

10. Highway Capacity

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1000. Design

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1000.1. General

The Alaska Department of Transportation and Public Facilities (DOT&PF) adopted the Transportation Research Board Special Report 209, Highway Capacity, 2010, (HCM) as policy. The HCM is a tool for calculating capacity.

Target Level of Service (LOS) goals are not established in the HCM, LOS targets for 3R and new construction are established on a project-by-project basis using the 2011 AASHTO Green Book, Section 2.4.5. The result is the opportunities for transit and non-motorized LOS will be no less than for mainline or side street vehicular LOS. Traffic control devices to improve LOS are subject to selection criteria in the Alaska Traffic Manual.

This chapter supplements the HCM.

Where discrepancies occur between the HCM, this manual, and the 2011 AASHTO *A Policy on Geometric Design of Highways and Streets* (AASHTO Green Book), a listed part shall take precedence over those listed below it:

- This manual
- The AASHTO Green Book
- The HCM

1000.2. HCM Supplement

Chapters 1-15: No changes.

Chapters 16-23: Transit and non-motorized LOS design analysis is not required.

1000.3. Waivers from Design Criteria

Develop waivers to the design criteria presented in this chapter in accordance with Section 1100.3 of this manual.

No waiver is required to use above-minimum stated design standards.

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