

**2001 TRANSPORTATION TOMORROW SURVEY  
REGIONAL MUNICIPALITY OF HALTON  
SUMMARY BY WARDS**

**Prepared for the  
Transportation Information  
Steering Committee**

**by the**

**Data Management Group  
University of Toronto  
Joint Program in Transportation  
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### **FURTHER INFORMATION**

The Transportation Tomorrow Surveys (TTS) are parts of an ongoing data collection program by the Transportation Information Steering Committee (TISC). The survey data (2001, 1996, 1991 and 1986) are currently under the care of the Data Management Group. For more information, please contact:

Data Management Group  
Joint Program in Transportation  
University of Toronto  
35 St. George Street  
Toronto, Ontario  
M5S 1A4  
Tel: (416) 978-7282  
Fax: (416) 978-3941  
Email: [info@jpint.utoronto.ca](mailto:info@jpint.utoronto.ca)  
Web: [www.jpint.utoronto.ca](http://www.jpint.utoronto.ca)

This report was prepared for the Transportation Information Steering committee (TISC) through the direction of its technical committee, the Transportation Research and Data Management Group (TRADMAG). The committees are represented by the following agencies:

City of Hamilton  
City of Toronto  
GO Transit  
Ministry of Transportation, Ontario  
Regional Municipality of Durham  
Regional Municipality of Halton  
Regional Municipality of Peel  
Regional Municipality of York  
Toronto Transit Commission

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## INTRODUCTION

### **BACKGROUND**

The 2001 Transportation Tomorrow Survey (TTS) is the largest and most comprehensive travel survey ever conducted in Ontario or perhaps anywhere in North America. The survey was conducted on behalf of 19 local, regional, provincial and transit operating agencies in the Greater Toronto Area and surrounding regions. TTS data contain detailed demographic information on all members of a surveyed household and a ledger of travel information over an entire weekday.

The 2001 survey is the fourth and latest in a series of surveys conducted every five years. The first Transportation Tomorrow Survey, conducted in 1986, collected information for over 61,700 households in the Greater Toronto Area (GTA). The 1986 TTS was the most comprehensive travel survey in the Toronto area since the 1964 Home Interview Survey for the Metropolitan Toronto (now City of Toronto) and Region Transportation Study (MTARTS). Results of the TTS survey have been used in a wide range of studies including the development of Highway 407 and the Highway 401 expansion program.

In 1991, the second TTS was conducted as an update survey for the 1986 data. Recognizing the importance of interregional travel, the 1991 survey area was expanded to include local municipalities adjacent to the GTA boundary. Approximately 22,300 households in the GTA and 2,200 households at the fringe of the GTA were successfully interviewed. The survey captured the travel condition in the GTA after five years of active changes, with particular emphasis on areas that experienced rapid population growth between 1986 and 1991. The 1991 survey data provided a clear measure of global trends on urban travel characteristics. One of the most significant observations was the shift of urban population and employment growth from the City of Toronto to the surrounding regions and its impact on travel demand and modal choice.

The 1996 TTS expanded its focus from the GTA to include a large part of south central Ontario. It involved cooperation from twelve regional and county governments, three cities, one town, two transit operators and one provincial ministry. The survey area stretched from Peterborough County in the east to the Regional Municipality of Waterloo in the west. Based on Census information, the survey area covers 60 percent of Ontario's total population. A total of 115,200 households or five percent of all households in the survey area were successfully interviewed. The survey provides sample information on an estimated thirteen million daily trips in the survey area.

The 2001 TTS covers much of the same area as 1996 excluding the Regional Municipality of

Waterloo whilst adding larger areas of some other counties in southern Ontario. The survey involved cooperation from seven cities, eight regional and county governments, one town, two transit operators and one provincial ministry. Altogether approximately 137,000 households were successfully interviewed. The survey provides sample information on an estimated fourteen million daily trips in the survey area.

Unlike data sources such as regular traffic counts, which measure the change in magnitude of travel demand, the TTS provides information on the characteristics of these changes. As a transportation time series database, the TTS enables analysis on how factors such as flexible work hour programs, relocation of manufacturing employment, increasing female participation in the labour force, and aging population influence how people travel, how often and the purpose of their trips.

