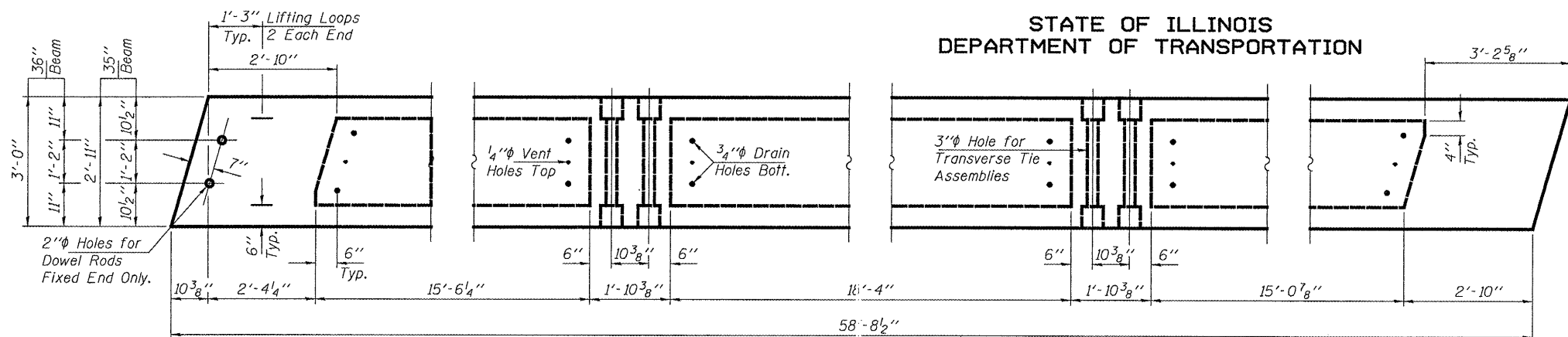


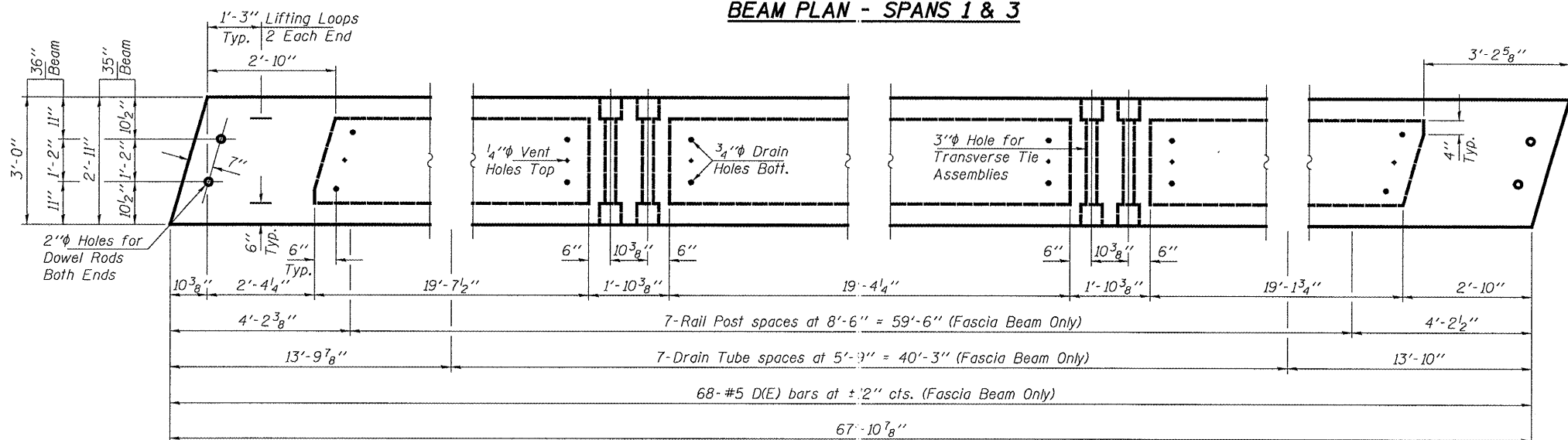
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 3 6 SHEETS
FAP 317	*	LIVINGSTON	16	13	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

