

SP00738 (2015 Specifications: ~~11-13-14~~05-07-15)

(Before including this Section in the project, check with the Roadway Designer to determine if Safety Edge is required.)

## SECTION 00738 - SAFETY EDGE

*(Follow all instructions. If there are no instructions above a subsection, paragraph, sentence, or bullet, then include them in the project. The specifications may be modified to include project specific specifications, but all additions, deletions, or modifications must be sent to the ODOT Technical Resource and Senior Specifications Engineer for review and approval.)*

Section 00738, which is not a Standard Specification, is included in this Project by Special Provision.

### Description

**00738.00 Scope** - This work consists of furnishing and placing a consolidated sloped pavement edge treatment, known as a safety edge, constructed monolithically with the pavement as shown.

### Materials

**00738.10 Materials** - Construct the safety edge using the same material used to construct the adjoining pavement.

### Equipment

**00738.20 Safety Edge Device** - Attach a device to the asphalt concrete paver screed that confines the asphalt concrete at the end gate and extrudes the asphalt concrete in a wedge shape onto the roadway shoulder. The safety edge device compacts a wedge between the ratios 1:1 1/2 and 1:2, providing a uniform texture and shape, adjusts to varying paving thicknesses, and allow for transitions for cross roads, driveways, and obstructions. Brief stops of the paving machine to adjust the safety edge device at transitions are allowed. A single plate strike off is not allowed.

Use a safety edge device manufactured by Transtech Systems, Inc; Advant-Edge Paving Equipment, LLC; Carlson Paving Products; Troxler Electronic Laboratories, Inc; or a similar device that produces the same wedge consolidation results. If a similar device is used, provide proof the device has been used on previous projects with acceptable results or construct a test section meeting the requirements of 00738.47

### Construction

**00738.40 Asphalt Concrete Density Adjacent to Safety Edge** - Compact asphalt concrete pavement adjacent to the safety edge according to Sections 00743, 00744 or 00745. No additional compaction of the safety edge is required.

**00738.43 Handwork** - Short sections of handwork where the safety edge transitions at locations such as driveways, intersections, interchanges, and bridges are allowed.

**00738.47 Test Section** - At the beginning of the paving operation, construct one initial test strip of asphalt pavement at least 0.1 mile but not more than 0.2 mile in length at the specified paving width. Safety edge is evaluated for wedge ratio, compaction, texture, and shape to the satisfaction of the Engineer.

The initial test strip is waved if the safety edge device is manufactured by one of the companies listed in 00738.20 or a device that is proven to the satisfaction of the Engineer.

#### **Measurement**

**00738.80 Measurement** - No measurement of quantities will be made for safety edge.

#### **Payment**

**00738.90 Payment** - No separate or additional payment will be made for safety edge. Payment will be included in payment for the appropriate items under which this work is required.