

682 <u>01</u>				
ROUTE NO.		COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 74	(90-14HB)BR	TAZEWELL	1366	640
FED. ROAD	DIST. NO. 7	ILLINOIS FED. AID PROJECT-		

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 400 MPa 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

Where fy = Yield strength of lapped reinforcement bars in MPa. fs_{allow}= Allowable tensile stress in lapped reinforcement bars in MPa (Service Load) A_t = Tensile stress area of lapped reinforcement bars (mm²). * = 28 day concrete

BAR SPLICER ASSEMBLIES						
Splicer Rod or owel Bar Length	Strength Requirements					
		Min. Pull-Out Strength kN - tension				
610 mm	100	40				
790 mm	150	60				
1.32 m	250	100				
1.85 m	350	140				

Bar splicer (E) 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.

The unused half of the bar splicers from the construction of SN 090-0162 were bundled together, clearly labled with structure number, size, and location within the structure (for example: SN 090-0163 #15 bar splicers for deck) and stored by IDOT. These shall be supplied by IDOT and installed by the Contractor. Cost is included with Reinforcement Bars, Epoxy Coated.

SPLICER ASSEMBLY DETAILS	
TERSTATE 74 AND RAMPS L-1 AND L-4 OVER E. WASHINGTON STREET	Sheet No.
F.A.I. RTE. 74 SECTION (90-14HB)BR TAZEWELL COUNTY STATION 153+868.540	23
STRUCTURE NO. 090-0163 (WB)	of 28
0 North University Avenue atur, II. 62526	URS Job No. 2100001243.01