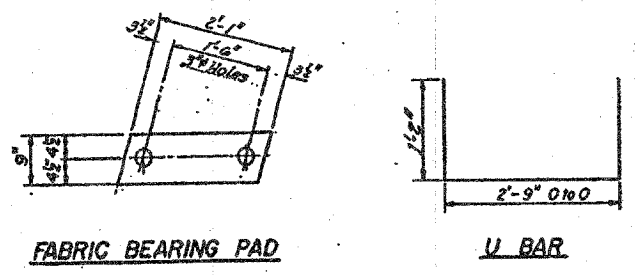
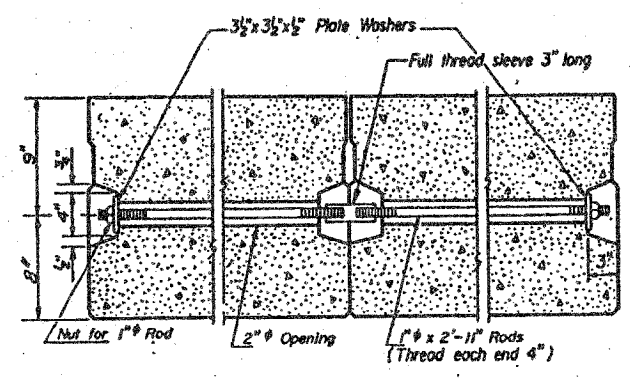


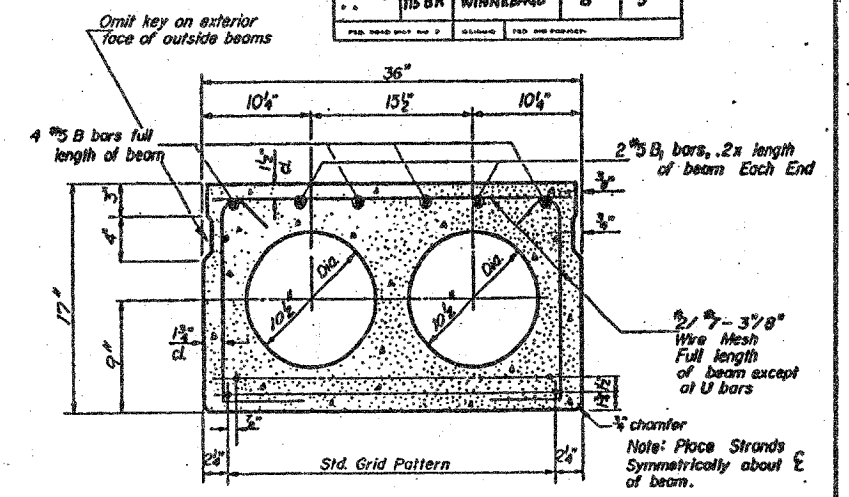
PROJECT NO.	SECTION	COUNTY	TOWN	SHEET NO.	SHEET NO.
75	115 BR	WINNEBAGO	8	5	6 SHEETS



