

TRANSPORTATION FACT BOOK 2011

FOURTH EDITION



I N F R A S T R U C T U R E P L A N N I N G B R A N C H



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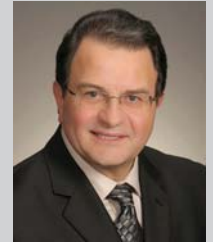
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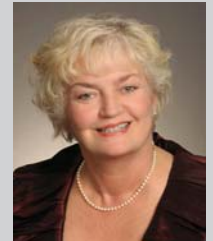
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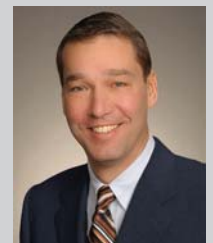
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A Message from York Regional Council

The fourth edition of the Transportation Fact Book provides a wide range of data and statistics on transportation system usage, road capacity and travel patterns in The Regional Municipality of York as of 2011.

Published every two years since 2005, the Transportation Fact Book highlights York Region's traffic management system, public transit and active modes of transportation such as walking and cycling, and transportation demand management initiatives.

At a time when York Region continues to face significant population growth and transportation challenges, the Transportation Fact Book is an important resource for planning the transportation requirements of our new and evolving communities.

We encourage our municipal partners, stakeholders and residents to use this publication available on our website at www.york.ca to inform your work and discussions on transportation matters within the Region.

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CHAPTER 1: INTRODUCTION

- Preface
- York Region at a Glance



The *2011 Transportation Fact Book* contains general information and statistics about the transportation system in The Regional Municipality of York. It highlights the major aspects about road and transit infrastructure, commuter support services and programs that are built and maintained by York Region or in partnership with other municipalities in the Greater Toronto Area (GTA). The *Transportation Fact Book* provides:

- A reference document, to provide an overview of York Region's transportation system components and their use, and a context for monitoring the performance of the system components.
- A high-level document, to inform Regional Council, senior management, other Regional departments and the public of transportation services and programs available.
- A report, to demonstrate the policy value of data collection and the reliability and consistency of the data and collection methods used in the Region.

The Transportation Fact Book is organized into seven chapters to provide the reader with a series of related transportation facts and figures. Included within the chapters are:

Chapter 1 - Introduction:

a general overview of The Regional Municipality of York

Chapter 2 - Roads & Traffic Management:

provides information about the Region's transportation systems and various roadway characteristics

Chapter 3 - Public Transit:

provides information on the public transit services and operations in the Region including York Region Transit, VIVA and GO Transit

Chapter 4 - Active Transportation:

provides information about non-motorized modes of transportation which include walking and cycling

Chapter 5 - Transportation Demand Management:

provides information on initiatives conducted by the Region to manage travel demand during peak periods



Chapter 6 - Travel Demand & Trends:

provides an overview of weekday travel indicators based on transportation system surveys

Chapter 7 – Contact & General Information:

provides contact information of local municipalities, transportation agencies and operators in York Region

What's New in this Edition

The *Transportation Fact Book* will evolve over time with new information added in each subsequent report. Although most of the topics within the previous versions of the *Transportation Fact Book* are in this update, this edition has been reorganized to provide the reader with a consistent grouping of content. The groupings are intended to better represent the four major elements of transportation, including traffic management, transit, active transportation and TDM in York Region. Key projects and initiatives are categorized under these elements.

If you have any questions or comments or require further information on the report, please email or mail to:

Transportation and Community Planning Department
The Regional Municipality of York
17250 Yonge Street, Box 147
Newmarket, Ontario L3Y 6Z1

email: transportationservices@york.ca

York Region is part of a broader Greater Toronto and Hamilton Area (GTHA) where more than six million people live. It has a two-tier government structure, with services provided by the Region and local municipal governments. Nearly 1.1 million people live in York Region, which encompasses 1,776 square kilometres (686 square miles), stretching from Steeles Avenue in the south to Lake Simcoe and the Holland Marsh in the north.

