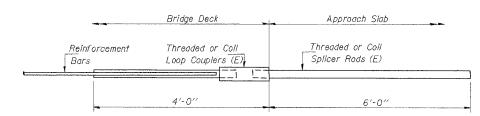
SPLICER DETAIL

#4(F		
11 /12	5	S. Abut.
#5(E	19	S. Abut.
#5	20	S. Abut.

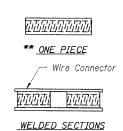


SEMI-INTEGRAL ABUTMENT BAR SPLICER ASSEMBLY DETAIL FOR #5 BAR

Min.	Capacity	=	23.0	kip	s -	tensi	on	
Min.	Pull-out	St	rength	7 =	9.2	kips	-	tension
No.	Required	=	174					

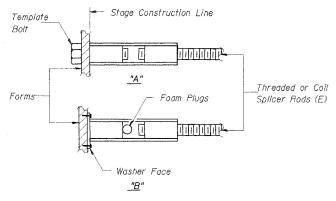
- The diameter of this part is equal or larger than the The diameter of this part diameter of bar spliced. is the same as the diameter of the bar spliced.

ROLLED THREAD DOWEL BAR



BAR SPLICER ASSEMBLY ALTERNATIVES

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



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.

NOTES

COUNTY TOTAL SHEE SHEETS NO.

TO STA. FEB. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

156 135

CONTRACT NO: 8375

F.A.U. SECTION 0369 97-00025-00-BR WILL

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 reinforcement bars.

Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

(Tension III Kips)
Minimum *Pull-out Strength = 1.25 x fs_{allow} x A₁ 2

Where fy = Yield strength of lapped reinforcement bars in ksi.

fs_{allow} = Allowable tensile stress in lapped reinforcement bars in ksi (Service Load) A₁ = Tensile stress area of lapped reinforcement bars.
* = 28 day concrete

	BAR SPLICER ASSEMBLIES								
0	Splicer Rod or Dowel Bar Length	Strength Requirements							
be Spliced			Min. Pull-Out Strength kips - tension						
#5	#5 2'-0" #6 2'-7"		9.2						
#6			<i>#6</i> 2'-7" 33.1 13.3						
#7	3′-5′′	45.1	18.0						
#8	4'-6''	58.9	23.6						

Bar splicer assemblies shall be according to Section 508 of the Standard Specifications, except as noted. The furnishing and installation of bar splicer assemblies will be measured and paid for at the contract unit price each for "BAR SPLICERS."

BAR SPLICER ASSEMBLY DETAILS

VILLAGE OF NEW LENOX SHT. S-26 F.A.U. (0369) CEDAR ROAD OVER HICKORY CREEK REVISIONS WILL COUNTY BAR SPLICER DETAILS SCALE: NO SCALE DRAWN BY: FZD DATE: 07/01/05 CHECKED BY: KPS TENG