In addition to being a time series database, the 2001 TTS data alone is an important data source for transportation planning. It provides a clear description on existing travel patterns and how travel demand is influenced by current demographic and socio-economic factors. This is especially useful for areas which do not have previous travel survey data. Furthermore, because of the scope of the survey coverage, the 2001 data is also a key datum for understanding the dynamic interdependence of communities in south central Ontario.

### **PURPOSE OF THIS REPORT**

The purpose of this report is to summarize the 2001 Transportation Tomorrow Survey data according to ward boundaries in the Regional Municipality of Halton. The summary is presented in tabular format at different levels of detail, namely, the entire Greater Toronto Area, the Regional Municipality of Halton, local municipalities and wards. The information presented includes socio-demographic and travel characteristics. In addition to presenting the magnitude of the trips coming into and leaving an area, the summary tables also describe travel characteristics such as travel purpose, trip start time, travel distance and travel mode choice.

The information presented in this report is based on Version 1.0 of the 2001 TTS database. For more historical TTS data, please refer to the fifth report in the 1996 Transportation Tomorrow Survey series, entitled, [1996, 1991 & 1986 Travel Survey Summaries for the Greater Toronto Area](#) and the fifth report in the 2001 Transportation Tomorrow Series entitled [2001, 1996 & 1986 Travel Survey Summaries for the Greater Toronto Area](#).

## THE TTS DATA

### DESIGN AND CONDUCT OF THE SURVEY

The 2001 TTS, with approximately 137,000 household interviews, is one of the largest surveys ever undertaken anywhere. The 2001 survey covered a great part of south central Ontario and consisted of the Cities of Toronto (formerly Metropolitan Toronto), Hamilton (formerly the Regional Municipality of Hamilton-Wentworth), Barrie, Guelph, Peterborough and Kawartha Lakes (formerly the County of Victoria), the Regional Municipalities of Durham, Halton, Niagara, Peel, and York, the Town of Orangeville, the County of Simcoe and partial coverage of the Counties of Peterborough and Wellington.

The 2001 TTS was initially scheduled to be conducted over two time periods. Areas external to the GTA and Hamilton were surveyed in the fall of 2000 and the GTA and Hamilton were surveyed in the fall of 2001. However, after these first two survey periods were completed, it was noticed that apartment buildings were under-represented in the sample and a supplemental survey was done in May 2002 to correct this sample bias. There were no changes in survey methodology or questionnaire between survey periods and the three data sets are combined for all expansion and analytical processes.

A random sample of households in the survey area was selected from Bell Canada's files containing information on residential subscribers. Households with unlisted telephone numbers were not included in the sample but are believed to be uniformly distributed throughout the study area and with no obvious correlation to socio-economic status. The target was to obtain a random sample of five percent of the households in the study area. The actual sampling rate in each Forward Sortation Area (defined by the first three characters of a postal code) was reviewed to ensure a uniform distribution of sampling rates across the study area.

An advance letter was mailed to the sample households before the actual interview took place. The purpose was to introduce the survey, outline the survey process and impress upon the household the legitimacy and importance of information that would be collected in the interview.

Interviewers telephoned the households to collect travel information for the preceding weekday and recorded the data directly on computer files using a direct data entry program. As the information was entered, the program carried out spelling checks on street names, validation checks on transit route information and other checks on the consistency and completeness

of the information. The sample rates were monitored daily by sample control software to ensure even coverage of the study area during the survey period. The locations of households, places of work and school, trip origins and destinations were coded to a geographic reference system.

Geographic coding enables the survey results to be studied at aggregated levels which are both flexible and accurate.

In Halton Region, over 7,000 households were interviewed. With the 2001 Census count of approximately 130,000 households, the survey achieved its target of a five percent sample rate.

Detailed documentation of the planning and implementation of the 2001 survey is contained in the first report of the 2001 Transportation Tomorrow Survey series, entitled, Design and Conduct of the Survey. The sample expansion procedure for this survey is described in detail in the third report of the 2001 TTS working paper series, Data Expansion.

