<u>NOTES</u>

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars. Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length. All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars. Bar splicer assemblies shall be epoxy coated according to the requirements for

Plan opinion bounds in the second plan bound of the proposed bar splicer assembly satisfies the following requirements:

	BAR SPLIC	ER ASSEMBLI	ES		
-		Strength Requirements			
Bar Size to be Spliced	Splicer Rod or Dowel Bar Length		Min. Pull-Out Strength kips - tension		
#4	1'-8''	14.7	7.9		
#5	2'-0''	23.0	12.3		
#6	2'-7''	33.1	17,4		
#7	3'-5''	45.1	23.8		
#8	4'-6''	58.9	31.3		
#9	5'-9''	75.0	39.6		
# <u>1</u> 0	7'-3''	95.0	50,3		
#11	9'-0''	117.4	61.8		



Template Bolt

Forms -

FOR STUB ABUTMENTS

Stage Construction Line

<u>"A"</u>

d

---Washer Face

<u>"B"</u>

INSTALLATION AND SETTING METHODS

 $^{\prime\prime}A^{\prime\prime}$.Set bar splicer assembly by means of a template bolt. $^{\prime\prime}B^{\prime\prime}$.Set bar splicer assembly by nailing to wood forms or

(E) : Indicates epoxy coating.

cementing to steel forms.

Manual P

innin P

-Foam Pluas

Threaded or Coil Splicer Rods (E)

nforcement 's	Threaded or Coil Loop Couplers (E)		
-		<u>1'2''</u> cl.	
		<u>STA</u>	NDA

Bar Size	No. Assemblies Required	Location
# 5	16	026-0009
#6	8	026-0009
*5	16	026-0010
#6	8	026-0010

Min.	Capacity	-	23.0	kip	s -	tensic	n	
	Pull-out							tension

The diameter of this part is / equal or larger than the diameter of bar spliced.

ROLLED THREAD DOWEL BAR

** ONE PIECE /-- Wire Connector

WELDED SECTIONS

BAR SPLICER ASSEMBLY ALTERNATIVES

**Heavy Hex Nuts conforming to ASTM A 563, Grade C, D or DH may be used.

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ΨΨΨ

The diameter of this part is the same as the diameter

of the bar spliced.

	Bar	· Sj	olicer	fo	r #5	bar		
Min.	Capacity	=	23.0	kip	s	tensic	n	
Min.	Pull-out	Sti	rengtl	7 =	12.3	kips		tension
No.	Required	=						

BSD-1

5-16-08

						SHEET NO. 11 14 SHEETS
FILE NAME =	USER NAME = swortzrw	DESIGNED -	REVISED -		BAR SPLICER ASSEMBLY DETAILS	F.A.I. SECTION COUNTY TOTAL SHEET
c:\pw_work\PW[DOT\SWARTZRW\dms36208\th	ooledesign_94993.dgn	DRAWN ~	REVISED -	STATE OF ILLINOIS		70 D-7 BRIDGE DECK REPAIRS FAYETTE 59 56
	PLOT SCALE = 20.0000 '/ IN.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	SN. 026-0009 AND 026-0010	CONTRACT NO. 94993
	PLOT DATE = 10/17/2008	DATE -	REVISED -		SCALE: N/A SHEET NO. 11 OF 14 SHEETS STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

Stage II Construction

Threaded or Coil	Reinforcement
Splicer Rods (E)	Bars
	<u> </u>

RD

BAR SPLICER ASSEMBLY DETAILS STRUCTURE NO.