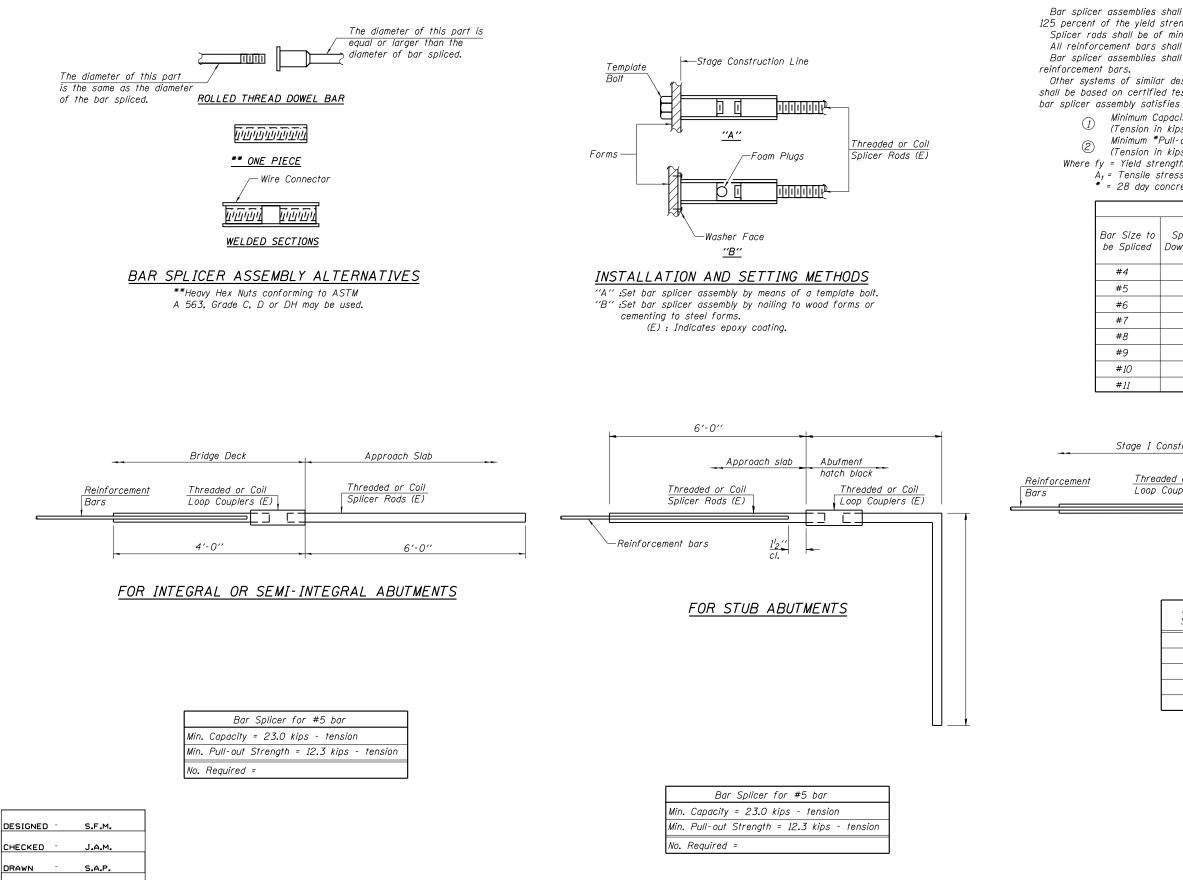
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION



 CHECKED
 S.F.M. & J.A.M.

 BSD-1
 5-16-08

		ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		F.A.I. 57	••	IROQUOIS	190	53	
		FED. ROAD D	IST. NO. I	LLINOIS			
	••(38-4)RS-2, (38-4)BR CONTRACT NO. 66757						
		Sheet 8	of 11 S	heets			
<u>NOTES</u> shall be of an approved type and shall develop in tension at least strength of the lapped reinforcement bars. minimum 60 ksi yield strength, threaded or coiled full length. shall be lapped and tied to the splicer rods or dowel bars. shall be epoxy coated according to the requirements for							
design may be submitted to the Engineer for approval. Approval d test results from an approved testing laboratory that the proposed fies the following requirements: pacity							
pacity = 1.25 x fy x A, kips) = 1.25 x fy x A, Pull-out Strength = 0.66 x fy x A, kips) = 0.66 x fy x A, ress area of lapped reinforcement bars. pacrete							
BAR SPLICER ASSEMBLIES							
	Strengt	h Requirements					
Splicer Rod or Dowel Bar Length	Min. Capacity kips - tension	Min. Pull-Out St kips - tens	~				
1'-8''	14.7	7.9					
2'-0''	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					
ded or Coil Couplers (E)		ed or Coil Rods (E)	<u>Reinfo</u> Bars	prcement			
<u>1'2''</u> cl.	_						
<u>STANDARD</u>							

Bar Size	No. Assemblies Required	Location
#5	88	Bot. Slab
#6	94	Top Slab
#6	48	Walls

