

Highway Capacity Manual

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Highway Capacity Manual

The Highway Capacity Manual (HCM) is a publication of the Transportation Research Board of the National Academies of Science in the United States. It contains concepts, guidelines, and computational procedures for computing the capacity and quality of service of various highway facilities, including freeways, highways, arterial roads, roundabouts, signalized and unsignalized intersections ...

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The highway capacity manual makes no recommendations regarding the level of service to be selected for the design of different types of highways. The choice is left to the designer to select an appropriate level of service based on economy and need. Fig. 4.49 shows the typical relationship between operating speed and volume/capacity ratio.

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The Highway Capacity Manual (HCM) is a publication of the Transportation Research Board of the National Academies of Science. It contains concepts, guidelines, and computational procedures for computing the capacity and quality of service of various highway facilities, such as:

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- Arterial roads
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The Highway Capacity Manual provides transportation practitioners and researchers with a consistent system of techniques for the evaluation of the quality of service on highway and street facilities.

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