### INFORMATION COLLECTED

Through the years, the TTS has collected demographic and travel information. Demographic data were collected for the household and each member of the household. Travel information was usually for the weekday just prior to the day of the interview. The 2001 database may be summarized as follows:

#### Demographic Information

- Household Characteristics
  - Location of residence
  - Dwelling unit type
  - Number of persons living in the household
  - Number of vehicles available for personal use
- Person Characteristics
  - Age
  - Gender

- Employment Status
  - Student status
  - Possession of a driver's licence
  - Possession of a transit pass
  - Location of usual place of work
  - Location of usual place of school
  - School name
  - Availability of free parking at usual place of work
  - Occupation type
  - Whether or not the person worked at home on the trip day (only asked if a person employed full time outside the home did not make a work trip on the survey day)
- Travel Information
- Nature of trip
    - Start time
    - Purpose of trip
    - Origin and destination points
  - Means of travel
    - Travel mode
    - Detailed transit routes including boarding and alighting stations for all GO Train and subway trips

A trip is defined as a one-way movement between two locations for a single purpose. For example, a trip may be made to work, to facilitate a passenger, or to return home. The survey collected trip information for all persons of age 11 years or older over a 24-hour period. To reflect travel activities on an average work day, only trips made on Monday to Friday were recorded. The survey results indicate an approximately equal coverage of trips on each of the five weekdays.

All children between the ages of 6 and 11 were assumed to be full time students.

A comprehensive description of the contents and structures of the 2001 TTS database is contained in the first report of the 2001 TTS entitled, Data Guide.

### **QUALITY OF THE DATA**

Preliminary analysis of the 2001 survey data indicate that, as with previous years, the TTS data may be used with a high degree of confidence. With respect to peak period travel there is no

evidence of under-reporting of trips made in the a.m. peak period. Public transit trips are accurately represented through the day and any under-reporting which occurs is primarily associated with off-peak automobile trips.

TTS tends to under-represent the overall population of the survey area compared to Census data. The under-representation is most noticeable in infants and elderly persons. The exclusion of collective homes, such as hospitals and nursing homes, from the survey is likely a contributing factor in the under-representation of the elderly. The spatial distribution of persons aged 18 to 27 differ between the TTS and Census. This can be attributed to the timing and definition of the survey relative to the Census and the effect this has on the estimation of post-secondary school students.

TTS data accurately reflects the number of full-time students in most parts of the survey area. Initial comparisons with university and college enrollment data suggest that there might be some under-representation of students at McMaster, Guelph and Trent Universities.

For further discussion on the validation of the 2001 data, refer to the 2001 TTS report, Data Validation.

### **Availability of Data**

The data used in this survey was obtained from the 2001 TTS survey. This survey data and previous years' data (1986, 1991 and 1996) are currently under the care of the Data Management Group. This group is responsible for maintaining the TTS databases and allowing access to the survey data. Data is made readily available through an online data retrieval system. For more information see previous contact information.

## REPORT CONTENTS

### OVERVIEW

The data in this report provides demographic characteristics and travel pattern information. The data is presented by ward and summarized for the local municipalities, the Regional Municipality of Halton and for the whole GTA. In total there are 20 wards in the Regional Municipality of Halton.

To reflect the fact that all numbers presented in this report are estimates based on expanded data, all numeric figures are rounded. Totals and subtotals are rounded to the nearest 100 and all percentages are rounded to the nearest integer. An asterisk (\*) is used to denote categories that have less than four observations or survey records.

Invalid survey responses are dealt with in two ways. The response is grouped under the "other" category if one is available (travel mode, for example). Otherwise, invalid responses are distributed proportionately (based on the valid responses) between the available categories.

### GENERAL SUMMARY TABLES

#### **Demographic Characteristics**

Demographic data are presented in the two tables on the top half of the page. The table on the left summarizes the data by household and the table on the right summarizes the data by person.

