

1 Make the following section a part of the Standard Specifications:  
2

3 **“SECTION 691 – LONGITUDINAL CHANNELIZING CURB SYSTEM**  
4

5 **691.01 Description.** This section describes the installation of Longitudinal  
6 Channelizing Curb Systems (L.C.C.S.). The Longitudinal Channelizing Curb  
7 System shall be one of the following: Qwick Kurb System, FG Curb System, Dura  
8 Curb System, Tuff Curb System, or other HDOT approved equivalent.  
9

10 **691.02 Materials.**  
11

12 **(A) General.** The Longitudinal Channelizing Curb System shall utilize  
13 modular curb units and upright flexible, retroreflective posts or panels, as  
14 specified by the contract. The complete system shall be NCHRP Report 350  
15 or MASH compliant as approved by FHWA. Within 10 working days following  
16 award of the contract, submit certification attesting that the Channelizing  
17 Curb System satisfies NCHRP Report 350 or MASH and is approved by  
18 FHWA for high speed use.  
19

20 **(B) Curb Unit.** The modular curb units shall be able to interface with  
21 each other to form a continuous curb. Each modular curb unit shall allow the  
22 use of end units and be bolt fastened to the underlying pavement or bridge  
23 deck according to the manufacture’s recommendations. Each modular curb  
24 unit shall be made of high-density polyethylene or polyurethane, shall be UV  
25 resistant, and include curb retroreflectors. The Channelizing Curb System  
26 shall be designed such that it can be formed into a radius or curve, when  
27 required to follow the roadway geometry.  
28

29 Individual modular curb units shall have a minimum length of 30 to 45  
30 inches, height of 2-to 4 inches, and width of 7 to 12-1/2 inches. Each  
31 modular curb unit color shall be either yellow or white and match the adjacent  
32 pavement marking.  
33

34 **(C) Upright Post or Panel.** Each modular curb unit shall include at  
35 least one upright post or panel. The number of posts or panels shall be as  
36 shown in the contract. Post or panel shall be flexible plastic, be able to  
37 withstand multiple errant vehicle impacts, and be UV resistant. Overall post  
38 height and retroreflective bands shall comply with the MUTCD. Posts shall  
39 be either yellow or white and match the modular curb unit and adjacent  
40 pavement marking.  
41

42 **691.03 Construction Requirements.**  
43

44 **(A) Surface Preparation.** The Longitudinal Channelizing Curb system  
45 shall be installed on clean, dry, and even surface. Clean roadway surfaces

of debris with compressed air and dry the surface before placing curb. If pavement markers, delineator bases, and/or other irregularities are present, they shall be removed to provide a clean, dry, and even surface for mounting.

**(B) Installation.** The Longitudinal Channelizing Curb System alignment, along with any drainage spaces, shall be laid out and marked. The Engineer shall approve the alignment prior to installation. If the Longitudinal Channelizing Curb system needs to be realigned after installation, the Longitudinal Channelizing curb system shall be lifted and then relocated. Sliding, dragging, or shoving of the Longitudinal Channelizing curb system to correct alignment shall be grounds to reject the material.

Once the Longitudinal Channelizing Curb System alignment is complete and approved by the Engineer, drill the mounting holes into the pavement or bridge deck. Mount each modular curb unit and post(s) or panel(s) with appropriate anchors as recommended by the manufacturer. Install the arched curb retroreflectors as recommended by the manufacturer.

**691.04 Method of Measurement.** The Engineer will measure the Longitudinal Channelizing Curb System as per each complete unit in accordance with the contract documents.

**691.05 Payment.** The Engineer will pay for the accepted Longitudinal Channelizing Curb System on a contract price per unit according to the contract. Payment will be in full compensation for work prescribed in this section and the contract documents.

The Engineer will pay for the following pay item when included in the proposal schedule:

Pay Item	Pay Unit
Longitudinal Channelizing Curb System	Each"

**END OF SECTION 691**