

STANDARD BAR SPLICER ASSEMBLY

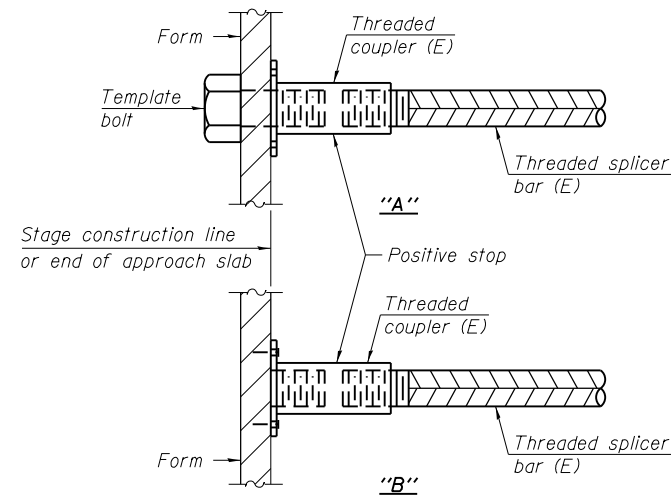
Minimum Lap Lengths						
Bar size to be spliced	Table 1	Table 2	Table 3	Table 4	Table 5	Table 6
3, 4	1'-5"	1'-11"	2'-1"	2'-4"	2'-7"	2'-11"
5	1'-9"	2'-5"	2'-7"	2'-11"	3'-3"	3'-8"
6	2'-1"	2'-11"	3'-1"	3'-6"	3'-10"	4'-5"
7	2'-9"	3'-10"	4'-2"	4'-8"	5'-2"	5'-10"
8	3'-8"	5'-1"	5'-5"	6'-2"	6'-9"	7'-8"
9	4'-7"	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 lap, Class C

Threaded splicer bar length = min. lap length + 1/2" + thread length

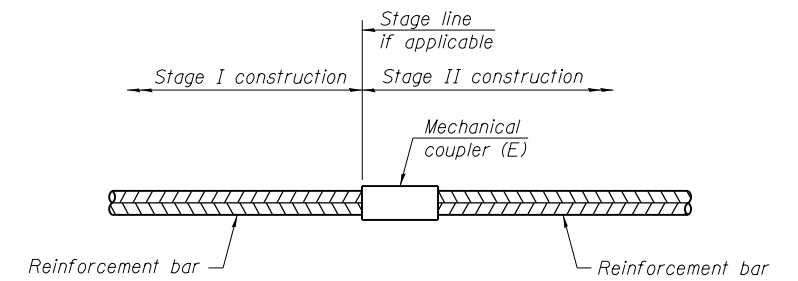
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length
Deck	#5	1,070	5
Approach Slab	#4	50	6
Approach Slab	#5	172	5
West Abutment	#5	19	6
East Abutment	#5	19	6
Pier 1 Cap, Top	#9	6	6
Pier 1 Cap, Bottom	#9	7	5
Pier 1 Cap, Side	#5	10	6
Pier 1 Crashwall	#5	9	6
Pier 2 Cap, Top	#9	6	6
Pier 2 Cap, Bottom	#9	7	5
Pier 2 Cap, Side	#5	10	6
Pier 3 Cap, Top	#9	6	6
Pier 3 Cap, Bottom	#9	7	5
Pier 3 Cap, Side	#5	10	6
Pier 4 Cap, Top	#9	6	6
Pier 4 Cap, Bottom	#9	7	5
Pier 4 Cap, Side	#5	10	6
Pier 4 Crashwall	#5	9	6



