

	Date	Designed	JLK
	Revisions	Drawn	JEH
		Checked	RME
S		Approved	DLC
MO	Date: 7-21-	04	

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URS CORPO

ST. LOUIS

68201							
	ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
	F.A.I. 74	(90-11VB)BY	TAZEWELL	1366	416		
	FED. ROAD	DIST. NO. 7	ILLINOIS FED.	AID PROJE	CT-		

## 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 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

  - fs<sub>allow</sub> = Allowable tensile stress in lapped reinforcement bars in MPa (Service Load)  $A_{tr} = Tensile stress area of lapped reinforcement bars (mm<sup>2</sup>).$ \* = 28 day concrete

BAR SPLICER ASSEMBLIES						
0.11. 0.4	Strength Requirements					
Splicer Rod or Dowel Bar Length	Min. Capacity kN - tension	Min. Pull-Out Strength kN - tension				
610 mm	100	40				
790 mm	150	60				
1.04 m	250	100				
1.37 m	350	140				

Bar splicer assemblies shall be according to Section 508 of the Standard Specifications, except as noted. The furnishing and installation of bar splicer assemblies will be measured and paid for at the contract unit price each for "BAR SPLICERS." All dimensions are in millimeters (mm) except as noted.

BAR SPLICER ASSEMBLY DETAILS	
INTERSTATE 74 AND RAMPS J-4 OVER ALTORFER LANE AND TP&W R.R.	Sheet No.
F.A.I. RTE. 74 SECTION (90-11VB)BR	200

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TAZEWELL COUNTY STATION 152+685.353 STRUCTURE NO. 090-0159 (WB)

> URS Job No. 2100001243.02

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