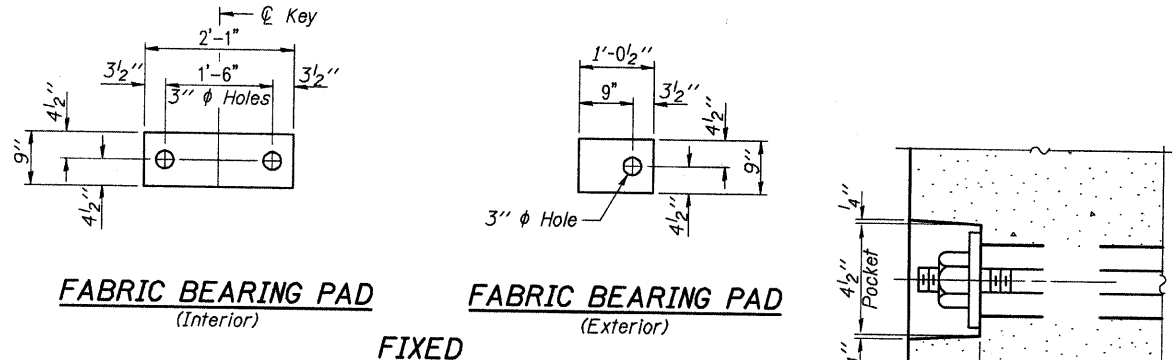
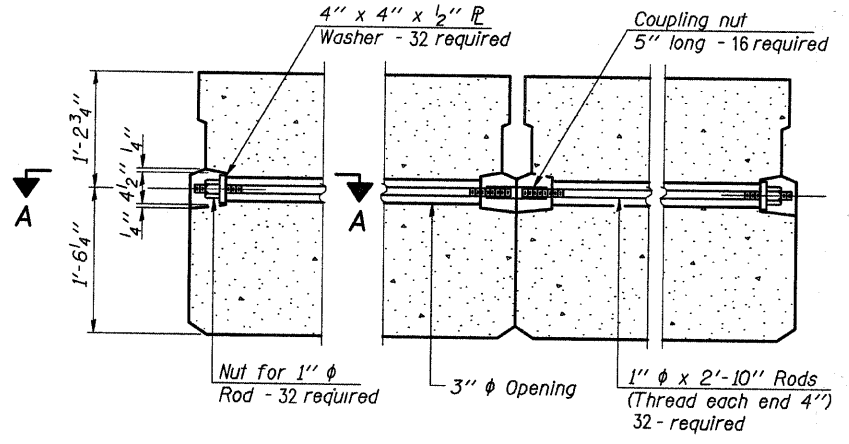