Household characteristics include:

- Total number of households in the area. The data expansion procedure ensures a close match with the census.
- Distribution of households by dwelling type: house, townhouse or apartment
- Distribution of households by number of residents
- Distribution of households by number of vehicles available for personal use
- A series of ratios that reflect the general characteristics of households in the area:
  - Persons - Total population divided by total number of households
  - Workers - Total number of employed persons (full-time and part-time, includes work at home) divided by total number of households

- Drivers - Total number of persons in possession of a driver's licence divided by the total number of households
- Vehicles - Total number of vehicles available for personal use divided by total number of households
- Trips/day - Total number of trips by persons of age 11 and over divided by total number of households

Personal characteristics include:

- Total number of persons in private residences in the area
- Population by gender
- The percentage of persons in possession of a transit pass by gender
- The percentage of persons in possession of a valid driver's licence by gender
- The percentage of persons who are full or part-time students by gender
- Employment status by gender - full-time outside the home, part-time outside the home, and work at home, full or part-time
- The percentage of persons who made a trip to work on the survey day by employment status
- Occupation type: clerical, manufacturing, professional, or sales and service
- Median age, the age where 50 percent of the population is older and 50 percent is younger
- Distribution by age cohort
- Daily trips per person aged 11 and over

#### **Travel Patterns**

The two tables on the lower half of the page present travel pattern information in two categories, trip purpose and mode of travel. In each category, the information is summarized by trips that were made by the residents of an area and by trips with a destination in the area. Trips made by residents of an area are a measure of mobility and thus includes all trips regardless of trip origin or destination. The number of trips made to an area is a measure of the area's attractiveness and therefore include trips made by both residents and non-residents of the area. Note that trips made by residents include trips in and out of the GTA and that trips made to the area include only trips made by GTA residents.

The time periods dealt with are the 24-hour period and the 3-hour morning peak period. The morning peak period has been chosen to minimize the number of non-work trips that are included in the summary. In general, the composition of the morning peak is dominated by trips to work and school. Although, the period chosen for the morning peak is indicated as 6 to 9 a.m., the data actually comprises trips starting at 6:00 a.m. to 8:59 a.m. The reason for excluding trips starting at exactly 9:00 a.m. is that respondents tend to round off the times they reported to the nearest quarter or half hour. If data for both 6:00 a.m. and 9:00 a.m. were included the actual number of morning peak period trips would be over represented.

#### Trip Purpose

For trips made by the residents of an area, the home location is the link between the commuter and the area of interest. Consequently, trip purpose categories are defined as:

- Home to work and work to home (home-based work, HB-W) trips
- Home to school and school to home (home-based school, HB-S) trips
- All other home-based (home-based discretionary, HB-D) trips
- All trips where neither trip end is the home (non-home-based, N-HB)

The magnitude of the trips made to the area gives an indication of the attraction of land use in the area. The destination purposes are defined as:

- Work
- School
- Home
- Other, such as for shopping, entertainment, etc.

#### Mode of Travel

The travel mode categories are:

- Automobile driver
- Automobile passenger
- Local transit
- GO Train
- Walk and Bicycle
- Other, which includes motorcycle, taxi, school bus and other modes

Local transit includes all trips by public transit that do not include the use of GO Train for any part of the trip.

In general, only those walk trips to and from work or school were recorded.

