

Title: Safety Edge

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Originators: Brian Luce and Bradford Foley, P.E.

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Chief Engineer

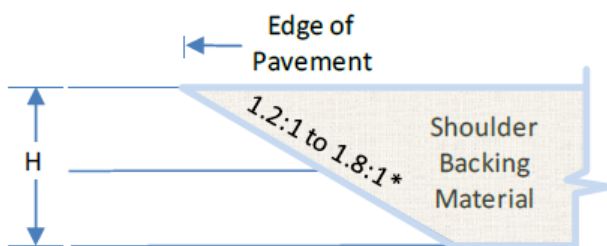
The Maine Department of Transportation and the Maine FHWA Division Office have agreed to adopt the following standard regarding the use of a modified hot mix asphalt pavement edge detail, referenced in this document as a Safety Edge, in an effort to minimize injury to the travelling public during vehicle run-off situations where vertical edge pavements may impair driver recovery.

All projects that are to be constructed or overlaid shall be evaluated using the following criteria for use of the safety edge.

The Department will require the installation of a modified pavement edge detail when constructing new pavement surfaces on existing projects, when constructing new pavement surfaces on newly constructed projects, or when the Department otherwise directs the use of a modified edge detail. The following conditions apply:

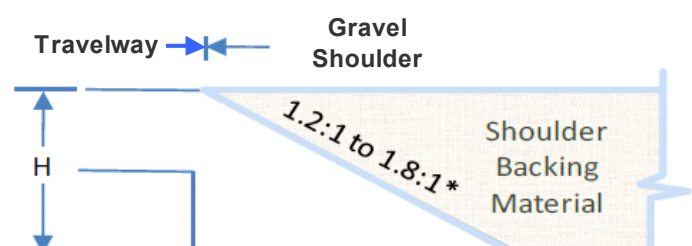
- The posted speed is 40 MPH or higher and
- The constructed pavement structure is 1.5 inches or greater in total depth at edge of pavement and
- The shoulder is less than 4 feet in total width then,
- The finished angle of the safety edge shall be  $29^{\circ}$  -  $40^{\circ}$ . Standard travelway and shoulder widths shall be maintained.

The modified edge shall conform to the cross-section drawings shown and be installed at locations designated in the contract documents. The modified edge shall be constructed monolithically with the pavement.



For  $H \leq 5$  in. Configuration 1

Newly constructed pavements - Top 3 to 4 inch surface  
and intermediate pavement course



For  $H \leq 5$  in. Configuration 2

Overlay of existing pavement - surface course only

\*  $29^{\circ}$  -  $40^{\circ}$