

#### STANDARD BAR SPLICER ASSEMBLY

		Minin	num Lap Len	gths		
Bar size to be spliced	Table 1	Table 2	Table 3	Table 4	Table 5	Table 6
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

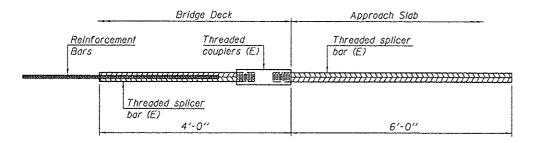
Table 5: Epoxy bar, Class C

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

Threaded splicer bar length = min. lap length +  $l_2''$  + thread length

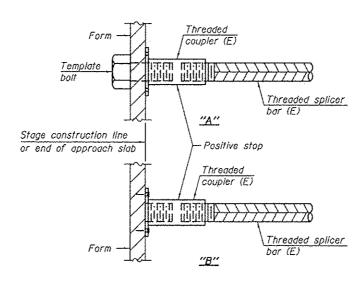
\* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar No. assemblies size required		Table for minimum lap length	
N. & S. Abut. (SB)	#5	16	3	
N. & S. Abut. (SB)	#6	8	3	
N. & S. Abut. (NB)	#5	16	3	
N. & S. Abut. (NB)	#6	8	3	



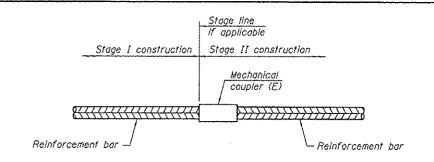
# BAR SPLICER ASSEMBLY FOR #5 BAR ON INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

No. required =



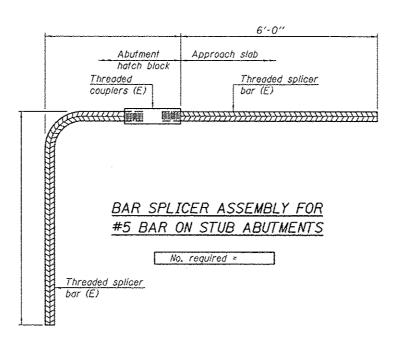
#### INSTALLATION AND SETTING METHODS

"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
	1	



## **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 - VP

CHECKED - ATH

DRAWN - Kylo M. Stoffen

CHECKED - VP ATH

CHECKED - VP ATH

ACTING ENGINEER OF BRIDGES AND STRUCTURES

ACTING ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
SN 084-0181 (SB) & 0182 (NB)
SHEET NO. 8 OF 8 SHEETS

 
 F.A. RTE.
 SECTION
 COUNTY COUNTY
 TOTAL SHEETS NO.
 SHEETS NO.

 662
 HRSI,2RSI,SIRS-6I
 SANGAMON
 116
 103

 CONTRACT NO. 72F23