NOTES



Bar splicer assemblies shall be of an approved type and shall develop in tension at lea 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: $\begin{array}{c} \hline \hline \\ cer assembly surfaces to reacting for the reacting of the form of the reacting of the form of the reacting of th$

 Minimum *Pull-out Strength = L25 x fs_{allow} x A_t (Tension in kips)
Where fy = Yield strength of lapped reinforcement bars in ksi. fs_{sallow} = Allowable tensile stress in lapped reinforcement bars in ksi (Service Load) $A_{I} = Tensile$ stress area of lapped reinforcement bars. * = 28 day concrete

	BAR SPLIC	ER ASSEMBLI	ËS		
		Strength Requirements			
	Splicer Rod or Dowel Bar Length		Min. Pull-Out Strength kips - tension		
#4	1'-8''	14.7	5,9		
#5	2'-0''	23.0	9.2		
#6	2'-7''	33.1	13.3		
#7	3'-5''	45.1	18.0		
#8	4'-6''	58.9	23.6		
#9	5'-9''	75.0	30.0		
#10	7'- 3''	95.0	38.0		
#11	9'-0''	117.4	46.8		

Bar spilcer assemblies shall be according to Section 508 of the Standard Specifications, except as noted. The furnishing and installation of bar spilcer assemblies will be measured and paid for at the contract unit price each for "BAR SPLICERS."



STANDARD

Bar Size	No. Assemblies Required

SHEET	TOTAL	COUNTY		CTIO	SE	U E
53	59	ERMILION	D-BR VI	12-0	2-002	20 00
0	03+10.10	TO STA.	0.00	96+0	STA.	0M
T	PROJECT	FED. AID	ILLINOIS	NO.) DIST.	ROA
-		CONTR	ILLINOIS	1404		RUA

Stage II Construction

Threaded or Coll	Reinforcement
Splicer Rods (E)	Bars

5	Location

REVISIONS		CITY OF DANVILLE, ILLINOIS				
NAME DATE			GRY HOLLOW F			
		BAR	SPLICER	DETAILS		
		SCALE:		DRAWN BY	LAR	
		DATE 12/06/05		CHECKED BY	JRH	
		TEN	TENC & AS BNGINE RES 205 N. MICH TELEPHONE	ISOCIATES, INC. ARCHITECTSFLANNERS IGAN AVE. CHICAGO, IL 60601		