ABUTMENT (ONE)

Straight Bars				Bent Bars			
Mark	No. Req.	Size	Length	Mark	No. Req.	Size	Length
AH1	8	7	29'-0"				
AH2	12	4	29'-0"				
AH3	4	7	35'-0"				
AH4	4	7	23'-0"				
AH5	2	6	46'-0"	AU1	52	4	9'-2"
				AU2	10	4	6'-6"
				AU3	4	4	11'-11"
				AU4	2	4	12'-7½"
				AU5	2	4	13'-0½"
				AU6	2	4	13'-6½"
				AU7	2	4	14'-4½"
				AU8	2	4	14'-10"
				AU13	4	4	3'-10"
				AU14	2	4	3'-10½"
				AU15	2	4	4'-0½"
				AU16	2	4	4'-3½"
				AU17	2	4	4'-10½"
				AU18	2	4	5'-3"
AV2	6	5	8'-4"	AV1	46	4	3'-0"
AW2	10	5	10'-0"	AW1	10	5	10'-3"
AW4	14	4	#	AW3	2	5	9'-2"
AW5	6	4	5'-4"	AW6	6	4	8'-11"
AW8	4	4	9'-3"	AW7	6	4	9'-2"
				AO	20	4	9'-1"
				PS1	46	6	5'-0"
# See Bending Diagrams							

PIER (ONE)

Straight Bars				Bent Bars			
Mark	No. Req.	Size	Length	Mark	No. Req.	Size	Length
PC1	4	9	44'-10"	PC2	4	9	48'-0"
				PO	10	4	9'-1"
				PU1	80	4	6'-0"

SUPERSTRUCTURE

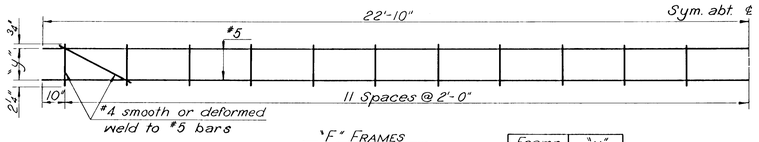
Straight Bars				Bent Bars			
Mark	No. Req.	Size	Length	Mark	No. Req.	Size	Length
B	46	5	45'-8"	F1	5	#	#
				F2	4	#	#
				F3	4	#	#
RH1	80	6	8'-2"	RV1	160	6	3'-7½"
S1	88	6	21'-0"	S9	100	6	37'-1"
S2	44	6	28'-0"	S10	44	6	13'-0"
S3	44	9	15'-3"				
S4	42	9	14'-6"	SW1	166	4	8'-4"
S5	22	9	20'-0"	SW2	12	4	7'-0"
S6	21	9	14'-0"				
S7	12	9	21'-0"	T1	48	5	24'-3"
S8	6	9	28'-0"	T2	76	5	5'-7"
S11	44	9	22'-0"				
S12	42	9	12'-0"				
S13	22	6	8'-0"				
S14	12	9	35'-0"				
S15	10	4	28'-0"				
S16	10	4	40'-0"				
S17	20	4	12'-0"				

APPROACH SLAB (ONE) (INFORMATION ONLY)

Straight Bars				Bent Bars			
Mark	No. Req.	Size	Length	Mark	No. Req.	Size	Length
AC2	4	6	11'-8"	AC1	8	4	3'-0"
AS1	64	8	11'-8"				
AS2	12	5	46'-5"				
RH1	6	6	8'-2"	RH2	4	6	11'-9"
RV2	10	6	3'-0"				
RV3	28	6	#				
SX1	6	8	46'-5	SX2	47	4	7'-9"
# See Bending Diagrams							

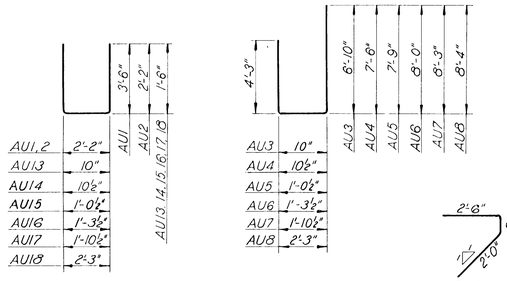
RETAINING WALLS

Straight Bars				Bent Bars			
Mark	No. Req.	Size	Length	Mark	No. Req.	Size	Length
H3	5	4	19'-9"	F3	20	4	1'-10"
H4	5	4	21'-0"	F4	22	4	2'-2"
H5	7	4	19'-9"	F5	21	4	2'-10"
HT3	2	5	19'-9"				
HT4	2	5	21'-0"				
HT5	2	5	19'-9"				
				V3	21	4	3'-4"
V5	21	4	5'-5"	V4	22	4	4'-4"
Note: Suffix digit indicates height "H" of wall section.							



"F" FRAMES

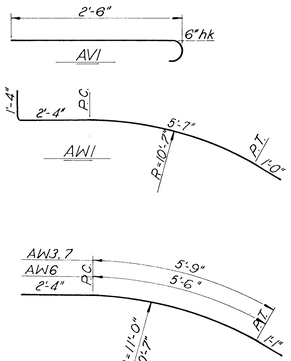
Frame	"y"
F1	4½"
F2	5⅜"
F3	8 9/16"

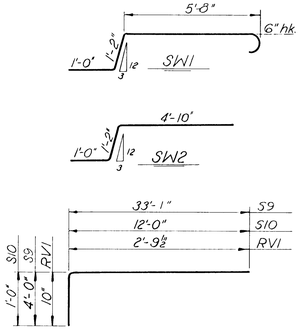


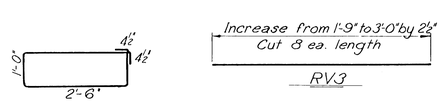
Increase from 3'-10" to 5'-4" by 3" inc.
Cut 4 each length

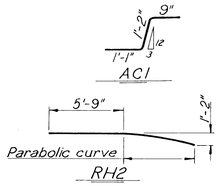
AW4

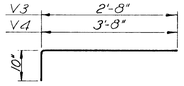
PS1

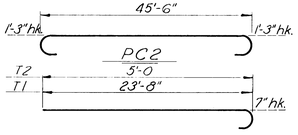


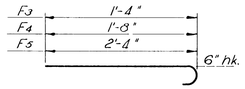












AO & PO

PU1

NOTES:
All dimensions shown in the bending diagrams are out to out of bars unless otherwise noted.

Note that the bar list for Approach Slab is furnished for information only; bar quantities are not included in Reinforcing Steel pay item.

CITY OF WICHITA, KANSAS
R. W. LINN, P.E., CITY ENGINEER

VASSAR STREET BRIDGE
OVER SLEEPY HOLLOW CREEK

BAR LIST & BENDING DIAGRAMS

DFS
DELAMATER, FREUND & SCHERER, P.A.
ENGINEERS & ARCHITECTS
WICHITA, KANSAS

SCALE | DATE December, 1975 | DWG. NO. 79-R-7

APP. | CKD. | TR. | DR. | DES. | PLOT. | SURV.