York Region's diverse communities, emerging urban centres, competitive industries, diverse natural environment and strategic location in the Greater Toronto and Hamilton Area continue to attract dynamic growth. By 2031, it is anticipated that York Region will reach 1.5 million residents, 780,000 jobs and 507,000 households.

In 2010, York Region's 3,487 lane kilometres of Regional roads carried approximately 16.5 million vehicle kilometres of travel everyday.

In 2010, over 19.4 million passengers rode on York Region Transit and Viva services.

QUICKFACTS

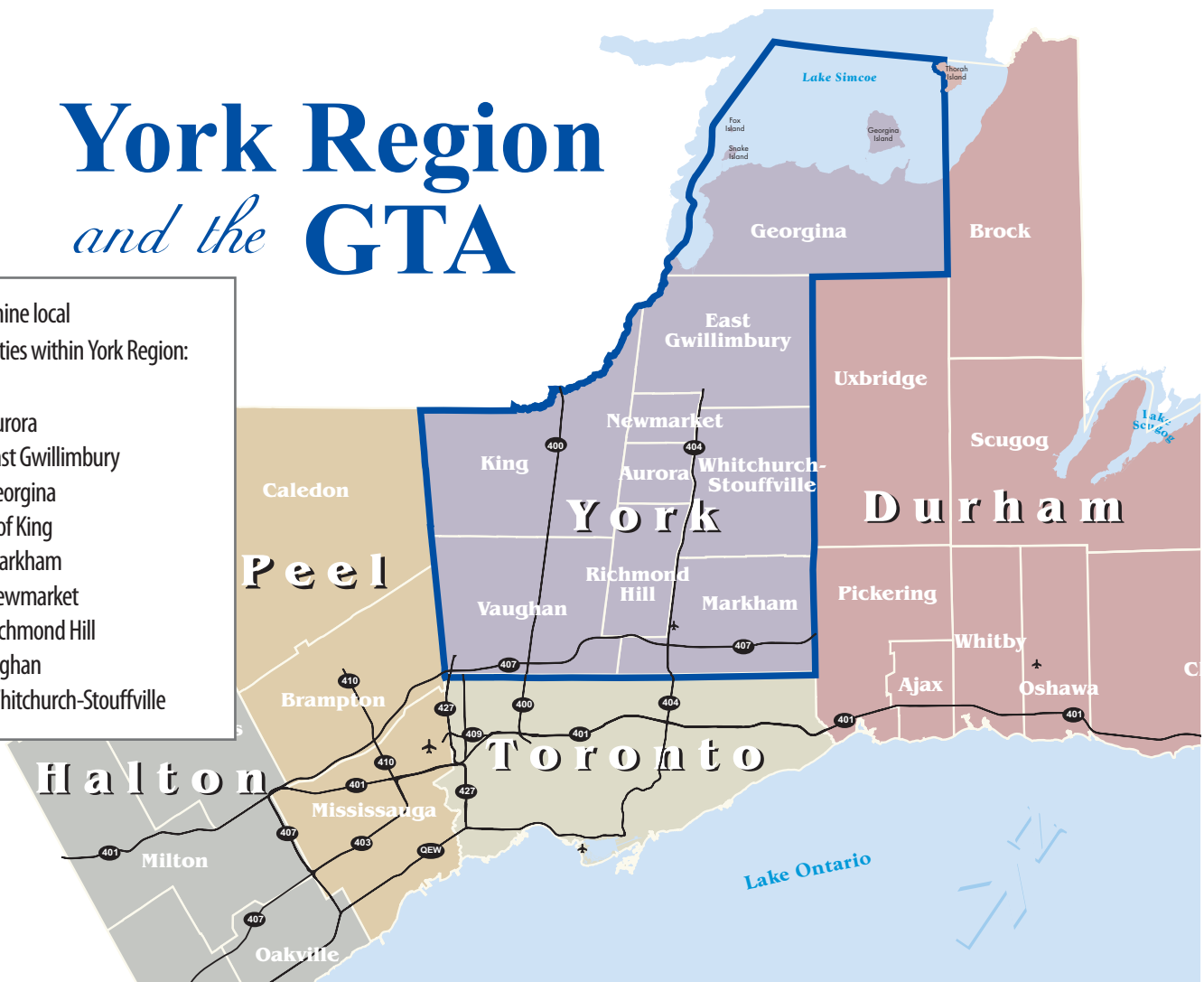
- 41% increase in population over the past 10 years from 753,900 in 2000 to 1,062,000 in 2010
- 143,600 new residents in the past five years (average of 28,720 per year)
- 139,000 new jobs since 2000

