

Standard Guidelines for Product Review
Bicycle Channelizing Device
Section 00225.12J
April, 2016

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

00225.12J – Bicycle Channelizing Device

ODOT uses the bicycle channelizing device to provide positive guidance and separation from areas of active work for bicyclists traversing Oregon highway construction work zones.

To submit a product for review:

- Submit a completed Preliminary Information for Product Evaluation form for each model.
- List the Model Number on the submittal.
- Submit, shop drawings, brochures, pictures, samples, and or documentation sufficient for us to be able to determine that your product meets our specifications and is suitable for the application.
- Submit independent test results showing conformance to the crash tests required by MASH. It is your responsibility to determine if your product is crashworthy. Note that any use of this product with flashing lights or any other appurtenances will only be allowed if the appurtenance was included in the successful test of the channelizing device in accordance with MASH.

Specifications:

- 1) Crashworthy: All bicycle channelizing devices shall be crashworthy as per MASH*. Information on MASH can be found at the FHWA website:

http://safety.fhwa.dot.gov/roadway_dept/policy_guide/road_hardware/ctrmeasures/mash

*FHWA acceptance provided under NCHRP 350 – provided no changes to the physical specifications that would affect crashworthiness have occurred - will meet this requirement.

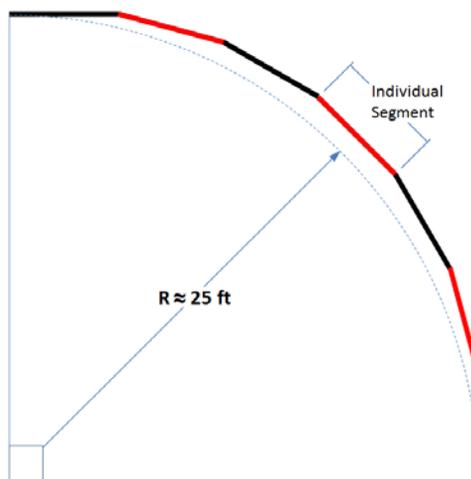
- 2) Labeling: In order to be placed on the QPL, the manufacturer must agree to place a permanent label on each device segment furnished for use on an ODOT project. The label shall include, at least, the following information:
- Manufacturer's Name and contact information
 - Part or Model Number
- 3) Made of tough, durable, low density, polyethylene, or similar materials that will resist shattering or separation into multiple parts if struck by vehicular traffic.
- 4) The device must accommodate a method of adding and removing temporary ballast of either water or sand.
- 5) The top surface shall be no lower than 12 inches and no higher than 24 inches* above the ground.
*Not including the sign support or delineators.
- 6) The top of the bicycle channelizing device is parallel to the bottom.

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- 7) The device must be able to mount delineator posts such that the posts reach a minimum height of 28 inches from the ground. The spacing between post locations should not exceed 10 feet across interlocked segments. White, ASTM (D4956-13) Type III or IV retroreflective sheeting for the delineator posts shall meet MUTCD requirements for a 28 inch tubular marker.
- 8) The bicycle channelizing device shall be free standing and not require outriggers or other braces that would protrude into the bicycle pathway.
- 9) The bicycle channelizing device is interlocking, stable, and non-flexible. When individual segments are connected together as a system, the system must be able to turn a 90 degree angle within a radius of approximately 25 feet, as shown:



- 10) Each bicycle channelizing device unit shall be furnished in either orange or white colors so that the colors can be alternated through the work zone. Each bicycle channelization device unit shall be delineated with a minimum of 72 sq. in. of white retroreflective sheeting per side. Sheeting shall conform to ASTM D4956-13 Type III or IV.

Please forward your request and/or questions to:
Oregon Department of Transportation Product Evaluation Coordinator
800 Airport Rd SE Salem OR 97301-4798
<http://www.oregon.gov/ODOT/HWY/CONSTRUCTION/QPL/QPIndex.shtml>