

ROUTE NO. SECTION		COLINYY		TOTAL SHEETS	SHICET NO.	SHEET NO
FAP 308	109BR-5	5 WHITESIDE		83	50	<i>19</i> SHEET
FED. NOAD DIST. NO. 7		ILLINOIS	PED. AID PROJECT-			

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BAR SPLICER ASSEMBLIES						
	Strength Requirements					
Splicer Rod or Dowel Bar Length		Min. Pull-Out Strength kips - tension				
1'-8''	14.7	7.9				
2'-0''	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	
#5	193	Slab	
#7	18	Abutments	
#7	18	Pier Caps	
#5	56	Pier Wall	

BAR SPLICER ASSEMBLY DETAILS F.A.P. ROUTE 308 - SECTION 109BR-5