

Bar Size	No. Assemblies Required	Location
#5 (#15) #8 (#25)	51 14	Pier 2
#5 (#15) #8 (#25)	65 12	Pier 3
#5 (#15) #8 (#25)	4 12	Pier 4
#5 (#15) #8 (#25)	4 12	Pier 5
#5 (#15) #8 (#25)	4 12	Pier 12
#5 (#15) #8 (#25)	4 12	Pier 13
#5 (#15) #8 (#25)	4 12	Pier 14
#5 (#15) #8 (#25)	4 12	Pier 15

Bar Size	No. Assemblies Required	Location		
#5 (#15) #6 (#20) #8 (#25)	11 4 8	South Abutment		
#5 (#15) #6 (#20) #8 (#25)	9 4 8	North Abutment		
#5 (#15)	1801	Deck - Unit I		
#5 (#15)	12	Deck - Unit II		
#5 (#15)	1018	Deck - Unit III		
#5 (#15)	736	Deck - Unit IV		



	Bai	- 5	plicer	for	#5	(#15	5) ba	r			
Min,	Capacity	.=	23.0	(102	2.3 k	N)	kips	-	tens	sio	n
Min.	Pull-out	St	rength	=	12.3	kips	(54,	.7	kN)	-	tension
No.	Required	27	136								



BSD-1 10-1-08

<u>STANDARD</u>

All dimensions shown in Parathesis (mm) are in mm, except as noted.

2'-8'' (813)

SHEET SA 65 of SA110	F.A.U. RTE, SECTION		COUNTY	TOTAL	SHEET
SHEET SHOO OF SHID	3578	15V B-1-R-1	соок	243	160
	STA.		TO STA.		
	FED. RO	AD DIST. NO.	ILLINOIS FED.	AID PROJ	ECT
	·····		CONTI	RACT NO.	62388
forcement bars. Tay yield strength, threaded or coile the splicer rods or dowel bars. rding to the requirements for to the Engineer for approval. Appi roved testing laboratory that the pi ents:	roval	-			
fy x A _t					
ent bars in ksi (MPa).					

NOTE

BAR SPLICER ASSEMBLIES						
Splicer Rod or	Strength Requirements					
owel Bar Length	Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension				
2'-2'' (660)	23.0 (102.3 kN)	12.3 (54.7 kN)				
2'-7'' (787)	33.1 (147.2 kN)	17.4 (77.4 kN)				
4'-6'' (1372)	58.9 (262.0 kN)	31.3 (139.2 kN)				

BAR SPLICER ASSEMBLY DETAILS

REVISIONS	ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME DATE	TEELINGID DEFAITMENT OF TRANSFORTATION
	BAR SPLICER ASSEMBLY DETAILS
	SOUTHWEST HIGHWAY OVER
	B&O RAILROAD AND STONY CREEK
	FAU 3578 SECTION 15V B-1-R-1
	STRUCTURE NUMBER 016-2771
	COOK COUNTY STATION 4+716.497
	SCALE: NONE DRAWN BY: M. Tryon
	DATE: 6/17/09 CHECKED BY: A. Yarglooglu