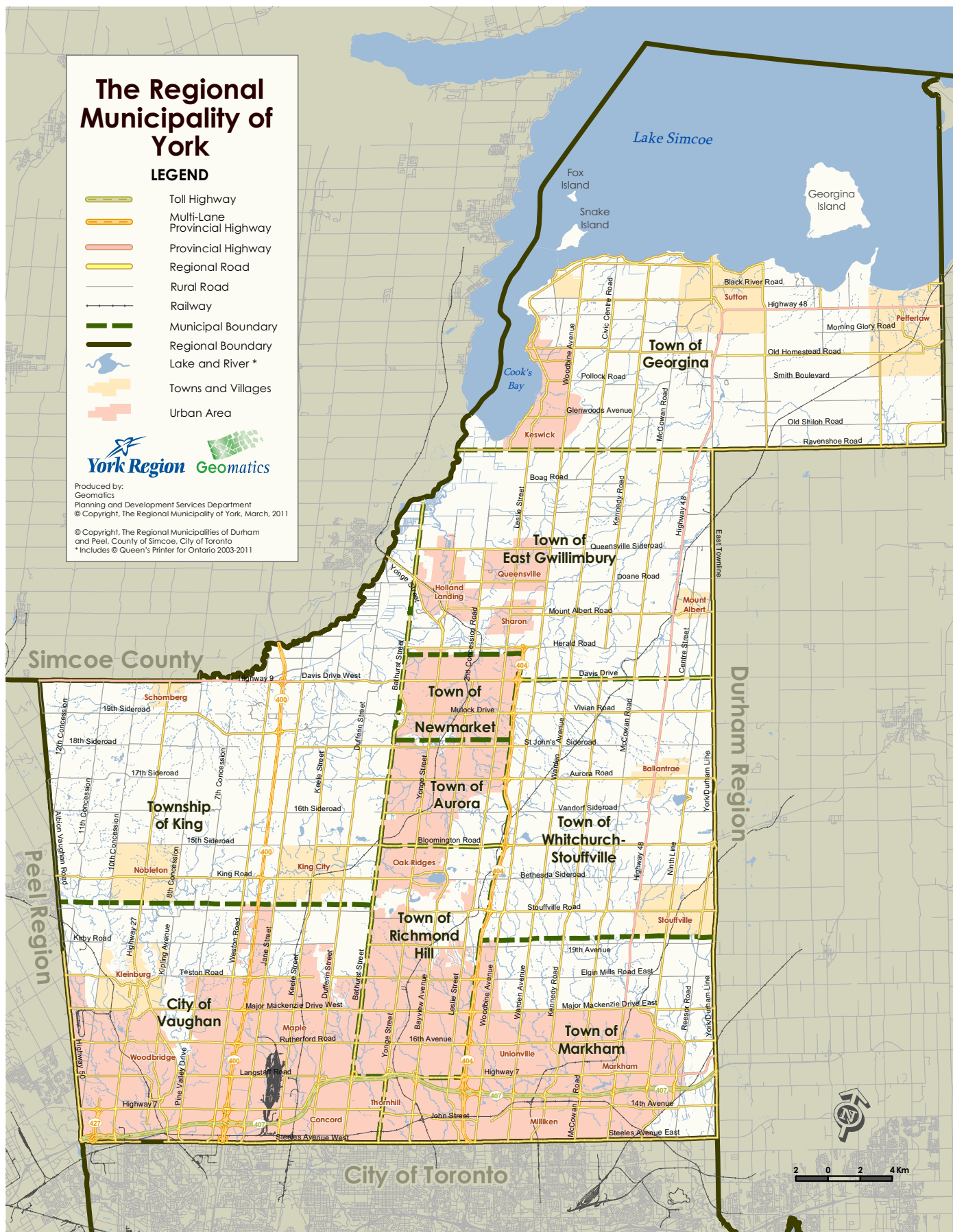
Growth will continue in the future with an estimated population increase of 41% (438,000 people) by 2031 to 1.5 million residents.

