

ROUTE NO.	SECTION	COUNTY		TOTAL SHEETS	SHEET NO.
F.A.U. 9181	52BR	ST. CLAIR		41	39
FED. RDAD DIST. NO. 7		ILLINGIS	FED. AID PROJECT-		

SHEET NO. 23 25 sheets

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BAR SPLICER ASSEMBLIES						
	Strength Requirements					
Splicer Rod or wel Bar Length	Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension				
1'-8''	14.7	7.9				
2'-2''	23.0	12.3				
2'-7''	33.1	17.4				
3'-5''	45.1	23.8				
4'-6''	58.9	31.3				
5′-9″	75.0	39.6				
7'-3''	95.0	50.3				
9′-0′′	117.4	61.8				

Bar Size	No. Assemblies Required	Location
#4	60	Appr. Slab
#5	303	Slab
#5	172	Appr. Slab
#5	2	Pier 2
#6	18	Diaphragms

BAR SPLICER ASSEMBLY DETAILS F.A.U. RTE. 9181 - SECTION 52BR STRUCTURE NO. 082-0136