

A.R.K. & J.A.M. BSD-1 10-1-08

ROUTE NO.	SECTION	COUNTY		TOTAL SHEETS	SHEET NO.
С.Н. З	93-00112- 00-BR	JO DA	VIESS	42	28
ILLINOIS					
Sheet 19 of 19 CONTRACT NO. 85462					

Sheet 19 of 19

NOTES	
approved type and shall develop in tension at least	
e lapped reinforcement bars. ksl yield strength, threaded or coiled full length. d and tied to the splicer rods or dowel bars. v coated according to the requirements for	
be submitted to the Engineer for approval. Approval from an approved testing laboratory that the proposed ving requirements:	

Where fy = Yield strength of lapped reinforcement bars in ksi. A_t = Tensile stress area of lapped reinforcement bars. * = 28 day concrete

BAR SPLICER ASSEMBLIES					
	Strength Requirements				
Splicer Rod or Dowel 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		
#5	34	s.	Approach	Slab
#5	34	N. Approach		Slab

l	BAR SPLICER D	ETAILS		
SECTION 93-00112-00-BR JO DAVIESS COUNTY				
COUNTY HIGHWAY 3 STATION 18+74.60				
4440 ASH GROVE SPRINGFIELD, IL. 62711 (217) 793-8600 www.fehr-graham.com	FEHR-GRAHAM & ASSOC ENGINEERING AND SCIENCE REEPORT, IL RECOVER IL ROCHELLE, IL MO	CONSULTANTS	JOB NO.: FILE: DATE:	46859 SPLICER.dgn 03/24/09