York Region *and the* GTA

There are nine local municipalities within York Region:

Town of Aurora
Town of East Gwillimbury
Town of Georgina
Township of King
Town of Markham
Town of Newmarket
Town of Richmond Hill
City of Vaughan
Town of Whitchurch-Stouffville





CHAPTER 2: ROADS & TRAFFIC MANAGEMENT

- Road System in York Region
- Road Functional Classes
- Regional Road Network
- 10 Year Roads Construction Program
- Road Widening and Resurfacing: 2001-2010
- Railway Crossings
- Road Speed Zones
- Road Traffic Monitoring Program
- Annual Average Daily Traffic (AADT)
- Top 10 Highest Volume Intersections
- Top 10 Highest Truck Volume Intersections
- Truck Volumes on Regional Roads
- Traffic Control Devices
- Traffic Safety in York Region





The road system supports the local, Regional and Provincial economies by carrying people, cyclists, cars, buses and commercial vehicles.

Roads are an integral part of the public transit system and are important for the goods movement network linking the rail and air transport systems.

The road system is an important part of land use planning. The road system in York Region is structured in the following way:

- Local municipalities own and maintain the local road network which includes residential, commercial and industrial local and collector roads.
- York Region owns and maintains the majority of the arterial roads in the Region as well as some former Provincial highways. The alignment of the arterial roads generally follows a two kilometre concession road grid system.
- The Province of Ontario owns and maintains the 400 series highways in York Region. The exception is Highway 407 ETR, which is currently owned and operated by a private consortium. The Province also owns and operates some rural highways, including parts of Highways 7, 9 and 48.

York Region sets a high standard for planning and maintaining this important asset. A 10 year capital plan is used to program and prioritize major Regional road improvement projects.

To maintain the effectiveness of the Regional road network and the safety of its users, many railway road crossings are grade separated and speed zone and other traffic control devices, including intelligent transportation systems, are used to improve traffic flow.

The road network includes a system of arterial roads and highways that criss-cross York Region and are owned and operated by the local municipalities, the Region and the Province of Ontario.

York Region's multi-jurisdictional road network performs efficiently and safely because the roads are designed and operated to serve their intended purposes. These purposes include provisions for all vehicular modes of travel and goods movement.

Local roads primarily provide access to individual properties. Consequently, traffic volumes and speeds on these roads are generally lower. Collector roads provide connections for shorter trips in local neighbourhoods for transit and cars.

