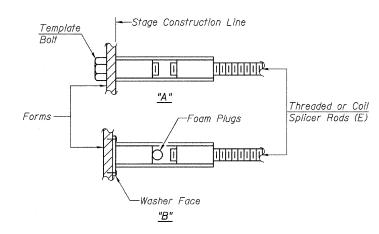
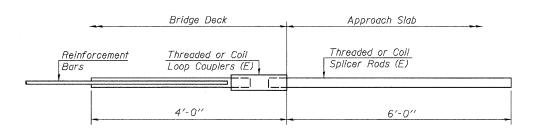


A 563, Grade C, D or DH may be used.



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

	Bai	- S	plicer	foi	- #5	bar			
Min.	Capacity	=	23.0	kip	s - 1	ensio	n		
Min.	Pull-out	Sti	rength	=	12.3	kips	-	tension	
No.	Required	=	74						

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.

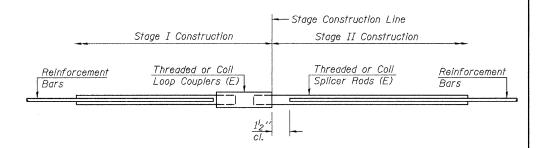
Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length. All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars. Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars.

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 = $1.25 \times fy \times A_t$
- Minimum *Pull-out Strength = $0.66 \times fy \times A_t$ (Tension in kips)

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							
	Splicer Rod or Dowel Bar Length	Strength Requirements					
Bar Size to be Spliced		Min. Capacity kips - tension	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

Bar Size	No. Assemblies Required	Location

BAR SPLICER ASSEMBLY DETAILS

SHEET NO.16	ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
011221 110:20	CH 29	10-00649-00-BR	LASALLE	43	23
21 SHEETS		S.N. 050-3593	CONTRACT NO. 87430		
	FED. RC	DAD DIST. NO. 7 ILLINOIS F	D. AID PROJECT BRS-0099(043)		