REGIONAL SUSTAINABLE TRANSPORTATION Master Plan









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INTRODUCTION

Transportation is the lifeline of a community. It is more than just moving people, goods and services. It is an integrated system that connects people, influences their day-to-day activities and promotes a healthy, sustainable and vibrant community now and in the future. Destination 2040 What moves you? is the Regional Sustainable Transportation Master Plan (RSTMP) that develops the framework for the future integrated transportation system in the City of Moncton, City of Dieppe and Town of Riverview. It is a long-range transportation master plan that includes short, medium and long-term strategic policy direction and broadly defined programs that will guide future development of transportation networks in the region over the next 30

OBJECTIVES

The objectives of the RSTMP are to provide the region with:

- A vibrant mixed-use transportation network that includes residential, commercial, retail, recreational and other public spaces, together with cultural, entertainment, research, and learning opportunities that create a sustainable and livable community now and in the future.
- An urban, pedestrian-oriented environment that is characterized by ease of access, attractive public realm, and manageable levels of congestion.
- An interconnected, multi-modal transportation system that is not only sustainable, but enhances the region's character and appeal, including downtown centres and community wide while connecting to the larger region.
- Lower regional carbon footprint through the use of alternative modes of transportation.
- Implementation strategies within the transportation system that will guide the decision making process for the next 30 years to best serve the community, and to provide policies to guide the transportation plan within the Municipal Plan objectives.