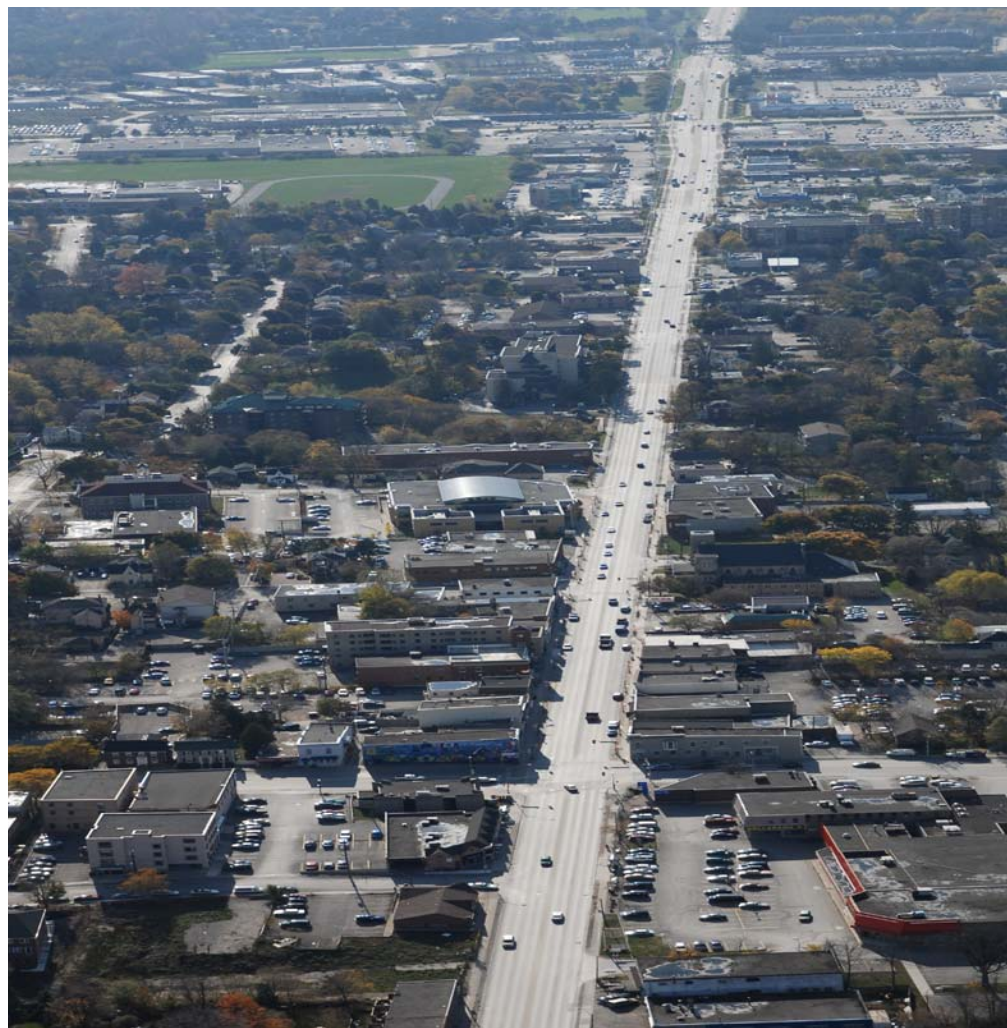
Arterial roads and the Provincial expressway system provide major corridors for all traffic, including transit and trucks, over medium to longer distance trips.

In 2011, York Region's Roads Capital Budget consisted of \$236.3 million for road and bridge capital improvements and an additional \$31.5 million for operations and maintenance of the Regional road network.

QUICKFACTS

In 2010, within York Region there were:

- 4,010 linear kilometres of local roads
- 1,084 linear kilometres of Regional roads
- 80 linear kilometres of Provincial highways
- 210 linear kilometres of Provincial 400 series highways



CONTACT INFORMATION

To report problems on a Regional road, contact:

