

STANDARD BAR SPLICER ASSEMBLY

	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

Threaded splicer bar length = min, lap length + 1_2^{\prime} + thread length

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

Location	Bar	No. assemblies	Table for minimum
	size	required	lap length
Concrete Deck	#5	465	Table 3
Top of Approach Slabs	#4	50	Table 3
Bottom of Approach Slabs	#5	92	Table 3
Approach Slab Foundations	#5	80	Table 3
Bk. of S. Abut. Diaphragm	#6	5	Table 3
Bk. of N. Abut. Diaphragm	#6	5	Table 3
South Abutment	#8	8	Table 4
North Abutment	#8	8	Table 4
Piers 1 & 2	#5	52	Table 4
Pier Caps 1 & 2	#7	24	Table 4



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

No. required = 96



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.





yield strength. alternatives.

		DESIGNED ~	SLV M.IM	REVISED -	STATE OF ILLINOIS	BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
CONSULTING ENGINEERS		DRAWN -	SLV	REVISED - REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO. 056–0277	324	24B-2 D-91-178-09		76 51 T NO. 60F64
NAPERVILLE, ILLINOIS 60563 PH: (630) 577-9100	CHECKED - DJB REVISED -		SHEET NO. 23 OF 26 SHEETS	ILLINOIS FED. AID PROJECT		10. 00104				

Mechanical coupler (E) Reinforcement bar -Reinforcement bar

STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required

Stage I Construction	Stage II Construction
Threaded couplers (E)	Threaded splicer bar (E)
A CONTRACTOR CONT	*******
splicer	
1'- 11''	3'-1''

BAR SPLICER ASSEMBLY FOR #6 BAR IN FRONT FACE OF ABUTMENT DIAPHRAGMS

No. required = 6

NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi

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