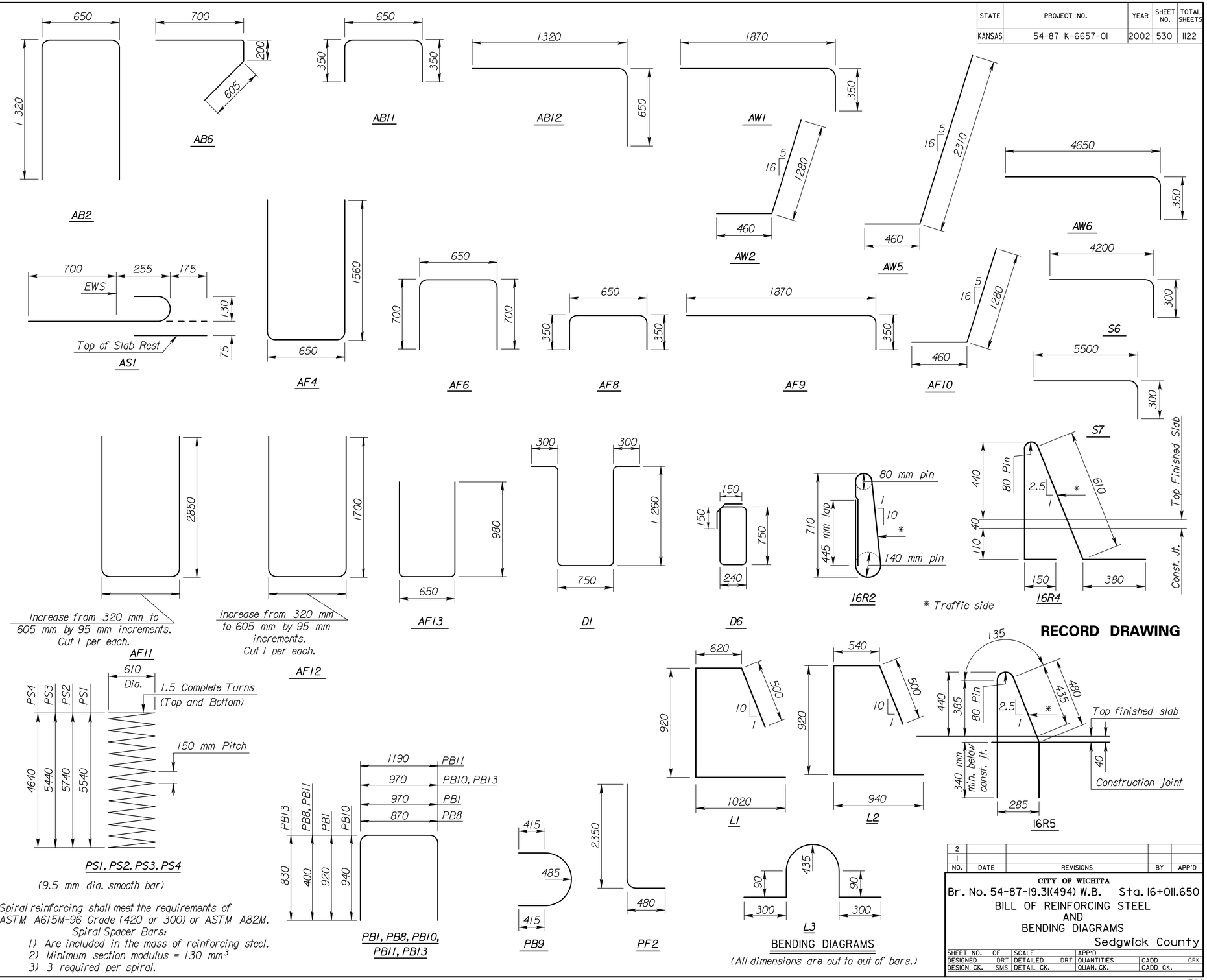
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	54-87 K-6657-01	2002	530	1122

