

STANDARD BAR SPLICER ASSEMBLY

Minimum Lap Lengths									
Bar size to be spliced	Table 1	Table 2	Table 3	Table 4	able 4 Table 5				
3, 4	1'-5''	1'-11''	2'-1''	2'-4''	2'-7''	2'-11''			
5	1'-9''	2'-5"	2'-7''	2'-11''	3'-3''	3'-8''			
6	2'-1''	2'-11''	3'-1''	3′-6′′	3′-10′′	4'-5''			
7	2'-9''	3'-10''	4'-2"	4'-8''	5′-2′′	5′-10′′			
8	3'-8''	5′-1′′	5′-5′′	6'-2''	6'-9''	7′-8′′			
9	4'-7''	6′-5′′	6′-10′′	7′-9′′	8'-7"	9'-8''			

Table 1: Black bar, 0.8 Class C

Table 2: Black bar, Top bar lap, 0.8 Class C

Table 3: Epoxy bar, 0.8 Class C

Table 4: Epoxy bar, Top bar lap, 0.8 Class C

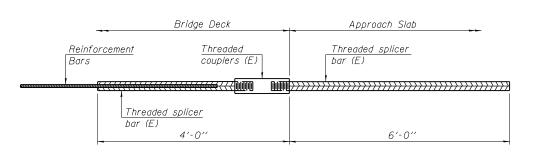
Table 5: Epoxy bar, Class C

Table 6: Epoxy bar, Top bar top, Class C

Threaded splicer bar length = min. lap length + 1^{l_2} " + thread length

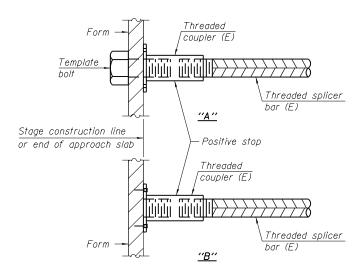
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length			



BAR SPLICER ASSEMBLY FOR #5 BAR ON INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

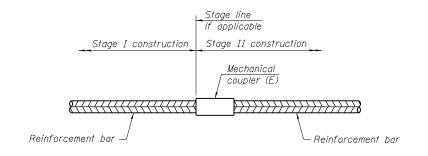
No, required = 80



INSTALLATION AND SETTING METHODS

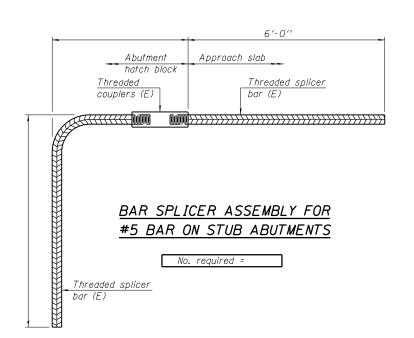
"A": Set bar splicer assembly by means of a template bolt."B": Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required				
Pier 2	#5	36				
Pier 2	#10	208				



NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

All reinforcement shall be lapped and tied to the splicer bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.

See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BSD-1

1-27-12

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3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		CHECKED -	C.C.S.	REVISED -	STATE
217.546.3400 www.hirengineering.com	PLOT SCALE =	DRAWN -	D.A.B.	REVISED -	DEPARTMENT
ILLINOIS DEGESCIONAL DEGICAL FIDM	PLOT DATE = 6/4/2014	CHECKED -	M.D.C.	REVISED -	

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

BAR	SPLICER	ASSEMBLY STRUCT			HANICAL 39–0077	SPLICER	DETAILS	
		SHEET	NO. 26	OF 32	SHEETS			

FAP	SECTION					COUNTY	TOTAL SHEETS		SHEE NO.	
42	13B-1				П	JACKSON		112		
IL 13/	13/127 OVER BEAUCOUP CR.			CR.	Т	CONTRACT	NO.	78	3215	
			ILLINOIS	FED.	AIC	PROJECT				