

STANDARD BAR SPLICER ASSEMBLY

Minimum Lap Lengths								
Bar size to be spliced	Table 1	Table 2	Table 3	Table 4	Table 5	Table 6		
3, 4	1'-5"	I'- II''	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 I: 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

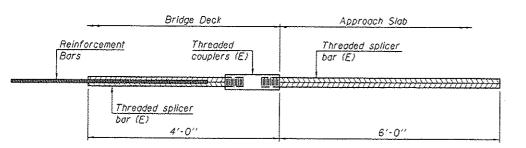
Table 5: Epoxy bar. Class C

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

Threaded splicer bar length = min. lap length + 1_2^{l} " + thread length

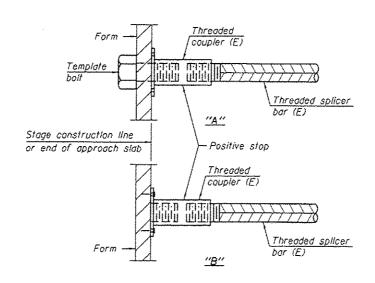
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length	
Joints	#5	8	5	
	 		 	



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

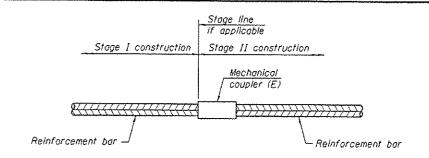
No, required =



INSTALLATION AND SETTING METHODS

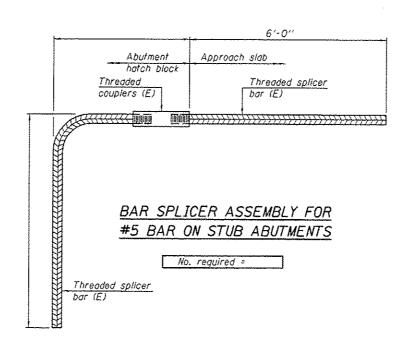
"A": Set bar splicer assembly by means of a template bolt,
"B": Set bar splicer assembly by nailing to wood forms or
cementing to steel forms.

(E): Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required
		



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

DESIGNED SMR EXAMINED I A A A A DATE NOVEMBE	R 12, 2013
CHECKED TLC	n 12, 2015
DRAWN baliva PASSED ACTING ENGINEER OF STRUCTURAL SERVICES REVISED	
CHECKED SMR TLC ACTING ENGINEER OF BRIDGES AND STRUCTURES REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS

SN 081-0124

SHEET NO. 6 OF 6 SHEETS

A.I. SECTION COUNTY TOTAL SHEET NO.

BB 02 BRIDGE REPAIR 2014-1 ROCK ISLAND ID ID ID

CONTRACT NO. 64J91

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