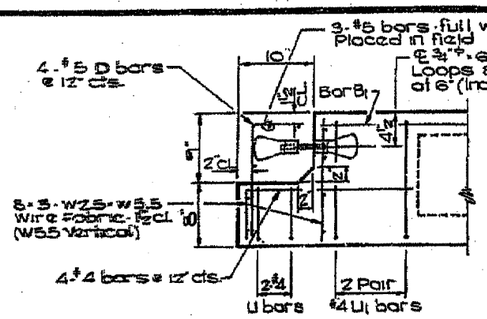
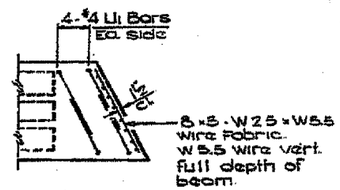
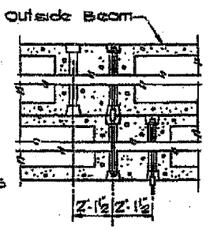
123 BR 1
123 SR-1
820 IROQUOIS 12

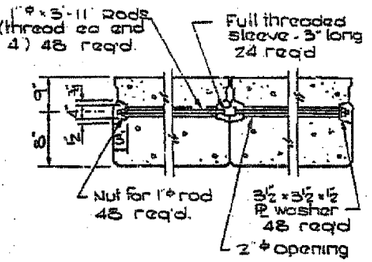



DETAIL EXPAN. END OF BEAMS

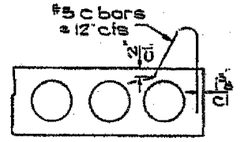



REINFORCEMENT FIXED ENDS




TYPICAL TRANSVERSE TIE ASSEMBLY




CURB REINF.
Typical Each Exterior Beam

**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.

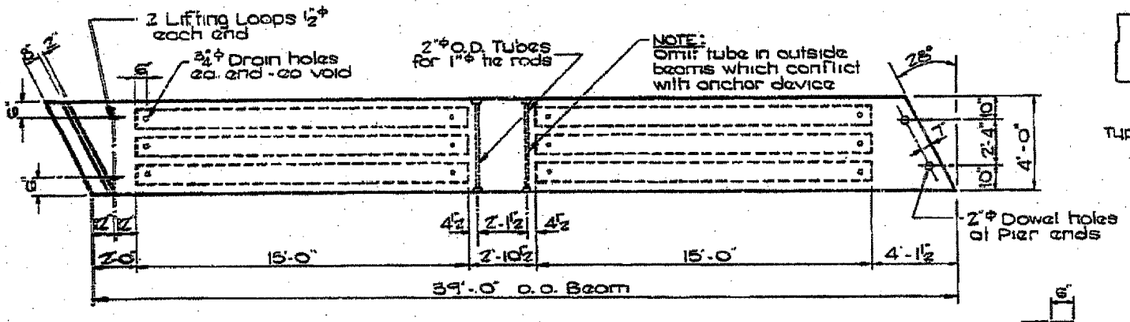
Pockets that receive transverse tie bar on outside beam shall be filled with grout after transverse tie assembly is in place.

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

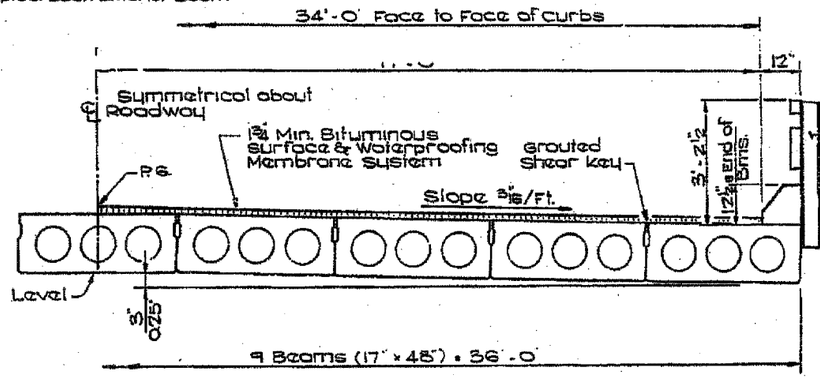
Lifting loops shall be ½" diameter, 6×25 class wire rope with fiber core and shall have a minimum ultimate tensile strength of 21,000 lbs

Longitudinal shear keys shall be packed with a very dry mix of 2:1 sand and P.C. mortar

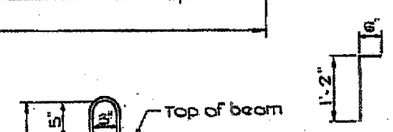
After beams have been erected, holes for the dowel anchors shall be drilled into the substructure and anchor dowels shall be grouted in place.



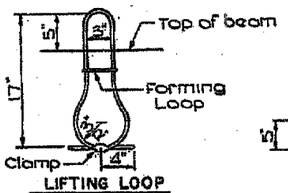

PLAN OF BEAM



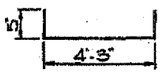

HALF SECTION THRU DECK



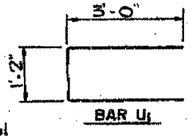

BAR D



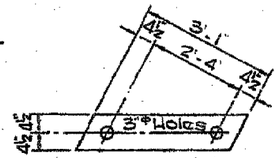

LIFTING LOOP




BAR U

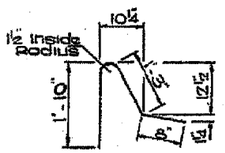



BAR U1

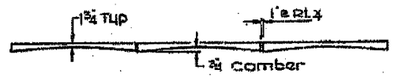



½" FABRIC BEARING PAD

¼" GRAPHITED ASBESTOS BRG. PAD



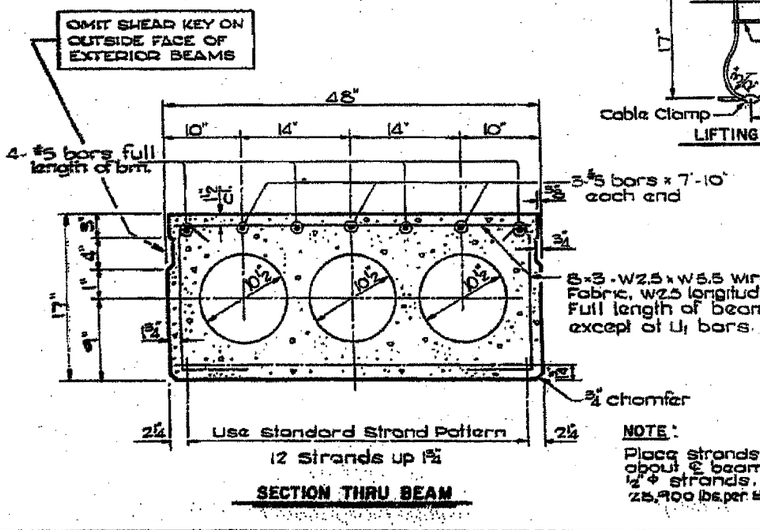

BAR C




BIT. SURFACE PROFILE (BEAM CAMBER)

BILL OF MATERIAL - DECK

| ITEM | UNIT | QUANT. |
|---|---|---|
| Precast Prestressed Conc. Deck Beams(17) | Sq. Ft. | 4212 |
| | | |
| | | |




SECTION THRU BEAM

NOTE:
Place strands symmetrically about ℄ beams. 7 wire - ½"ϕ strands. Stress to 25,900 lbs per strand

**BEAM DETAILS**
**SECTION 123 BR-1**
**F.A. ROUTE 840**
**IROQUOIS COUNTY**