

### STANDARD BAR SPLICER ASSEMBLY

	Minima	um Lap Leng	ths		
Bar size to be spliced	Table 1	Table 2	Table 3	Table 4	Table 5
3, 4	1'-5''	1'-11''	2'-1"	2'-4"	2'-3''
5	1'-9''	2'-5"	2'-7"	2'-11''	2'-10''
6	2'-1''	2'-11''	3'-1''	3′-6′′	3'-4''
7	2'-9"	3′-10′′	4'-2"	4'-8''	4'-6''
8	3'-8''	5′-1′′	5′-5′′	6'-2"	5′- <i>10′′</i>
9	4'-7"	6'-5"	6'-10''	7'-9"	7′-5″

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

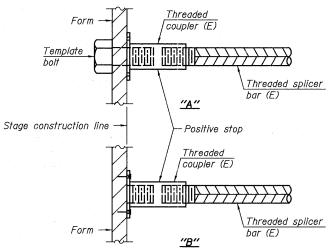
Table 5: Epoxy bar, Top bar lap, Class B

Bridge Deck

Threaded splicer bar length = min. lap length +  $1_2'''$  + thread length

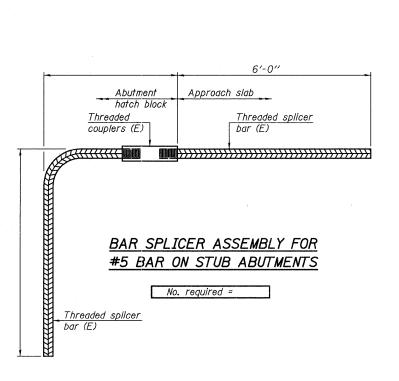
\* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

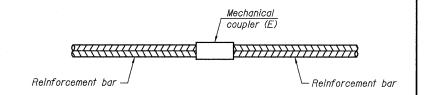
Location	Bar size	No. assemblies required	Table for minimum lap length
			1



#### 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 special provision for Mechanical Splicers.

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

Reinforcement Bars	Threaded couplers (E)	Threaded splicer bar (E)	
Thread	ded splicer	<u> </u>	<del>}}}}</del>
bar (E	4'-0''	6'-0"	

Approach Slab

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

No. required = 282

BSD-1

7-1-10

McClure	USER NAME =	DESIGNED - JTT	REVISED -
Engineering Associates, Inc.		CHECKED - VAC	REVISED -
7282 Argus Drive Rockford, Illinois 61107-5837 (815) 398-2332 FAX (815) 398-2496	PLOT SCALE =	DRAWN - JBB	REVISED -
	PLOT DATE =	CHECKED - JTT	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR	SPLICER	ASSEMBLY	DETAILS
STRUC	TURE NO	). 101–0193 8	101-0194
BR	IDGE SHEET	NO. 42 OF 48	SHEETS

CONTRACT NO. 64C29					
90	(X2-1)R	WINNEBAGO	510	387	
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	