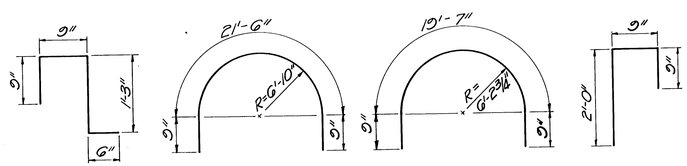
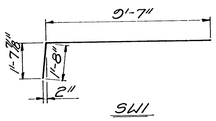
PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
DAKB 576042	1977	5	17

REINFORCING STEEL

STRAIGHT BARS				STRAIGHT BARS				STRAIGHT BARS				BENT BARS			
Mark	No.	Size	Length	Mark	No.	Size	Length	Mark	No.	Size	Length	Mark	No.	Size	Length
A1	88	#8	14'-11"	PR1	24	#4	16'-1"	S35	12	#6	53'-0"	C1	528	#4	3'-3"
A2	88	#6	14'-11"	PR2	584	#4	4'-0"	S36	28	#8	31'-0"	C4	8	#6	23'-0"
A3	44	#4	43'-8"	PR3	48	#4	7'-11"	S37	16	#7	31'-0"	C5	4	#6	21'-1"
				PR4	24	#4	7'-8"	S38	42	#8	27'-0"	C7	68	#5	3'-6"
				PR5	48	#4	2'-8"	S39	16	#6	27'-0"				
A01	176	#8	3'-0"	PR7	48	#6	4'-0"	S40	48	#8	21'-0"				
								S41	12	#6	21'-0"	F1	102	*	*
								S42	44	#4	22'-0"				
AF1	10	#6	44'-8"	S1	52	#4	25'-6"	S43	16	#9	53'-0"				
AF2	60	#4	2'-2"	S2	28	#5	30'-3"	S44	6	#7	53'-0"	OP15	4	#4	23'-1"
				S3	32	#10	49'-0"	S45	14	#9	32'-0"	OP19	8	#4	11'-3"
				S4	28	#10	35'-6"	S46	8	#7	32'-0"				
C2	8	#6	39'-3"	S5	28	#10	28'-0"	S47	8	#7	27'-0"				
C3	16	#6	36'-8"	S6	32	#10	22'-0"	S48	6	#7	21'-0"	PB1	696	#9	28'-1"
C6	8	#5	16'-1"	S7	28	#5	17'-6"	SR2	2	#4	29'-8"	PB4	136	#5	7'-0"
				S8	32	#10	48'-6"								
				S9	28	#10	35'-0"	T1	114	#4	30'-0"				
OP1	56	#5	*	S10	28	#9	28'-0"	T2	228	#5	43'-8"	PR6	48	#4	9'-0"
OP2	20	#7	8'-3"	S11	32	#9	23'-6"					PR8	24	#4	5'-1"
OP3	8	#5	13'-5"	S12	14	#5	20'-6"								
OP4	4	#5	13'-0"	S13	26	#4	7'-0"	TR1	176	#7	9'-4"				
OP5	4	#5	12'-5"	S14	20	#4	30'-0"	TR2	368	#7	21'-9"	S49	44	#6	15'-0"
OP6	4	#5	11'-7"	S15	20	#9	49'-0"	TR3	88	#7	*	S50	44	#6	13'-0"
OP7	4	#5	10'-6"	S16	20	#8	35'-6"	TR4	16	#7	16'-7"	S51	84	#5	12'-10"
OP8	4	#5	9'-1"	S17	20	#8	28'-0"					SR1	60	#4	2'-9"
OP9	4	#5	7'-2"	S18	20	#8	22'-0"					SW1	406	#4	11'-3"
OP10	4	#4	8'-10"	S19	20	#4	17'-0"	W1	12	#7	20'-3"	W3	56	#4	5'-11"
OP11	4	#4	11'-4"	S20	20	#8	48'-6"	W2	4	#7	19'-0"	W7	64	#9	10'-5"
OP12	4	#4	12'-3"	S21	20	#8	35'-0"	W4	68	#9	17'-9"	W8	68	#9	7'-7"
OP13	4	#4	13'-3"	S22	20	#7	28'-0"	W5	44	#4	17'-9"				
OP14	32	#4	*	S23	20	#7	23'-6"	W6	104	#4	17'-8"				
OP16	8	#4	11'-9"	S24	10	#4	20'-0"								
OP17	8	#4	21'-4"	S25	32	#10	46'-0"								
OP18	8	#4	41'-0"	S26	12	#8	46'-0"	WF1	44	#4	7'-0"				
OP20	24	#4	*	S27	28	#10	29'-6"	WF2	132	#6	10'-2"				
				S28	16	#8	29'-6"	WF3	48	#7	16'-1"				
				S29	28	#10	35'-0"	WF4	12	#4	16'-1"				
PB2	48	#9	25'-3"	S30	16	#8	35'-0"								
PB3	104	#5	44'-0"	S31	32	#9	22'-6"								
PB5	24	#9	24'-0"	S32	12	#8	22'-6"								
				S33	44	#4	23'-6"								
				S34	32	#8	53'-0"								

