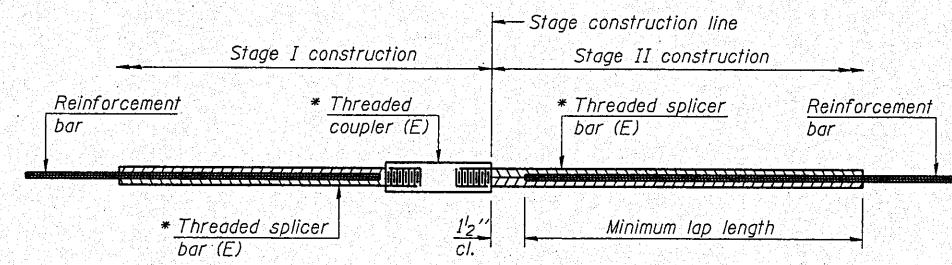


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



STANDARD BAR SPLICER ASSEMBLY

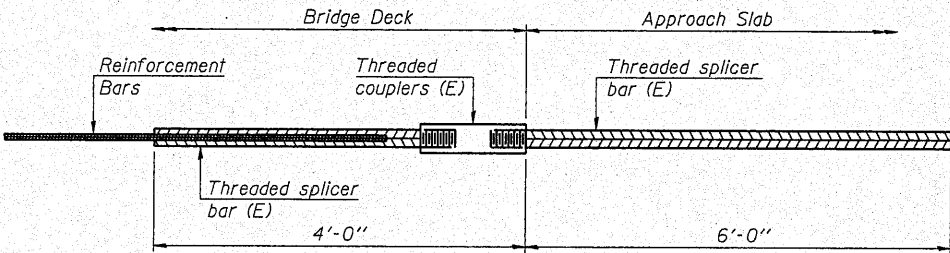
Minimum Lap Lengths				
Bar size to be spliced	Table 1	Table 2	Table 3	Table 4
3, 4	1'-5"	1'-11"	2'-1"	2'-4"
5	1'-9"	2'-5"	2'-7"	2'-11"
6	2'-1"	2'-11"	3'-1"	3'-6"
7	2'-9"	3'-10"	4'-2"	4'-8"
8	3'-8"	5'-1"	5'-5"	6'-2"
9	4'-7"	6'-5"	6'-10"	7'-9"

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

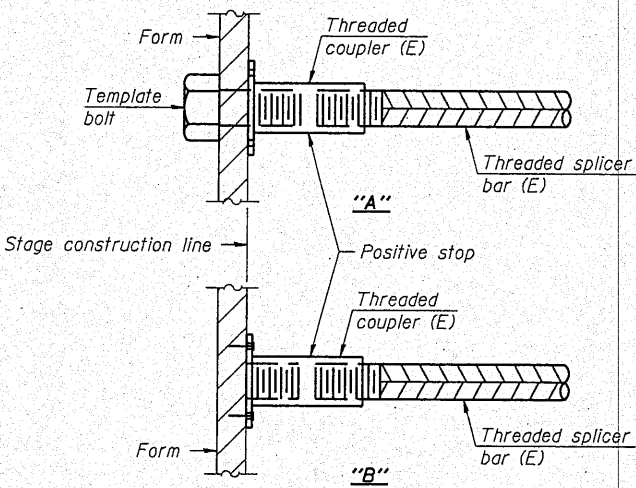
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length
Deck	#5	383	Table 3
Approach Slab	#4	50	Table 4
Approach Slab	#5	172	Table 3
Diaphragm	#6	16	Table 4
Abutments	#7	20	Table 4
Pier	#7	10	Table 4
Pier	#5	22	Table 4



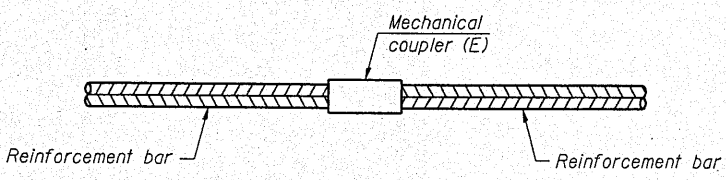
**BAR SPLICER ASSEMBLY FOR #5 BAR ON
INTEGRAL OR SEMI-INTEGRAL ABUTMENTS**

No. required = 72



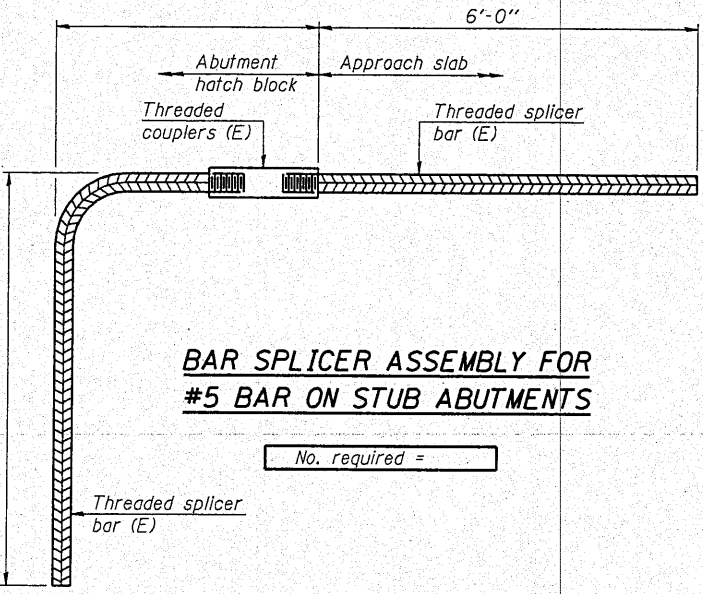
INSTALLATION AND SETTING METHODS

"A" : Set bgr 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
STRUCTURE NO. 036-0070**

MAURER & STUTZ, INC.
ENGINEERS SURVEYORS

DESIGNED - BAS
CHECKED - KEF
DRAWN - SGM
CHECKED - BAS

BSD-1 11-1-09

SHEET NO. 18 22 SHEETS	F.A.P. RTE. 657	SECTION (116-C)BR-1	COUNTY HENDERSON	TOTAL SHEETS 56	SHEET NO. 35
	FED. ROAD DIST. NO. - ILLINOIS		CONTRACT NO. 68761 FED. AID PROJECT		