



## Transportation Assessment

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### **PURPOSE:**

This document provides guidance for the preparation of a Transportation Assessment which may be required for the submission of an application under the *Planning Act*. All Transportation Assessments shall follow the guidelines referenced in this document.

**Note:** A “Transportation Assessment” is referred to as a “Transportation Impact Study” in both the Urban Hamilton Official Plan and Rural Hamilton Official Plan. Please reference this document when preparing a “Transportation Impact Study”. A future housekeeping amendment to the Urban Hamilton Official Plan and Rural Hamilton Official Plan will update the name of the requirement.

A Transportation Assessment provides information to determine the potential impacts of traffic changes on a municipal road caused by a proposed development. The assessment identifies any infrastructure improvements or mitigation measures required to ensure the road network will operate acceptably and safely upon completion of a proposed development.

### **PREPARED BY:**

The Transportation Assessment must be prepared by a consultant registered as a Professional Engineer in the province of Ontario. The consultant must affix their stamp and seal and specifically identify the engineer who prepared the work. The consultant is expected to be a qualified transportation consultant experienced in transportation planning or traffic engineering.

### **CONTENTS:**

The Transportation Assessment must be completed as per the City’s approved Transportation Assessment Guidelines.

The need for a Transportation Assessment, the type of Transportation Assessment required and the terms of reference for the Assessment are to be confirmed through a pre-study consultation with Transportation Planning staff. The need for a multi-modal level of service (MMLoS) assessment will also be confirmed through the pre-study consultation process. The Transportation Assessment may be provided as a standalone document or as a separate section within a broader document containing the required transportation studies.

## Transportation Assessment – Development Application Guidelines

The Transportation Assessment should consider all modes of travel including cars, trucks, transit, cyclists, and pedestrians. The Transportation Assessment may be required to include:

### **Trip Generation Letter/Memo:**

- General description of the proposed development (location, size/number of units, parking provisions);
- Estimated site trip generation; and,
- Qualitative statement of impacts to transportation network and identification of required and implementable mitigation measures.

### **Transportation Assessment:**

- General description of the proposed development (location, size/number of units, access locations, phasing, etc.);
- General description of the study area including adjacent roadways (classification, number of lanes, turn lane lengths, posted speeds, posted parking restrictions, etc.) and intersection traffic control;
- Existing and planned transit service and active transportation facilities, including maps;
- Estimated site trip generation and assignment, including figures and tables;
- Horizon years and time periods for the analysis;
- General discussion of background traffic growth rates and other area development traffic including in forecasts;
- Existing, background, and future total traffic volume estimate figures and resulting levels of service analyses (background required only for full study), including identification of intersections or movements exceeding critical thresholds;
- Baseline, target and achieved multi-modal level of service (MMLOS) assessments for each road segment, intersection, and driveway (when MMLOS analyses are required); and,
- Conclusions and recommendations, including identification of required and implementable mitigation measures and phasing and implementation strategies, if applicable.

### **OTHER INFORMATION:**

City of Hamilton Transportation Assessment Guidelines:  
[Transportation Assessment Guidelines | City of Hamilton](#)

### **REVIEWED AND APPROVED BY:**

Transportation Planning, Planning and Economic Development Department

### **CONTACT:**

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