

CONTRACT NO. 68085

ROUTE ND.	sec them	COUNTY		TOTAL SHEETS	SHEET	:
5.6.1. *.~~ 220	*	Mercer		50	32	
FED. ROAD 0057. ND. 7		1LLLINO1¢	FED. AID PROJECT			
*(2	3-BR.)]	**	F-22	20()	

SHEET NO. 20 SHEETS 23

NO	Т	F	S

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 fied 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, = Tensile stress area of lapped reinforcement bars. * = 28 day concrete

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

I Construction	Stage II Construction
preaded or Coll pop Couplers (E)	Threaded or Coil Reinforcement Splicer Rods (E) Bars
<u>1'2''</u> cl.	
<u>ST</u>	ANDARD
nmblies red Location	
	BAR SPLICER ASSEMBLY DETAILS F.A.P. ROUTE 220 (US ROUTE 94)

94) OVER EDWARDS RIVER SECTION (23-BR) I MERCER COUNTY STRUCTURE NO. 066-0008 STATION 104+73.75

FRAUENHOFFER & ASSOCIATES. P.C.