SECTION A-A

#5-K2
#5-K1
6-#5-K9 (Spa. as shown)
8"
13¾"
Const. Joint
#5-K4
3 Spa. @ 3 1/16"
3 3/8"
1 7/8"

SECTION B-B

#5-K2
#5-K1
#5-K11 **
#5-K5, K6, K7 or K8 *
6-#5-K9 (Spa. as shown)
8"
13¾"
Const. Joint
#5-K4
2¾"
3 Spa. @ 3 1/16"

SECTION C-C
(#5-R6 Bars not shown for clarity)

#5-K2
#5-K1
#5-K11 **
#5-K3
6-#5-K9 (Spa. as shown)
8"
13¾"
Const. Joint
3 Spa. @ 3 1/16"

ELEVATION

5'-6⅜"
15-#5-K1 & K2 (Spa. as shown)
2⅜"
4 Spa. @ 3"
6 Spa. @ 6"
12" #5-R1, R3 & R4 @ abt. 12" cts.
4 Spa. @ 4"
2-#5-R6
19"
10"
6-#5-K9 (Spa. as shown) (Each face)
8"
Const. Joint
#5-K11 **
#5-K8 *
#5-K7 *
#5-K6 *
#5-K5 *
#5-R6
11-#5-K4 (Spa. with K1 & K2)
6"
4-#5-K3 (Spa. with K1 & K2)
3 Spa. @ 3 1/16"
3 3/8"
1 7/8"

5'-6⅜"
15-#5-K1 & K2 (Spa. as shown)
#5-R1, R3 & R4 12" 6-Spa. @ 6"
4 Spa. @ 3"
2⅜"
2-#5-R6
6-#5-K9 (Spa. as Shown) (Each face)
8"
Const. Joint
#5-K11 **
#5-K8 *
#5-K7 *
#5-K6 *
#5-K5 *
#5-R6
4-#5-K3 (Spa. with K1 & K2)
11-#5-K4 (Spa. with K1 & K2)
6"
4 Spa. @ 4"
3 Spa. @ 3 1/16"
3 3/8"
1 7/8"

ELEVATION

SECTION D-D

#5-K2
#5-K1
Const. Joint
#5-K4
6-#5-K9 (Spa. shown)
8"
13¾"
3 Spa. @ 3 1/16"
3 3/8"
1 7/8"

SECTION E-E

#5-K2
#5-K1
#5-K11 **
#5-K5, K6, K7 or K8 *
Const. Joint
#5-K4
6-#5-K9 (Spa. as shown)
8"
13¾"
2¾"
3 Spa. @ 3 1/16"
3 3/8"
1 7/8"

SECTION F-F
(#5-R6 Bars not shown for clarity)

#5-K2
#5-K1
#5-K11 **
#5-K3
Const. Joint
6-#5-K9 (Spa. as shown)
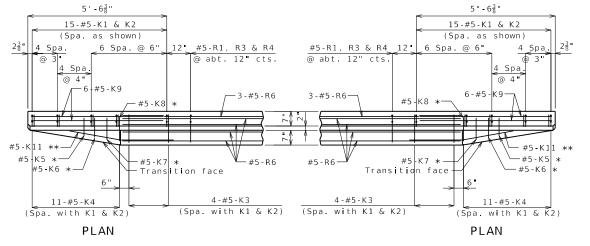8"
13¾"
3 Spa. @ 3 1/16"
3 3/8"
1 7/8"

* Spaced with #5-K4 bars with bottom leg at same elevation as the bottom leg of K4 bars.

** Fit bar to follow transition face of barrier.

*** To top of bar

PLAN

5'-6⅜"
15-#5-K1 & K2 (Spa. as shown)
2⅜"
4 Spa. @ 3"
6 Spa. @ 6"
12" #5-R1, R3 & R4 @ abt. 12" cts.
4 Spa. @ 4"
6-#5-K9
#5-K8 *
3-#5-R6
7"
2"
#5-K11 **
#5-K5 *
#5-K6 *
#5-K7 *
Transition face
#5-R6
11-#5-K4 (Spa. with K1 & K2)
6"
4-#5-K3 (Spa. with K1 & K2)

