

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

* Contractor is to verify beam length prior to ordering material. Other sections meeting the section modulus requirements shown may be allowed subject to approval by the Bureau of Bridges and Structures. Maximum Girder depth = 27" for Spans 1 & 2 and 27" for Span 3. No additional payment will be allowed if the contractor chooses a heavier steel section than the one specified in the plans. (Min Sx = 214 in³ for Spans 1 & 2 and 111 in³ for Span 3)

GENERAL NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

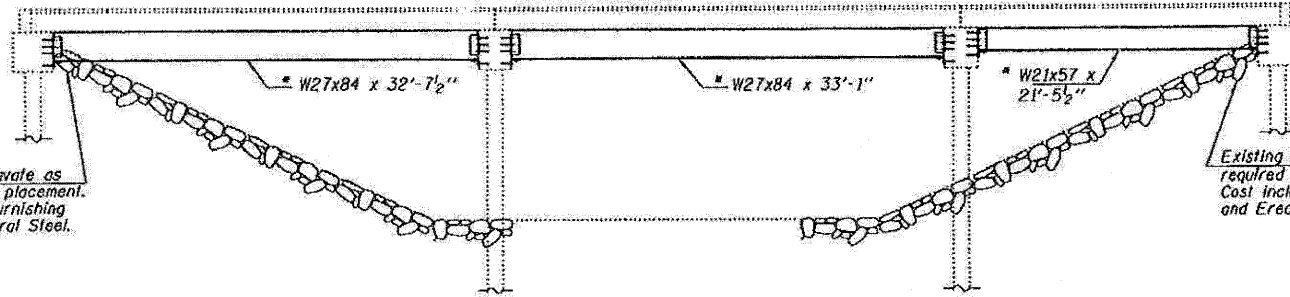
The Contractor is advised that the existing PPC Deck Beams are in a deteriorated condition with reduced load carrying capacity. It is the contractor's responsibility to account for the condition of the beams when developing construction procedures.

See Section 584 of the Standard Specifications for Epoxy Grouting of Threaded Rods; Minimum embedment 9".

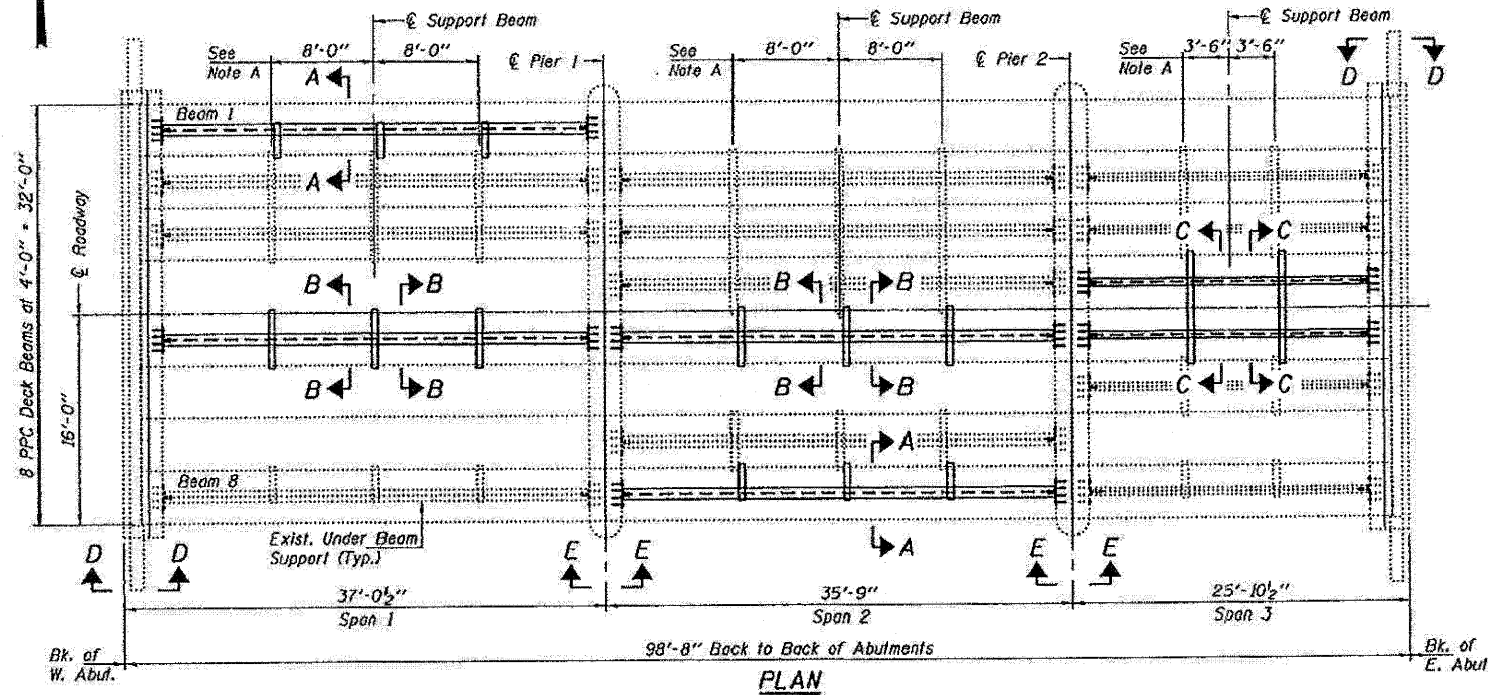
If the contractor's procedure for placement of beams involves placement of cranes or other heavy equipment on the bridge, a detailed procedure shall be submitted to the Engineer for approval. The procedure shall include calculations, prepared and sealed by an Illinois Licensed Structural Engineer, verifying that the equipment and procedure used will not overstress the existing beams. To distribute load to multiple beams and protect the existing surface, in all cases a double layer mat of heavy timbers shall be used at all times under crane tracks or wheels and any outriggers in the down position. If necessary, shims shall be used under the crane mat to ensure uniform contact with the underlying beams.

