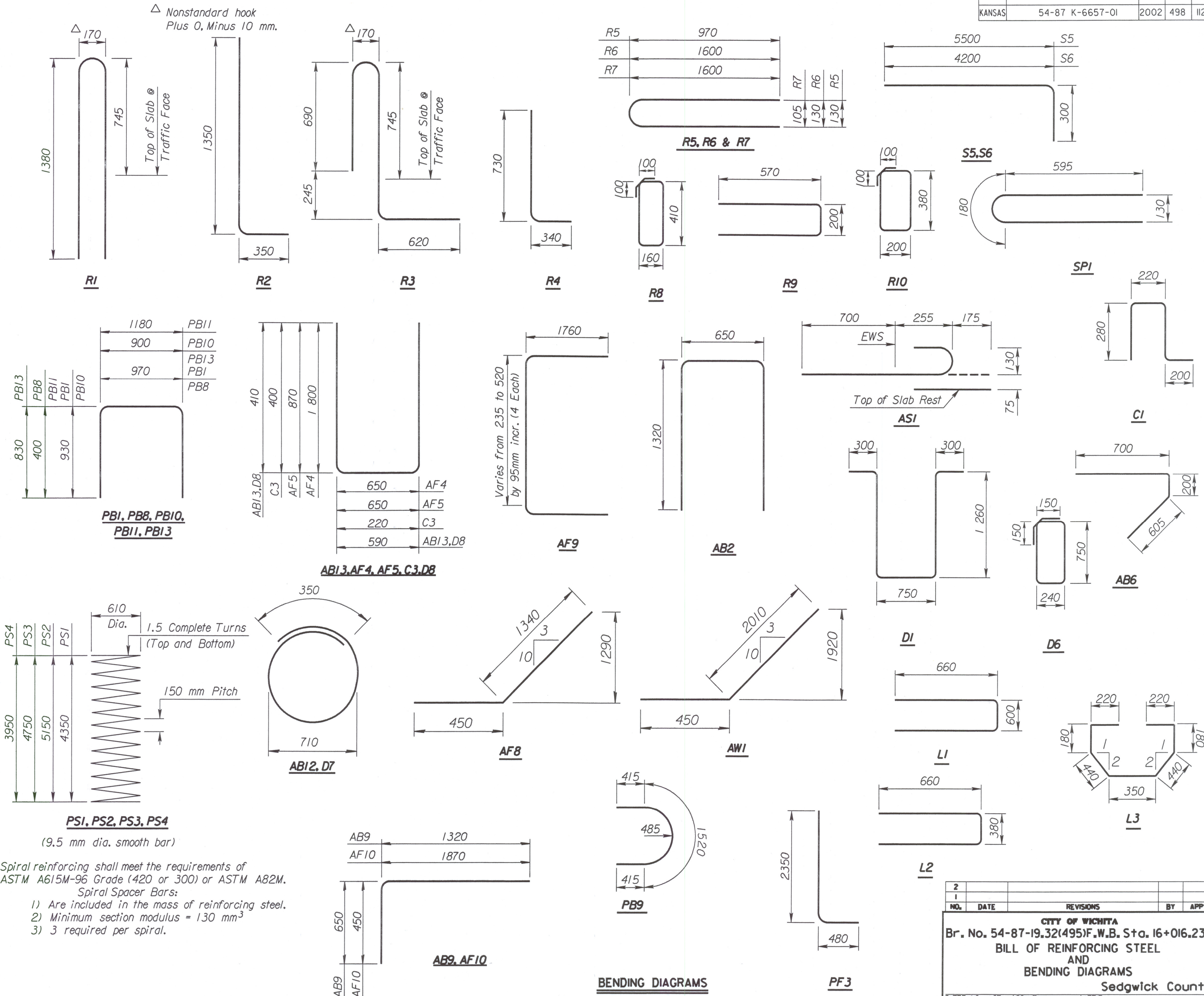


STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	54-87 K-6657-01	2002	498	1122

