

**CHANNELIZING CURB
(REV 6-17-22)**

The following new Section is added after Section 701:

**SECTION 703
CHANNELIZING CURB**

703-1 Description.

Furnish and install channelizing curb at the locations for hardened centerlines and separated bicycle lanes as called for in the Plans.

703-2 Materials.

703-2.1 General: Manufacturers seeking evaluation of Channelizing Curb products for inclusion on the IPL shall submit an application in accordance with Section 6 and include the following documentation.

Table 703-1	
Documentation	Requirement
Product Photo	Displays the significant features of the product.
Detail Drawing	Drawing must include plan and elevation views identifying all physical dimensions and locations of mechanical anchors.
Technical Data Sheet	Uniquely identifies the product and includes product specifications, storage instructions, and recommended installation materials and equipment as applicable.
Safety Data Sheet for Channelizing Curb	Non-Hazardous, per RCRA Subtitle C
Safety Data Sheet for Adhesive (if required)	SDS meeting OSHA requirements for product and manufacturer recommended installation materials as applicable.
Installation Instructions	Include mounting surface preparations, and touch-up and repair procedures. Separate installation instructions are required for different substrates.
Product Sample	Upon request from the Department, submit a sample of the material or hardware. If the product is a system comprised of multiple parts, a sample of each part must be submitted.

703-2.2 Physical Properties: Channelizing curb must consist of preformed weather resistant segments that are surface applied to asphalt or concrete with mechanical anchors and/or

epoxy adhesive. The segments shall be made of a durable rubber intended for exterior use subject to vehicular traffic and meeting the following physical properties:

PROPERTY	Unit	Test	Minimum Value
Hardness	ShD	ASTM D2240	38
Tensile Strength	MPa	ASTM D638	9.0
Elongation at Break	%	ASTM D638	10
Tear Resistance	kN/m	ASTM 624	25
Resistance to Acids		ASTM D471	Excellent
Resistance to Bases		ASTM D471	Excellent
Density	g/cm ³	ASTM D792	0.900

703-2.3 Additional Requirements: Channelizing Curb materials shall be characterized as non-hazardous as defined by Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Provide supporting independent analytical data or product material safety data sheets (SDS) identifying any components listed in Table 1 of 40 CFR 261.24.

Additionally, retroreflective elements shall contain no more than 200 ppm by weight of lead or arsenic when tested in accordance with the Environmental Protection Agency (EPA) Testing Methods 3052, 6010B, and 6010C.

703-2.4 Hardened Centerlines: Provide channelizing curb with lengths as specified in the Contract Documents, with allowance for additional length for variations in end-cap lengths. The height must range from 2 inches to 3 inches. The width must range from 12 inches to 16 inches.

Use the same color as the pavement marking being supplemented. Color must be uniform and integral throughout the product. Alternating black and colored segments is not acceptable.

703-2.5 Bike Lane Separators: Provide channelizing curb with lengths as specified in the Contract Documents. The height must be at least 4 inches and no more than 6 inches. The width must be a minimum of 11 inches. The unit length may be composed of multiple equal segments.

Use the same color as the pavement marking being supplemented. The bottom half may be black for increased contrast.

703-3 Product Acceptance on the Project.

Use channelizing curb products listed on the Department's Innovative Products List (IPL).

703-4 Installation Requirements.

Install channelizing curb in accordance with the manufacturer's installation instructions posted on the IPL. If other products that are not currently listed on the IPL are desired, contact the monitor so they can be placed on the IPL.

703-5 Method of Measurement.

The quantity to be paid will be the length, in linear feet, of channelizing curb units furnished, installed, and accepted.

703-6 Basis of Payment.

Prices and payments will be full compensation for all work specified in this Section, including the cost of labor, materials, and incidental items required to complete the work.

Payment will be made under:

Item No. 921-703- Channelizing Curb - per linear foot.

Do Not Use Without
CO Specs Authorization