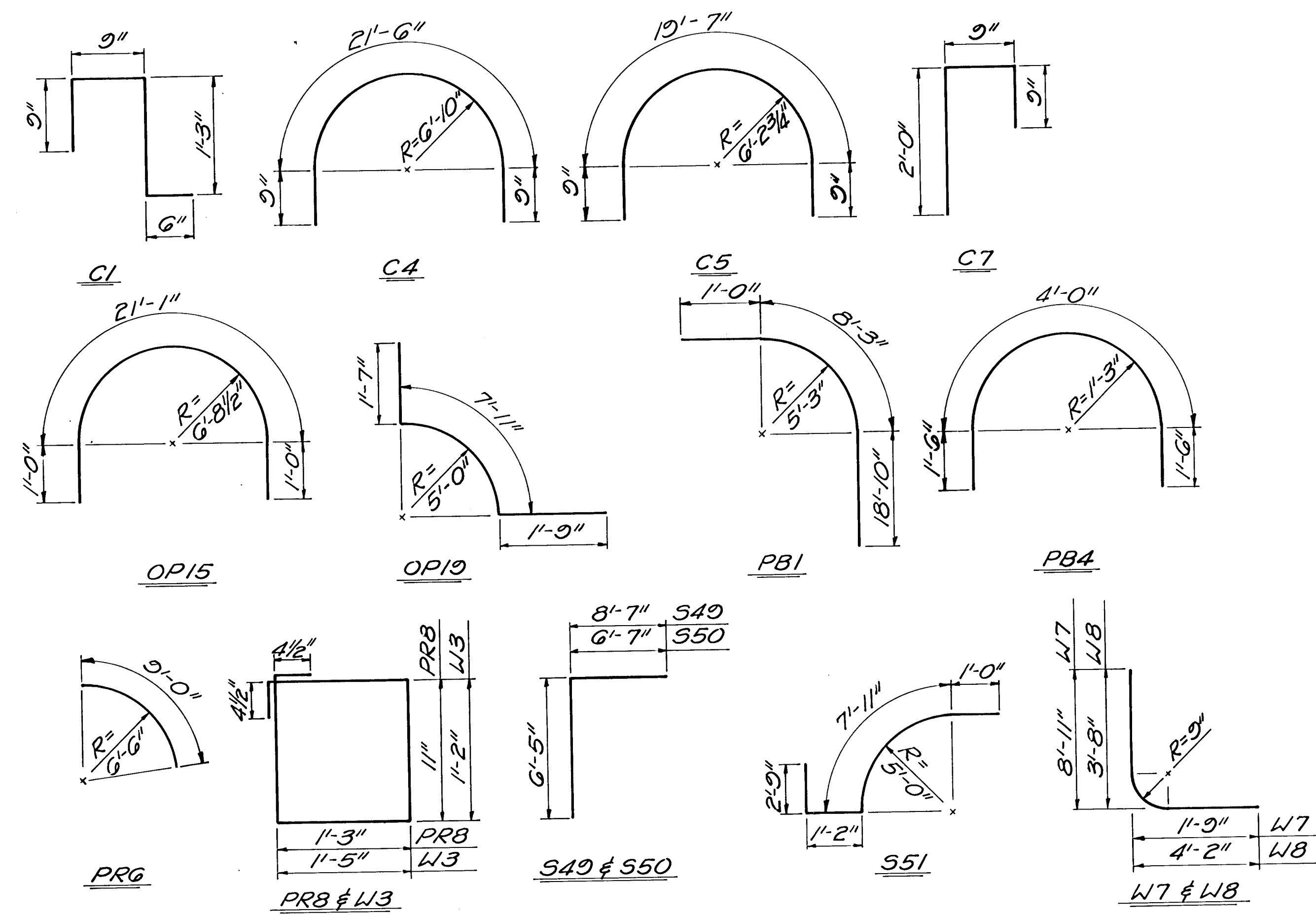


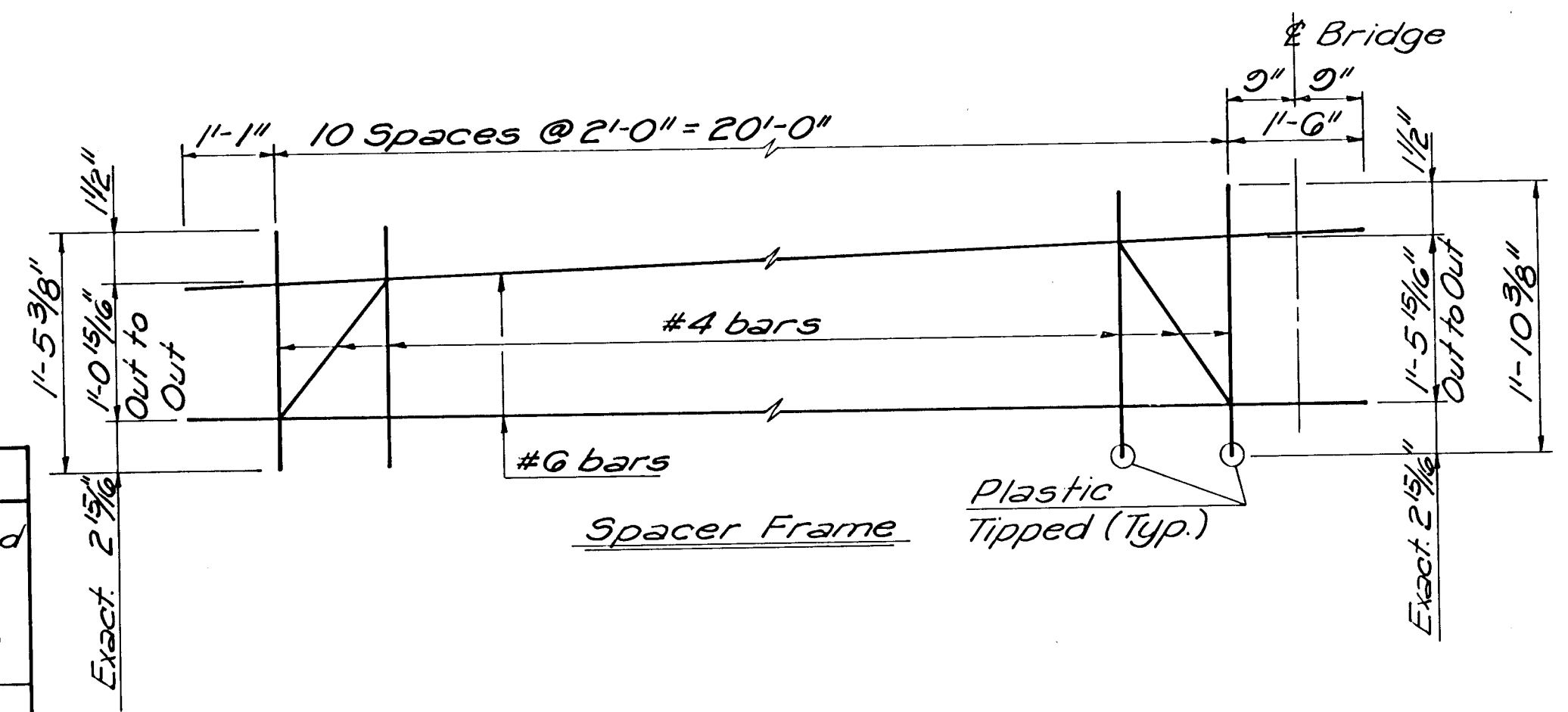
REINFORCING STEEL															
STRAIGHT BARS				STRAIGHT BARS				STRAIGHT BARS				BENT BARS			
Mark	No.	Size	Length	Mark	No.	Size	Length	Mark	No.	Size	Length	Mark	No.	Size	Length
A1	88	#8	14'-11"	PR1	24	#4	16'-1"	S35	12	#6	53'-0"	C1	528	#4	3'-3"
A2	88	#6	14'-11"	PR2	584	#4	4'-0"	S36	28	#8	31'-0"	C4	8	#6	23'-0"
A3	44	#4	43'-8"	PR3	48	#4	7'-11"	S37	16	#7	31'-0"	C5	4	#6	21'-11"
				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"				
AD1	176	#8	3'-0"	PR7	48	#6	4'-0"	S40	48	#8	21'-0"				
								S41	12	#6	21'-0"	FI	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'-11"
				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"	PB1	626	#9	28'-11"
C3	16	#6	36'-8"	S6	32	#10	22'-0"	S48	6	#7	21'-0"	PB4	136	#5	7'-0"
C6	8	#5	16'-1"	S7	28	#5	17'-6"	SR2	2	#4	29'-8"				
				S8	32	#10	48'-6"								
				S9	28	#10	35'-0"	TR1	176	#7	9'-4"				
OP1	56	#5	*	S10	28	#9	28'-0"	TR2	368	#7	2'-9"				
OP2	20	#7	8'-3"	S11	32	#9	23'-6"	TR3	88	#7	*				
OP3	8	#5	13'-5"	S12	14	#5	20'-6"	TR4	16	#7	16'-7"				
OP4	4	#5	13'-0"	S13	26	#4	7'-0"								
OP5	4	#5	12'-5"	S14	20	#4	30'-0"	LI1	12	#7	20'-3"				
OP6	4	#5	11'-7"	S15	20	#9	49'-0"	LI2	4	#7	19'-0"				
OP7	4	#5	10'-6"	S16	20	#8	35'-6"	LI4	68	#9	17'-9"				
