

# Washington State Design Manual

## Providing Engineers with the Tools to Design Safe Pedestrian Crossings

**Sponsoring Agency:** Washington State Department of Transportation (WSDOT)

**Plan Date:** 2017

**URL:** <https://www.wsdot.wa.gov/Publications/Manuals/M22-01.htm>

### Summary

This manual facilitates the development of a highway system consistent with the needs of the multimodal traveling public and provides detailed guidance on target speeds and the installation of marked crosswalks at uncontrolled intersections and mid-block locations.

### Highlights

**CROSSWALKS AT INTERSECTIONS:** Legal crosswalks exist at all intersections, whether marked or not. Crosswalk markings are provided on all legs of an intersection, except in rare cases. (p. 1510-23)

**MIDBLOCK CROSSWALKS:** On roadways with pedestrian crossing traffic caused by nearby pedestrian generators, a midblock crossing may be appropriate. (p. 1510-25)

**COUNTERMEASURES AT CROSSWALKS:** Detailed guidance exists on curb extensions, traffic islands, and illumination. (pp. 1510-27; 1510-29; 1510-42)

**LANE WIDTHS AND CROSSING DISTANCE:** Reduced lane widths allow more lanes to be provided in areas with constraints and allow shorter pedestrian crossing times because of reduced crossing distances. (p. 1231-3)

**INTERSECTION DESIGN:** WSDOT's policy provides flexibility when choosing the intersection design vehicle and balances user needs to avoid the unnecessary expense of oversizing intersections. Considerations include frequency of the design vehicle and effects on other design users, specifically pedestrian crossing distance and times. (p. 1103-6)

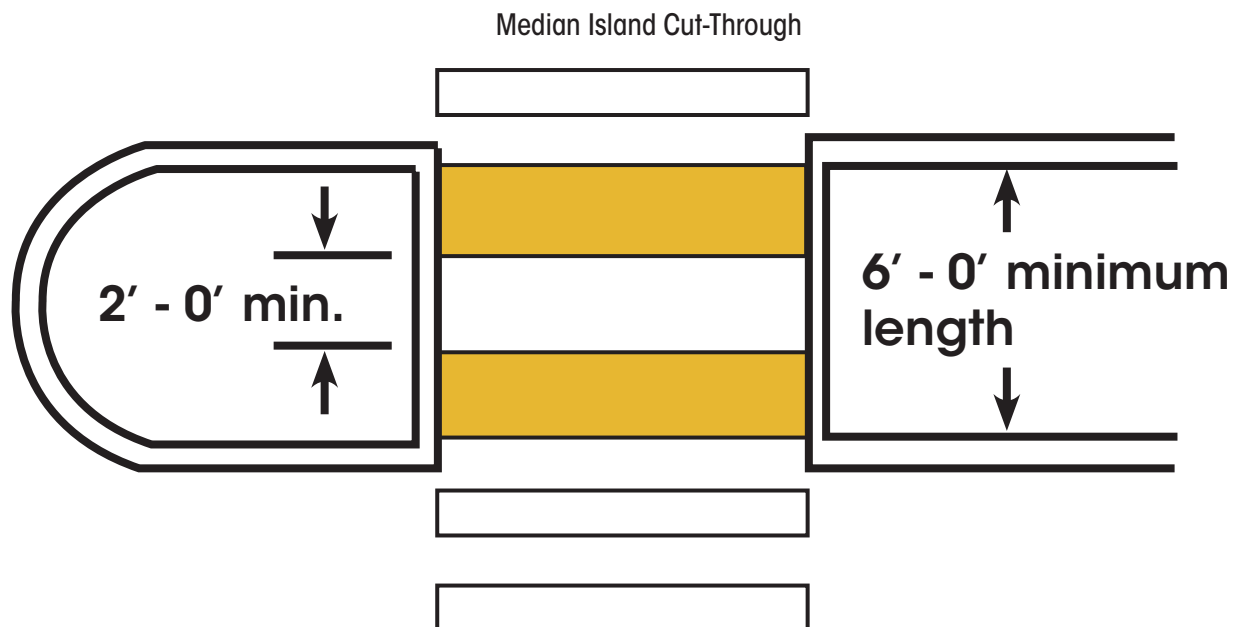


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