The cost of epoxy grouting threaded rods on the pier cap, abutments and beams shall be included with Furnishing and Erecting Structural Steel.

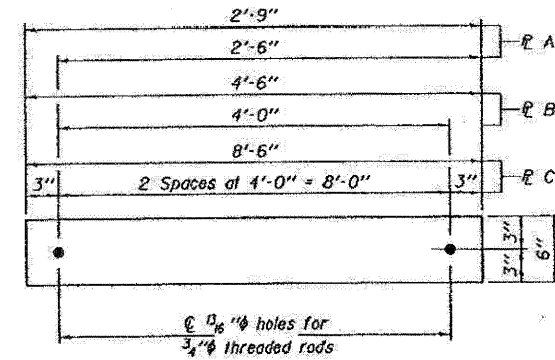
The Contractor has the option of using used steel. See Special Provisions.



ELEVATION



PLAN



TRANSVERSE TIE R'S

- R A 1/2" x 2'-9" x 6" (6 Req'd)
- R B 1/2" x 4'-6" x 6" (6 Req'd)
- R C 1/2" x 8'-6" x 6" (2 Req'd)

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Furnishing and Erecting Structural Steel	Pound	16,750

PLAN & ELEVATION
F.A. RTE. 587 OVER PIKE CREEK
SN 006-0147

NOTE A:
R Transverse tie R's (3 per spans 1 & 2, and 2 per span 3). Place additional shims at midpoints between tie R's. Securely weld shims to top flange of support beam. Minimum shim size is 6" x flange width. Adjust spacing of new Transverse Tie R's to miss existing Transverse Tie R's.

DESIGNED: *Vicki H. Velis*
CHECKED: *[Signature]*
DRAWN: *Kyle M. Steffen*
CHECKED: *[Signature]*

APRIL 19, 2010
EXAMINED: *[Signature]*
PASSED: *[Signature]*



Expires: November 30, 2010

EXISTING PLANS
FOR INFORMATION ONLY
S.N. 006-0147

SHEET NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2 SHEETS	587	(22-BR)1-1	BUREAU	6	5
			CONTRACT NO. 66A46		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

PLAN	DATE
SUBMITTED	
PLOTTED	
ALIGNMENT CHECKED	
FILE NAME	
FILE NO.	

PROFILE	DATE
SUBMITTED	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
FILE NAME	
FILE NO.	

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USER NAME = kkhon
PLOT SCALE = #SCALE#
PLOT DATE = 10/11/2011

DESIGNED DB
DRAWN DB
CHECKED AS
DATE OCTOBER 14, 2011

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLAN - STRUCTURE

SCALE: NTS SHEET NO. 52 OF 61 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(22 BR)BR	BUREAU	61	52
FED. ROAD DIST. NO. (ILLINOIS) FED. AID PROJECT			CONTRACT NO. 66995	