

STANDARD BAR SPLICER ASSEMBLY

	Minimum Lap Lengths				
Bar size to be spliced	Table 1	Table 2	Table 3	Table 4	
3, 4	1'-5"	1'-11''	2'-1"	2'-4"	
5	1'-9''	2'-5"	2'-7"	2'-11''	
6	2'-1"	2'-11"	3'-1''	3'-6"	
7	2'-9''	3'-10"	4'-2"	4'-8''	
8	3'-8''	5'-1"	5′-5″	6'-2''	
9	4'-7"	6'-5"	6'-10''	7'-9"	

Table 1: Black bar, 0.8 Class C

Table 2: Black bar, Top bar lap, 0.8 Class C

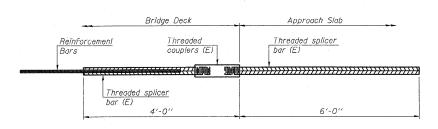
Table 3: Epoxy bar, 0.8 Class C

Table 4: Epoxy bar, Top bar lap, 0.8 Class C

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

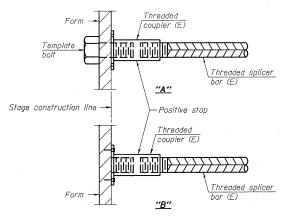
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length
APPROACH	#6	2	3'-6''
APPROACH	#6	4	3'-1''
DECK	#5	10	2'-11''
DECK	#7	12	4'-8''



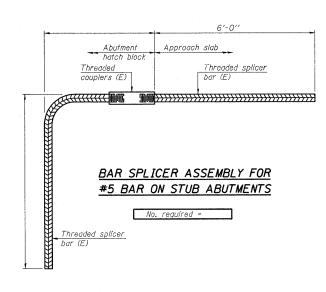
BAR SPLICER ASSEMBLY FOR #5 BAR ON INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

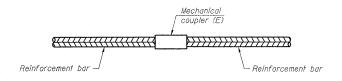
No. required =



INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nalling to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.





STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required

<u>NOTES</u>

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strongth.

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.

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS STRUCTURE NO.

TOTAL SHEET NO.

BSD-1

11-1-09

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1	FILE NAME =	USER NAME = teasleyck	DESIGNED - ADR	REVISED -				S.B.I. RTE.	SECTION	COUNTY
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	*	PLOT SCALE = 499.9783 '/ IN.	CHECKED ~	REVISED -	DEPARTMENT OF TRANSPORTATION					CONTRACT
		PLOT DATE = 2/9/2010	DATE -	REVISED ~		SCALE: S	SHEET NO. 7 OF 11 SHEETS STA. TO STA.	FED. ROAF	D DIST. NO. ILLINOIS FED. AID P	PROJECT