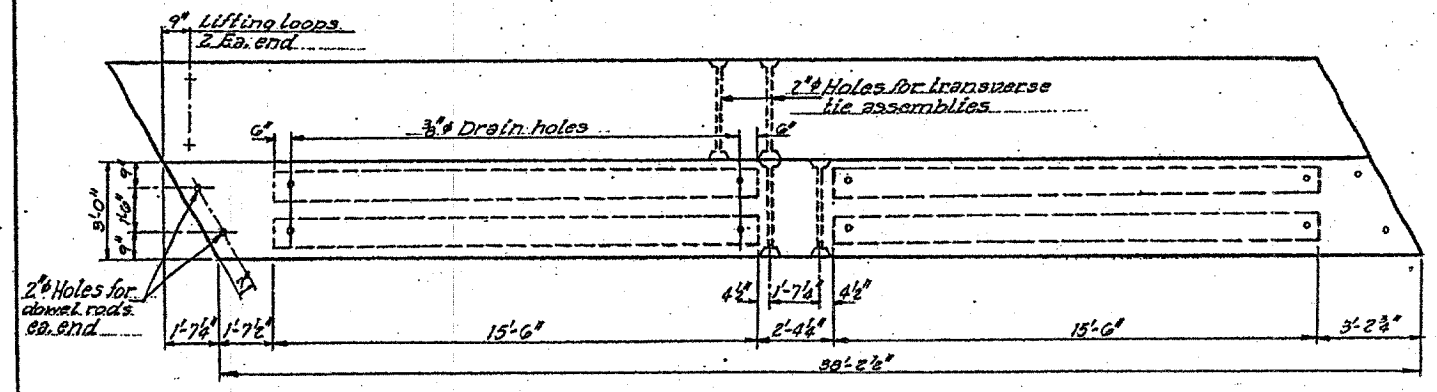
TYPICAL SECTION  
 18 - 7/16" Strands Each Strand Stressed to 18,900 lbs.  
 14 - Strands 1 1/2" up 2 - Strands 3 1/4" up 2 - Strands 12" up



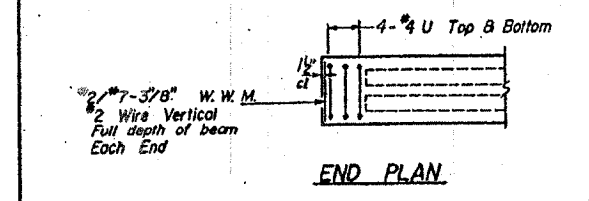
ELEVATION



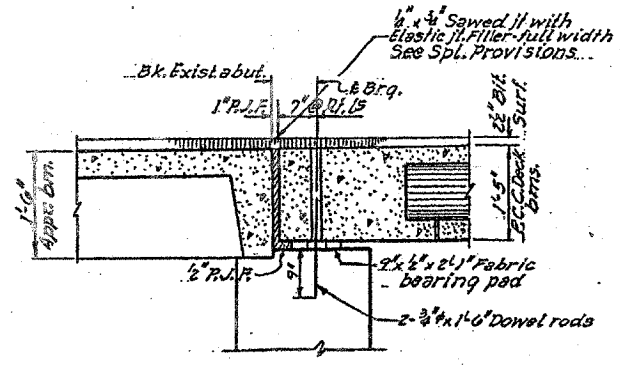
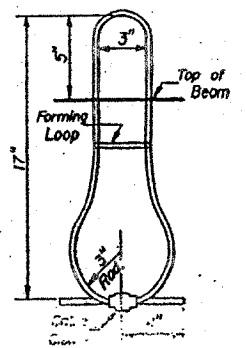
HALF CROSS SECTION  
 (Looking West)



PARTIAL PLAN



END PLAN



**GENERAL NOTES**

1. Prestressing steel shall be non-galvanized high strength, stress-relieved 7-wire strand. The nominal diameter shall be 7/16" and the nominal cross-sectional area shall be 0.109 sq. in. Lifting loops shall be 2" diameter, 6x19 class wire rope with fiber core and shall have a minimum ultimate tensile strength of 18,700 lbs. The 1" 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.

2. After fabrication the transverse tie assemblies (tie rods, nuts, washers and sleeves) shall be hot-dipped galvanized in accordance with A.S.T.M. Designation: A153. 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."

3. After beams have been erected, holes for dowel anchors shall be drilled into the concrete at the anchor dowels provided in place.

**BILL OF MATERIAL**

Item	Unit	Quantity
Precast Prestressed Concrete Deck Beams (17')	Sq. Ft.	1,267
Removal of Existing Superstructure	Each	1

**SUPERSTRUCTURE**

DESIGNED: *Steve McLeod*  
 EXAMINED: *[Signature]*  
 CHECKED: *[Signature]*  
 APRIL 27 1971