

STANDARD BAR SPLICER ASSEMBLY

	Minimu	ım 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′-10′′
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

Reinforcement

Rors

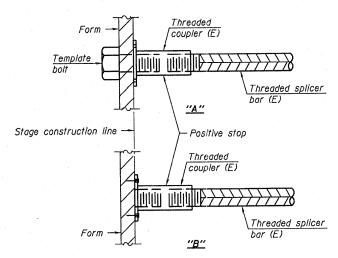
Threaded

couplers (E)

Threaded splicer bar length = min. lap length + 1_2^{l} " + thread length

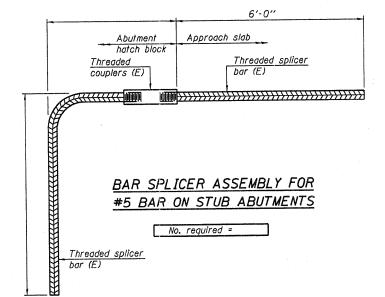
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

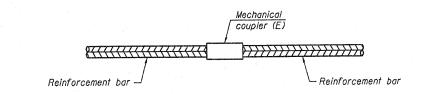
Location	Bar size	No. assemblies required	Table for minimum lap length
Culvert Top Slab	#6	13	Table 1
Culvert Bottom Slab	#5	. 18	Table 1
Culvert Barrel Walls	#6	16	Table 1



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
	1	

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.

RSD-1

7-1-10

Threaded splicer

BSD-1 7-1	<i>- 10</i>		
4	USER NAME =	DESIGNED - DLS	REVISED -
WILLS BURKE KELSEY ASSOCIATES LTD.	FILE NAME =	CHECKED - AEU	REVISED -
VBK 116 West Mein Street, Suite 201 St. Charles, Illinois 60174	PLOT SCALE =	DRAWN - AWH	REVISED -
(630) 443-7755	PLOT DATE = 06/24/2011	CHECKED - DLS	REVISED -

BAR SPLICER ASSEMBLY FOR #5 BAR ON

INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

No. required =

Approach Slab

(m<mark>.)))))</mark>

6'-0"

Threaded splicer bar (E)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 098-1067

SHEET NO. 8 OF 9 SHEETS

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	40
		CONTRACT	NO. 6	4F23
	ILLINOIS FED. A	ID PROJECT		