

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 (Tension in Kips) Minimum *Pull-out Strength = 0.66 x fy x A_t 2

Where fy = Yield strength of lapped reinforcement bars in ksi. # and a stress area of lapped reinforcement bars.
= 28 day concrete

Bar Size to Splicer be Spliced Dowel Bai #4 1'-#5 2' #6 2'-#7 3'-4'-1 #8 5'-#9 7'-#10 9'-#11



WINTER AVE.99-00209-0I-PVVERMILION296125FED. ROAD DIST. NO.ILLINOISPROJECT	ROUTE NO.	SECTION	C	OUNTY	TOTAL SHEETS	SHEET NO.
FED. ROAD DIST. NO. ILLINOIS PROJECT		99-00209-0I-PV	VE	RMILION	296	125
	FED. ROAD DIST. NO.		ILLINOIS	PROJECT		

CONTRACT NO. 91358

<u>NOTES</u>

PAR SPLICER ASSEMBLIES					
-	Strength Requirements				
Rod or ar Length	Min. Capacity kips - tension	Min. Pull-Out Strengt kips - tension			
8′′	14.7	7.9			
-0″	23.0	12.3			
- 71	33.1	17.4			
-5″	45.1	23.8			
-6″	58.9	31.3			
-9''	75.0	39.6			
- 3″	95.0	50.3			
-0′′	117.4	61.8			

No. Assemblies Required	Location

E	BAF	R SPLICER ASSEMBLY DETAILS	
esigned	кwв	CSX TRANSPORTATION R.R. OVER WINTER AVE.	Sheet No.
rawn	MLS	MP OZA 121.6 SECTION 99-00209-01-PV CITY OF DANVILLE, IL	21
hecked	KWB	VERMILION COUNTY STA. 5527+59.81	21
pproved	KWB	PROP. STR. NO. 092-6039	of 24
UR		345 East Ash Avenue, Suite B Decatur, II. 62526	URS Job No. 36430866