#### **Trips Made by Residents of an Area**

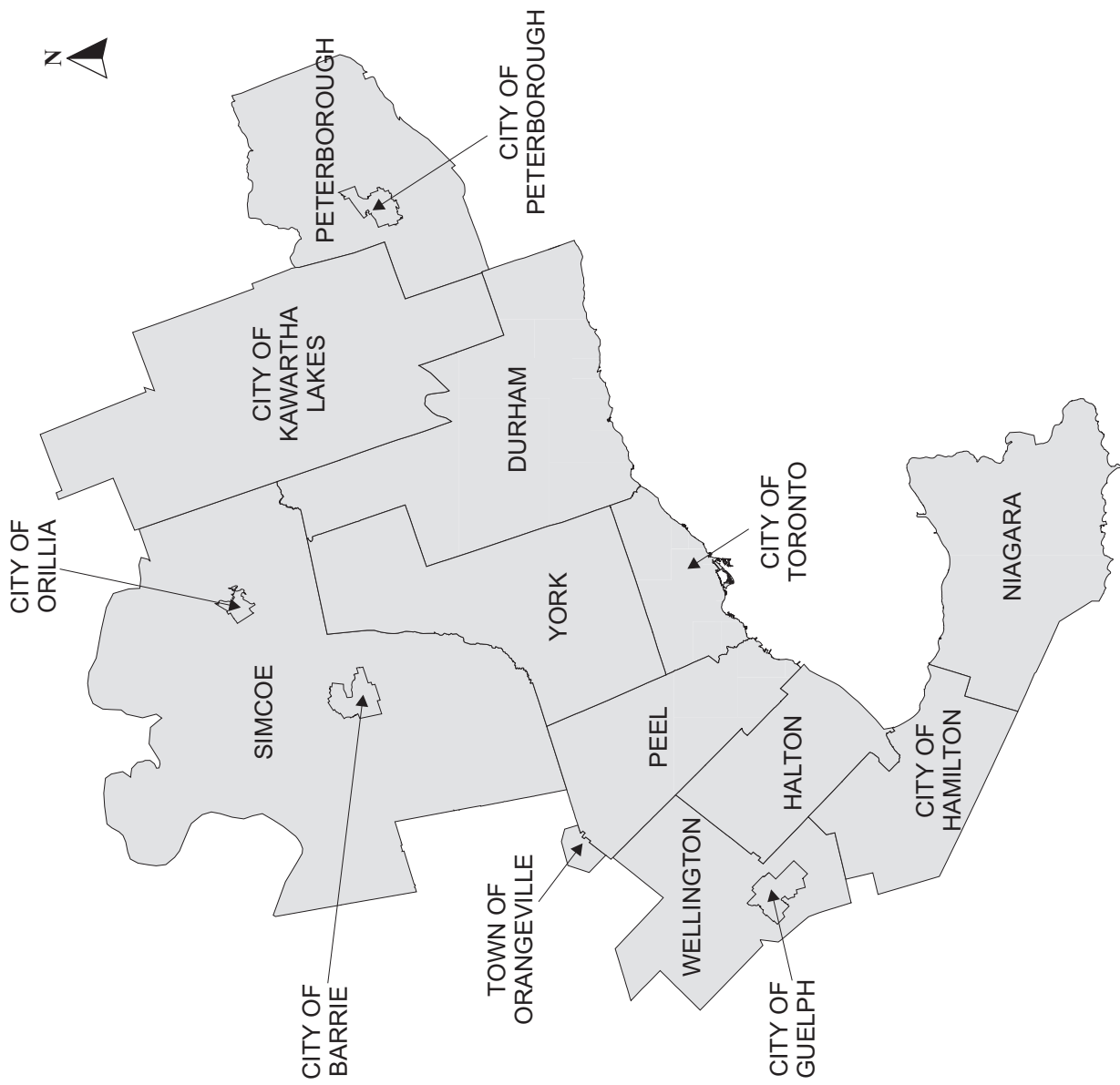
In addition to the travel information by trip purpose and travel mode, the summary tables also include statistics on the percentage of internal trips and median trip lengths.

The percentage of trips made entirely within an area by residents of the same area is a measure of the degree of self-containment for the area of interest. The percentages are calculated for the 24-hour period and the 3-hour morning peak period.

Median trip length is calculated as the trip distance where 50 percent of the trips are longer and 50 percent are shorter. Trip length is measured as the straight line distance between origin and destination points. The figures presented are by travel modes for the 24-hour period.



TRANSPORTATION TOMORROW SURVEY AREA



**AREA SUMMARIES**

## DEMOGRAPHIC CHARACTERISTICS

**TOTAL NUMBER OF HOUSEHOLDS:** 1,975,200

Dwelling Type    House 61%    Townhouse 5%    Apartment 34%

Household Size (persons)    1 21%    2 30%    3 18%    4 19%    5+ 11%

No. of Available Vehicles    0 16%    1 40%    2 34%    3 7%    4+ 2%

Household Averages    Persons 2.7    Workers 1.4    Drivers 1.7    Vehicles 1.4    Trips/Day 5.8

