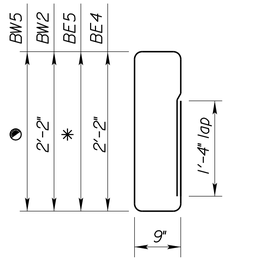
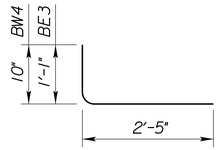


BE4, BE5, BW2 & BW5



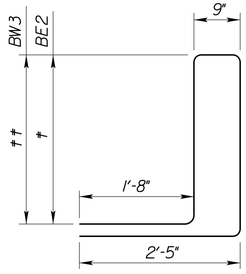
BE3 & BW4

✳ Increase from 1'-6" to 2'-2" by 1/2" increments (cut 2 each length)

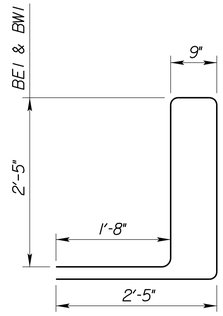
◔ Increase from 1'-8" to 2'-1" by 1/2" increments (cut 2 each length)

† Increase from 1'-1" to 2'-4" by 1 1/2" increments (cut 2 each length)

†† Increase from 10" to 2'-4" by 1 1/2" increments (cut 2 each length)



BE2 & BW3



BE1 & BW1

BENDING DIAGRAMS

All dimensions are out to out of bars.

CONCRETE SAFETY BARRIER (WEST END)
BILL OF REINFORCING STEEL
EPOXY COATED GRADE 60

Straight Bars				Bent Bars			
Mark	Size	Number	Length	Mark	Size	Number	Length
BW11	#6	2	2'-8"	BW1	#5	40	9'-8"
				BW2	#5	18	7'-2"
BW6	#5	16	12'-7"	BW3	#5	26	⊗
BW7	#5	4	7'-3"	BW4	#5	12	3'-3"
BW8	#5	4	13'-4"	BW5	#5	22	⊗
BW9	#5	4	10'-1"				
BW10	#5	4	5'-8"				
Concrete (Grade 4.0)(AE)							4.0 C.Y.
Reinforcing Steel (Grade 60)(Epoxy Coated)							1,320 lbs.

⊗ See Bending Diagrams

CONCRETE SAFETY BARRIER (EAST END)
BILL OF REINFORCING STEEL
EPOXY COATED GRADE 60

Straight Bars				Bent Bars			
Mark	Size	Number	Length	Mark	Size	Number	Length
BE6	#6	2	2'-8"	BE1	#5	50	9'-8"
				BE2	#5	22	⊗
BE7	#5	16	12'-7"	BE3	#5	12	3'-6"
BE8	#5	4	8'-5"	BE4	#5	16	7'-2"
BE9	#5	4	16'-8"	BE5	#5	34	⊗
BE10	#5	4	13'-0"				
BE11	#5	4	8'-1"				
BE12	#5	4	3'-1"				
Concrete (Grade 4.0)(AE)							4.5 C.Y.
Reinforcing Steel (Grade 60)(Epoxy Coated)							1,510 lbs.

⊗ See Bending Diagrams

NOTE: All quantities shown for the Concrete Safety Barrier transitions are included in the respective road quantities. See Sh. #85 .

CITY OF WICHITA

wsp

HARRY STREET BRIDGE
OVER ARKANSAS RIVER

CONCRETE SAFETY BARRIER DETAILS IV

STRUCTURE NO. 430400876 30AR40

REVISIONS

NO.	DATE	DESCRIPTION

PROJ NO:	35838B
SCALE:	AS NOTED
DATE:	.
DESIGNED BY:	--
DRAWN BY:	--
CHECKED BY:	-
YEAR:	2019

SHEET NO
25
SHEET 25 OF 135

Plotted : 10/3/2019 2:12:12 PM File : T:\35838A-COW_HarryStBridge\Cadd\Sheets\Structures\838CSB04.dgn