

## 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 CTable 3:Epoxy bar, 0.8 Class CTable 4:Epoxy bar, Top bar lap, 0.8 Class CTable 5:Epoxy bar, Class CTable 6:Epoxy bar, Top bar top, 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		
Deck	#5	311	3		
Diaphragm	#6	26	3		
Abutments	#8	20	3		
Approach Slab	#5	172	3		
Approach Slab	#4	50	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.



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FILE NAME =	DESIGNED EV					F.A.I.			TOTAL
\0480090-68084-024-Bar_splicers.dgn	DRAWN JCP	REVISED -		STATE OF ILLINOIS	BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS	NIL.	SECTION		SHEETS NO.
PLOT TIME = 4:31:38 PM	CHECKED PC	REVISED -	600 WEST FULTON STREET TEL 312 454 9100	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO. 048–0090	74 48-L()	(25B)BR, BR-1]		NO. 68B85
PLOT DATE = 7/30/2014	DATE 05 03 2013	REVISED -	CHICAGO, ILLINOIS FAX 312 559 1217 60661-1259 WEB www.epsteinglobal.com		SHEET NO. S24 OF S25 SHEETS		ILLINOIS FED. AI	AID PROJECT	



## STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies
	size	required

## <u>NOTES</u>

- 1. Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
- 2. 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.