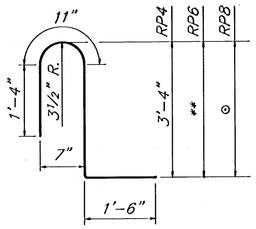
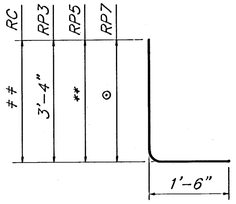
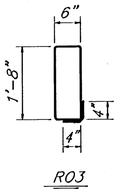
FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87U-1247-01	1992	29	79



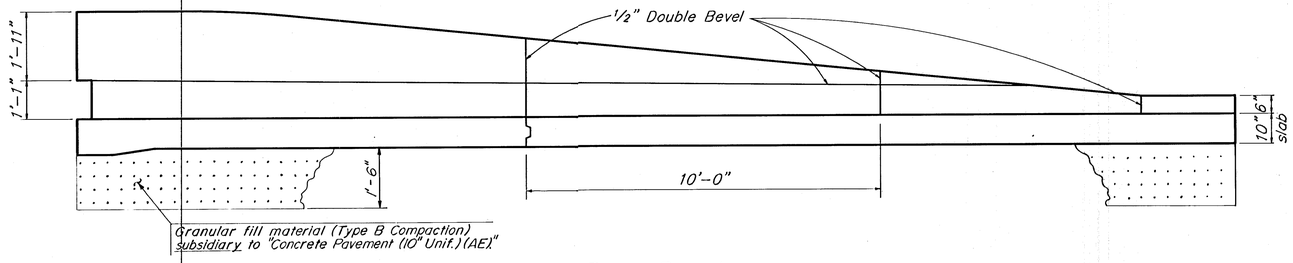




⊙ Increase from 1'-9" to 2'-8¼" by 1¼" increments. Cut 4 ea. length.

* Increase from 2'-7" to 3'-3¼" by ¾" increments. Cut 4 ea. length.

≠ ≠ Increase from 1'-1¼" to 1'-8¾" by 1¼" increments. Cut 8 ea. length.



DOUBLE BEVEL LOCATION

Increase from 22'-0" to 29'-4" by 0'-8" inc.	a
Increase from 29'-8" to 37'-0" by 0'-8" inc.	a1
Increase from 12'-1" to 21'-5" by 0'-8" inc.	a2
Increase from 37'-6" to 46'-10" by 0'-8" inc.	a3

Cut 2 ea. length

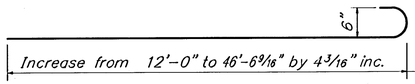
7" hk.	14'-0"	7" hk. b
7" hk.	13'-8"	7" hk. b1
7" hk.	13'-2"	7" hk. b2
7" hk.	10'-8"	7" hk. b3
7" hk.	Increase from 2'-7" to 12'-6⅞" by 1'-5⅛" inc.	7" hk. ≠ b4
7" hk.	Increase from 2'-1" to 9'-2⅜" by 1'-5⅛" inc.	7" hk. ≠ b5

5"

≠ Cut 4 ea. length

Increase from 2'-11½" to 11'-6½" by 2'-1¼" inc.	c4
Increase from 2'-1" to 8'-7" by 2'-2" inc.	c5

Cut 4 ea. length



f bars

NOTE:
All dimensions in bending diagrams are out to out of bars.

BILL OF REINFORCING STEEL

CONCRETE SAFETY BARRIER (2 THUS)

Straight Bars

Mark	Quan.	Size	Length
a	12	5	*
a1	12	5	*
a2	15	5	*
a3	15	5	*
c	9	5	14'-0"
c1	35	5	10'-8"
c2	12	5	13'-2"
c3	13	5	13'-8"
c4	10	5	*
c5	8	5	*
e	36	6	3'-0"
e1	56	4	3'-0"

Bent Bars

Mark	Quan.	Size	Length
b	13	5	15'-2"
b1	21	5	14'-10"
b2	17	5	14'-4"
b3	54	5	11'-10"
b4	16	5	*
b5	12	5	*
f	100	6	*

* See bending diagram

Reinforcing steel = 2,060 Lbs.

SPECIAL APPROACH SLAB (2 THUS)

Straight Bars

Mark	Quan.	Size	Length
RL3	12	6	12'-4"
RL4	12	6	11'-6"
h	14	6	2'-6"
i	1	6	17'-4"
j	5	6	19'-8"
RL5	4	6	11'-11"
RL6	8	6	11'-6"

Bent Bars

Mark	Quan.	Size	Length
RP3	16	5	4'-10"
RP4	16	7	6'-10"
RP5	24	5	*
RP6	24	7	*
RC	28	5	*
RO3	36	3	5'-0"
RP7	20	5	*
RP8	20	7	*

* See bending diagram

Reinforcing steel = 9,105 Lbs.

SUMMARY OF QUANTITIES (TOTAL)

Concrete Pavement (Unif.) (AE)(10")	554 Sq. Yd.
Concrete Pavement (Unif.) (AE)(6")	60 Sq. Yd.
Concrete Safety Barrier (Special)(AE)	132 L.F.
⊗ Reinforcing Steel	22,330 Lbs.
⊗ Welded Wire Fabric 6x6-W2.9 x W2.9	230 Lbs.
⊗ Welded Wire Fabric 6x12-W4 x W4	780 Lbs.

⊗ Items are subsidiary to bid items "Concrete Pavement (10" Uniform)(AE)," "Concrete Safety Barrier (Special)(AE) or "Concrete Pavement (6" Uniform)(AE)."

SURV.	PLOT	CADD	DES. A.H./T.P.	DR. A.H.	TR.	CKD. R.G.	APP. S.K.B.

\K9331\BENDDIA
SCALE 1"=4'(1/4")

CITY OF WICHITA

GEORGE WASHINGTON BLVD. BRIDGE OVER GYPSUM CREEK

SPECIAL CONCRETE APPROACH II

CITY OF WICHITA PROJ.NO. 472-82156

Booker ASSOCIATES INC. OF KANSAS
Wichita Kansas

SCALE	DATE	DWG. NO.
	June, 1992	K-9331