Transportation Assessment

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.

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

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