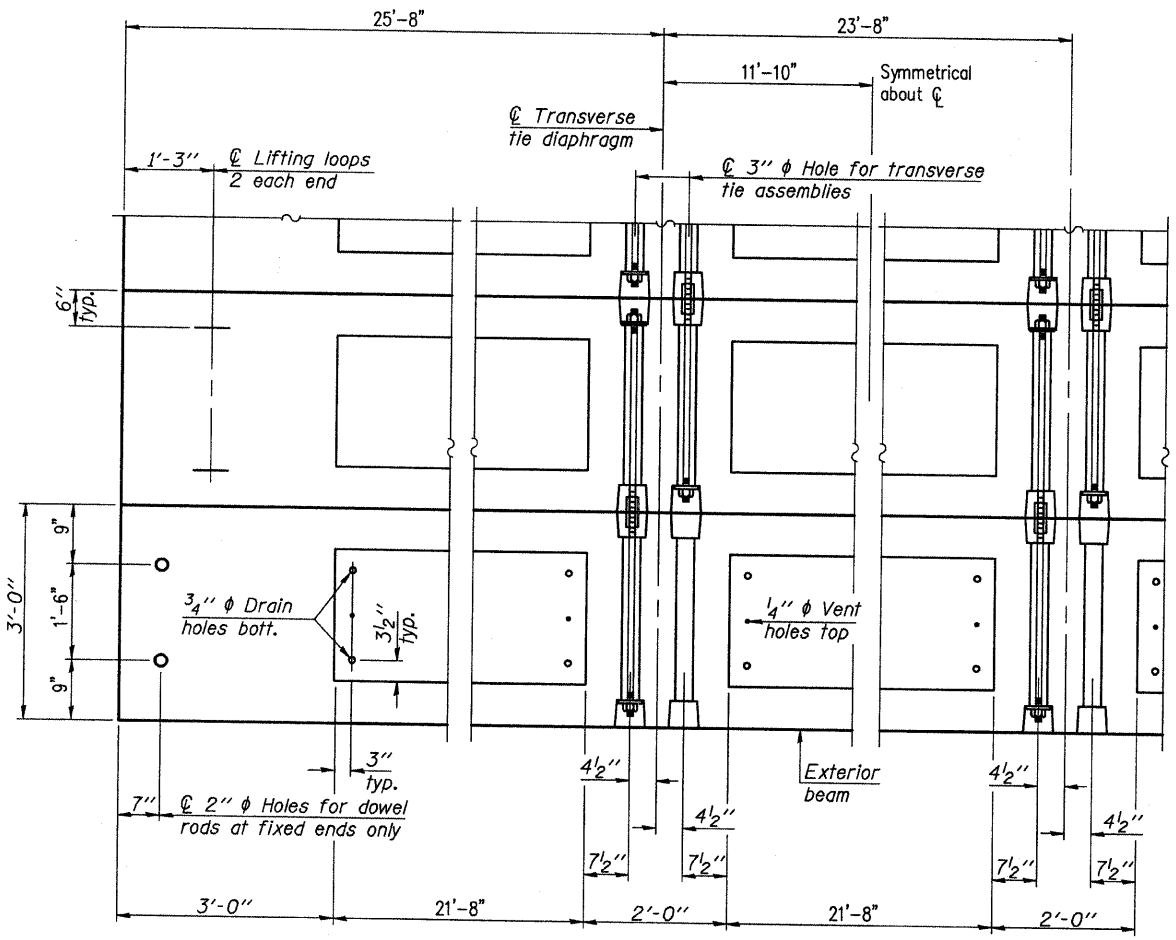
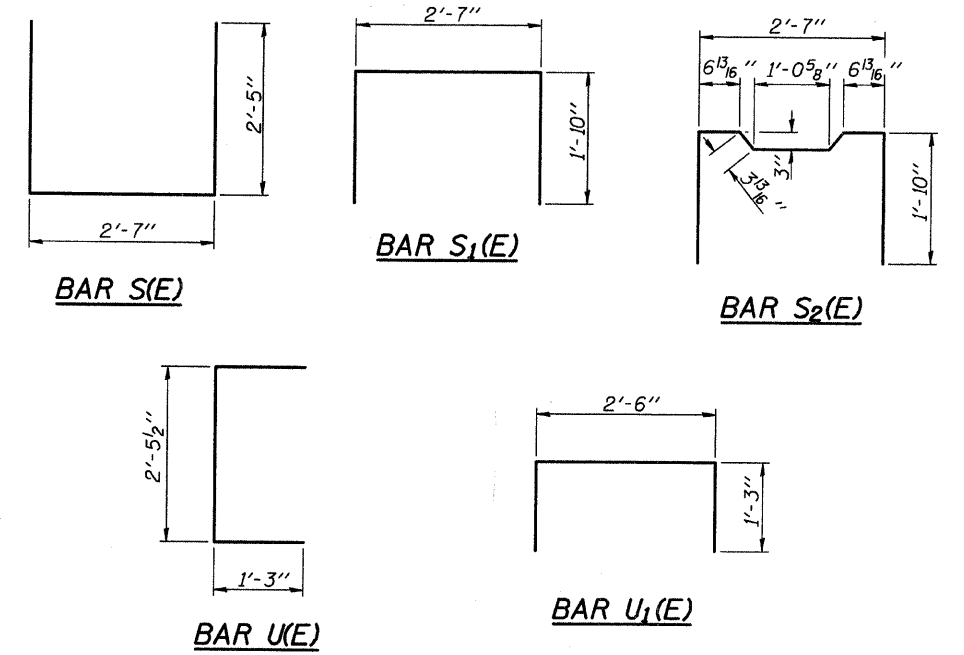
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 186A	05-10127-00-BR	JASPER	15	7
CONTRACT NO. 95620		ILLINOIS	PROJECT BROS-079(140)	



