

STANDARD

Bar Size	No. Assemblies Required	Location
#4	4	Pier 1 - Diaphragm
#4	4	Pier 2 - Diaphragm
#4	4	Pier 3 - Diaphragm
#5	19	North Abutment
#5	19	South Abutment
#5	351	Top of Deck
#5	274	Bottom of Deck
#6	10	Bottom of Deck
#6	2	Pier 1 - Diaphragm
#6	2	Pier 2 - Diaphragm
#6	2	Pier 3 - Diaphragm
#7	12	Top of Deck



BAR SPLICER ASSEMBLY ALTERNATIVES

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



#11

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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.

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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 ksl 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:

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

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

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BAR SPLICER ASSEMBLIES					
to blice	Splicer Rod or d Dowel Bar Lerigi	Min. Capacity	h Requirements Min. Pull-Out Strength on kips tension		
	1'-8''	14.7	7.9		
	2'-2"	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		

