

## STANDARD BAR SPLICER ASSEMBLY

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

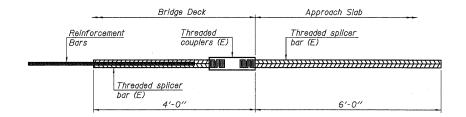
Table 3: Epoxy bar, 0.8 Class C

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		Table for minimum			
Lobarion	size	required	lap length			
STA. 734+06 NB	#5	24	3			
STA. 734+06 SB	#5	24	3			
STA. 742+94 NB	#5	24	3			
STA. 742+94 SB	#5	24	3			
STA. 1114+86 NB	#5	24	3			
STA. 1114+86 SB	#5	24	3			
STA. 1121+94 NB	#5	24	3			
STA. 1121+94 SB	#5	24	3			

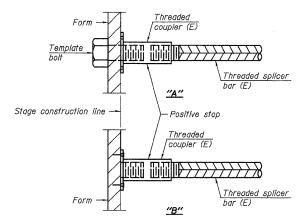


## BAR SPLICER ASSEMBLY FOR #5 BAR ON INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

No. required =

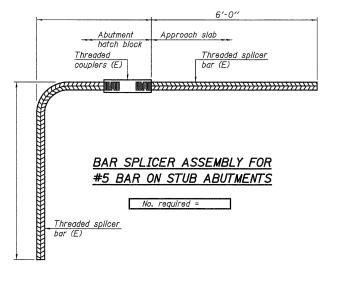
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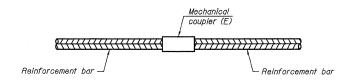
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## INSTALLATION AND SETTING METHODS

"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 strength.

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

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS STRUCTURE NO.

FILE NAME =	USER NAME = SJS	DESIGNED -	REVISED -		STATE OF ILLINOIS BAR SPLICER DETAIL DEPARTMENT OF TRANSPORTATION			F.A.I.	SECTION	COUNTY	TOTAL SHEET	
\cadd\D876C93-sht-details.dgn		DRAWN -	REVISED ~	STATE OF ILLINOIS					55	60-(1,2)RS-2	MADISON	156 147
Johnson, Depp & Quisenberry CONSULTING ENGINEERS	PLOT SCALE = 50.000 '/ IN.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION				<u> </u>			T NO. 76C93	
CONSULTING ENGINEERS Springfield, Illinois	PLOT DATE = 06/23/2010 15:36:21	DATE -	REVISED -		SCALE: SHEET NO. O	OF SHEETS	STA.	TO STA.	]	ILLINOIS FED. AI		