

## 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 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

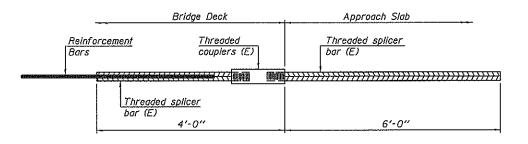
Table 5: Epoxy bar, Class C

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

Threaded splicer bar length = min. lap length +  $I_2^{l}$ " + thread length

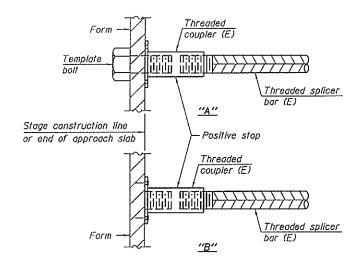
\* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length		
Abutment Mudwalls	#5	12	Table 3		
Deck Ends	#5	16	Table 3		



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

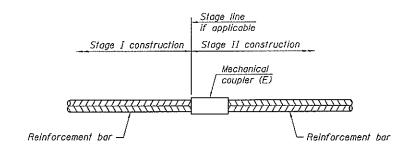
No. required =



## INSTALLATION AND SETTING METHODS

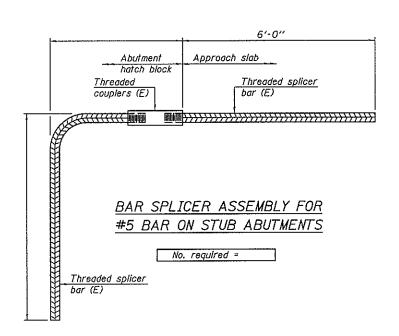
"A": Set bar splicer assembly by means of a template bolt.
"B": Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E): Indicates epoxy coating.



## STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



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

BSD-1

1-27-12

	_	<del>-</del>				
DESIGNED	-	J. Uehle	EXAMINED	STAG	-	2/28/2014
CHECKED	-	C. Sanders	ENGINEER OF STRUCTURAL SERVICES			
DRAWN	-	J. Vehle	PASSED	REVISE		
CHECKEO	-	C. Sonders	ENGINEER OF BRIDGES AND STRUCTURES	REVISE		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

В	AR	SPLICER	ASSEMBLY	AND	MECHA	ANICAL	SPLICER	DETAILS
			STRUC	TURE	NO. 060	0-0129		
			SHEET	NO. 5	OF 6 SH	EETS		

	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
	604	(103,125)RS-2, 125-BR-2	MADISON	46	35			
_			CONTRACT	NO. 7	6G25			
- 1	DILLINOIS FED. AID PROJECT							