

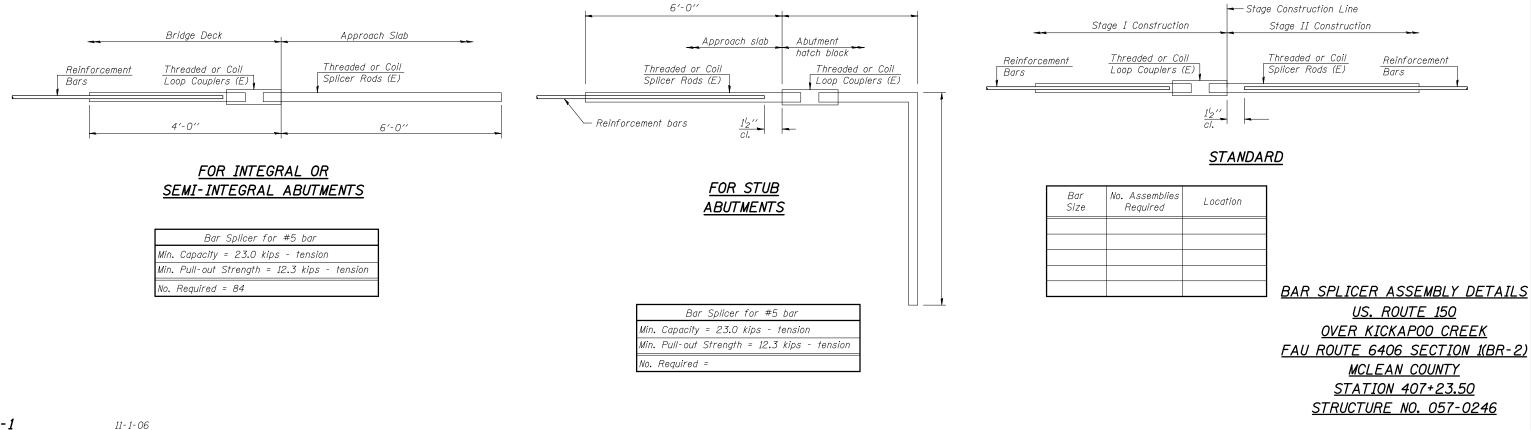
INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt. "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms. (E) : Indicates epoxy coating.

reinforcement bars.

> 2 (Tension in kips)

BAR SPLICER ASSEMBLIES									
	Splicer Rod or Dowel Bar Length	Strength Requirements							
Bar Size to be Spliced			Min. Pull-Out Strength kips – tension						
#4 1'-8''		14.7	7.9						
#5	2'-0''	23.0	12.3						
#6	2'-7''	33.1	17.4						
#7 3'-5''		45.1	23.8						
#8	4'-6''	58.9	31.3 39.6 50.3						
#9	5′-9′′	75.0							
#10	7'-3''	95.0							
#11	9'-0''	117.4	61.8						



ROUTE ND.	SECTION	COUNTY		TOTAL SHEETS	SHEET NO.	SHEET NO. 16
F.A.U. 6406	1(BR-2)	MCLEAN		74	40	22 SHEETS
FED. ROAD DIST. NO. 5		ILLINGIS	FED. AID PROJECT-			

Contract #70517

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 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 bar splicer assembly satisfies the following requirements:

Minimum Capacity (Tension in kips) = 1.25 x fy x A_t

Minimum *Pull-out Strength = 0.66 x fy x A_t

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