FOR INFORMATION ONLY

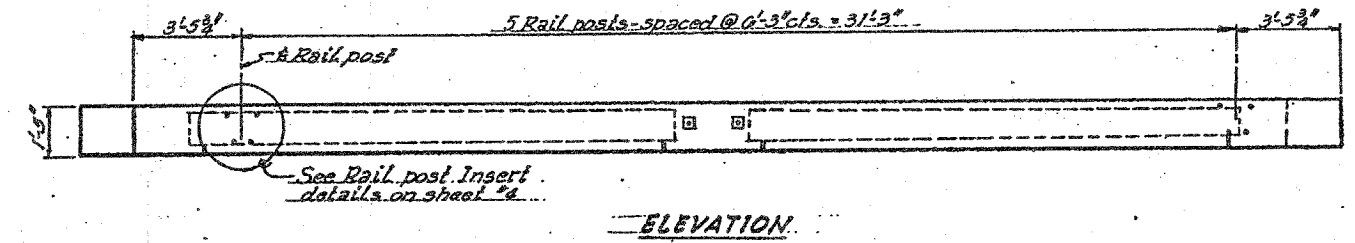


TYPICAL TRANSVERSE TIE ASSEMBLY

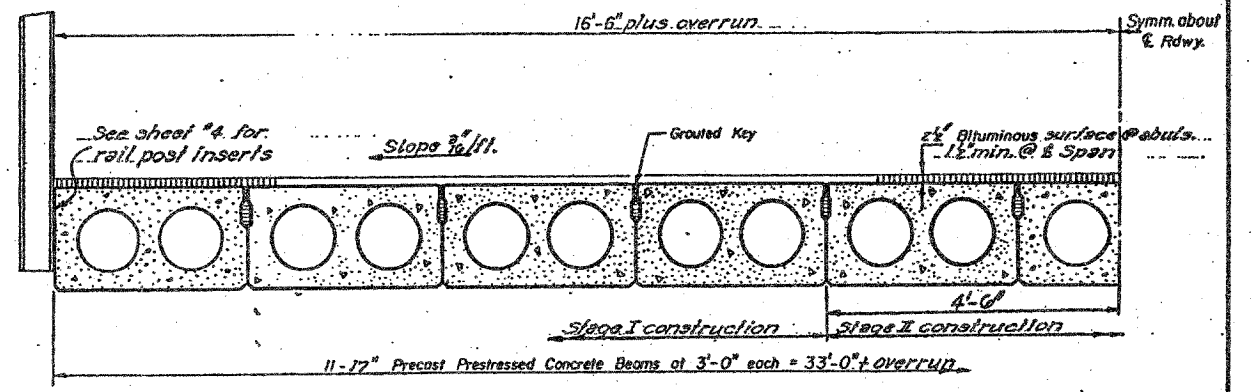


TYPICAL SECTION

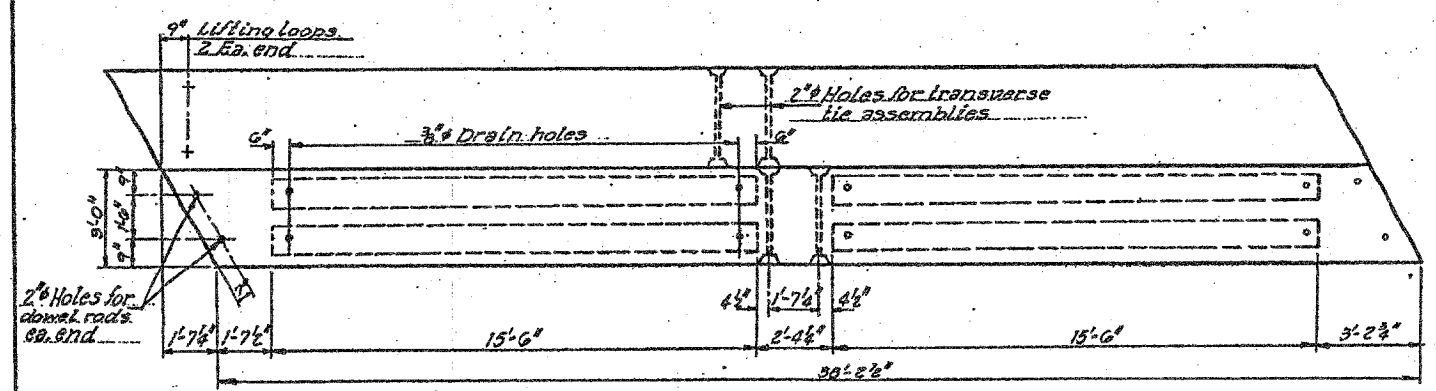
18- 7/16" Strands Each Strand Stressed to 18,900 lbs.
14- Strands 1 1/2" up 2- Strands 3 1/4" up 2- Strands 1 1/2" up



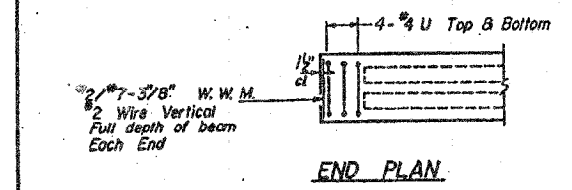
ELEVATION



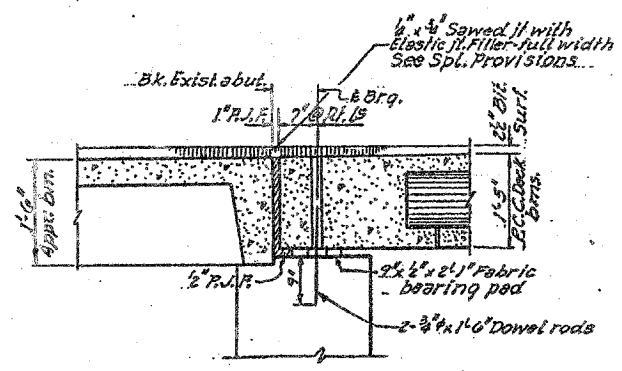
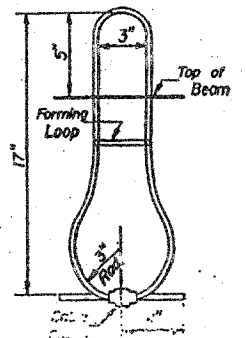
HALF CROSS SECTION (Looking West)



PARTIAL PLAN



END PLAN



GENERAL NOTES

Pressing 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 1/2" 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.

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".

After beams have been erected, holes for dowel anchors shall be drilled into the existing abutment and the anchor dowels grouted 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: *Stan Melnick*
 EXAMINED: *[Signature]* APRIL 27 1971
 CHECKED: *[Signature]*
 PASSED: *[Signature]*