**BILL OF REINFORCING STEEL
Grade 420**

	Straight Bars				Bent Bars						
	Mark	Size	Number	Length	Mark	Size	Number	Length			
Abutment (Epoxy)	Superstructure	AB1	25	8	11 900	AB2	13	68	3290		
		AB3	13	2	11 900	AB6	13	82	1505		
		AB4	19	20	1440	AB9	16	30	1970		
		AB5	19	30	1830	ABI2	16	4	2580		
		AB7	19	24	1500	ABI3	16	8	1410		
		AB8	19	10	11 900	ASI	16	82	1130		
		ABI0	19	12	560	AWI	19	36	2460		
		ABI1	19	8	370						
		AW2	13	16	1040						
		AW3	13	120	1340						
Substr.		AF1	25	8	11 900	AF4	13	58	4250		
		AF2	22	8	11 900	AF5	13	52	2390		
		AF3	19	12	11 900	AF8	19	20	1790		
		AF6	13	28	950	AF9	13	16	Var.		
		AF7	16	40	1500	AF10	16	20	2320		
		Superstructure (Epoxy)	Diaphragm, Slab and Roll	C2	13	8	6150	C1	13	24	980
				D2	19	96	1200	C3	13	18	1020
				D3	13	120	1830	D1	13	128	3870
				D4	19	80	1440	D6	13	24	2280
				D5	13	16	640	D7	16	8	2580
R11	19			12	2850	D8	16	16	1410		
R12	19			432	2900	R1	22	68	2830		
R13	19			12	2700	R2	22	4	1700		
S1	16			86	15 420	R3	22	560	2340		
S2	16			215	15 950	R4	13	560	1070		
S3	16	82	11 650	R5	16	8	1990				
S4	16	447	11 400	R6	16	8	3250				
T1	16	417	11 900	R7	13	4	3240				
T2	16	521	11 900	R8	10	1002	1340				
				R9	10	560	1 340				
				R10	10	148	1 360				
				S5	16	80	5800				
				S6	16	82	4500				
				SPI	16	350	1370				
				L1	16	8	1920				
				L2	16	4	1700				
				L3	13	4	2030				
Substructure (Non-Epoxy)	Pier Beam	PB2	29	8	10 690	PBI	16	256	2830		
		PB3	29	8	11 460	PB8	16	16	1770		
		PB4	19	24	10 690	PB9	19	40	2350		
		PB5	29	8	11 660	PBI0	16	8	2760		
		PB6	29	8	11 460	PBI1	16	16	1980		
		PB7	29	8	10 690	PBI3	16	8	2560		
		PBI2	29	8	11 660						
		PBI4	19	256	1000						
		PF1	22	232	1680						
		PF2	22	44	2110	PF3	29	120	2830		
Substructure Footings	PC1	29	30	5420	PS1	9.5 Dia.	3	4350			
	PC2	29	30	6220	PS2	9.5 Dia.	3	5150			
	PC3	29	30	5820	PS3	9.5 Dia.	3	4750			
	PC4	29	30	5020	PS4	9.5 Dia.	3	3950			
	W1	16	156	4200							
	W2	16	56	2820							
	W3	16	56	3620							
W4	16	56	3220								
W5	16	56	2420								
W6	16	156	1030								
W7	16	78	2040								



Spiral reinforcing shall meet the requirements of ASTM A615M-96 Grade (420 or 300) or ASTM A82M.
Spiral Spacer Bars:
1) Are included in the mass of reinforcing steel.
2) Minimum section modulus = 130 mm³
3) 3 required per spiral.

Std. Base File : /urs7/ishidab/br60/bsi.dgn
Server File : /usr2/
Server : witch
View = PLOT4
Plotted By : will
Plot File : /i:/1997/97362/001/bridge/cowskin/WESTBOUND/REINSTEEL/REINSTEEL.PLOT
Plot Date : 3-18-2002

* See Bending Diagram

2					
NO.	DATE	REVISIONS	BY	APP'D	
CITY OF WICHITA Br. No. 54-87-19.32(495)F.W.B. Sta. 16+016.230 BILL OF REINFORCING STEEL AND BENDING DIAGRAMS Sedgwick County					
SHEET NO.	OF	SCALE	APP'D	QUANTITIES	GFK
DESIGN CL.	SMS	DETAIL CL.	QUAN. CL.	CADD	CADD CL.