

ROUTE NO.	SECTION	COUNTY		SHEETS	SHEET NO.
F.A.I. 94	2006-043 RS	соок		135	135
FED. ROAD DIST, NO. 7		1LL.1N315	FED. AD PROJECT-		

Contract # 62747

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 ksi vield 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:

Where fy = Yield strength of lapped reinforcement bars in ksi. A_t = Tensile stress area of lapped reinforcement bars. * = 28 day concrete

> BAR SPLICER ASSEMBLIES Strength Requirements Splicer Rod or Min. Capacity Min. Pull-Out Strength Dowel Bar Length kips - tension kips - tension 14.7 7.9 1'-8" 12.3 2'-0" 23.0 2'-7" 33.1 17.4 45.1 23.8 3'-5" 4'-6" 58.9 31.3 5'-9" 75.0 39.6 95.0 50.3 7'-3'' 9'-0'' 117.4 61.8

> > BAR SPLICER ASSEMBLY DETAILS F.A.I. 94/ (EDENS EXPRESSWAY) OVER CICERO AVE. COOK COUNTY STATION 29+14.49 STRUCTURE NO. 016-0108