



Hamilton
Public Works

North End Traffic Management Plan - Monitoring Program

This monitoring program in consultation with City of Hamilton staff and representatives from the North End Neighbours Neighbourhood Association has been developed to ascertain the baseline data necessary to conduct the before and after impacts of the NETMP improvements. Several possible parameters were identified within the NETMP, building upon this list the following data set themes have been identified:

- Public Safety (Transportation)
- Public Health
- Transportation Demand Management (Modal Shift)
- Neighbourhood Parking Management
- EMS/Fire Response Times
- Road Maintenance Operations Impacts
- On-going comments received by City from residents
- Residential and Commercial Property Values
- Residential and Non-Residential Building Permits
- Resident and Business Surveys before and after implementation

Each of the above data sets requires inter-departmental and public participation to collect and coordinate the necessary data to feed into a successful monitoring plan. Key stakeholders include:

- Public Health
 - Air Quality & Climate Change
 - Health Living Division
 - Environmental Health Division
- Public Works
 - Transportation Planning Services, HSR, and Mobility & Special Programs
 - Corporate Assets & Strategic Planning
 - Surveys & Technical Services
 - Design & Construction
 - Road Maintenance & Operations
- Planning & Economic Development
 - Hamilton Municipal Parking System
- Corporate Services
- EMS, Fire & Police Services
- City Manager's Office
- City Council (Councillor Farr)
- North End Neighbours and North End Community at Large

Table 1: Draft Monitoring Plan

Data	Description
Air Quality	<ul style="list-style-type: none"> • Mobile Air Quality Monitoring
Collision Data	<ul style="list-style-type: none"> • Vehicular, pedestrian and cyclists collisions
Traffic Volume/ Speed	<ul style="list-style-type: none"> • Conduct speed and volume surveys (various locations) • Conduct spot speed surveys (various locations)
Transit Operations	<ul style="list-style-type: none"> • Boardings on routes within the study area • Transit travel time impacts
Pedestrian / Cycling Activity	<ul style="list-style-type: none"> • On-Road Bike tube count locations • Off-road Pedestrian/Bike count locations
Vehicle Occupancy / Modal Shift	<ul style="list-style-type: none"> • Persons per vehicle counts along selected corridors • Individualized TDM Marketing Plan
Parking	<ul style="list-style-type: none"> • On-street parking violations within the study area (on-complaint basis) • Changes to on-street parking management
Community Traffic Issues	<ul style="list-style-type: none"> • Complaints received by Community Traffic • Traffic infiltration
Public Health	<ul style="list-style-type: none"> • Physical Activity / Obesity Rates • Chronic Disease (respiratory, diabetes etc.)
EMS / Fire / Police Services and Operations	<ul style="list-style-type: none"> • Impacts on response times (anecdotal) • Enforcement of Highway Traffic Act • Impacts on garbage/recycling collection winter maintenance operations (anecdotal)
Community Impacts	<ul style="list-style-type: none"> • Social/Health Equity • Residential/Commercial assessment values • Building Permits (frequency and value)
Public Consultation	<ul style="list-style-type: none"> • Social cohesion/connectedness • Resident Surveys

Table 2: Other Data Sources

Data	Purpose
Census Canada	Changing Demographics/Transportation/Owned Home Value
Transportation Tomorrow Survey (TTS)	Changing Transportation Characteristics
Canadian Community Health Survey	Health-related data for ages 12 years and older

Measures of Effectiveness:

The development of key performance indicators to address the effectiveness of the proposed NETMP improvements should align with the hypothesised outcomes, vision and problem/opportunity statement identified in the Plan and current City Strategic Plan. The following key performance indicators have been identified in the table below.

Table 3: Draft Key Performance Indicators

Indicator	Performance Measurement	Before Scenario (2013)	After Scenario (on-going & after implementation)
Public Safety (Transportation)	<ul style="list-style-type: none"> • Decrease in private automobile operating speeds • Adherence to posted speed limits • Adherence to traffic control devices • Decrease in collisions 		
Public Health	<ul style="list-style-type: none"> • Improvement of Air Quality • Decrease in Obesity • Decrease in Chronic Disease 		
Transportation Demand Management	<ul style="list-style-type: none"> • Increase in alternative travel modes (i.e. transit, walking, cycling) • Increase in vehicle occupancy • No decrease in transit operating speeds • Stabilizing vehicular traffic volumes • Reduction in on-street parking demand 		
Operations	<ul style="list-style-type: none"> • No decrease in EMS/Fire response times • No decrease in service operations 		
Community Impacts	<ul style="list-style-type: none"> • Increase in building permit activity (res/non-res) • Increase in property values • Increase in perception of safety • Increase in perception of social cohesion/ connectedness • Increase in public participation • Improve equity 		