

BRIDGE DESIGN STANDARD PRACTICES

The following standard practices were established by the Bridge Design Standard Practices Committee.

1. **Protective Fences on New Construction**

Article 12.2.2 of the Bridge Design Manual will be revised in an upcoming revision to reflect that structures without sidewalks, which carry local or secondary roads over limited access highways, will be required to have protective fences. Since the protective fence will also serve the function of a pedestrian or bicycle rail, separate pedestrian or bicycle rails will not be required.

In addition, fences on structures without sidewalks should be set back as much as possible from the front edge of the parapet to avoid damage by snowplows. Fences on sidewalk parapets should be flush with the inside face of the parapet. In all cases, the top of the fence should be at least 2440 mm above the sidewalk or roadway surface and the maximum size of the mesh should be 50 mm. The need for protective fences on historic structures, in particular Merritt Parkway overpasses, should be evaluated on a case-by-case basis.