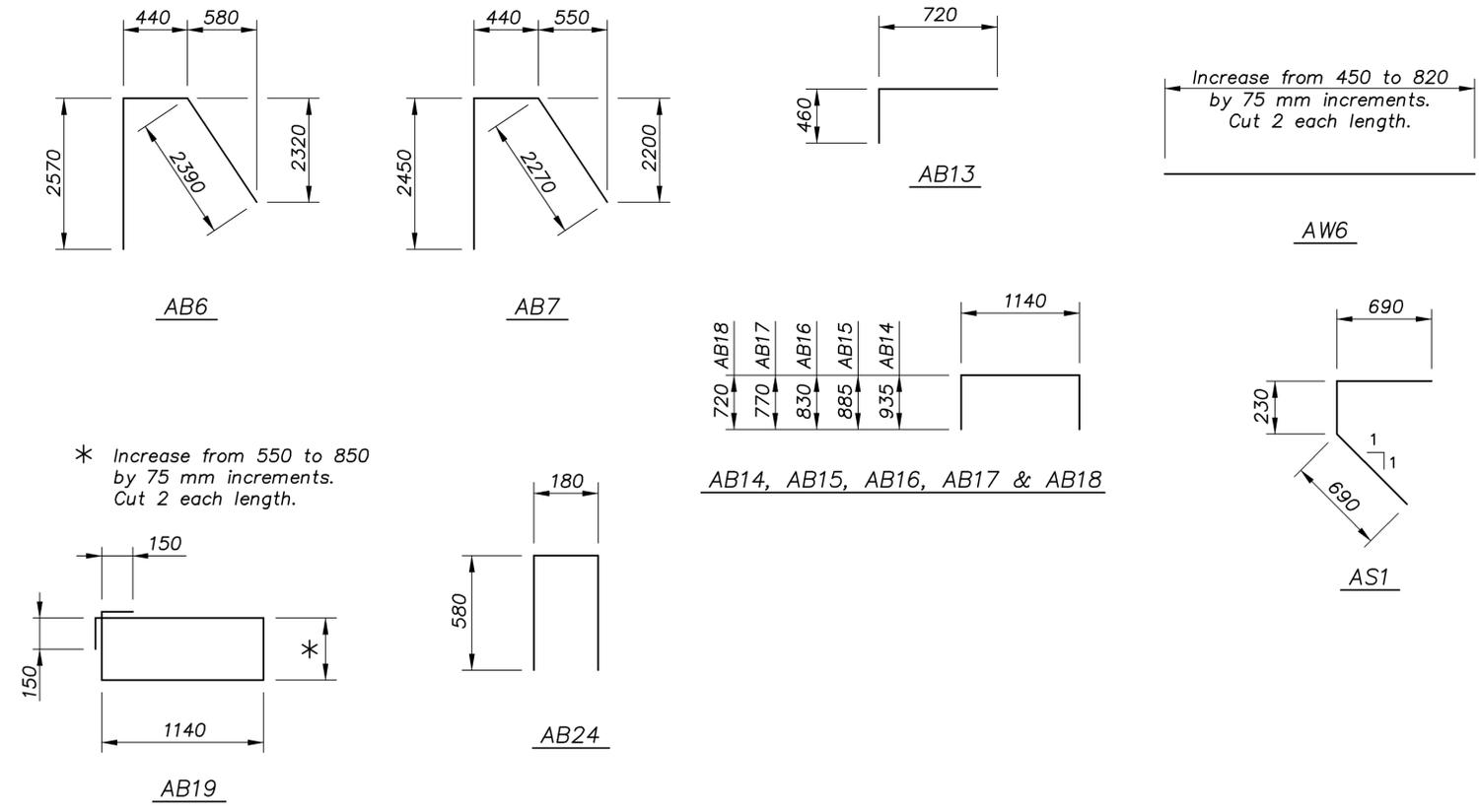


STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	54-87 K-8258-01	2007	287	556

BILL OF REINFORCING STEEL

	STRAIGHT BARS				BENT BARS			
	MARK	SIZE	NO.	LENGTH	MARK	SIZE	NO.	LENGTH
ABUTMENT NO. 1	AB1	25	12	10 850	AB6	25	6	5400
	AB2	25	24	6800				
	AB3	25	12	6250	AB13	19	120	1180
	AB5	25	12	4865				
					AB14	16	42	3010
	AB8	19	4	10 850	AB15	16	46	2910
	AB9	19	8	6800	AB16	16	46	2800
	AB10	19	4	6250	AB17	16	72	2680
	AB12	19	2	4865	AB18	16	34	2580
	AW1	19	44	10 850	AB19	16	5	Varies
	AW2	19	88	6800	AS1	16	17	1610
	AW3	19	44	6250				
	AW5	19	55	4865	AB24	13	99	1340
	AW6	19	6	Varies				
	AW8	19	19	8380				
	AW11	19	17	8130				
	AW16	19	1	7220				
	AW20	19	21	6920				
	AW21	19	23	6850				
	AW22	19	23	6720				
	AW24	19	33	6560				
	AW27	19	103	6350				
	AS3	16	2	4865				
	AS4	16	2	480				
	AB21	13	2	10 850				
AB22	13	4	6800					
AB23	13	2	6250					
ABUTMENT NO. 2	AB1	25	12	10 850	AB7	25	6	5160
	AB2	25	24	6800				
	AB3	25	12	6250	AB13	19	120	1180
	AB4	25	12	4935				
					AB14	16	42	3010
	AB8	19	4	10 850	AB15	16	46	2910
	AB9	19	8	6800	AB16	16	46	2800
	AB10	19	4	6250	AB17	16	72	2680
	AB11	19	2	4935	AB18	16	34	2580
	AW1	19	41	10 850	AB19	16	5	Varies
	AW2	19	84	6800	AS1	16	17	1610
	AW3	19	42	6250				
	AW4	19	53	4935				
	AW6	19	6	Varies				
	AW12	19	19	8020				
	AW14	19	17	7770				
	AW21	19	1	6850				
	AW23	19	21	6610				
	AW25	19	23	6520				
	AW26	19	23	6430				
	AW27	19	33	6350				
	AW29	19	103	6040				
	AS2	16	2	4935				
	AS4	16	2	480				
	AB20	13	198	1150				

BENDING DIAGRAMS
(All dimensions are out to out of bars)



1:100
ROCK/REINF

KANSAS DEPARTMENT OF TRANSPORTATION
BR. NO. 54-87-31.12(702) STA. 3+877.518
BILL OF REINFORCING STEEL
SUBSTRUCTURE (WEST BOX)
ROCK ROAD OVER KELLOGG AVENUE
Proj. No. 54-87 K-8258-01 SEDGWICK COUNTY

CFS
Cook, Flatt & Strobel
ENGINEERS, P. A.
DESIGNED R.S.C. SCALE
DETAILED T.R.G. DATE
QUANTITIES T.R.G. SHEET 41 OF 41