

HENDERSON & ASSOCIATES, INC. ALLEN

				С	ONTRA	ACT N	10. 72784
	ROUTE NO.	SECTION	COUNT	Y	TOTAL SHEETS	SHEET NO.	
	F.A.P. 714		CHRISTIA	٩N	94	80	SHEET NO. 7 OF 8 SHEETS
	FED. ROAD L	DIST. NO.	ILLINOIS	FEL	D. AID PI	ROJECT	
		∗ D-6	IL. 48 IM	PROV	'EMENT 2	2006	
<u>NOTES</u>		6 . 11 . 4	, <u>.</u>				,
a of an approved ty gth of the lapped re um 60 ksi yield stre e lapped and tied to a epoxy coated acco	einforcem ngth, thr o the spli	ent bar eaded o icer rod	s,' r coiled s or do	' fL wel	ill leng bars.	th,	Ť
ign may be submitted t results from an a 'he following require	pproved						
1.25 x fy x At							

Minimum \*Pull-out Strength = 1.25 x fsallowx At

Where fy = Yield strength of lapped reinforcement bars in ksi. fsallo⊯ Allowable tensile stress in lapped reinforcement bars in ksi (Service Load)

9Te					
BAR SPLIC	ER ASSEMBLIES				
<u> </u>	Strength Requirements				
cer Rod or I Bar Length	Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension			
1'-8''	14.7	5,9			
2'-0''	23.0	9.2			
2'-7''	33.1	13.3			
3'-5''	45.1	18.0			
4'-6''	58.9	23.6			
5'-9''	75.0	30.0			
7'-3''	95.0	38.0			
9'-0''	117.4	46.8			

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."

Construction	age Construction L Stage II Construc	
eaded or Coil o Couplers (E)	Threaded or Coll Splicer Rods (E)	rcement
<u> </u>		;

## STANDARD

Bar Size	No. Assemblies Required	Location
#6	15	TOP SLAB
#4	14	TOP SLAB
#4	34	BOTTOM SLAB
#5	12	WALLS
Total	75	

BAR SPLICER ASSEMBLY DETAILS
IL. ROUTE 48 OVER
TRIBUTARY TO BUCKHART CREEK
F.A.P. ROUTE 714 - SECTION
D-6 IL. 48 IMPROVEMENT 2006
CHRISTIAN COUNTY
STA. 110+98.50
<u>S.N. 011-7055</u>