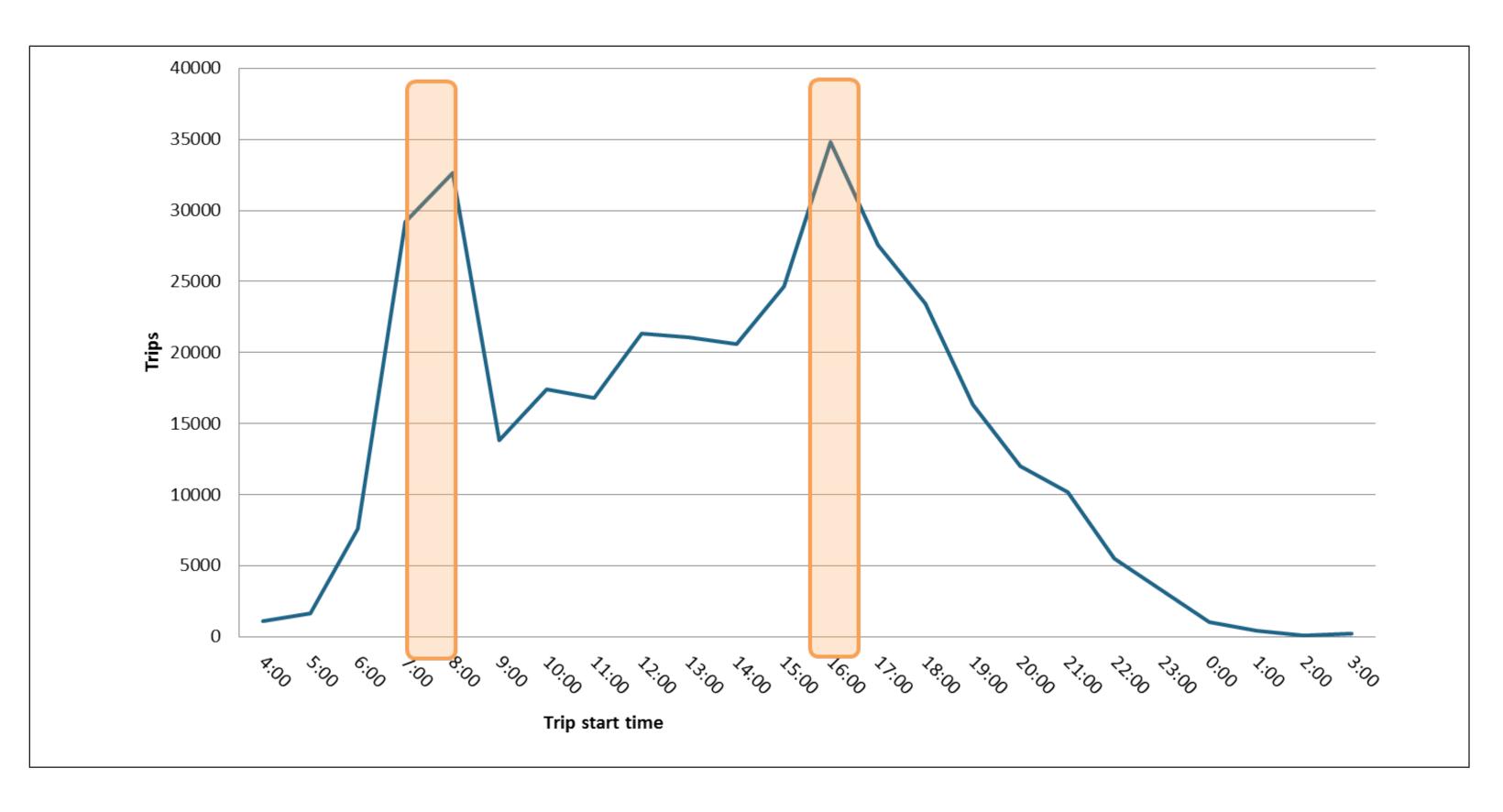
STATISTICAL / ANALYTICAL METHODS

Population

In 2011, the population of the Moncton Census Metropolitan Area (CMA) was 138,644, an increase of 9.7% from 2006, making it the fastest growing CMA in Eastern Canada over this time frame. In Canada as a whole, by comparison the national growth was 5.9% nationwide and 7.4% among all CMAs. The highest rate of increase was in Dieppe, with growth exceeding 25%. The dominant choice for commuting is the auto drive mode which captures 86% of all trips.

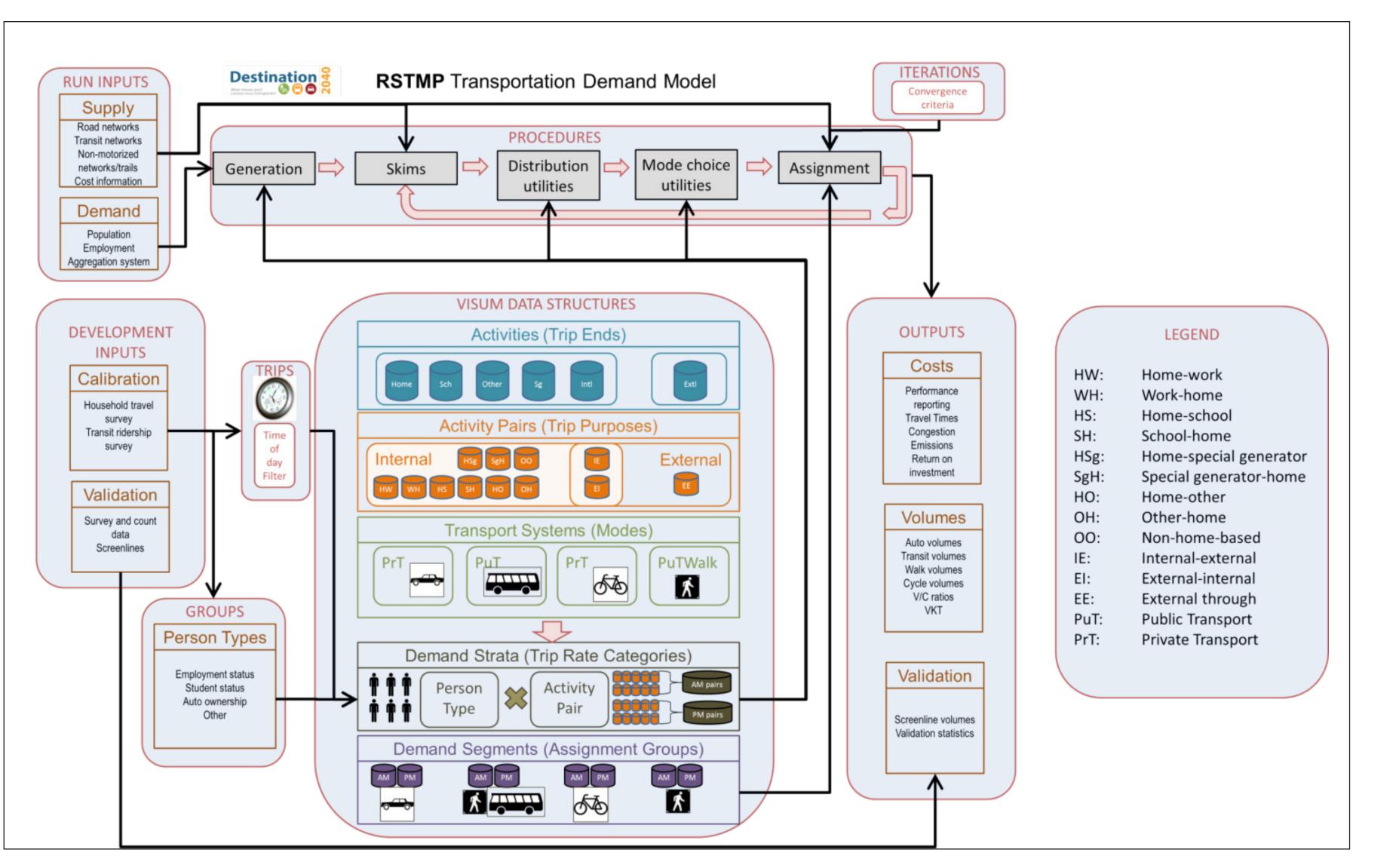
Household Travel and On-Board Transit Surveys

