

Standard Guidelines for Product Review

## **PAVEMENT MARKERS, TYPE 1, Recessed;**

### **Section 00855**

February, 2016

DEPARTMENT OF  
TRANSPORTATION

Construction Section

800 Airport Road SE  
Salem, OR 97301-4798  
503/986-3059

**Description** – This category is for retroreflectorized markers placed in a slot to protect them from snowplows. The slot dimensions are shown in ODOT Standard Drawing TM517.

**Process** – Submit the following:

- [Preliminary Information for Product Evaluation Form](#).
- Independent Test Results showing compliance with the specifications listed below.
- Product Data Sheet.
- Detailed installation instructions.
- List of Limitations and Precautions.
- 15 markers for our evaluation (each color).

**Specifications** – Recessed Type 1 Pavement Markers shall:

- (1) be capable of adhering to asphalt and concrete surfaces with bituminous or epoxy adhesives.
- (2) be Designation H markers (abrasive resistant) according to ASTM D4280-12.
- (3) be Designation F markers (flexural strength) according to ASTM D4280-12.
- (4) meet the requirements of Section 6 of ASTM D4280-12 with the following exceptions:
  - a. Dimensions:
    - Marker height shall not exceed 0.680 inches.
    - Marker width shall not exceed 4.700 inches.
  - b. Adhesive Bond Strength: 250 psi minimum average tensile bond strength of five specimens according to the following test:
    - Bond a 1.5 inch diameter steel test plug with sandblasted surface to the center of the marker bottom using an epoxy meeting AASHTO M237.
    - After 48 hours curing time at 74°F ± 4°F, tensile load the test plugs at a load rate of 4850 pounds/minute until failure.

If markers are found to be lacking in field performance in intended application, the Oregon Department of Transportation will reject it from use.

**Submit documentation to:**

Oregon Department of Transportation  
Att: Product Evaluation Coordinator  
800 Airport Road SE  
Salem OR 97301-4798  
503-986-3059