

STANDARD BAR SPLICER ASSEMBLY

No. required = 392

	Minim	um Lap Leng	ths			
Bar size to be spliced	Table 1	Table 2	Table 3	Table 4	Table 5	
3, 4	1'-5''	1'-11''	2'-1"	2'-4"	2'-3"	
5	1'-9''	2'-5"	2'-7"	2'-11''	2'-10''	
6	2'-1"	2'-11''	3'-1''	3′-6′′	3'-4''	
7	2'-9"	3'-10''	4'-2"	4'-8''	4'-6"	
8	3′-8′′	5′-1′′	5′-5″	6'-2"	5′-10′′	
.9	4'-7''	6'-5"	6'-10''	7′-9′′	7′-5′′	

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, Top bar lap, Class B

Bridge Deck

Threaded splicer

Threaded

couplers (E)

BAR SPLICER ASSEMBLY FOR #5 BAR ON

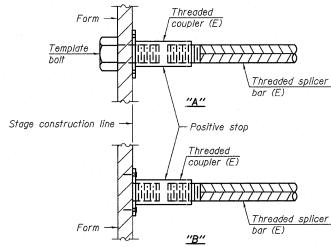
INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

No. required =

Threaded splicer bar length = min. lap length + $I_2^{\prime\prime}$ + thread length

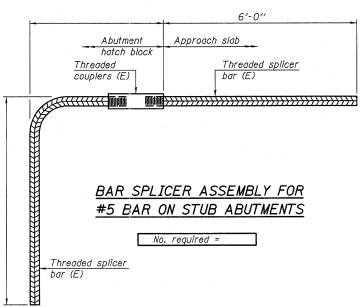
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

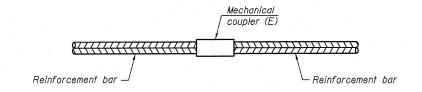
Location	Bar size	No. assemblies required	Table for minimum lap length		
Top Slab Longitudinal	#5	80	Table 1		
Top Slab Transverse	#8	100	Table 1		
Bottom Slab Longitudinal	#5	80	Table 1		
Bottom Slab Transverse	#8	100	Table 1		
Exterior & Interior Walls	#5	40	Table 1		



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.





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 special provision for Mechanical Splicers.

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

	US
::: Primera	
	PI
100 S. WACKER DRIVE SUITE 700 . CHICAGO IL 60606 . P:312-608-0911 F:212-608-0415	Pl

Reinforcement

Bars

USER NAME =	DESIGNED - JSG	REVISED -
	CHECKED - LRG	REVISED -
PLOT SCALE =	DRAWN - MPS	REVISED ~
PLOT DATE =	CHECKED - JXH/TPG	REVISED -
	PLOT SCALE =	CHECKED - LRG PLOT SCALE = DRAWN - MPS

Approach Slab

6'-0"

Threaded splicer

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY DETAILS
STRUCTURE No. 049-0196 STA. 54+00.00
SHEET NO. SA7 OF SAIO SHEETS

DATE: 11-30	1-2011	ILLINOIS	FED.	AID	PROJECT		
				I	CONTRAC	T NO.	62187
335	145	X-T			LAKE	80	51
F.A.P. RTE.	SEC	TION			COUNTY	TOTAL SHEETS	SHEE