BILL OF REINFORCING STEEL
Grade 420

		Straight Bars			Bent Bars			
		Mark	Size	Number	Length	Mark	Size	Number	Length
Abutment No. 1 (~~Epoxy~~) (Epoxy)	Superstructure	AB1	25	4	17 830	AB2	13	50	3290
		AB3	19	16	1500	AB6	13	58	1505
		AB4	19	14	1620	AB11	16	6	1350
		AB5	19	21	2010	AB12	16	20	1970
		AB7	13	2	9150	AS1	16	58	1130
		AB8	19	5	17 830	AW1	16	12	2220
		AB9	19	4	650	AW2	19	5	1740
		AB10	19	6	840				
		AW3	13	8	1340				
		AW4	13	4	1040				
(Non-Epoxy)	Substructure	AF1	25	4	17 830	AF4	13	120	3770
		AF2	22	4	17 830	AF6	13	10	2050
		AF3	19	16	17 830	AF8	16	10	1350
		AF5	13	20	2200	AF9	16	10	2220
		AF7	16	120	1500	AF10	19	10	1740
						AF11	13	4	Var.
Abutment No. 2 (~~Epoxy~~) (Epoxy)	Superstructure	AB1	25	4	17 830	AB2	13	50	3290
		AB3	19	16	1500	AB6	13	58	1505
		AB4	19	14	1620	AB11	13	6	1350
		AB5	19	21	2010	AB12	16	20	1970
		AB7	13	2	9150	AS1	16	58	1130
		AB8	19	5	17 830	AW5	19	5	2770
		AB9	19	4	650	AW6	16	12	5000
		AB10	19	6	840				
		AW3	13	30	1340				
		AW4	13	4	1040				
(Non-Epoxy)	Substructure	AF1	25	4	17 830	AF6	13	10	2050
		AF2	22	4	17 830	AF8	16	6	1350
		AF3	19	8	17 830	AF9	16	6	2220
		AF5	13	20	1050	AF10	19	6	1740
		AF7	16	120	1500	AF12	13	4	Var.
						AF13	13	120	2610
Superstructure (Epoxy)	Diaphragm, Slab and Rails	D2	19	128	1200	D1	13	176	3870
		D3	13	168	2010	D6	13	24	2280
		D4	19	112	1620				
		D5	13	16	640	L1	16	4	3060
						L2	16	4	2900
		S1	16	128	15 420	L3	13	8	2150
		S2	16	320	15 950				
		S3	16	120	11 650	S6	16	118	4500
		S4	16	420	11 400	S7	16	120	5800
		S5	19	236	11 400				
						R2	16	747	1980
		T1	16	443	17 800	R4	16	709	1795
		T2	16	563	17 800	R5	16	38	1740
		R1	13	54	12 760				
		R3	19	7	15 740				
		R6	13	54	12 200				
		R7	19	7	16 480				
Substructure (Non-Epoxy)	Pier Beam	PB2	29	8	16 730	PB1	16	344	2810
		PB3	29	8	17 500	PB8	16	16	1670
		PB4	19	24	16 730	PB9	19	40	2350
		PB5	29	8	17 700	PB10	16	32	2850
		PB6	29	8	17 500	PB11	16	16	1990
		PB7	29	8	16 730	PB13	16	32	2630
		PB12	29	8	17 700				
		PB14	19	352	1000				
	Col./Ftgs.	PF1	22	416	1910	PF2	29	208	2830
		PC1	29	52	6610	PS1	9.5 Dia.	4	5540
		PC2	29	52	6810	PS2	9.5 Dia.	4	5740
		PC3	29	52	6510	PS3	9.5 Dia.	4	5440
		PC4	29	52	5710	PS4	9.5 Dia.	4	4640
		W1	16	300	4200				
		W2	16	84	4300				
		W3	16	84	4550				
		W4	16	84	4250				
		W5	16	84	3400				
		W6	16	200	1030				
		W7	16	200	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.

NO.	DATE	REVISIONS	BY	APP'D
2				
1				

CITY OF WICHITA
Br. No. 54-87-19.31(494) W.B. Sta. 16+011.650
BILL OF REINFORCING STEEL
AND
BENDING DIAGRAMS
Sedgwick County

SHEET NO.	OF	SCALE		APP'D			
DESIGNED	DRT	DETAILED	DRT	QUANTITIES		CADD	GFK
DESIGN CK.	SMS	DETAIL CK.		QUAN. CK.		CADD CK.	

Plotted By : gdr | Std. Base File : /usr1/sihslab/br60bsi.dgn
Plot File : h:/1997/97362/As-Builts/dgn's/Vol_3/Sh 530-K001T_STD-reinf stlml.dgn Last Rev: 9-5-07 By: gdr
Plot Date : Sept. 07