

SHEET NO. 9 9 SHEETS

ROUTE NO.	SECTION	COUNTY		TOTAL SHEETS	SHEET NO.	
FAI 90/94			СООК		344 252	
FED. ROAD DIST. NO.		ILLINDIS	FED. AID PROJECT-			
* 2003-029 Contract #6			1			

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 ksl 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

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:

fs_{allow} = Allowable tensile stress in lapped reinforcement bars in ksi (Service Load) $A_t = Tensile stress area of lapped reinforcement bars. * = 28 day concrete$

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BAR SPLICER ASSEMBLIES								
)	Splicer Rod or Dowel Bar Length	Strength Requirements						
		Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension					
	1'-8''	14.7	5.9					
	2'-0''	23.0	9.2					
	2'-7''	33.1	13.3					
÷	3′-5″	45.1	18.0					
	4'-6''	58.9	23.6					
	5'-9''	75.0	30.0					
	7'- 3''	95.0	38.0					
	9'-0''	117.4	46.8					

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

ae IC Constru			uction Line Construction		
eaded or Coil		d or Coil Rods (E)	Reinforcement Bars		
	$\frac{1^{l_2^{\prime\prime\prime}}}{C^{l_2}}$	_			
	<u>STANDA</u>	<u>RD</u>			
Assemblies Required	Location				
48	Deck	-			
				DEPARTMENT OF TI LICER ASSEME	
REVISIONS				00/94 SOUTHBOUND (DA SOUTH BRANCH - CHI COOK COUNTY S.N. 016-1113 - PIE	CAGO RIVER
	NAME	DATE	GØ	ENE & BRADPORD, INC. of symphotop account of the controls account of the symphotop resource inter the symphotop resource	DRAWN BY: LANDREY DESIGNED BY: SANFORD CHECKED BY: MATHUR COMPUTER FILE NO. 04286-W01-SB-BSD PROJECT 04286-W01 5/11/06-MML