



5 SHEETS

Contract #64CO2

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.

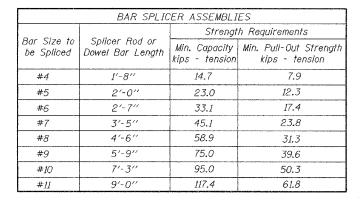
Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

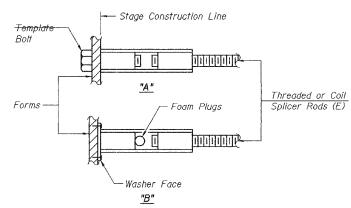
Minimum Capacity (Tension in kips) = 1.25 x fy x A_t

Minimum *Pull-out Strength = $0.66 \times fy \times A_t$ (Tension in kips)

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

 \dot{A}_t = Tensile stress area of lapped reinforcement bars. * = 28 day concrete





BAR SPLICER ASSEMBLY ALTERNATIVES

ROLLED THREAD DOWEL BAR

** ONE PIECE

WELDED SECTIONS

– Wire Connector

The diameter of this part is

equal or larger than the

diameter of bar spliced.

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

The diameter of this part

of the bar spliced.

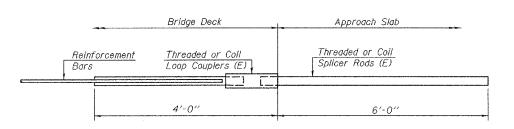
is the same as the diameter

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.

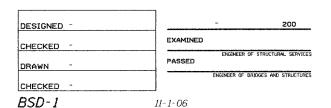
(E): Indicates epoxy coating.

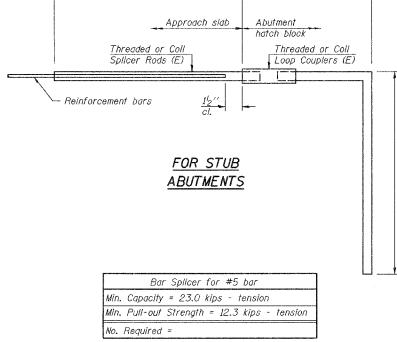
6'-0"

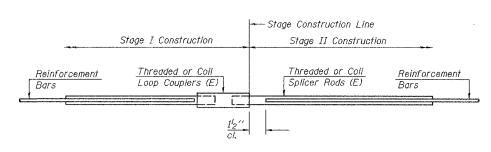


FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

Bar Splicer for #5 bar Min. Capacity = 23.0 kips - tension Min. Pull-out Strength = 12.3 kips - tension Vo. Required =







STANDARD

Bar Size	No. Assemblies Required	Location
#4	55	Deck
#5	3	Deck
#6	6	East Abutmer
Australia es la esta militar de Addingue do de emporario actual.		

Bar Splicer Details Illinois Route 72 over Tributary to Mud Creek FAP Route 549 Section 117BR-M Ogle County Structure No. 071-0068