

	ROUTE ND.	SECTION	COUNTY		TOTAL SHEETS	SHEET NO.	SHEET 1	NO.	22
	F.A.S. 287	*	GRL	INDY	33	27	25 sheets		
	FED. ROAD DIST. NO. 7 ILLINDIS FIL		FED. AID PR	ED. AID PROJECT-					
(	Contract	#873	76	*05-00	039-03	3-BR			

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BAR SPLICER ASSEMBLIES						
		Strength Requirements				
	Splicer Rod or Dowel Bar Length		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	740	Slab
#6	24	Diaphragms
#7	16	Abutments
#5	6	Abutments
#7	14	Piers
#5	124	Piers

Management of the second se						
ILLINOIS DEPARTMENT OF TRANSPORTATION						
SHEET TITLE						
BAR SPLICER ASSEMBLY DETAI	LS					
F.A.S. RT. 287 (C.H. 29) SECTION 05-00039-03-BR GRUNDY COUNTY STATION 126+42.00 STRUCTURE NO. 032-3101	PROJECT NO. 05042 SCALE 10/21/09 DRAWN BY TFG CHECKED BY MCB/CME DRAWNO, NO.					
COOMBE-BLOXDORF P.C.	DRHWING NO.					
Engineers / Land Surveyors Springfield, Illinois	22					
Design Firm License No. 184-002703	OF 25 SHTS					