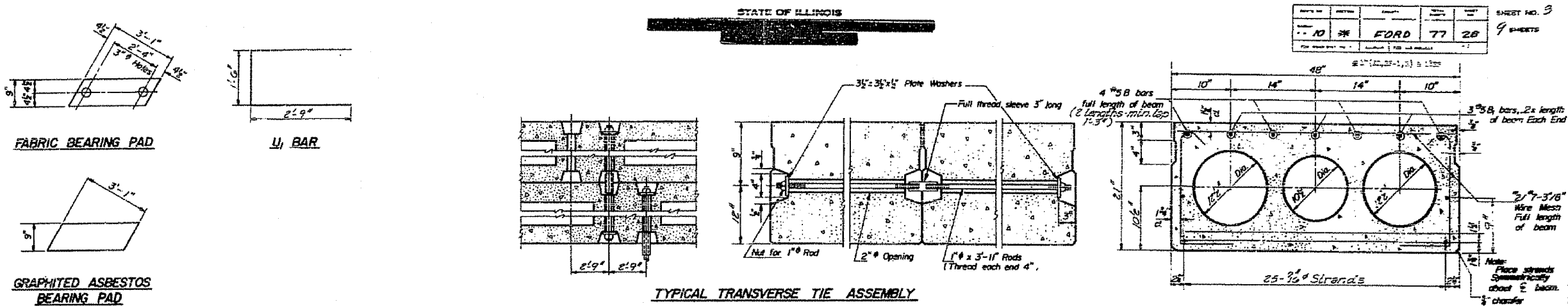
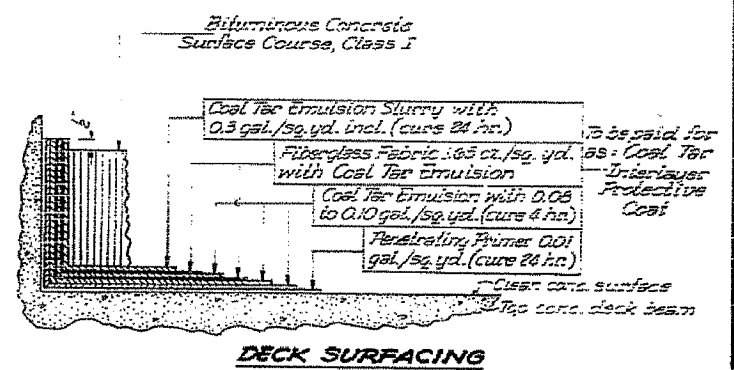
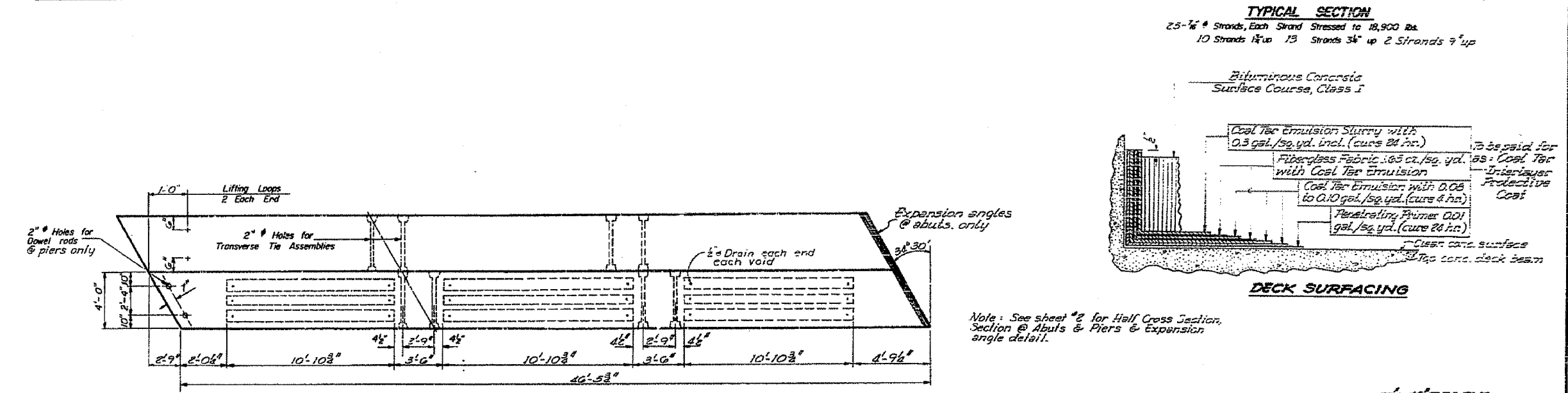