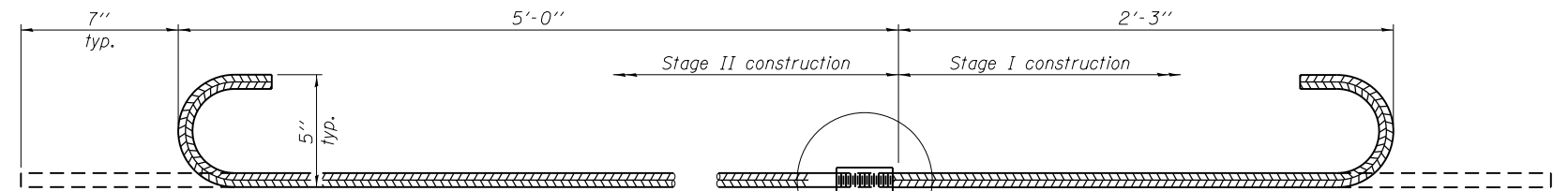
INSTALLATION AND SETTING METHODS

"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

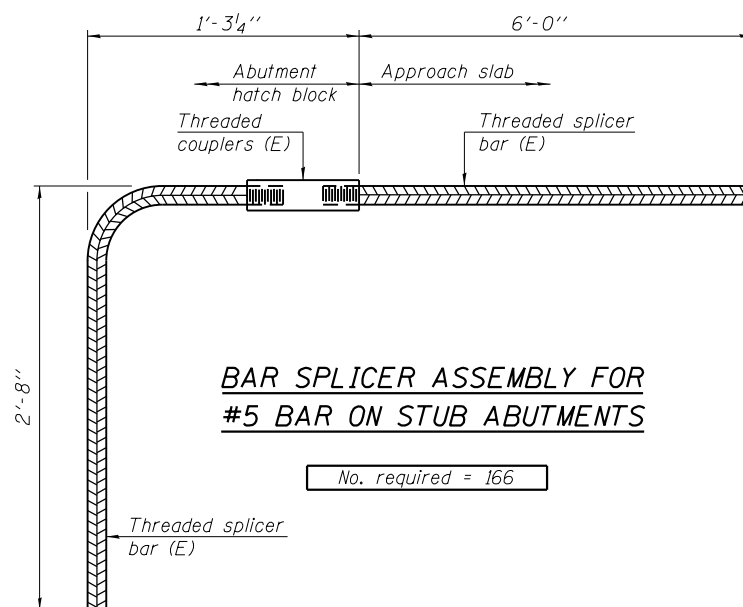
Location	Bar size	No. assemblies required



#5 #6(E) BAR SPLICER ASSEMBLY FOR EDGE BEAMS AT STAGE CONSTRUCTION JOINT

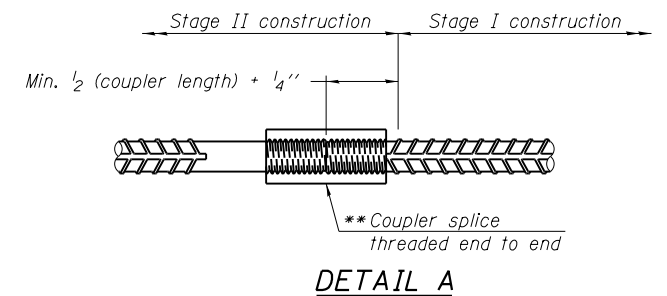
No. required = 6

** The bar splicer assembly shall allow completion of the splice without turning of the hook bars. The stage II splice bar shall be threaded such that the entire coupler can be threaded onto the splice bar.



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required = 166



DETAIL A

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.

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BSD-1 8-31-12

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USER NAME =	DESIGNED - J.Z.	REVISED -
PLOT SCALE =	CHECKED - J.A.Z.	REVISED -
PLOT DATE =	DRAWN - E.E.J.	REVISED -
	DATE - 3/31/2014	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BAR SPLICER ASSEMBLY DETAILS
 STRUCTURE NO. 016-1149**

SHEET NO. S49 OF 50 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	1920-B	COOK	142	113
CONTRACT NO. 60J15				

ILLINOIS FED. AID PROJECT