

Standard Guidelines for Product Review
Traffic Delineators – Type 5;
Section 00840.10
December, 2016

Traffic Delineators – Type 5

We use five types of Traffic Delineators.

- Type 1 are flat, metal and designed to be driven into the ground.
- Type 1U are flat, metal, utility grade and designed to be driven into the ground.
- Type 2 are flat and designed to be driven into the ground.
- Type 3 are round and designed to be driven into the ground.
- Type 4 Alt - 1 are flat and designed to be mounted on guard rail posts.
- Type 4 Alt - 2 are flat, metal and designed to be mounted on guard rail posts.
- **Type 5 are barrier markers, designed to be mounted on top of concrete barrier.**

ODOT keeps a list of approved retro-reflectorized concrete barrier markers reflectors. To have your product listed, you must show compliance with the specifications listed below.

- Have a minimum retro-reflective area of 8 square inches with no dimension less than 2-inches.
- Be substantial in nature and capable of being mounted to the top of concrete barrier as shown in Standard Drawing TM 570 and being aimed at on-coming traffic without causing confusion.
- Delineators using sealed acrylic plastic prismatic reflex units shall conform to the following:

Observation Angle (Degrees)	Entrance Angle (Degrees)	Specific Intensity Candlepower per foot candle	
		White	Yellow
0.1	0	115	70
0.1	20	45	25
0.33	0	48	29
0.33	20	19	11

- Delineators using retro-reflective adhesive material shall have properties conforming to Type III, IV, VII or IX reflective sheeting, as specified by the Engineer. Provide retro-reflective sheeting on either one or both sides of the delineator, as specified by the Engineer.
- Delineators using steel structures to support the reflective material shall conform to the following:

	Min. Yield Strength, psi	Min Ultimate Strength, psi
Hot-rolled carbon steel (min. carbon content 0.32%)	40,000	70,000

- Delineators using aluminum structures to support the reflective material shall be at least 0.63” thick and conform to the “Aluminum sheet” category of Section 02910.10 of the current edition of the Oregon Standard Specifications for Construction.

Standard Guidelines for Product Review
Traffic Delineators – Type 5;
Section 00840.10
December, 2016

To apply for inclusion on the QPL, submit the following:

- Preliminary information for: [Product Evaluation Form](#).
- Independent test results showing compliance with specs listed above.
- Spec data sheet.
- Detailed installation/operating instructions with recommended adhesive information.
- List of limitations and precautions.
- Provide two working, production-line samples for evaluation.

Submit documentation and samples for evaluation to:

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