* See Bending Diagrams



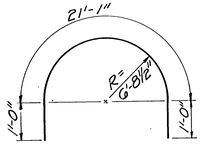


SW11

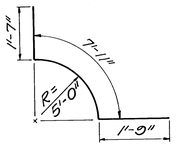


SR1

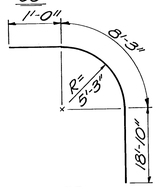
C1



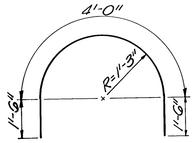
C4



C5



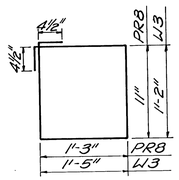
C7



OP15

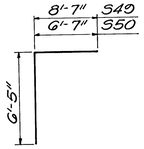


OP19



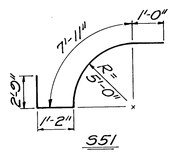
PRG

PR8 & W3



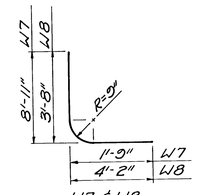
S49 & S50

PB1



S51

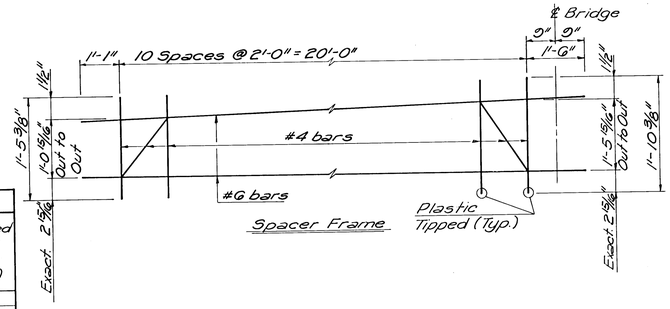
PB4



W7 & W8

Increase from 1'-9" to 2'-7" by 1" Increments (8 Each Length)	TR3
Increase from 1'-6" to 4'-0" by 1'-3" Increments (8 Each Length)	OP20
Increase from 5'-9" to 7'-9" by 8" Increments (8 Each Length)	OP14
Increase from 5'-0" to 8'-9" by 7½" Increments (8 Each Length)	OP1

TR3, OP20, OP14 & OP1



BENDING DIAGRAMS

(All dimensions are out to out of bars)

SUMMARY OF QUANTITIES

Item / Location	Excavation (Cu. Yds.) Class I	Excavation (Cu. Yds.) Class II	Class I Concrete (Cu. Yds.)	1½" Latex Surface Course (Sq. Yds.)	Reinforcing Steel (Lbs.)	Concrete Piles (Lin. Ft.)	Metal Handrail (Lin. Ft.)	Linseed Oil Surface Treatment (Sq. Yds.)	Electric Lighting System (Lump Sum)	Removal of Existing Structure (Lump Sum)	Removal of Approach Pavement (Sq. Yds.)	Roadway Pavement (Sq. Yds.)	Concrete Sidewalk (Sq. Ft.)	Combined Curb & Gutter (Lin. Ft.)
Abutment #1	150	421.2	111.8		12,315	587								
Pier #1		215.3	97.9		19,575	448								
Pier #2		204.2	97.9		19,575	420								
Pier #3		201.2	97.9		19,575	420								
Pier #4		206.5	97.9		19,575	448								
Abutment #2	125	389.3	111.9		12,315	629								
Substructure Total	275	1637.7	615.3		102,930	2952								
Superstruct. Total			1191.8	770	137,310		310.6	561			712	540	1430	411
Approach														
Total	275	1637.7	1807.1	770	240,240	* 2952	310.6	561	Lump Sum	Lump Sum	712	540	1430	411

NOTE: Only one of the following types of Piles shall be used on this structure: Pipe 12¾" or Prestressed 14".

* Includes 7@25', 7@27', 66@28', 14@30' and 10@32'

CITY OF WICHITA, KANSAS
R.W. LINN, PE. CITY ENGINEER

SUMMARY OF QUANTITIES

WOODMAN BRIDGE
OVER THE LITTLE ARKANSAS RIVER
CITY OF WICHITA PROJECT NO. DAKB 576042

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS

Designed by		Checked by	
Drawn by		Date	Job No.