

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. 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:

Minimum Capacity (Tension in kips) = 1.25 x fy x A_t

Minimum *Pull-out Strength = 0.66 x fy x A_t

Where fy = Yield strength of lapped reinforcement bars in ksi. A_t = Tensile stress area of lapped reinforcement bars. * = 28 day concrete

	Bar	Splicer	for	#5	bar		
Min.	Capacity	= 23.0	kips	- 1	ensio	n	
Min.	Pull-out	Strength	= 1	2.3	kips	-	tension
No.	Required	= 24					

BAR SPLICER ASSEMBLY DETAILS IL. RTE. 84 OVER UNNAMED CREEK F.A.S. RTE. 5857 - SEC. 1R-T ROCK ISLAND COUNTY STATION 68+99.62

ND SECTION &	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
ALL DETAILS	5857	1R-T	ROCK ISLAND		_16_		
			CONTRACT NO. 64E31				
OF 5 SHEETS	ILLINOIS FED. AID PROJECT						