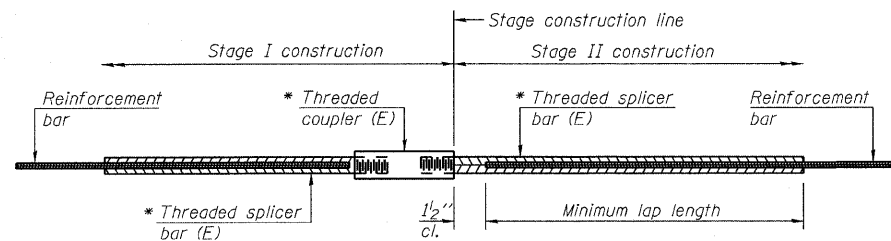


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



**STANDARD BAR SPLICER ASSEMBLY**

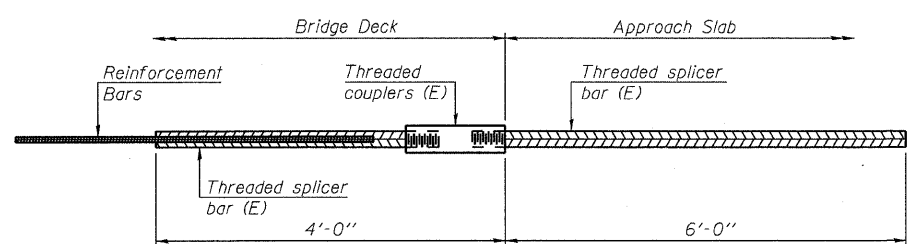
Bar size to be spliced	Minimum Lap Lengths			
	Table 1	Table 2	Table 3	Table 4
3, 4	1'-5"	1'-11"	2'-1"	2'-4"
5	1'-9"	2'-5"	2'-7"	2'-11"
6	2'-1"	2'-11"	3'-1"	3'-6"
7	2'-9"	3'-10"	4'-2"	4'-8"
8	3'-8"	5'-1"	5'-5"	6'-2"
9	4'-7"	6'-5"	6'-10"	7'-9"

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

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

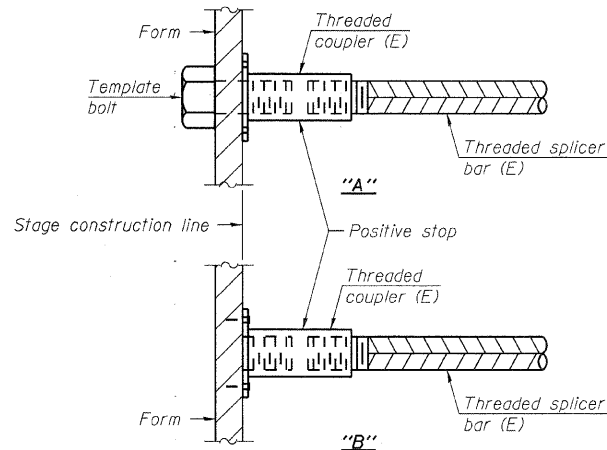
\* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length
Approach Slab	#4	25	Table 4
Approach Footing	#5	40	Table 3
Approach Footing	#5	46	Table 3



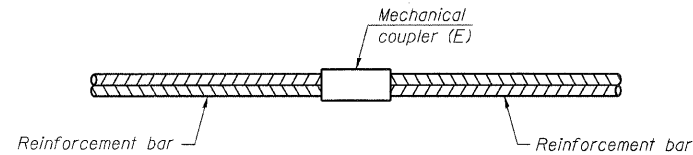
**BAR SPLICER ASSEMBLY FOR #5 BAR ON INTEGRAL OR SEMI-INTEGRAL ABUTMENTS**

No. required =



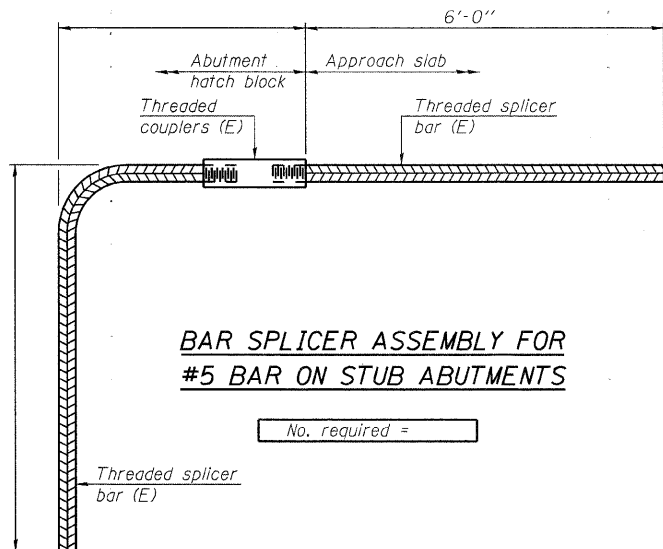
**INSTALLATION AND SETTING METHODS**

"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.



**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 special provision for Mechanical Splicers.  
See approved list of bar splicer assemblies and mechanical splicers for alternatives.

**BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS**  
**I-55 NORTHBOUND OVER ILLINOIS & MICHIGAN CANAL**  
**SEC. 86(VB-I-R, B-R-I, B-I-BR)**  
**WILL COUNTY**  
**STATION 989+92.36**  
**STRUCTURE NO. 099-0289**

DESIGNED	TPP
CHECKED	RJL
DRAWN	JS/SCS
CHECKED	TPP

**ABNA**  
9901 S. Western Ave.  
Chicago, IL 60643  
Ph. 773-881-4788  
F. 773.239.3728  
DESIGN FIRM REG. 184,002117

SHEET NO.	E.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6	55	99(1+2)RS-12	WILL	110	77
6 SHEETS			CONTRACT NO. 60K04		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					