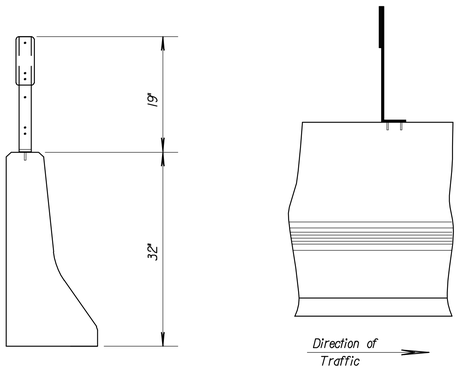
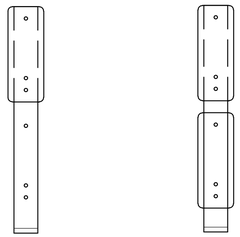
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	87 N-0361-01	2010	153	169



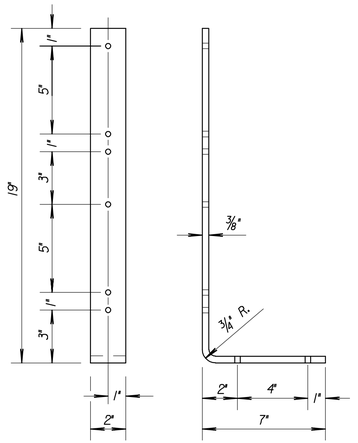
TYPICAL MOUNTING DETAIL



TYPE "A" TYPE "B"

DELINEATOR POSITION DETAILS

DESIGN DETAILS FOR DELINEATION ON 32" CONCRETE SAFETY BARRIER SECTION



DELINEATOR BRACKET DETAILS

GENERAL NOTES

The delineators shall be spaced on 200' centers, except through curves greater than 1900' radius curvature and along ramps and ramp tapers where the spacing shall be on 100' centers. Delineators should be installed back to back when used on 32" median barrier for two-way roadways. The delineator color shall be yellow when used on the left side or white when used on the right side of the roadway.

The flat sheet sign blank shall be made of the aluminum alloy and thickness shown.

The 3" x 8" delineator sign face shall be covered with high performance white or yellow retroreflective sheeting.

The type of adhesive for reflective sheeting shall be heat activated or pressure sensitive.

The delineator bracket shall be fabricated from aluminum in the thickness and sizes shown. The material for the brackets shall comply with the Standard Specifications. All holes for mounting the delineator to the bracket shall be 3/8" diameter. The holes for mounting the bracket to the barrier shall be 7/16" diameter. All burrs and sharp edges shall be smoothed off. The brackets shall not be fabricated by the use of welding.

All items of the fastening accessories shall be Zinc or Cadmium plated.

The machine screws, nuts, and washers used to fasten the delineator to the bracket shall comply with the Standard Specifications.

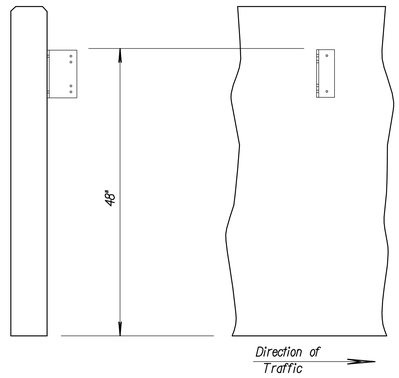
All work and materials required for the installation of the delineators shall be Subsidiary to the bid item "Concrete Safety Barrier".

When delineators are installed on median or roadside barriers approaching a bridge, they shall be installed on the bridge rail in accordance with the spacing and details on this sheet.

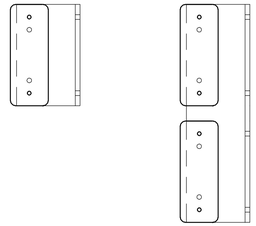
The color of delineation (white or yellow) shall match the color of the pavement marking edge line.

