

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 top, 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
Top of Top Slab	#5	11	Table 6
Bott. of Top Slab	#5	30	Table 5
Culvert Walls	#5	22	Table 6
Top of Bott. Slab	#5	30	Table 6
Bott. of Bott. Slab	#5	11	Table 5



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.

FILE NAME = I:\1001100_Phose II - 76817\0	ad\S_Plans\0672427-76817.dgn USER NAME = elagemann PLOT SCALE =	DESIGNED - E.M. Lagemann CHECKED - K.L. Hayes DRAWN - E.M. Lagemann	REVISED REVISED REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BAR SPLICER ASSEMBLY AND MECHAN Structure NO. 067–
ENGINEERS	PLOT DATE = 1/25/2013	CHECKED - K.L. Hayes	REVISED		SHEET NO. 14 OF 20 SHE

_	C	ulvert Bott. Slab	Approach Slab		
Reinfor Bars	r <u>cement</u>	Threaded couplers (E)	Threaded splicer bar (E)		
		ed splicer	, 		
-	bar (E)		3'-9''		

BAR SPLICER ASSEMBLY FOR #5 BAR ON PEDESTRIAN CULVERTS

No. required = 40

<u>NOTES</u>

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.

CHANICAL SPLICER DETAILS		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
067–2427	312	68-WRS-1	MONROE	760	427
007-2427			CONTRACT NO. 76		6817
20 SHEETS		ILLINOIS FED. AI	D PROJECT		