Roads Dispatch

Road Maintenance
Transportation and
Community Planning



905-895-1200,
ext. 5200

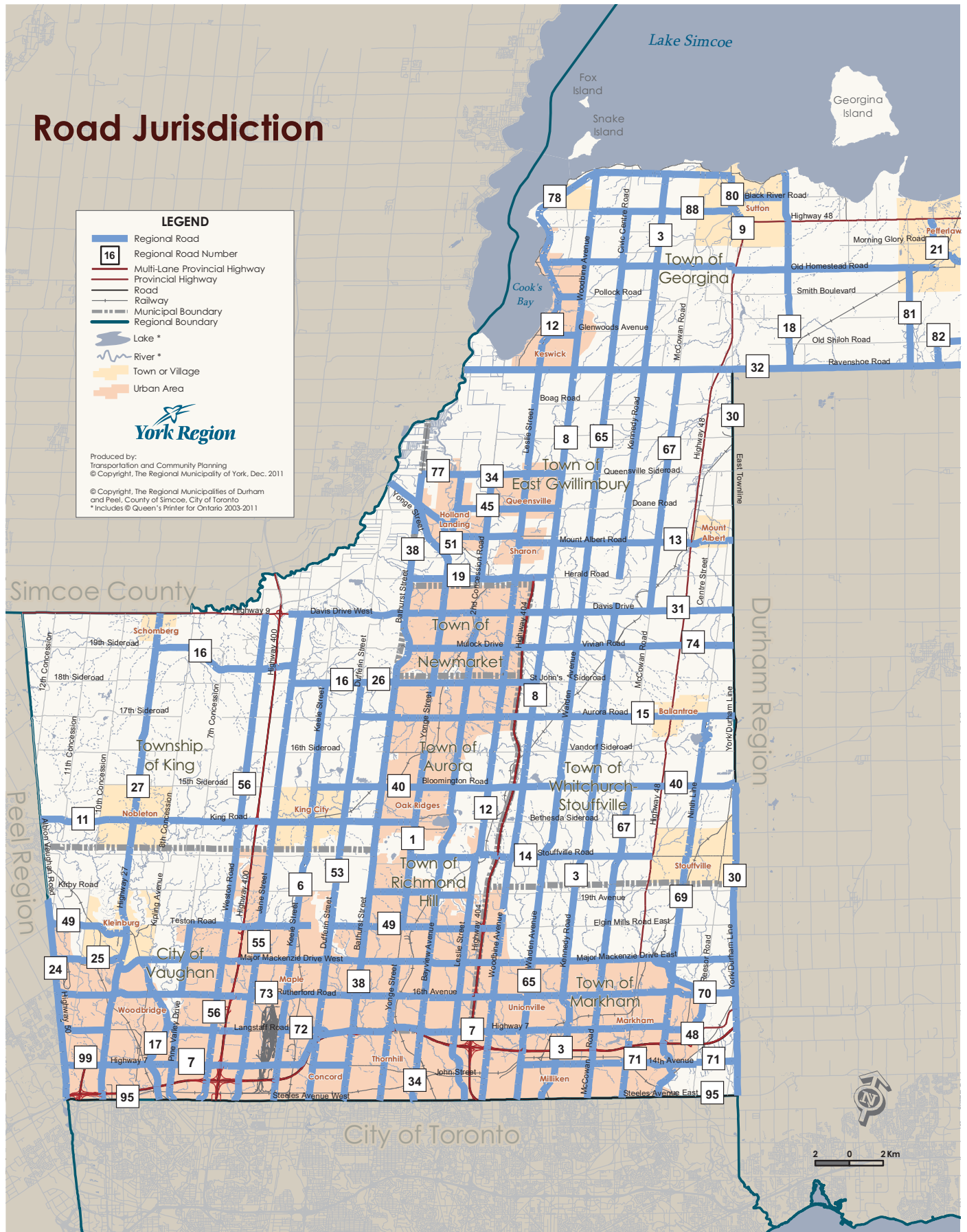


1-877-464-9675,
ext. 5200



dispatch@york.ca

Road Jurisdiction





The typical road allowance width of Regional roads is currently 36 metres. Right-of-way widths of 43 metres or greater are planned along a number of roads, such as Highway 7, Yonge Street, Dufferin Street (Steeles Avenue to Clark Avenue) and former Provincial Highway 27, to support High Occupancy Vehicle (HOV) lanes, cycling facilities, rapid transit and additional traffic lanes.

The Regional road system is coordinated with the Provincial and local municipal road systems to protect rights-of-way for future system improvements and to recognize that these rights-of-way will include pedestrian and bicycle movements as well as above and below ground utilities.

The boundary arterial roads are generally under shared jurisdiction. Peel Region and York Region share jurisdiction of Highway 50 up to the Bolton boundary. Peel Region maintains the road under contract with York Region. York Region and Durham Region share responsibilities for the boundary roads between them. York Region is responsible for maintaining York-Durham Line from Steeles Avenue to Bloomington Road and all of Ravenshoe Road. Durham Region is responsible for the rest of York-Durham Line and all of Lake Ridge Road.

Steeles Avenue at the southern edge of York Region is under the jurisdiction of the City of Toronto.

QUICKFACTS

York Region is responsible for most of the arterial roads in the Region, including former Provincial Highways 7, 11, 27, 47 and parts of Highways 9, 48 and 50. In total, the Region is responsible for 3,487 lane kilometres of arterial roadways.

Number of Lanes on Regional Roads

