STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION





INSTALLATION AND SETTING METHODS

"A" : Set bur 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 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.

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 (Lension III NIPS) Minimum *Pull-out Strength = 1.25 x fs_{akow} x A_t \bigcirc (Tension in kips) Where fy = Yield strength of lapped reinforcement bars in ksl. fs_{allow} = Allowable tensile stress in lapped reinforcement bars in ksi (Service Load) $A_{\rm f}$ = Tensile stress area of lapped reinforcement bars. * = 28 day concrete

except as noted.

- 	Bridge Deck	Approach Slab
 Reinforcement Bars	Threaded or Coil Loop Couplers (E)	Threaded or Coll Splicer Rods (E)
	4'-0"	6'-0"

FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

Min.	Capacity	= 23.0	kips -	tensio	7
Min.	Pull-out	Strength	= 9.2	kips -	tensior

DESIGNED	PJL
CHECKED	· LLV
DRAWN	MGM
CHECKED	PJL

HOUTE NO.	SECTION	COUNTY		TOTAL SPEETS	SHEE" NC.	SHEET NO. 17
F.A.P. 315	55-2	MCDONOUGH		1025	473	22 SHEETS
FED. ROAD DIST. NO. 4		ILL INDIS	F£0.010 PR	DJECT~		

NOTES

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

Contract No. 68205

Bar splicer assemblies shall be according to Section 508 of the Standard Specifications,

BAR SPLICER ASSEMBLY DETAILS IL. ROUTE 336 OVER BURLINGTON NORTHERN SANTA FE RAILROAD F.A.P. ROUTE 315 SECT. 55-2 McDONOUGH COUNTY STATION 154+56.74 STRUCTURE NO. 055-0052 (EB) STRUCTURE NO. 055-0053 (WB)