FAB. RITE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
697	17BR	FORD	40	31
STA. TO STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



SHEET NO. 3
9 SHEETS

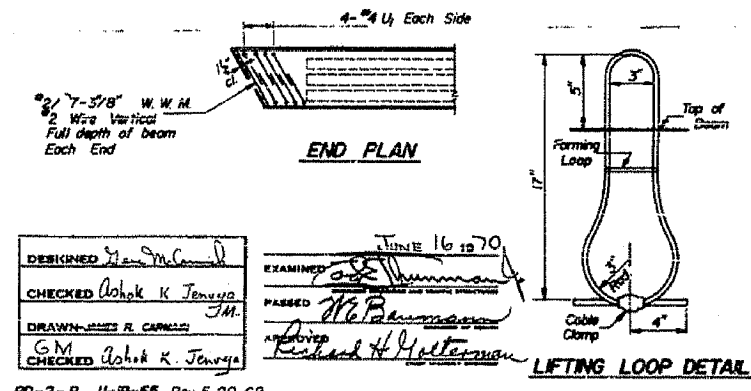
NO.	REV.	DATE	BY	CHKD.
10	*	FORD 77 28		



GENERAL NOTES
Prestressing steel shall be non-galvanized high strength, stress-relieved 7 wire strand.
The nominal diameter shall be 7/8" & the nominal cross-sectional area shall be 0.107 sq. inches.
Lifting loops shall be 3/8" diameter, 6 x 19 class wire rope with fiber core & shall have a minimum ultimate tensile strength of 33,000 lbs.
The 1" rods in the transverse tie assembly shall be tightened to a snug fit & 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 & P.C. mortar.
After beams have been erected, holes for dowel anchors shall be drilled into the sub-structure & the anchor dowels shall be grouted in place.
Steel for armor angles shall be A.S.T.M. A-36.
After fabrication, the transverse tie assemblies (tie rods, nuts, washers & sleeves) shall be hot-dipped galvanized in accordance with A.S.T.M. designation: A-153.
Cost of reinforcement & accessories cast into the beam, bearing pads, armor angles & grouting longitudinal shear keys is included in the Unit Price Bid for "Precast Prestressed Concrete Deck Beams."
Dowel rods shall be A.S.T.M. A-306, or A.S.T.M. A-615.
Transverse tie rods shall be A.S.T.M. A-306, grade 70 or 80.

21' x 48" P.C. BMS. BILL OF MATERIAL

Item	No.	Size	Length	Shape
B	26	45	23'-9"	—
B ₁	18	45	9'-6"	—
U ₁	48	48	7'-0"	U
Precast Prestressed Concrete Deck Beams (21')			St. Fl.	556



DESIGNED: [Signature]
CHECKED: Ashok K. Jenuya
DRAWN: JAMES R. CARROLL
G.M. CHECKED: Ashok K. Jenuya

EXAMINED: [Signature] JUN 16 1970
PASSED: [Signature]
APPROVED: [Signature]

SUPERSTRUCTURE & 21' x 48" P.C. BEAM DETAILS
F.A. 77.10 (S.A.I. 21.9) SEC. 17BR
FORD COUNTY
STATION 923 + 87.00