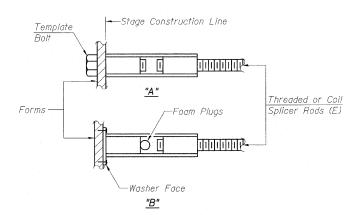


** ONE PIECE — Wire Connector עוועוועון עוועוועון WELDED SECTIONS

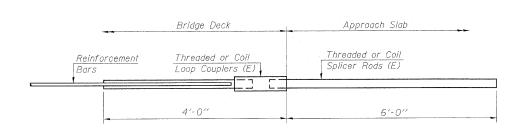
BAR SPLICER ASSEMBLY ALTERNATIVES

**Heavy Hex Nuts conforming to ASTM A 563, Grade C, D or DH may be used.

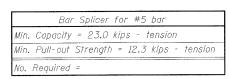


INSTALLATION AND SETTING METHODS

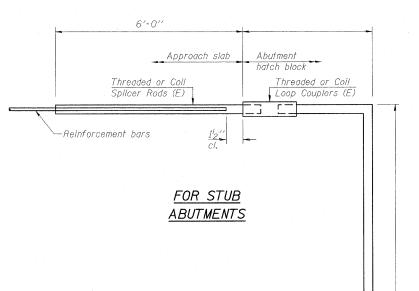
"A": Set bar splicer assembly by means of a template bolt. "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms. (E): Indicates epoxy coating.



FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS



DESIGNED CHECKED W. /. S DRAWN CHECKED C.J.F. BSD-1 10-1-08



Min. Capacity = 23.0 kips - tension			
Min. Pull-out	Strength = 12.3 kips	- tension	





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 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:

(Tension in Nipo)

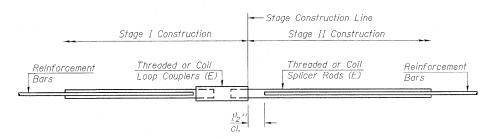
Minimum *Pull-out Strength = 0.66 x fy $x A_t$

Where fy = Yield strength of lapped reinforcement bars in ksi.

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

reinforcement bars.

BAR SPLICER ASSEMBLIES									
		Strength Requirements							
Bar Size to be Spliced			Min. Pull-Out Strength kips - tension						
#4	1'-8''	14.7	7.9						
#5	2'-2"	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						
#9	5′-9′′	75.0	39.6						
#10	7′-3′′	95.0	50.3						
#11	9'-0''	117.4	61.8						



STANDARD

Size	Required	Location		
#4	39	Top Slab		
#6	110	Bottom Slab, Side & Interior Walls		
#7	. 43	Top Slab		

BAR SPLICER ASSEMBLY DETAILS U.S. 50 OVER LACKEY CREEK STRUCTURE NO. 061-2026

SHEET NO. 6	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
	327	327	15B-1	MARION	58	38		
-	9 SHEETS SN 061-2026		CONTRACT	NO. 76	A59			
		FED. RO	DAD DIST. NO. 8 ILLINOIS FED. A	ID PROJECT 327				