Cycling Route Analysis

PURPOSE:

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

A Cycling Route Analysis provides information about the ability of the existing or planned cycling facilities to accommodate additional development related cycling trips and identifies when new facilities or infrastructure may be required on- or off-site to encourage cycling trips. A Cycling Route Analysis is intended to provide the applicant direction in the promotion and facilitation of cycling as a primary mode of transportation, resulting in a reduction in auto trips and a shift to more sustainable modes of transportation. A Cycling Route Analysis may be required when a development has the potential to create or increase cycling trips, resulting in the need for improvements to existing facilities or provision of additional capacity / new infrastructure. The need for a Cycling Route Analysis will be identified during the Formal Consultation stage or when a formal application without an FC is submitted to the Planning Division. The need for a Cycling Route Analysis is a minimum submission requirement within the Urban Hamilton Official Plan and Rural Hamilton Official Plan checklists for the submission of a Zoning By-law Amendment, Official Plan Amendment, Plan of Subdivision, and Site Plan Control Application.

PREPARED BY:

The Cycling Route Analysis must be prepared by a consultant registered as a Professional Engineer (P. Eng) 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 need for a Cycling Route Analysis and the terms of reference are to be confirmed through a pre-study consultation with Transportation Planning staff. The Cycling Route Analysis should reflect the information and recommendations contained within the most recent Cycling Master Plan documents. The Cycling Route Analysis may be provided as a standalone document or as a separate section within a broader document containing required transportation studies.

Depending on the site and development proposal, the Cycling Route Analysis may be required to:

- Provide a description of the study area and the proposed development site;
- Provide a site plan illustrating the proposed supply and location of onsite short-term and long-term bicycle parking and the access points/routes to long-term and short-term bicycle parking spaces, which meet or exceed the AODA standards;
- Outline the existing study area cycling and bikeshare facilities and infrastructure, including direct connections to other sustainable travel modes (e.g., transit stops or stations);
- Identify gaps in the cycling network and/or bikeshare facilities around a proposed development;
- Estimate and assign the site generated cycling traffic to the study area road network;
- Determine the need for connections between the proposed development and existing cycling network; and,
- Provide recommendations on the preferred facility to connect the proposed development to the existing network, where appropriate.

OTHER INFORMATION:

Cycling Master Plan

Hamilton's Cycling Master Plan | City of Hamilton

Complete Streets Design Manual

Complete Streets Design Manual | City of Hamilton

School Site Design Guidelines for Active and Sustainable Transportation

School Site Design Guidelines for Active and Sustainable Transportation | City of Hamilton

Ontario Traffic Manual Book 18 Cycling Facilities

https://www.library.mto.gov.on.ca/SydneyPLUS/Sydney/Portal/default.aspx?component=AAAAIY&record=9c49ce44-e3b2-4389-91cd-5e9b67aad03d

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