

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 C

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

Threaded splicer bar length = min. lap length + 1^{l_2} + thread length

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

Location	Bar	No, assemblies	Table for minimum
Locanon	size	required	lap length
Bridge Superstructure	#5	115	3
Abutments	#7	16	4
Abutments	#4	20	5
Piers	#7	16	4
Piers	#4	56	3
Approaches	#4	50	4
Approaches	#5	92	3
Approach Footings	#5	80	3



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

No, required =



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

FILE NAME	= \$FILE\$	USER NAME =	DESIGNED -	T.J.A.	REVISED -		BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS	FAP	SECTION	COUNTY	TOTAL	SHEET NO.
HAM	TON, LENZINI AND RENWICK, INC.		CHECKED -	S.M.S.	REVISED -	STATE OF ILLINOIS		332	5B-1	WHITE	51	36
T ⊕ J	SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM	PLOT SCALE = PLOT DATE = 9/17/2013	DRAWN -	D.A.B.	REVISED -	DEPARTMENT OF TRANSPORTATION	SHEET NO. 12 OF 15 SHEETS	IL RTE 1/14	OVER CROOKED CR.		NO. 78	266
	Caller ac CORF. 184.000838		ONEONED	MIBIOI	HETTOED				ILLINOIS ILD. A	ID TROOLET		

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STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required			

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.