NOTES

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars. Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length. All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars. Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. Other systems of similar design may be submitted to the Engineer for approval. Approval

shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

2 Where fy = Yield strength of lapped reinforcement bars in ks

	BAR SPLIC	CER ASSEMBLI	ES	
Day Cine 4.	Calling Dad	Strength Requirements		
	Splicer Rod or Dowel Bar Length		Min. Pull-Out Strength kips - tension	
#4	1'-8''	14.7	7.9	
#5	2'-0''	23.0	12.3	
#6	2'-7''	33.1	17.4	
#7	3'-5''	45.1	23.8	
#8	4'-6''	58.9	31.3	
#9	5'-9''	75.0	39,6	
#10	7'-3''	95.0	50.3	
#11	9'-0''	117.4	61.8	





FOR STUB ABUTMENTS

1	
	Bar Size
	#5
	#7
	#7
	#5
	#7
	#5
	#7

Min.	Capacily = 23.0 kips - tension
Min.	Pull-out Strength = 12.3 kips - tension



	Bar Splie	cer for	#5 bar	
Min.	Capacity = 23	3.0 kips	- tensior)
Min.	Pull-out Strer	igth = 12	2.3 kips	- tension
	Required = 0	-		

5-16-08

OUTE NO. TOTAL SHEET NO. FAS 338 34BR IROQUOIS 49 35 TO STA FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT DWG. NO. 12 OF 13

CONTRACT NO. 66610

STRUCTURE INDEX OF SHEETS

General Plan General Data Stage Construction Details Temporary Concrete Barrier Top of Slab Elevations Superstructure Superstructure Details Abutments Piers Metal Shell Pile Details Bar Splicer Assembly Details Soil Borings	Dwg. No. 2 of 13 Dwg. No. 3 of 13 Dwg. No. 4 of 13 Dwg. No. 5 of 13 Dwg. No. 6 of 13 Dwg. No. 6 of 13 Dwg. No. 7-8 of 13 Dwg. No. 9 of 13 Dwg. No. 10 of 13 Dwg. No. 12 of 13 Dwg. No. 12 of 13
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Required	Location
186	Superstructure
10	N. Abutment
10	S. Abutment
24	Pier 1
10	Pier 1
24	Pier 2
10	Pier 2

BAR SPLICER ASSEMBLY DETAILS US ROUTE 45 OVER SPRING CREEK FAS ROUTE 338 - SECTION 34BR IROQUOIS COUNTY STATION 2146+00 STRUCTURE NO. 038-0214