

**USE WITH 2006 STANDARDS.**

**Use for HMA pavement.**

**10-1. \_\_ EDGE TREATMENT, HOT MIX ASPHALT PAVEMENT**

**GENERAL**

This work includes constructing the edges of HMA pavement as shown on the plans.

**MATERIALS**

**2**

HMA for safety edge treatment must comply with Section 39, "Hot Mix Asphalt," of the Standard Specifications.

**3**

For the safety edge, use the same type of HMA used for the adjacent lane or shoulder.

**CONSTRUCTION**

**4**

The edge of roadway where the safety edge treatment is to be placed must have a solid base, free of debris such as loose material, grass, weeds, or mud. Grade areas to receive the safety edge as required.

**5**

The safety edge treatment must be placed monolithic with the adjacent lane or shoulder and shaped and compacted with a device attached to the paver.

**6**

The device must be capable of shaping and compacting HMA to the required cross section as shown on the plans. Compaction must be by constraining the HMA to reduce the cross sectional area by 10 to 15 percent. The device must produce a uniform surface texture without tearing, shoving, or gouging and must not leave marks such as ridges and indentations. The device must be capable of transition to cross roads, driveways, and obstructions.

**7**

For safety edge treatment, the angle of the slope must not deviate by more than  $\pm 5$  degrees from the angle shown on the plans. Measure the angle from the plane of the adjacent finished pavement surface.

**8**

If paving is done in multiple lifts, the safety edge treatment can be placed either with each lift or with the final lift.

**9**

Short sections of hand work are allowed to construct transitions for safety edge treatment.

**10**

For more information on the safety edge treatment, go to:

[http://safety.fhwa.dot.gov/roadway\\_dept/pavement/safedge/](http://safety.fhwa.dot.gov/roadway_dept/pavement/safedge/)

**11**

You can find a list of commercially available devices at the above Web site under "Frequently Asked Questions" and "Construction Questions."

**MEASUREMENT AND PAYMENT**

**12**

Full compensation for constructing edge treatments, including grading when required for preparation of the area to receive the safety edge treatment, are included in the contract price paid per ton for the type of HMA designated in the verified Bid Item List and no additional compensation will be allowed.

**USE WITH 2006 STANDARDS.**

**Use for concrete pavement shoulders.**

**10-1. \_\_ EDGE TREATMENT, CONCRETE PAVEMENT**

**GENERAL**

This work includes constructing the edges of concrete pavement.

**2**

Edge treatments must comply with Section 40, "Concrete Pavement," of the Standard Specifications except Sections 40-3.11, "Preliminary Finishing" and 40-3.12, "Final Finishing" do not apply to safety edges.

**MATERIALS**

**3**

For safety edges placed after the concrete pavement is complete, concrete may be minor concrete under Section 90-10, "Minor Concrete," of the Standard Specifications and these special provisions. If connecting bar reinforcement is installed by the drill and bond method, comply with the requirements in Section 40-2.05, "Chemical Adhesive (Drill and Bond)," of the Standard Specifications and these special provisions.

**CONSTRUCTION**

**4**

You may construct safety edges after the concrete pavement has been constructed. Install connecting bar reinforcement under Section 52, "Reinforcement," of the Standard Specifications.

**5**

Saw cutting or grinding may be used to construct safety edges.

**6**

For safety edges, the angle of the slope must not deviate by more than  $\pm 5$  degrees from the angle shown on the plans. Measure the angle from the plane of the adjacent finished pavement surface.

**MEASUREMENT AND PAYMENT**

**7**

Full compensation for edge treatment of concrete pavement, including grading when required for preparation of the area to receive safety edges, is included in the contract paid per cubic yard for concrete pavement of the type involved and no additional compensation is allowed.