Road Type	Right Edge Delineator	Left Edge Delineator
Main Line	*Type "A" White*	*Type "A" Yellow*
Acceleration Lane Deceleration Lane	*Type "B" White*	*Type "B" Yellow*
Ramp	*Type "A" White*	*Type "A" Yellow*

PATTERN OF DELINEATION

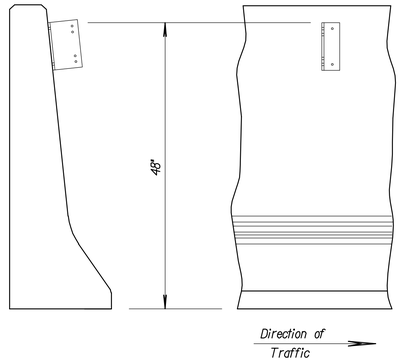


TYPICAL MOUNTING DETAIL FOR RETAINING WALL SECTION

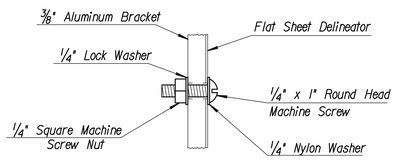


TYPE "A" TYPE "B"

DELINEATOR POSITION DETAILS



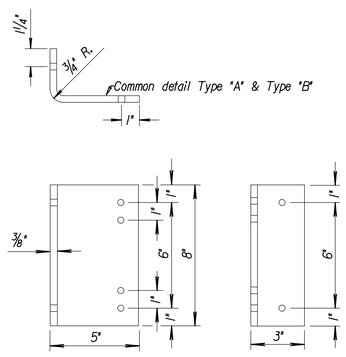
TYPICAL MOUNTING DETAIL



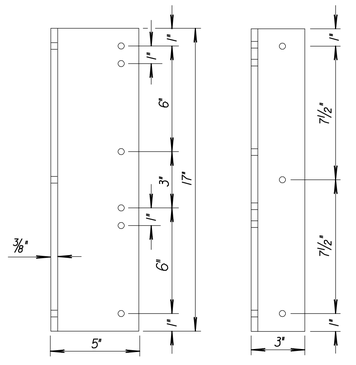
FLAT SHEET DELINEATOR MOUNTING

DETAILS FOR ATTACHING DELINEATORS TO BRACKETS

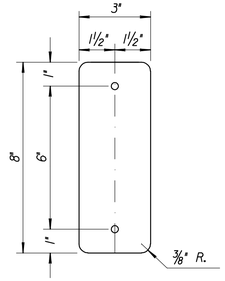
DESIGN DETAILS FOR DELINEATION ON RETAINING WALL & 51" CONCRETE SAFETY BARRIER SECTION



TYPE "A"
DELINEATOR BRACKET DETAILS



TYPE "B"
DELINEATOR BRACKET DETAILS



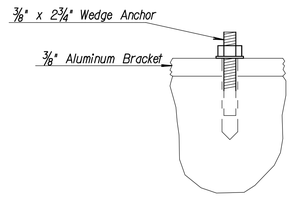
NOTE: The aluminum sign blanks are to be ASTM B-209(H), Alloy 6061-T6, or 5154-H38, or 5052-H38.

The aluminum sign blank shall be 0.040" thick.

Both faces and all cut edges of sign to be degreased and etched.

All holes shall be 5/16" in diameter.

FLAT SHEET SIGN BLANK DETAILS



DETAILS FOR ATTACHING BRACKETS TO SAFETY BARRIER

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NO.	DATE	REVISIONS	BY	APP'D
3	6-03-09	Removed button & diamond details	S.W.K.	J.O.B.
2	6-05-07	Changed degree of curve to radius	S.W.K.	J.O.B.
1	2-28-03	Revised layout and details.	S.W.K.	J.O.B.

KANSAS DEPARTMENT OF TRANSPORTATION

DESIGN DETAILS FOR DELINEATION ON CONCRETE SAFETY BARRIER

RD624

FHWA APPROVAL	12-18-09	APP'D. James O. Brewer	
DESIGNED	DETAILED	QUANTITIES	TRACED Bowser
DESIGN CK.	DETAIL CK.	QUAN.CK.	TRACE CK. King

Drawn By : JacobsW Plotted : 1/25/2011 8:34 AM
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