5'-6⅜"
15-#5-K1 & K2 (Spa. as shown)
#5-R1, R3 & R4 12" 6 Spa. @ 6"
4 Spa. @ 3"
2⅜"
4 Spa. @ 4"
6-#5-K9
#5-K8 *
3-#5-R6
7"
#5-K11 **
#5-K5 *
#5-K6 *
#5-K7 *
Transition face
#5-R6
4-#5-K3 (Spa. with K1 & K2)
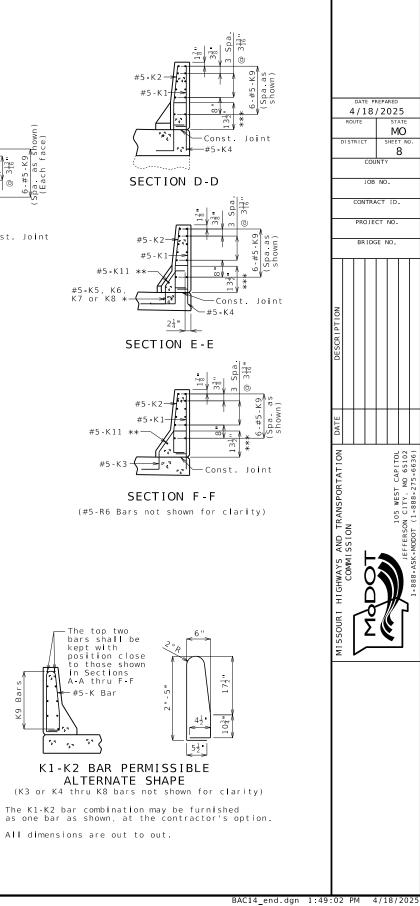11-#5-K4 (Spa. with K1 & K2)
6"

PLAN

Notes: Use a minimum lap of 2'-6" between K9 and R6 bars.

Concrete traffic barrier delineators shall be placed on top of the barrier as shown on Missouri Standard Plan 617.10 and in accordance with Sec 617. Delineators on bridges with two-lane, two-way traffic shall have retroreflective sheeting on both sides. Concrete traffic barrier delineators will be considered completely covered by the contract unit price for Type B Barrier.

DETAILS OF GUARD RAIL ATTACHMENT

5-1"Ø Holes @ 13/16" cts.
2"
7"
7"
20" 8"
Ç 1" Ø Hole
19"
10"
3"
3'-7"
3'-8"
Const. Joint
1"
16"
Const. Joint
Roadway Face of Barrier

ELEVATION G-G

ELEVATION

20" 8"
Ç 1"Ø Holes
7"
9"
7"
2"
1" Chamfer (Transition to zero at Type A Curb for gutter lines to match)
3'-8"
Roadway Face of Barrier

PLAN

K1-K2 BAR PERMISSIBLE ALTERNATE SHAPE
(K3 or K4 thru K8 bars not shown for clarity)

The top two bars shall be kept with position close to those shown in Sections A-A thru F-F
K9 Bars
#5-K Bar
6"
2"R
2'-5"
17½"
10¾"
4½"
5½"

The K1-K2 bar combination may be furnished as one bar as shown, at the contractor's option.

All dimensions are out to out.

TYPE B BARRIER AT END BENTS
(Left barrier shown, right barrier similar)

Detailed
Checked

Note: This drawing is not to scale. Follow dimensions.   Sheet No.   of

BAC14_end   Guidance

Add Standard Note H9.1a, or H9.1b or H10.7.1 depending upon the use of guardrail or barrier system.

Use the following formulas for determining bar dimensions. These formulas work for all cross slopes.

K3 BARS

$\quad$ B = SLAB (t) + W.S. (t) + $10\frac{1}{2}$"

$\quad$ E = SLAB (t) + W.S. (t) - $\frac{3}{4}$"

K4 BARS

$\quad$ C = SLAB (t) + W.S. (t) + 10"

K5, K6, K7 & K8 BARS

$\quad$ E = SLAB (t) + W.S. (t) + $\frac{1}{2}$"

R3 BARS

$\quad$ B = SLAB (t) + W.S. (t) + $9\frac{1}{4}$"

R4 BARS

$\quad$ E = SLAB (t) + W.S. (t) - $\frac{3}{4}$"