

CONTRACT NO. 62037

ROUTE NO.	SECTION	COUNTY		TOTAL. SHEETS	SHERT NO.	SHL	EET NO. 16
FAP 383 IL 173	134(888-2)R-1	LAKE		137	79	17	SHEETS
FED. ROAD DIST. NO. 7		ILLINDI8	FED. ALD PROJECT-				

<u>NOTES</u>

- 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.
- 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

Where fy = Yield strength of lapped reinforcement bars in MPa. fs<sub>allow</sub>= Allowable tensile stress in lapped reinforcement bars in MPa (Service Load)  $A_{\rm f}$  = Tensile stress area of lapped reinforcement bars. \* = 28 day concrete

BAR SPLIC	ER ASSEMBLI	ËS				
	Strength Requirements					
olicer Rod or vel Bar Length	Min. Capacity KN - tension	Min. Pull-Out Strength KN - tension				
610	100	40				
790	150	60				
1.04m	250	100				
1.37m	350	140				

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."

truction	Stage II Construction	
or Coll plers (E)	Threaded or Coil Splicer Rods (E)	Reinforcement Bars
<u>40</u>		

## STANDARD

ssemblies equired	Location		
118	Deck		
4	Diaphragm		
20	Abutment		
80	Approach Footing		
76	Approach Pavement		

BAR SPLICER DETAILS FAP 303 IL. ROUTE 173 OVER WEST BOAT CHANNEL SECTION 134(B&B-2)R-1 LAKE COUNTY STATION 25+098.390 *STRUCTURE NO. 049-0055*