

## STANDARD BAR SPLICER ASSEMBLY

Minimum Lap Lengths							
Bar size to be spliced	Table 1	Table 2	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 C

Table 3: Epoxy bar, 0.8 Class C Table 4: Epoxy bar, Top bar lap, 0.8 Class C

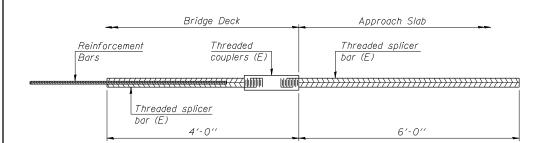
Table 5: Epoxy bar, Class C

Table 6: Epoxy bar, Top bar lap, Class C

Threaded splicer bar length = min. lap length +  $l_2''$  + thread length

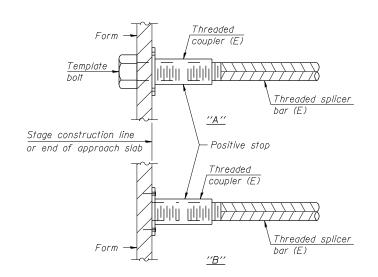
\* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

1	Bar	No. assemblies	Table for minimum
Location	size	required	lap length
Approach footing	#5	80	3
Approach slabs	#5	90	3
Approach slabs	#4	50	4
Deck	#5	570	3
Deck	#6	8	3
Pier caps	#7	18	4
Pier stems	#5	92	3
Abutment caps	#7	16	4
Abutment backwalls	#5	14	6
Abutment backwalls	#6	8	6





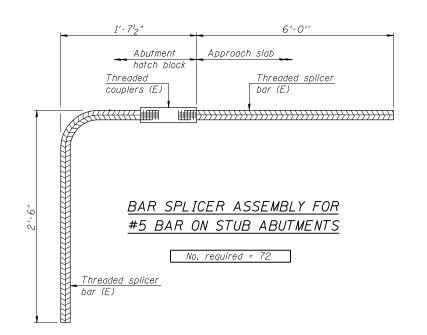
#### No. required = 0



## INSTALLATION AND SETTING METHODS

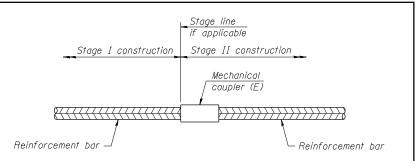
"A" : Set bar splicer assembly by means of a template bolt. "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms. (E) : Indicates epoxy coating.





### 1-27-12

ESCA	USER NAME = has	DESIGNED - ELH 12/12	REVISED -		BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS	F.A.P. RTE	SECTION	COUNTY TOTAL SHEETS	SHEET
CONSULTANTS, INC.	ESCA PROJECT NO. 933.14	CHECKED - RDP 04/13	REVISED -	STATE OF ILLINOIS	STRUCTURE NO. 093-0025	332	(12,B2)B-1	WABASH 68	45
	PLOT SCALE = 0:2 ':' / IN.	DRAWN - HAS 12/12	REVISED -	DEPARTMENT OF TRANSPORTATION	31RUCTURE NU. 093-0023			CONTRACT NO. 74	4219
	PLOT DATE = 6/10/2014 8:53:55 AM	CHECKED - ELH 12/12	REVISED -		SHEET NO. 25 OF 31 SHEETS		ILLINOIS FED.	AID PROJECT	



# STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required		
NA				

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.