FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87U-1247-01	1992	43	79

* SUPERSTRUCTURE

STRAIGHT BARS				BENT BARS			
MARK	QUAN.	SIZE	LENGTH	MARK	QUAN.	SIZE	LENGTH
RL1	24	6	11"–7"	R01	518	3	3'–6"
RL2	204	6	9'–9"	R02	80	3	4'–6"
				RP2	320	7	7'–0"
SL1	320	4	39'–11"	RP3	320	4	4'–0"
SL2	96	5	9'–6"	RU	320	3	5'–2"
SL3	104	6	49'–8"	SU	200	5	4'–5"
SL4	200	7	33'–0"				
SL5	52	6	40'–0"	AD4	84	5	11'–0"
ST1 ⊗	746	5	31'–8"	AD5	28	5	7'–0"
SB1 ⊗	746	5	31'–8"	AD7	56	5	3'–3"
				AD8	112	5	7'–11"
AD3	8	5	8'–1"	AD9	8	5	16'–6"
AD6	144	5	3'–1"	AD11	8	5	11'–4"
AD10	8	5	16'–3"	AD12	8	5	11'–6"
AD14	8	5	16'–11"	AD13	8	5	17'–4"
AD17	4	5	2'–7"	AD15	8	5	10'–11"
AD18	12	5	3'–5"	AD16	8	5	11'–0"
AD19	12	5	6'–3"	AD21	28	6	4'–3"
AD20	36	5	7'–10"	AD23	32	5	3'–7"
AD22	14	6	4'–0"				
AD24	28	5	32'–6"	AP6	8	5	8'–6"
AD25	8	5	32'–6"				
				PD4	84	5	15'–6"
AP1	72	5	3'–0"	PD5	16	8	4'–11"
AP2	32	5	⊙				
AP3	40	5	3'–2"				
AP4	16	5	8'–3"				
AP5	8	5	7'–5"				
PD2	24	5	6'–3"				
PD3	72	5	7'–11"				
PD6	40	8	4'–6"				

⊙ Increase from 1'–10" to 3'–1 1/2" by 5 1/8" increments. (Cut 8 Each Length).

⊗ Conform to Grade.

* ABUTMENT (TWO THUS)

STRAIGHT BARS				BENT BARS			
MARK	QUAN.	SIZE	LENGTH	MARK	QUAN.	SIZE	LENGTH
A1	18	6	41'–6"	A2	5	6	13'–2"
A8	12	5	41'–6"	A3	1	6	12'–2"
A9	4	5	9'–2"	A4	1	6	13'–3"
A10	2	5	8'–2"	A5	1	6	13'–6"
A11	2	5	9'–11"	A6	1	6	13'–9"
A12	1	9	11'–8"	A7	1	6	13'–11"
A13	3	6	11'–10"	A14	1	6	15'–9"
A15	1	9	14'–0"	A17	1	6	14'–1"
A16	2	6	13'–0"	A18	1	6	14'–2"
A21	2	7	14'–0"	A19	4	6	12'–0"
A23	1	7	13'–0"	A20	2	6	14'–2"
A25	1	7	11'–8"	A22	1	6	13'–4"
A27	1	7	10'–2"	A24	1	6	11'–10"
A29	1	7	8'–8"	A26	1	6	10'–5"
A32	2	7	11'–8"	A28	1	6	8'–11"
A34	1	7	10'–7"	A30	4	6	12'–4"
A36	1	7	8'–10"	A31	2	6	15'–9"
A38	1	7	7'–0"	A33	1	6	14'–8"
A40	1	7	5'–2"	A35	1	6	12'–10"
AD1	146	6	4'–0"	A37	1	6	11'–1"
AD2	32	5	4'–0"	A39	1	6	9'–3"
				A0	30	4	11'–0"
				AU1	51	4	9'–10"
				AU2	63	4	7'–0"
				AU3	12	4	13'–8"
				AU4	4	4	△
				AU5	4	4	△
				AU6	7	4	△
				AU7	7	4	△
				AU8	9	4	△
				AU9	9	4	△

△ See bar bending diagram.

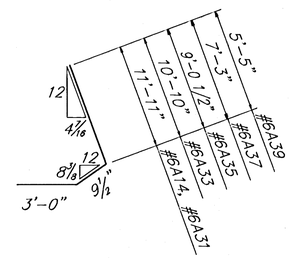
PIER NO. 1 & 2 (TWO THUS)

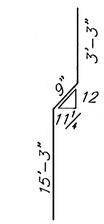
STRAIGHT BARS				BENT BARS			
MARK	QUAN.	SIZE	LENGTH	MARK	QUAN.	SIZE	LENGTH
P1	14	8	34'–0"	P5	10	7	△
P2	14	8	36'–9"	P6	10	5	9'–1"
P3	4	7	38'–4"	P7	4	4	6'–8"
P4	4	7	39'–8"	PU1	92	4	7'–4"
P8	7	8	18'–0"	PU2	70	4	10'–8"
P9	2	5	4'–1"	PU3	12	4	14'–0"
P10	2	5	6'–10"	PU4	10	4	△
P11	2	5	9'–2"	PC2	85	3	9'–9"
PC1	85	7	20'–0"	◒ DS1	85	9	19'–3"
* PD1	84	6	4'–0"	◒ DS2	85	3	12'–11"

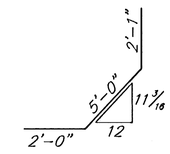
△ See bar bending diagram.
◒ For information only; not included in steel quantities.

