

Ι	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Γ	80/94 +		COOK	631	498
STA. FED, ROAD DIST. NO.			TO STA.		
		AD DIST. NO.	ILLINOIS FED. AID PROJECT		
	(2425	& 2626) R-2	CC	NTRACT NO	. 62111

## 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 400 MPa yield strength, threaded or coiled full length. All reinforcement bars shall be lapped and tled 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 bar splicer assembly satisfies the following requirements:

Where fy = Yield strength of lapped reinforcement bars in MPa. fs<sub>allow</sub> = Allowable tensile stress in lapped reinforcement bars in MPa (Service Load) A<sub>1</sub> = Tensile stress area of lapped reinforcement bars (mm<sup>2</sup>).
\* = 28 day concrete

BAR SPLICER ASSEMBLIES									
	Splicer Rod or Dowel Bar Length	Strength Requirements							
te to iced			Min. Pull-Out Strength kN - tension						
Š	640 mm	100	40						
0	790 mm	150	60						
5	1.32 m	250	100						
2	1.85 m	350	140						
5	2.64 m	500	200						

Bar splicer assemblies shall be according to Section 508 of the Standard Specifications, except as nated. The furnishing and installation of bar splicer assemblies will be measured and paid for at the contract unit price each for "BAR SPLICERS."

e 1A (	Construction		-	struction Line 3 Construction	
	ded or Coil Couplers (E	<u>7</u>		ded or Coil Rein r Rods (E) Bar	nforcement S
·		40 cl. STAND	ARD		
N	o. Assembli	ies Require	d		7
Size ≢15		Bar Size #25	Bar Size #30	Locations	
6		8		W. Abutment	**
11	4	14	24	Pier 1	
11	4	14	24	Pier 2	
tt –	6	14	24	Pier 1	**
ti (	6	14	24	Pier 2	**
6		8		E. Abutment	**
80	24			Deck Plan I/II	**
05	24			Deck Plan III/IV	
rovidec	1 in Previou	us Contract	62110, See		]
SHT. BS-56 OF 60 REVISIONS				F.A.I. ROUTE 80 EB & WB INSIDE LA I-80/94 0' STRUCTURE NO. ( SECT	MENT OF TRANSPORTATION /94 (KINGERY EXPRESSWAY) NES (MAINLINE) CONSTRUCTION VER BURNHAM AVENUE DI6-2791 STA. 6+772.591 ION 1977-121-R OOK COUNTY
ship from f the shall		NAME	DATE		LICER DETAILS
e as				DATE: 7/18/2005	CHECKED BY: MJK TENG & ASSOCIATES, INC,
				TENG	ENGINEERS/ARCHITECTS/PLANNERS