

			F.A.I. SECTION	COUNTY	SHEETS	SHEET NO.
			94/90 * STA.	TO STA.	598	391
				INOIS FED. AID	PROJECT	
			62302 · (1818,	ETC, 2324.6-	1P)R-9	
s connectio	on of proposer	i CRC pavemen	t to existing pay	vement at		
term tran	sverse constru	uction joint.	· · · · · · · · · · · · · · · · · · ·			
mblies shall 125 perce	be of an IDOT	approved type strength of	oe and shall deve the lapped rein:	lop in forcement	bars.	
			ot have flanges.			
			threaded or coil		th.	
			splicer rods or			
			to the requirem			
ars.	JU UPUNY UUU.	, so accor any	, o mo roquirem	51110 101		
			the Engineer for oved testing labo			val
licer assen	nbly satisfies t	the following r	equirements:		_, ,,,,,	
ium Capacit	y (Tension in k	sl) = 1.25 x fy	(x A(†)			
um *Pull-ou	t Strength (Te	ension in ksi) =	1.25 x fs (allow)	x A(+)		
ld strengt	n of lapped rei	inforcement b	are in kei			
= Allowable	tensile stress	in lapped reil	nforcement bars nent bars (In²).	in ksi (Sei	rvice L	oad)
ay concret		Sed i annor can				
	BAR SPLICER	ASSEMBLIES				
Bar Size	Splicer Rod	STRENGTH R	EQUIREMENTS Min. Pull-Out			
to be Spliced	or Dowel Bar Length	Min. Capacity (kips)	Strength			
	Longin	tension	(kips)			
			tension			
#5	2'-0''	23.0	9.2			
	2'-0'' 2'-7'' 3'-5''					
#5 #6 #7 #8	2'-7'' 3'-5'' 4'-6''	23.0 33.1 45.1 58.9	9.2 13.3 18.0 23.6			
#5 #6 #7	2'-7'' 3'-5''	23.0 33.1 45.1	9.2 13.3 18.0			
#5 #6 #7 #8 #9	2'-7" 3'-5" 4'-6" 5'-9"	23.0 33.1 45.1 58.9 75.0	9.2 13.3 18.0 23.6 30.0	rd Specific	ations	
#5 #6 #7 #8 #9	2'-7" 3'-5" 4'-6" 5'-9"	23.0 33.1 45.1 58.9 75.0	9.2 13.3 18.0 23.6	rd Specific	ations,	
#5 #6 #7 #8 #9 mblies shall 1.	2'-7" 3'-5" 4'-6" 5'-9" be according paid for sepa	23.0 33.1 45.1 58.9 75.0 to Section 50. trately but inc	9.2 13.3 18.0 23.6 30.0 8 of the Standar	t of	ations,	
#5 #6 #7 #8 #9 mblies shall 1. thall not be INFORCED P0	2'-7" 3'-5" 4'-6" 5'-9" be according paid for sepa RTLAND CEMENT	23.0 33.1 45.1 58.9 75.0 to Section 50 rately but inc PAVEMENT, of	9.2 13.3 18.0 23.6 30.0 8 of the Standar Sluded in the cos the thickness sp	t of ecified.		
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