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DESIGNED	J.S.B.	Jan 26, 2009
CHECKED	<i>C.C.C</i> .	EXAMINED Thomas & Domagalaki
DRAWN	h.t.duong	PASSED Ralph E. anderson
CHECKED	J.S.B./C.C.C.	ENGINEER OF BRIDGES AND STRUCTURES

Bar

#16

#16

#16

Size

No. Assemblies

Reauired

48

39

53

Location

Top slab

Bottom slab

Walls

ROUTE NO.	SECTION	COUNTY		TOTAL SHEETS	SMEET ND,	SHEET NO.	
F.A.P. 312	101B-1	ALEXANDER		152	90	11	SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-				

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Contract No. 98577

NOTES

Bar splicer assemblies shall be of an approved type and shall develop in tension at least Splicer rods shall be of minimum 400 MPa 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

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

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

BAR SPLICER ASSEMBLIES						
	Strength Requirements					
r Rod or Bar Length	Min. Capacity kN - tension	Min. Pull-Out Strength kN - tension				
20 mm	104	55				
0 mm	149	79				
06 m	203	107				
39 m 268		142				

BAR SPLICER ASSEMBLY DETAILS F.A.P. RTE. 312 - SECTION 101B-1 ALEXANDER COUNTY STATION 5+699.435 STRUCTURE NO. 002-2002