

## STANDARD BAR SPLICER ASSEMBLY

Minimum Lap Lengths							
Bar size to be spliced	Table 1	Table 2	ble 2 Table 3		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''	

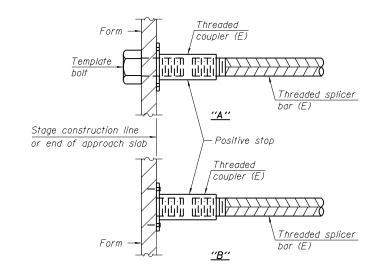
Table 1: Black bar, 0.8 Class C

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.

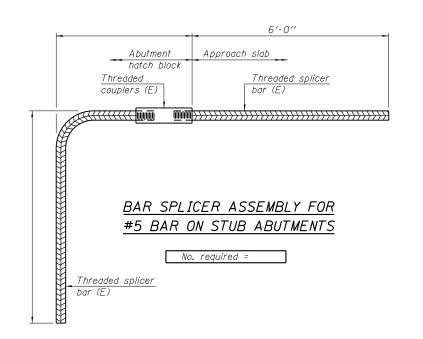
Location	Bar size	No. assemblies required	Table for minimum lap length
Deck	#5	1044	3
Diaphragms	#6	14	4
Approaches	#4	62	3
Approach Footings	#5	80	3
West Abutment	#7	10	4
East Abutment	#7	10	4
Pier 1 (Web Wall)	#5	216	4
Pier 2 (Web Wall)	#5	204	4
Pier 1 (Cap)	#7	15	4
Pier 2 (Cap)	#7	15	4
Pier 3 (Cap)	#7	15	4
Pier 4 (Cap)	#7	15	4



## 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.

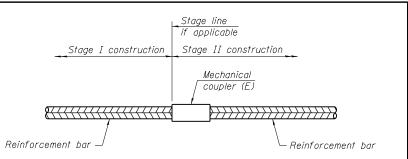
(E) : Indicates epoxy coating.



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**1** 8-31-12

	-028-Bar Splicers.dgn	USER NAME =	DESIGNED - BWP	REVISED -		BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS		SECTION	COUNTY	TOTAL SHEET SHEETS NO.
	N FARMER WORKMAN GINEERING & TESTING, INC.		CHECKED - CMV	REVISED -	STATE OF ILLINOIS	STRUCTURE NO.	1388	(Z-1D-BR-1)BR	PEORIA	89 70
<b>DLM</b> –	403 NORTH COURT STREET MARION, ILLINOIS 62959 PHONE - 618.997.9190	PLOT SCALE = PLOT DATE = 3/18/2014	DRAWN - BWP CHECKED - CMV	REVISED - REVISED -	DEPARTMENT OF TRANSPORTATION	SHEET NO. 28 OF 34 SHEETS		ILLINOIS FED.	AID PROJECT	CT NO. 68697



## STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required
Pier 1	#8	56
Pier 2	#8	56
Pier 3	#8	56
Pier 4	#8	56

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 approved list of bar splicer assemblies and mechanical splicers for alternatives.