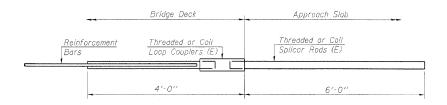
Stage Construction Line

\*\* ONE PIECE



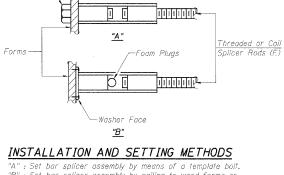
### BAR SPLICER ASSEMBLY ALTERNATIVES

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

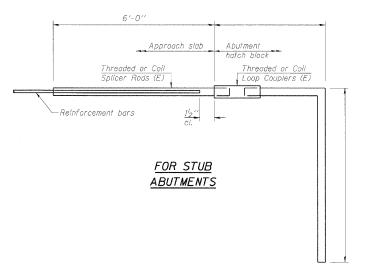


## FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

	Bar	Splicer	for #	5 bar		
Min.	Capacity	= 23.0	Klps -	tensio	n	
Min.	Pull-out	Strength	= 12.	3 kips	-	tension



"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.



	Bar	Splicer	for #	5 bar		
Min.	Capacity	= 23.0	kips -	tensio	n	
Min.	Pull-out	Strength	= 12.	3 kips		tension

NOTES

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: Ominimum Capacity = 1.25 x fy x A,

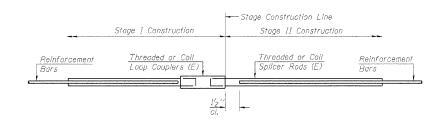
(Tension in kips) = 1.25 x fy x A,

(Minimum \*Pull-out Strength = 0.66 x fy x A,

Minimum \*Pull-out Strength = 0.66 x ty x H<sub>1</sub>
(Tension in kips)

Where fy = Yield strength of lapped reinforcement bars in ksi.
A<sub>1</sub> = Tensile stress area of lapped reinforcement bars.
\* = 28 day concrete

DAD 600 7050 A605H0 750							
BAR SPLICER ASSEMBLIES							
D		Strength Requirements					
	Splicer Rod or Dowel Bar Length		Min. Pull-Out Strength kips - tension				
#4	1'-8''	14.7	7.9				
#5	2'-2"	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				
#10	7′-3′′	95.0	50.3				



## <u>STANDARD</u>

Bar Size	No. Assemblies Required	Location
#5	32	Deck
#6	12	Deck

# BAR SPLICER ASSEMBLY DETAILS STRUCTURE NO. 022-0096

61.8

benesch Engineers · Surveyors · Planners 205 North Michigan Avenue, Suite 2400 Chicago, Illinois 60801 312-866-0450 Job No. 10050

SHEET NO. 9	F.A.I. RTE.	SEC <sup>-</sup>	FION	COUNTY	TOTAL SHEETS	SHEET NO.
STILLT NO.	290 355	22(1, 1-1,	2&3)RS-7	DUPAGE	546	317
9 SHEETS				CONTRACT	NO. 60	G51
FED. ROAD DIST. NO.   ILLINOIS   FED. /				AID PROJECT		

DESIGNED MFB RMG CHECKED KWS

BSD-1

10-1-08