STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION



90/94 FED.RDAD DIS		ILLINOIS	PROJECT	91	100
FAI		соок		u 19	1.86
ROUTE NO.	SECTION	COUNTY		TOTAL SHEETS	SREET NO.

Sheet No 8 of 8 Sheets

* 2005-008F CONTRACT *62580

NOTES

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

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

 fs_{allow} = Allowable tensile stress in lapped reinforcement bars in ksi (Service Load)

BAR SPLICER ASSEMBLIES								
	Strength Requirements							
Splicer Rod or owel Bar Length		Min. Pull-Out Strength kips - tension						
2'-0''	23.0	9.2						
2'-7''	33.1	13.3						
3'-5''	45.1	18.0						
4'-6''	58.9	23.6						

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."

PIER NO. 1

BAR SPLICER ASSEMBLY DETAILS							
REVISIONS No. DATE INITIALS	STATE OF ILLINDIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS	DRAWN BY DATE RLK 5/03 CHECKED BY DATE SDS 5/03					
2 3 4 5 5	FAI RTE 90/94 DAN RYAN EXPRESSWAY SN 016-1110 (NORTHBOUND) SEC 2005-008F COOK COUNTY	900K NUMBER PROJECT NO. 4222-3					
7 8 9 9	HOMER L. CHASTAIN & ASSOCIATES CONSULTING ENGINEERS CONSULTING ENGINEERS	SHEET No.					