

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



Form

<u>Template</u>

Stage construction line

or end of approach slab

Form

coupler (E)

<u>''A ''</u>

Positive stop

Threaded

coupler (E)

<u>"B"</u>

<u>INSTALLATION AND SETTING METHODS</u>

"A": Set bar splicer assembly by means of a template bolt.

"B" : Set bar splicer assembly by nailing to wood forms or

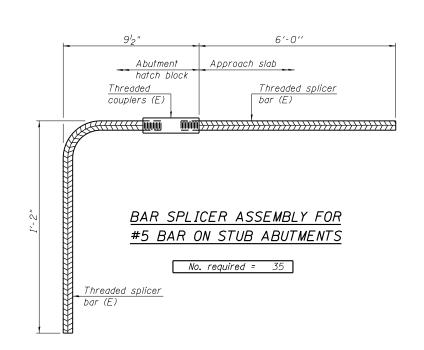
(E): Indicates epoxy coating.

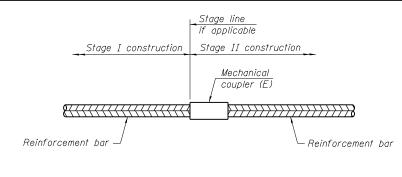
cementing to steel forms.

Threaded splicer bar (E)

Threaded splicer

bar (E)





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.

COUNTY

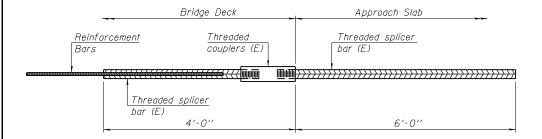
EFFINGHAM 1760 1740

CONTRACT NO. 74295

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.



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

No. required =

BSD-1

1-27-12

		:		
FILE NAME =	0250019-74295-035.dgn	USER NAME =	DESIGNED	REVISED -
	BERNARDIN * LOCHMUELLER & ASSOCIATES, INC.	Illinois Design Firm Number 184.001670	CHECKED	REVISED -
	3 OAK DRIVE MARYVILLE, ILLINOIS 62062	PLOT SCALE =	DRAWN - W.J.S.	REVISED -
	PHONE (618) 288-4665 FAX (618) 288-4666	PLOT DATE = 2:14:11 PM 8/15/2013	CHECKED - C.J.F. & B.B.	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS	F.A.I. RTE.	SECTION
STRUCTURE NO. 025-0019	57/70	(25-4HB)I-3
SHEET NO. 35 OF 35 SHEETS		ILLINOIS FED.