OP8	4	#5	9'-1"	S17	20	#8	28'-0"	LI5	44	#4	17'-9"				
OP9	4	#5	7'-2"	S18	20	#8	22'-0"	LI6	104	#4	17'-8"				
OP10	4	#4	8'-10"	S19	20	#4	17'-0"								
OP11	4	#4	11'-4"	S20	20	#8	48'-6"	LIF1	44	#4	7'-0"				
OP12	4	#4	12'-3"	S21	20	#8	35'-0"	LIF2	132	#6	10'-2"				
OP13	4	#4	13'-3"	S22	20	#7	28'-0"	LIF3	48	#7	16'-1"				
OP14	32	#4	*	S23	20	#7	23'-6"	LIF4	12	#4	16'-1"				
OP16	8	#4	1'-9"	S24	10	#4	20'-0"								
OP17	8	#4	2'-4"	S25	32	#10	46'-0"								
OP18	8	#4	4'-0"	S26	12	#8	46'-0"								
OP20	24	#4	*	S27	28	#10	29'-6"								
				S28	16	#8	29'-6"								
				S29	28	#10	35'-0"								
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



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 7 1/2" increments (8 Each Length) OPI

TR3, OP20, OP14 & OPI



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

Item	SUMMARY OF QUANTITIES													
	Excavation (Cu. Yds.)		Class I Concrete (Cu. Yds.)	1/4" 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.)
	Class I	Class II												
Location														
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					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 12 3/4" or Prestressed 14".

* Includes 7 @ 25', 7 @ 27', 6 @ 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. _____