

ROUTE NO.	SECTION	COUNTY		TOTAL SHEETS	SHRET ND.	SHEET NO. 5-23
F. A. I. 83/74	2826-2-R-2	LAKE COUNTY, INDIANA		1207	714	28 SHEETS
	71,1,19,0519	FED. AID PROJECT-				
CONTRA	CT NO.	62114	IND	OT DES	. NO. C	100987

<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. Splicer rods shall be of minimum 400 MFa yield strength, threaded or coiled full length. All reinforcement bars shall be lapped and tled 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: Seeming surfaces the convertige equation of the

  - (Crension in kN) =  $1.25 \times 10^{\circ} x$  ts allow x A 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)  $A_t$  = Tensile stress area of lapped reinforcement bars (mm<sup>2</sup>). \* = 28 day concrete

BAR SPLICER ASSEMBLIES								
		Strength Requirements						
	Splicer Rod or Dowel Bar Length		Min. Pull-Out Strength kN - tension					
#15	640 mm	100	40					
#20	790 mm	150	60					
#25	1.320 m	250	100					
#30	1.850 m	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 Threaded Tie Bar Assembly, Epoxy Coated. All dimensions are in millimeters (mm) except as noted.