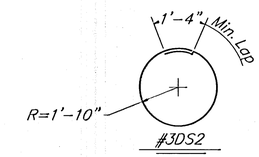
All bars in superstructure, abutments and those designated by * in the Piers shall be epoxy coated.

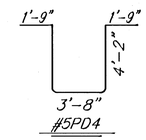
NOTE:
All Dimensions are out–to–out of bars.
All Reinforcing Steel shall be Grade 60.

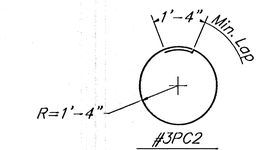


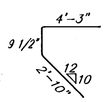


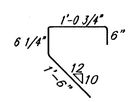


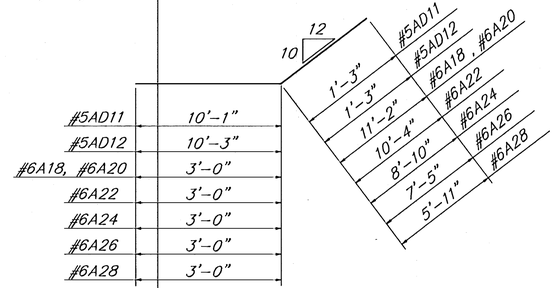


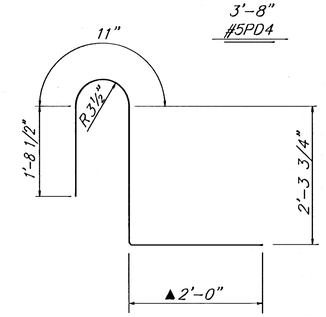




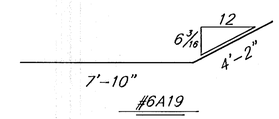


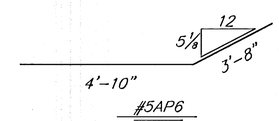


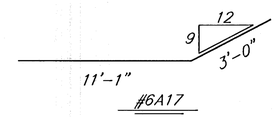


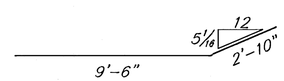


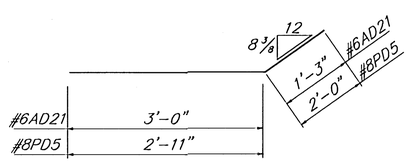
▲Bend this leg to match the slope of the roadway.

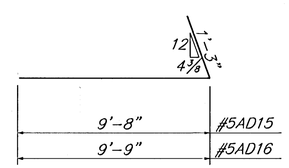












#4AU1	2'–8"
#4AU2	2'–8"
#4AU3	2'–8"
#4AU4	ø
#4AU5	ø
#4AU6	**
#4AU7	**
#4AU8	≠
#4AU9	≠

	#4AU1	#4AU2	#4AU3	#4AU4	#4AU5	#4AU6	#4AU7	#4AU8	#4AU9
	3'–7"	2'–2"	5'–6"	5'–6"	2'–2"	***	1'–9"	≥	1'–9"

ø Increase from 2'–4 1/2" to 2'–10 1/2" by 2" increment.
** Increase from 1'–2 1/2" to 2'–2 1/2" by 2" increment.
*** Increase from 1'–9" to 4'–10 7/8" by 6 5/16" increment.
≠ Increase from 1'–2 1/2" to 2'–6 1/2" by 2" increment.
≥ Increase from 1'–9" to 5'–1 1/2" by 5 1/8" increment.

#4PU1	3'–4"
#4PU2	3'–4"
#4PU3	3'–4"
#4PU4	3'–4"
#5SU	4 1/4"
#3RU	8"
#5AD4	3'–0"
#4P7	3'–4"

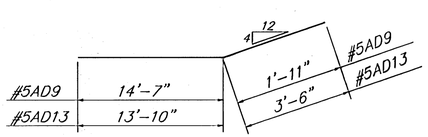
	#4PU1	#4PU2	#4PU3	#4PU4	#5SU	#3RU	#5AD4	#4P7
	2'–0"	3'–8"	5'–4"	X	2'–0"	2'–3"	4'–0"	1'–8"

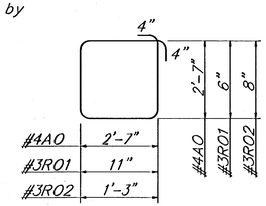
X Increase from 1'–11" to 4'–9" by 8 1/2" increment.

4'–0"	#5AD5
2'–0"	#4RP3
^	#7P5
9'–11"	#6A7
9'–9"	#6A6
9'–6"	#6A5
9'–3"	#6A4
8'–2"	#6A3
9'–2"	#6A2

	#7P5, #6A6	#6A7, #6A5	#6A4	#6A3	#5AD5	#4RP3 ▲	#6A2
	4'–0"	4'–0"	4'–0"	4'–0"	3'–0"	2'–0"	4'–0"

^ Increase from 6'–10" to 9'–2" by 7" increment.





\K9331\BEND
SCALE 1"=2'(1/2")

SURV. — | PLOT CADD | DES. A.H. | DR. B.R./G.B. | TR. — | CKD. J.G./R.G. | APP. S.K.B.

CITY OF WICHITA

GEORGE WASHINGTON BLVD. BRIDGE
OVER GYPSUM CREEK

BAR LIST AND BENDING DIAGRAM

CITY OF WICHITA PROJ. NO.: 472-82156

Booker ASSOCIATES INC. OF KANSAS
Wichita Kansas

SCALE	DATE	DWG. NO.
—	June, 1992	K9331