

MICHIGAN
DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION
FOR
SAFETY EDGE

CFS:KPK

1 of 2

APPR:NDM:CRB:02-13-24
FHWA:APPR:02-27-24

a. Description. This work consists of providing a safety edge for either HMA or concrete shoulders as required on the plans and as shown on Standard Plan R-110 Series.

b. Materials. Furnish materials meeting the requirements of the following sections of the standard specifications:

Hot Mix Asphalt	501
Concrete Pavement.....	602

c. Construction.

1. HMA. Construct the safety edge in accordance with subsection 501.03.F.5.

2. Concrete. Construct the safety edge on the shoulders at locations as shown on the plans. The finished shape of the safety edge will be in accordance with Standard Plan R-110 Series. Ensure the safety edge is constructed monolithically with the shoulder and is of the same material type. Prior to placing concrete shoulder overlays, prepare the existing shoulder material to provide a smooth and uniform paving surface. Excavate, trench and/or shape the existing shoulder material in order that the safety edge may be placed as required on the plans. Ensure the existing material does not impede the paving equipment and placement of concrete material. For new or reconstructed shoulders prepare base materials in accordance with the plans.

Ensure the paver screed is modified or equipped to create a finished sloped wedge in accordance with the contract typical details. Hand work may be allowed for short distances when use of production equipment is not possible.

d. Measurement and Payment.

Delete subsection 501.04.J, on page 5-25 of the Standard Specifications for Construction in its entirety and replace with the following:

J. Safety Edge. All costs associated with providing a safety edge as described in this special provision and the contract including base preparation and additional equipment or modification to existing equipment will be included in the applicable unit prices for the related HMA shoulder mixture pay items. If the corresponding shoulder pay item is paid for in tons, the additional quantity placed for the safety edge should be paid in tons. If the corresponding shoulder pay item is paid for in square yards, the additional quantity for the safety edge should be paid for using the corresponding shoulder pay item with no reduction in pay for the decreased thickness of the safety edge (The unpaved triangular area above the safety edge

slope, from the outer edge of the paved shoulder to the outer edge of the safety edge, will be included in this payment). Area payment limits extend to the outer edge of the safety edge.

Add the following subsection 602.04.G, on page 6-26 of the Standard Specifications for Construction.

G. **Safety Edge.** All costs associated with providing a safety edge as described in this special provision and the contract including base preparation and additional equipment or modification to existing equipment will be included in the applicable unit prices for the related concrete shoulder pay items. If the corresponding shoulder pay item is paid for in cubic yards, the additional quantity placed for the safety edge should be paid in cubic yards based on the actual volume placed. If the corresponding shoulder pay item is paid for in square yards, the additional quantity for the safety edge should be paid for using the corresponding shoulder pay item with no reduction in pay area for the decreased thickness of the safety edge (The unpaved triangular area above the safety edge slope, from the outer edge of the paved shoulder to the outer edge of the safety edge, will be included in this payment). Area payment limits extend to the outer edge of the safety edge.