

STANDARD BAR SPLICER ASSEMBLY

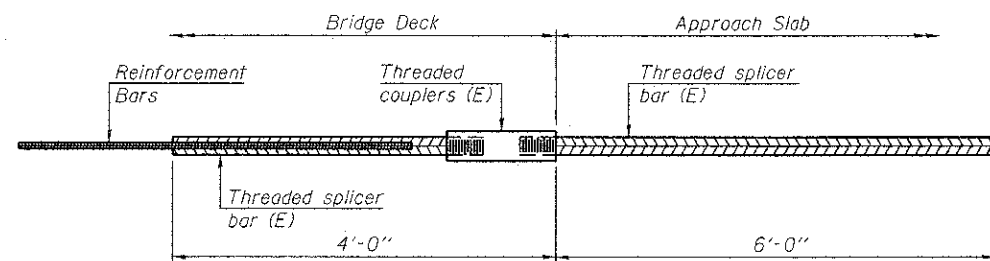
Bar size to be spliced	Minimum Lap Lengths					
	Table 1	Table 2	Table 3	Table 4	Table 5	Table 6
3, 4	1'-5"	1'-11"	2'-1"	2'-4"	2'-7"	2'-11"
5	1'-9"	2'-5"	2'-7"	2'-11"	3'-3"	3'-8"
6	2'-1"	2'-11"	3'-1"	3'-6"	3'-10"	4'-5"
7	2'-9"	3'-10"	4'-2"	4'-8"	5'-2"	5'-10"
8	3'-8"	5'-1"	5'-5"	6'-2"	6'-9"	7'-8"
9	4'-7"	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 + 1/2" + thread length

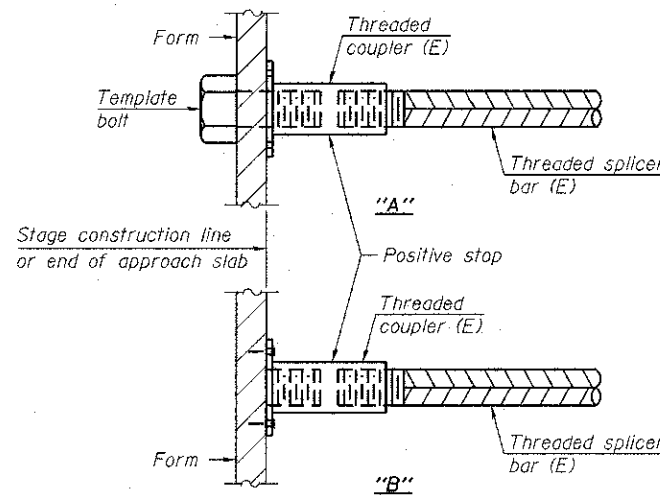
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length
Concrete Wearing Surface	#4	92	Table 3
East Abutment	#7	10	Table 4
West Abutment	#7	10	Table 4
Pier 1	#7	10	Table 4
Pier 2	#7	10	Table 4
East Approach	#4	25	Table 4
East Approach	#5	86	Table 4
West Approach	#4	25	Table 4
West Approach	#5	86	Table 4



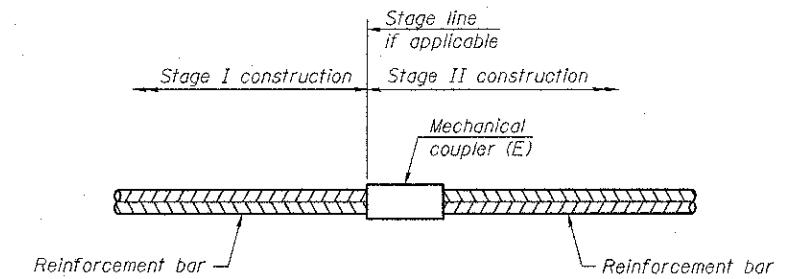
BAR SPLICER ASSEMBLY FOR #5 BAR ON INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

No. required =



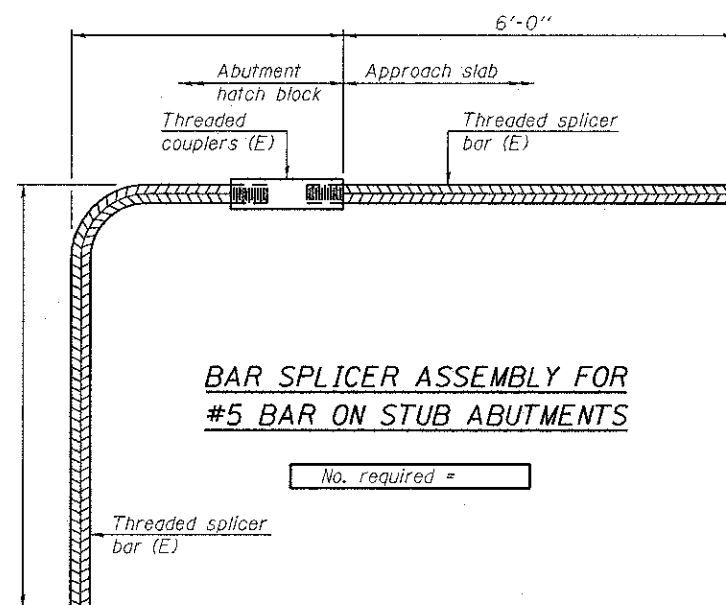
INSTALLATION AND SETTING METHODS

- "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.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. 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.

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1-27-12

Bollinger, Lach & Associates, Inc.
TASCA, ILLINOIS

USER NAME = gonzalo
DESIGNED JMT
CHECKED JJI
DRAWN GM
CHECKED JJI
PLOT SCALE =
PLOT DATE = 8/16/2012

DESIGNED JMT
CHECKED JJI
DRAWN GM
CHECKED JJI
REVISOR -
REVISOR -
REVISOR -
REVISOR -

**McHENRY COUNTY
DIVISION OF TRANSPORTATION
LAWRENCE ROAD BRIDGE OVER PISCASAW CREEK**

**BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 056-3184**

SHEET NO. 25 OF 33 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
002B	08-00355-01-BR	McHENRY	87	57

CONTRACT NO. 63694
[ILLINOIS] FED. AID PROJECT