## DEPARTMENT OF TRANSPORTATION € Brg. W. Abut. Pier 1 Pier 2 ELEVATION 48'-15" 32'-84" 32'-84" € Brg. W. Abut. W. Abut. E. Abut. E. Abut. Beam 3 Beam 4 Ream 5 Beam 6 Beam B Beam 9 Beam 10 Beam 11 $A \blacktriangleleft I$ PLAN 17'-3" Stage II Construction 19'-3" Stage I Construction 4 Spaces at 3'-0" = 12'-0" 5 Spaces at 3'-0" = 15'-0" 2'-3", € 1"\$ Threaded 1'-0" · C Roadway r▶B 6'-0" 6'-0" 6'-0" 6'-0" © 3″¢ Core drilled holes in beam keyways. <u>6"</u> Тур. Cost included with Concrete Structures -3-#4 $p_1(E)$ bars each pier C7x14.75 --3-#4 p(E) bars each pier Location and size of spalled concrete $\vdash B$ on pier cap to be determined by the Engineer in the field. \* 37-#4 s(E) bars at 12" top & bottom of piers 36'-6" SECTION A-A (Pier 2 shown, Pier 1 similar by rotation) Stage I traffic control shall remain in place until Stage I concrete has cured. Stage II traffic control shall remain in place until Stage II concrete has cured.

GENERAL NOTES

The Contractor shall use extreme care during concrete removal so as not to damage the PPC Deck beams.

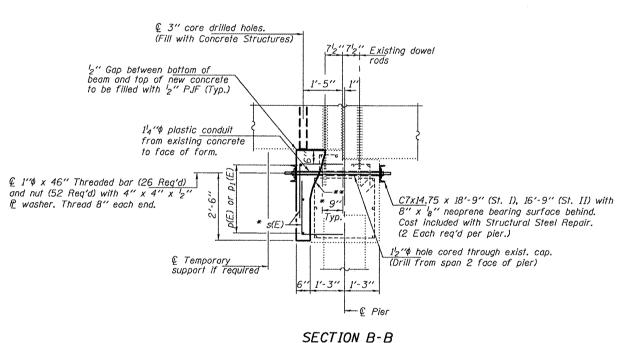
Existing exposed reinforcement shall be cleaned, straightened and incorporated into the new construction.

Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost shall be included with Concrete Structures.

Plan dimensions and details relative to existing plans are subject to routine 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 based upon the unit price bid for the work.

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.

Reinforcement bars designated (E) shall be epoxy coated. Self consolidating concrete shall be used throughout. See Special Provisions.



Liberally grease and wrap

threaded bar in waxed

paper prior to insertion.

\*\* To ensure stability of the existing beams, the removal shall not go deeper than the existing TOTAL BILL OF MATERIAL

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Bar	No.	Size	Length	Shape
p(E)	6	#4	21'-1"	
p1(E)	6	#4	17'-1''	***************************************
s(E)	148	#4	3'-7"	L_
Structural Steel Repair			Pound	2400
Concrete Structures			Cu. Yd.	7.1
Reinforcement Bars, Epoxy Coated			Pound	510

PIER CAP REPAIR DETAILS FAP 681 OVER FELKY SLOUGH SN 053-0075

TOTAL SHEET SHEETS NO.

7

SECTION COUNTY SHEET NO. 1 681 LIVINGSTON (113B-1)I 1 SHEETS CONTRACT NO. 66990 FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT

\* Drill and epoxy grout 9" min. into existing cap according to Article 584 of the Standard Specifications. Trim leg to maintain minimum clearance. Cost included with Reinforcement Bars, Epoxy Coated.

dowel rods. Cost included with Concrete Structures.

1'-7" BAR s(E)

Expires: November 30, 2010

STATE OF ILLINOIS

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