

DESIGNED	MBH		-		200
CHECKED	NRF	EXAMINED			
DRAWN	MBH	 PASSED		ENGINEER C	IF 3810GE DESIGN
CHECKED	NRF		ENGINEER	OF BRIDGES	AND STRUCTURES
BSD-1		11-1-06			

ROUTE NO.	SECTION	co	JNTY	TOTAL. SHEETS	SHEET	SHE	ЕΤ	NO.	8
FAP 322	(23-BR -2)BR	FAYETTE		19	16	11	SH	EETS	
PED. ROAD DIST. NO. 7		ILLINDIS	FED. AID PR	ouden-					

Contract # 94968

NOTES

Bar splicer assemblies shall be of an approved type and shall develop in lension at least 125 percent of the yield strength of the lapped reinforcement bars. Splicer rods shall be of minimum 60 ksi yield strength, threaded or colled 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 bor splicer assembly satisfies the following requirements:

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

BAR SPLIC	ER ASSEMBLI	ES			
	Strength Requirements				
Splicer 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			

Reinforcement Bars

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Juro	l

DAD OD TOPO DETANO
BAR SPLICER DETAILS
US 45 / DEER CREEK
F.A.P. RT. 328
WAYNE COUNTY
SN. 096-0068