**TOTAL POPULATION:** 5,386,100

Male 2,637,200    Female 2,748,900

Transit Pass 5%    Licenced Drivers 69%    Student 24%

Full time 47%    Part time 6%    F/T 3%    P/T 0%

On survey day:    Made work trip 87%    Sales & Service 20%

Occupation    Clerical 12%    Manufacturing 22%    Professional 45%

Age    Median 35.6    0-10 14%    11-15 7%    16-25 12%    26-45 34%    46-64 21%    65+ 12%

Daily trips/Person (age 11+): 2.5

### Employment Status

## TRAVEL PATTERNS

### TRIP PURPOSE

**Trips Made by Residents of the GTA**

Time Period 6 - 9 a.m.    Trips 2,684,700    % of 24 hr. 23.3%    HB-W 52%    HB-S 22%    HB-D 17%    N-HB 9%

24 hours    11,515,300    33%    12%    39%    15%

Percentage of trips made within district: 6-9 a.m. = 99%    24 hours = 98%

### Trips Made to the GTA

Time Period 6 - 9 a.m.    Trips 2,652,500    % of 24 hr. 23%    Work 56%    School 22%    Home 5%    Other 17%

24 hours    11,396,100    19%    6%    43%    32%

### MODE OF TRAVEL

**Trips Made by Residents of the GTA**

Time Period 6 - 9 a.m.    Trips 2,684,700    Auto Driver 59%    Auto Passng. 12%    Local Transit 14%    GO Train 2%    Walk & Cycle 9%    Other 4%

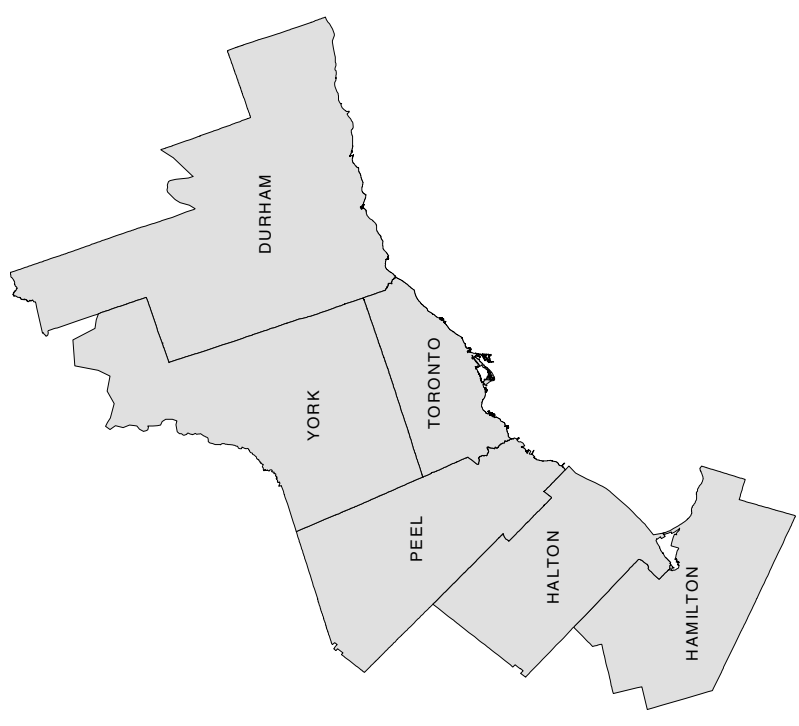
24 hours    11,515,300    64%    16%    11%    1%    6%    2%

Median Trip Length: (kilometres)    5.5    3.8    5.6    29.9

### Trips Made to the GTA

Time Period 6 - 9 a.m.    Trips 2,652,500    Auto Driver 59%    Auto Passng. 12%    Local Transit 14%    GO Train 2%    Walk & Cycle 9%    Other 4%