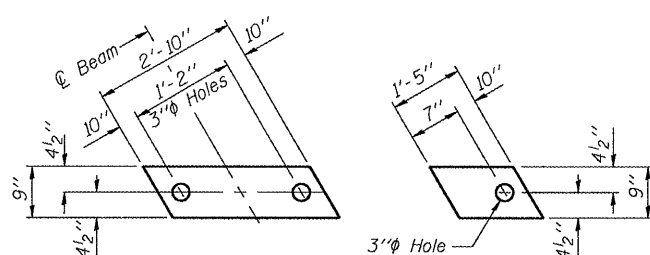
Contract Number: 66809
* (25-B-1)I-1



BEAM PLAN - SPANS 1 & 3



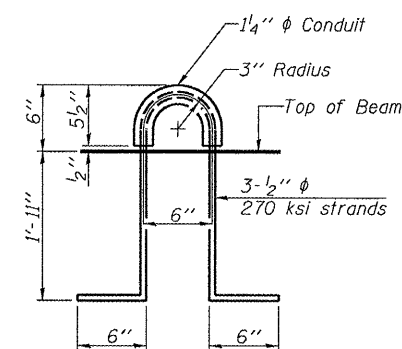
BEAM PLAN - SPAN 2



FIXED FABRIC
BEARING PAD

FIXED FABRIC
ADJUSTING SHIM

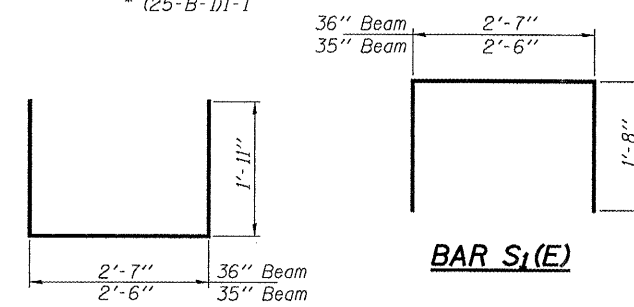
(Omit holes for Expansion Bearings)



LIFTING LOOP DETAIL

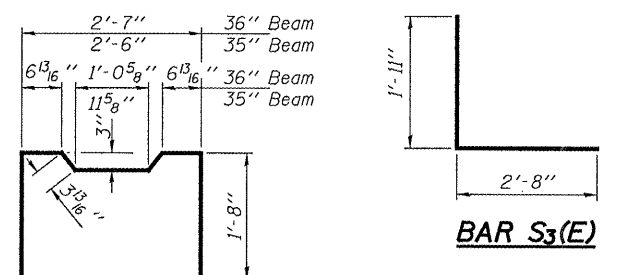
NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. The 1" rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Fockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place.
Reinforcement bars shall conform to ASTM A 706 (IL MOD), Grade 60. (See Special Provisions)
Two 5/8" fabric adjusting shims of the dimensions shown shall be provided for each bearing pad location.
A minimum 2 1/2" lifting pin shall be used to engage the lifting loops during handling.
Corrosion Inhibitor, per Article 1020.05(b)(12) and 1021.06 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.
Compressive strength of prestressed concrete, f'c, shall be 6000 psi.
Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.



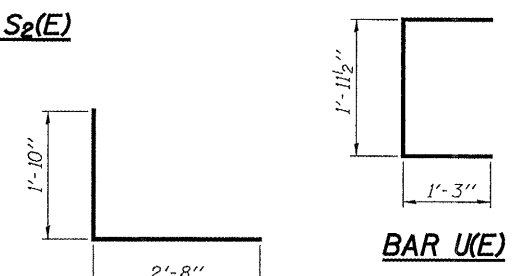
BAR S1(E)

BAR S(E)



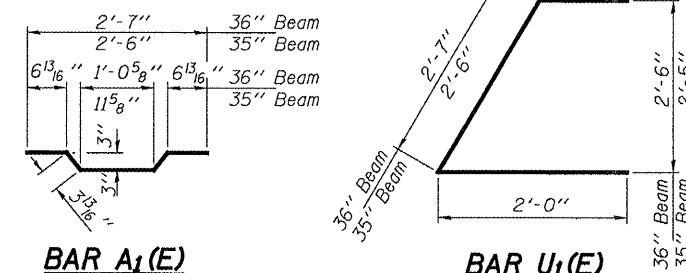
BAR S2(E)

BAR S3(E)



BAR S4(E)

BAR U(E)

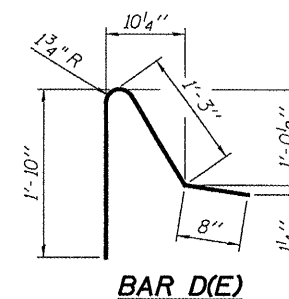


BAR A1(E)

BAR U1(E)

BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (27" depth)	Sq. Ft.	2458
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BAR D(E)

BEAM DETAILS
FAP 317 OVER SOUTH FORK
VERMILION RIVER
LIVINGSTON COUNTY
SN 053-0152

DESIGNED	ATH
CHECKED	AJB
DRAWN	Steffen
CHECKED	ATH AJB

MAY 12, 2008
EXAMINED *Carl Hovoy*
ENGINEER OF STRUCTURAL SERVICES
PASSED *Ralph E. Anderson*
ENGINEER OF BRIDGES AND STRUCTURES