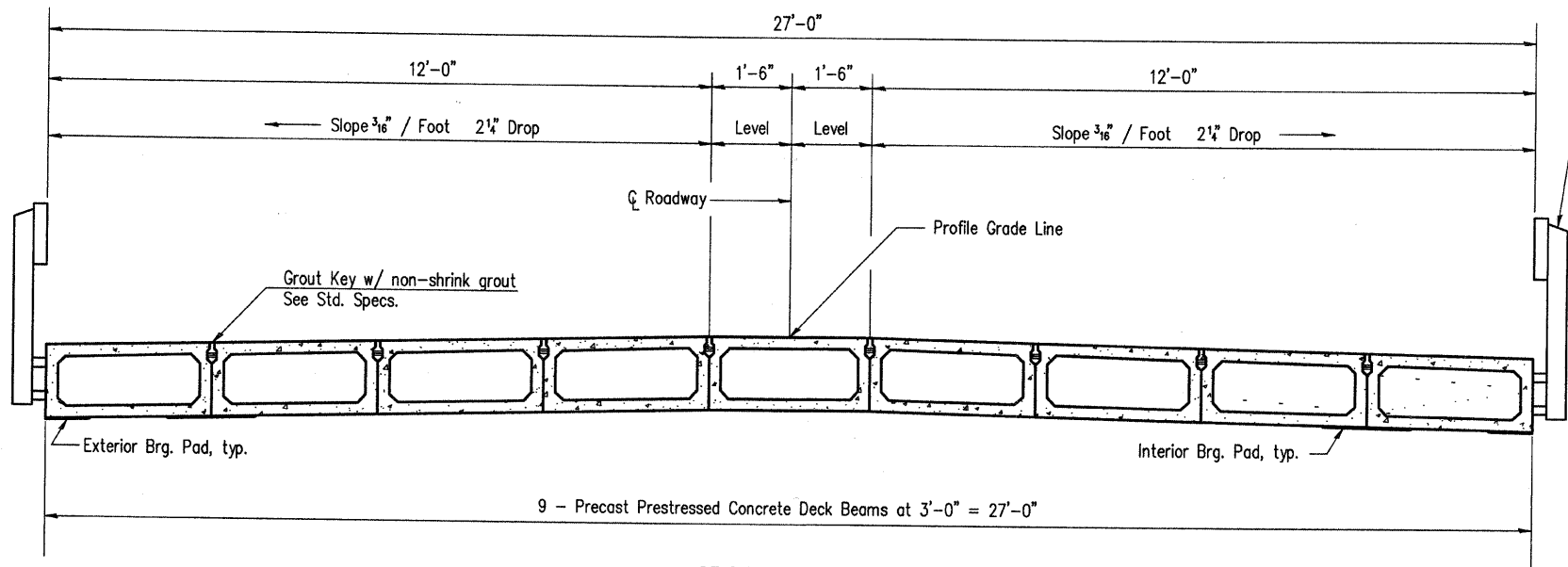
SECTION A-A



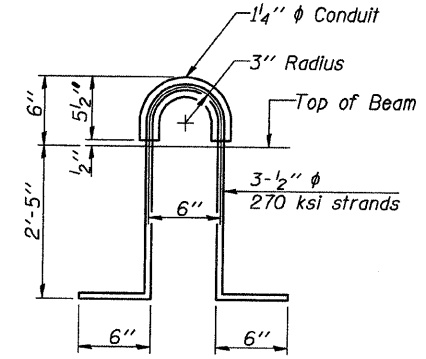
TYPICAL TRANSVERSE TIE ASSEMBLY



PLAN VIEW



CROSS SECTION



LIFTING LOOP DETAIL

BILL OF MATERIAL

Material	Sq. Ft.	Notes
Precast Prestressed Conc. Deck Bms. (33" depth)	2025	

33" X 36" PPC DECK BEAM DETAILS

NOTES

Note: Connect beams in pairs with the transverse tie configuration shown.

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. Pockets 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, Grade 60. (See Special Provisions).

Two 3/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.

A minimum 2 1/2" diameter 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.

CHARLESTON ENGINEERING, INC.
 CONSULTING ENGINEERS
 105 NORTH KITCHELL
 P.O. BOX 307
 OLNEY, ILLINOIS 62450
 (618) 392-0739
 ILLINOIS DEPARTMENT OF PROFESSIONAL REGULATION REGISTRATION #184.002513

SUPERSTRUCTURE DETAILS
 STRUCTURE NO. 040-3260
 T.R. 186A
 OVER BRUSH CREEK
 SECTION 05-10127-00-BR
 JASPER COUNTY
 STATION 5+14.25