

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 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 top, Class C

Threaded splicer bar length = min. lap length + $l_2^{\prime\prime}$ + 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		
058-0055	#6	24	Table 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.





BSD-1

1-27-12

FILE NAME =	USER NAME = teasleyck	DESIGNED – DFZ	REVISED -		BAB	SPLICER ASSE	EMBLY AND MECHANICAL	SPLICER DETAILS	F.A.P.	SECTION	COUNTY	TOTAL SHEET
c:\pw_work\pwidot\teasleyck\d03129	4\D774601-sht-brdetails.dgn	DRAWN - DFZ	REVISED -	STATE OF ILLINOIS	STRUCTURE NO. 058–0055				320 D)7 Bridge Repairs 2014-2	MACON	29 28
	PLOT SCALE = 40.0000 '/ in.	CHECKED - MJM	REVISED -	DEPARTMENT OF TRANSPORTATION				CONTRACT	NO. 74601			
Default	PLOT DATE = 4/8/2013	DATE - 2/20/2013	REVISED -		SCALE:	SHEET 13	OF 14 SHEETS STA.	TO STA.		ILLINOIS FED. A	ID PROJECT	



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.

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.