

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
<i>3. 4</i>	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 I: Black bar, O.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

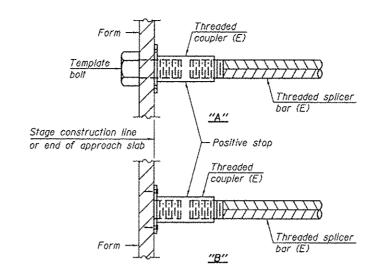
Table 5: Epoxy bar, Class C

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

Threaded splicer bar length = min, lap length + 112" + thread length

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

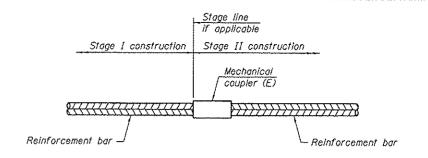
Location	Bar size	No. assemblies required	Table for minimum lap length		
West Abutment	#5	16	3		
West Abutment	#6	8	3		
East Abutment	#5	16	3		
East Abutment	#6	8	3		



INSTALLATION AND SETTING METHODS

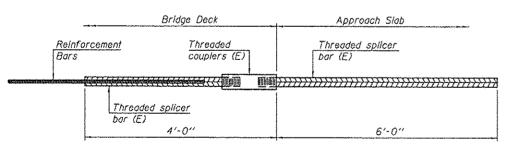
"A": Set bar splicer assembly by means of a template bolt.
"B": Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E): Indicates epoxy coating.



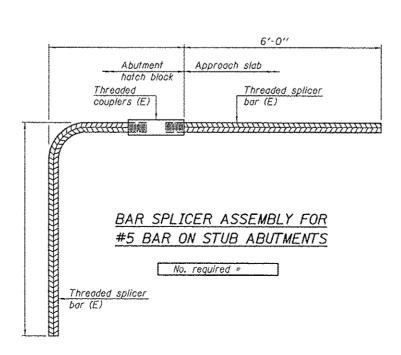
STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required
	<u> </u>	



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

No. 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	GGE	EXAMINED	Tint A A Offi	DATE	NOVEMBER 13, 2012
CHECKED	ARS		ACTING ENGINEER OF SERUCEURAL SERVICES	_	1012 moen 15. 2012
DRAWN	Kyle M. Steffen	PASSED	A Carl Traver	REVISED	<u> </u>
CHECKED	GGE ARS	l	ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISE)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS

SN 084-0180

SHEET NO. 7 OF 7 SHEETS

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F.A. RTE. SECTION COUNTY SHEETS NO. 67 10751,20751,5075-61 5410,5075-7 NO. 72F23