

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''	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

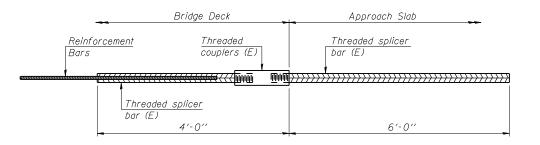
Table 5: Epoxy bar, Class C

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

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

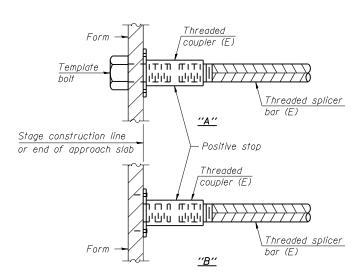
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length
Bridge Slab	#5	286	5
Diaphragms	#6	16	6
Top of Approach Slabs	#5	50	5
Bottom of Approach Slabs	#8	92	5
Abutments	#7	20	6
Approach Slab Footing	#5	80	5



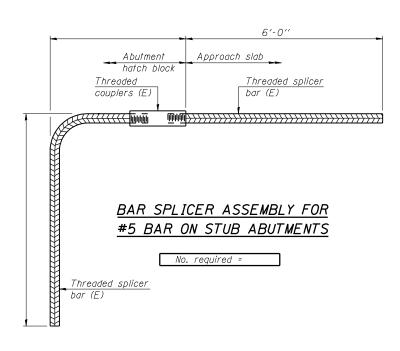
BAR SPLICER ASSEMBLY FOR #5 BAR ON INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

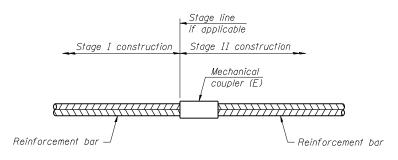
No. required = 78



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

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

		USER NAME =	DESIGNED - LRT	REVISED -	
(ampliaming project incorporation		CHECKED - OAO	REVISED -
D I	STRUCTURE DESIGNS, INCORPORATED ARCHITECTS & ENGINEERS	PLOT SCALE =	DRAWN - TCS	REVISED -	
		PH: (312) 551-9780 ◆ www.structuredesignsinc.com	PLOT DATE =	CHECKED - LRT	REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STRUCTURE NO. 029-0074		(137 BR, BR-1) BR	FULTON	118	81
			CONTRACT	. NO. 6	8699
CUEET NO. 10 OF OI CUEETS					