

... wayne county soldier pile final ii.dgn 10/10/2007 9 12:08 /

BOUTE NG.	SECTION	COUNTY		TUTAL SHEETS	SHEET NO.	SHEET NO. 5
SBI R+. 15B	(17C)B	WAYNE		177	11	6 SHEET
FED, ROND DIST. NO. 7		B.L.INDIS	FED. AID PROJECT-			

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CONTRACT NO. 74092

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.

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

(Tension in Kips) Minimum *Pull-out Strength = 0.66 x fy x A_f Where fy = Yield strength of lapped reinforcement bars in ksi. A_t = Tensile stress area of lapped reinforcement bars. * = 28 day concrete

Splicer f	or #5 bar
= 23.0 k	ips - tension
Strength	= 12.3 kips - tension
= 36	

BAR SPLICER ASSEMBLY DETAILS SBI ROUTE 15B - SECTION (17C)B WAYNE COUNTY STATION 1011+86.00 STRUCTURE NO. 096-2009