**DETAILS OF GUARD RAIL ATTACHMENT**

**SECTION A-A**

**SECTION B-B**

**SECTION C-C**

**SECTION D-D**

**SECTION E-E**

**SECTION F-F**

**SECTION G-G**

**SECTION H-H**

**SECTION I-I**

**NO. 1 K1-K2 BAR PERMISSIBLE ALTERNATE SHAPE**

The K1-K2 bar combination may be furnished as one bar shown on the contractor's bid. All dimensions are out to out.

**General Notes:**
Concrete traffic barrier delineators shall be spaced on top of the barrier as shown on Missouri Standard Plan 617.10 and in accordance with Sec 617. Concrete traffic barrier delineators shall be considered completely covered by the contract unit price for Type B Barrier. Reinforcing Steel:
- Minimum clearance to reinforcing steel shall be 1 1/2" except as shown for bars embedded into end bent. Use a minimum top of 2" between K9 and K10 or K13 bars.
- The top two bars shall be hot rolled 1 1/8" close to those shown in Sections A-A thru F-F.

**Standard Drawing Guidance:**
1. See this drawing for angles greater than 3 degrees. For angles greater than 41 degrees, 4x4 bars are required.
2. Dimensions are based on a 2.0% sloped deck. Subtract 1/8" for a 3/16" per foot sloped deck. (do not show on plans)

**Note:** This drawing is not to scale. Follow dimensions.