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

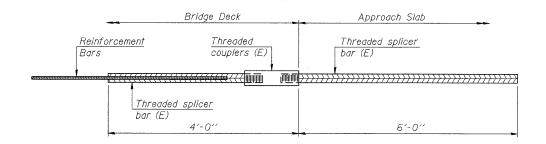
Table 3: Epoxy bar, 0.8 Class C

Table 4: Epoxy bar, Top bar lap, 0.8 Class C

Threaded splicer bar length = min. lap length + 1_2^{l} " + thread length

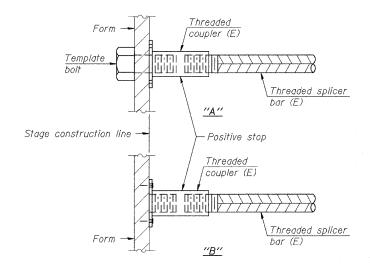
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length



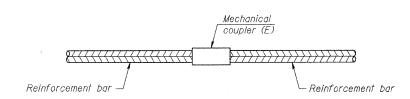
BAR SPLICER ASSEMBLY FOR #5 BAR ON INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

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

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.

	0'-7'2''	6'-0''		
	Abutment	Approach slab		
	hatch block Threaded couplers (E)	Threaded splicer		
1/-0″	BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS No. required = 64 Threaded splicer bar (E)			

BSD-1

11-1-09

FILE NAME = JSER NAME = \$USER\$ DESIGNED -JFG REVISED \$FILEL\$ DRAWN JFG REVISED PLOT SCALE = \$SCALE\$ CHECKED KPS REVISED TENG TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
PLOT DATE = 10-26-2010 DATE 10/27/10

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** GREEN GARDEN TOWNSHIP 88TH AVENUE (PEOTONE ROAD)

BAR SPLICER ASSEMBLY DETAILS

COUNTY TOTAL SHEE NO. SECTION RTE. WILL 43 30 N/A 03-07118-00-BR CONTRACT NO. 63156 FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

SCALE: N.T.S.