To support the development of this plan, the three municipalities have undertaken a number of projects including the collection of baseline transportation data and the development of a travel demand model. The Household Travel Survey (HTS) and the On-Board Transit Survey were conducted in the spring of 2013 and involved the collection of daily household travel data (i.e., all trips made over the course of a 24-hour working weekday) from a sample of residents of the City of Moncton, City of Dieppe and Town of Riverview and intercept surveys with Codiac Transpo riders on-board buses and at transit exchanges.



Travel Demand Model

Attaining the objectives of the plan will require informative outputs from the travel demand forecasting model. The travel demand forecasting model developed for the study is designed as a macroscopic model suitable for strategic planning applications, macroscale forecasting, and identification of network needs across the Tricommunity.



SUMMARY / RESULTS

Issues and plan directions identified by the public:

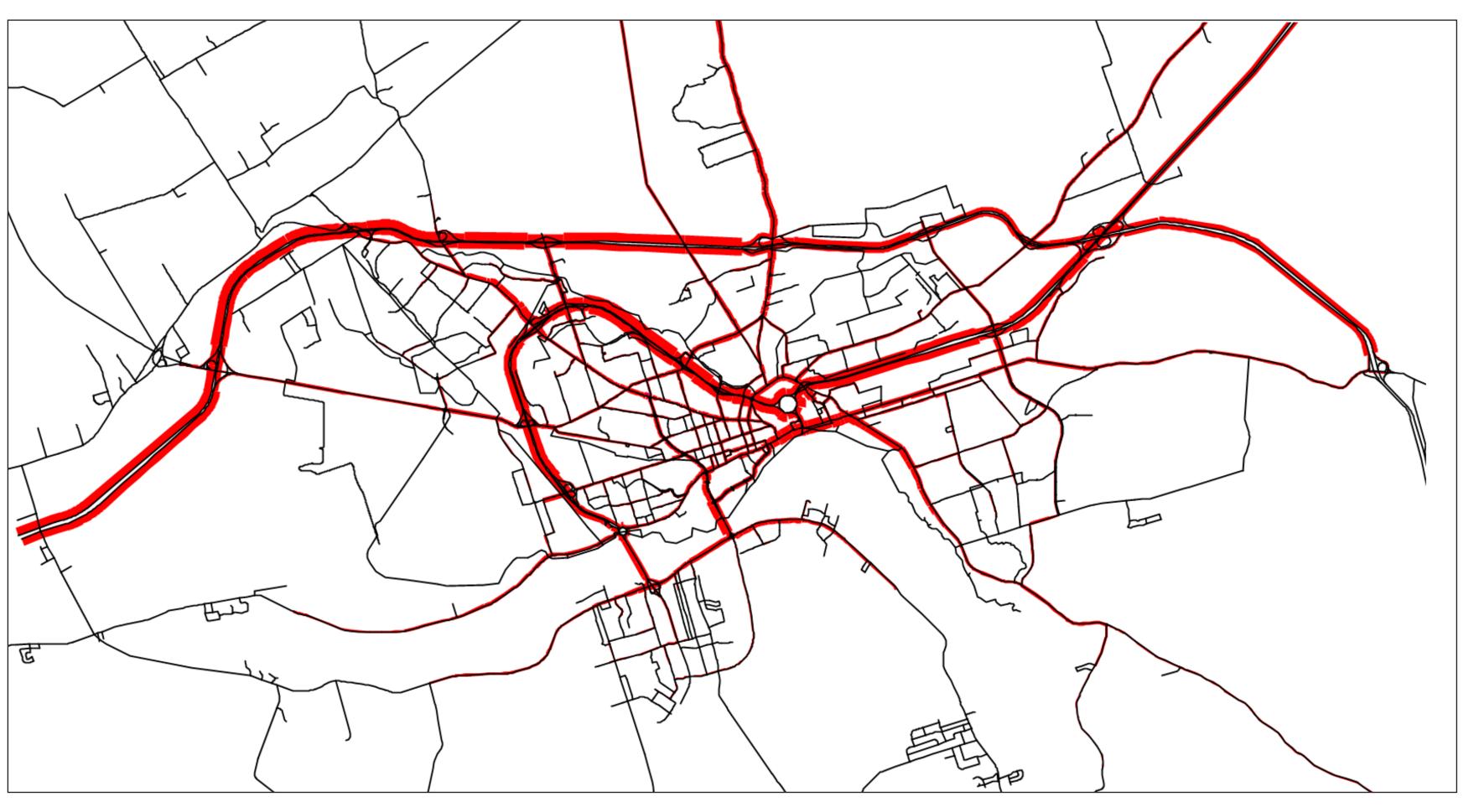
- There is a need for a culture shift away from a "car at all costs mentality". People want to see shared clarity toward a system that reflects the overall evolving needs of the population.
- Choice and Ease should be designed into transportation networks (including transit, cycling and walking) so that options are available, clearly communicated, and easy to navigate.
- Connectivity is required within the three communities through roads, public transportation routes, cycling and walking trails to link communities and destinations, and connectivity between modes of transportation.
- Densification and Complete Neighbourhoods Municipalities should be integrating decisions around land use planning and urban design with transportation planning.
- Multi-Modal Options are needed including Park and Rides, a thorough bicycle network, walking paths, trains, and buses.
- Efficient Public Transportation should be bringing people between destinations and communities in a direct, frequent, and timely manner.
- Accessibility is imperative, including affordability and ease of access for people with disabilities and seniors.
- Safety is necessary for people of all ages and abilities, using all modes of travel in all seasons.

Issues identified by the model and technical analysis

An analysis of the road network based on running the VISUM model for base year conditions indicated that the highest level of congestion is to be found in the PM peak. The links prone to congestion are mainly located either close to downtown Moncton, where a high volume of traffic can be expected, or at key connection points such as the crossings to Riverview or in the vicinity of highway interchanges

FUTURE DIRECTIONS

The Tricommunity's vision for transportation is: "Our communities will work together to deliver a transportation system by 2040 that connects people sustainably, safely and seamlessly across Moncton, Dieppe and Riverview, and to create a quality multimodal transportation system accessible by residents of all ages, abilities and economic levels, integrated with mixed use neighbourhoods. We will decrease automobile dependence, promote walking, cycling, car-sharing, transit and train travel, and enhance our residents' quality of life through improved health, economic benefits, reduced travel cost, and aesthetic enhancement of our environment."



This vision is supported by seven planning principles, a set of strategies, performance indicators and measures that will be used to gauge the effectiveness of actions and decisions leading to fulfilling the vision.

Future transportation system will be build on the framework of:

Intensify land use patterns

- Include planning density in development plans Create walkable outdoor shopping areas • Develop complete (mixed-use) neighbourhoods • Provide urban amenities in suburban areas
- Manage travel demand
- Increase parking charges Provide incentives to live downtown Add park-and-ride lots on Dieppe and Champlain Blvds • Provide incentives to car-share or cycle to work.

Maximize network efficiency

Reduce space allocated to parking downtown • Integrate transport and land use planning • Increase transit frequency • Improve traffic operational efficiency.

Build a multimodal network

 Add transit to airport • Develop all-mode hubs • Improve direct transit and transfer-free connectivity • Connect bike lanes and trails into a

Improve connections between communities

• Provide regional transit outside communities • Connect trails to schools and universities • Improve non-auto connections • Develop alternatives to congested link roads.

Provide for safety and ease of use

- Hold public education and awareness campaigns Improve communications to users • Add more separated bike lanes • Provide bus service for old and disabled • Clear all sidewalks of snow.
- Promote environmental sustainability and reduce GHG emissions
- Reduce volume of cars in urban areas Encourage active transportation as healthy alternative • Provide programs in support of walking and transit use • Use electric transit.