24 hours    11,396,100    64%    15%    11%    1%    6%    2%



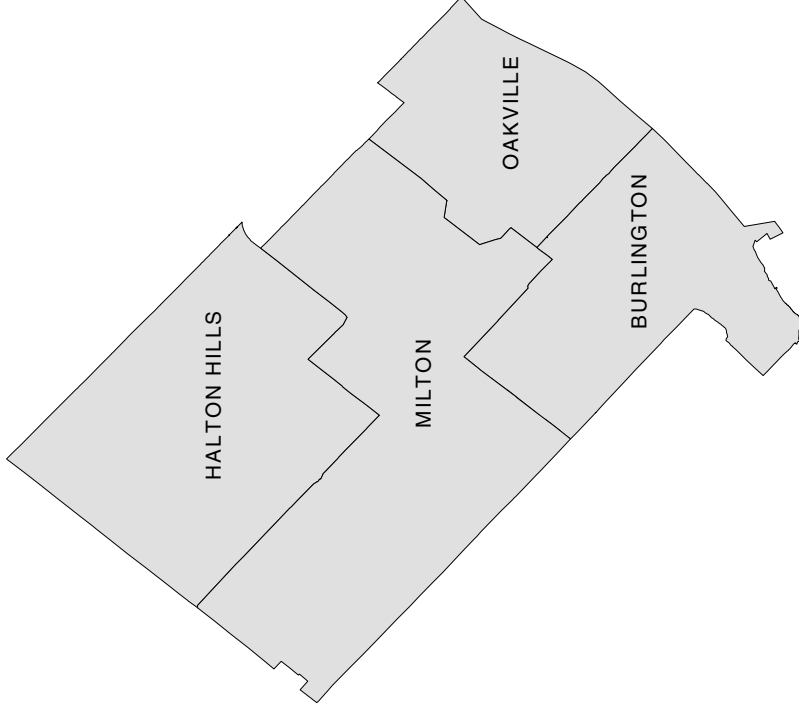
\* is used to denote categories that have less than four observations or survey records



## DEMOGRAPHIC CHARACTERISTICS

<b>TOTAL NUMBER OF HOUSEHOLDS:</b>	133,600			
Dwelling Type	House	Townhouse	Apartment	
	73%	9%	18%	
Household Size (persons)	1	2	3	4
	18%	35%	18%	20%
No. of Available Vehicles	0	1	2	3
	5%	33%	49%	10%
Household Averages	Persons	Workers	Drivers	Vehicles
	2.7	1.4	1.9	1.7
				Trips/Day
				6.6

<b>TOTAL POPULATION:</b>	364,100			
Male	Population	Licenced Drivers	Student	Employment Status
	178,100	72%	23%	Full time 48%, Part time 5%, Work at Home F/T 3%, P/T 1%
Female	186,000	68%	22%	Full time 32%, Part time 12%, Work at Home F/T 2%, P/T 1%
	On survey day: Made work trip 86%, 50%, 41%, 17%			
Occupation Type	Clerical	Manufacturing	Professional	Sales & Service
	11%	17%	51%	21%
Age	Median	0-10	11-15	16-25
	37.6	15%	7%	10%
Daily trips/Person (age 11+):	2.8	26-45	46-64	65+
		32%	23%	13%



## TRAVEL PATTERNS

<b>TRIP PURPOSE</b>	<b>Trips Made by Residents of Halton Region</b>			
Time Period	Trips	% of 24 hr.	HB-W	HB-S
	191,100	21.8%	50%	20%
24 hours	877,400	29%	10%	44%
	Percentage of trips made within district: 6-9 a.m. = 61%, 24 hours = 67%			
Trips Made to Halton Region	<b>Destination Purpose</b>			
	Trips	% of 24 hr.	Work	School
6 - 9 a.m.	165,800	19.9%	50%	23%
24 hours	831,900	15%	5%	44%

<b>MODE OF TRAVEL</b>	<b>Trips Made by Residents of Halton Region</b>			
Time Period	Trips	Auto Driver	Auto Passng.	Local Transit
	6 - 9 a.m.	191,100	68%	12%
24 hours	877,400	74%	15%	1%
	Median Trip Length: (kilometres)			
	6.4	4.1	6.5	26.2
Trips Made to Halton Region	<b>Mode of Travel</b>			
	Trips	Auto Driver	Auto Passng.	Local Transit
6 - 9 a.m.	165,800	70%	14%	1%
24 hours	831,900	74%	16%	1%

\* is used to denote categories that have less than four observations or survey records



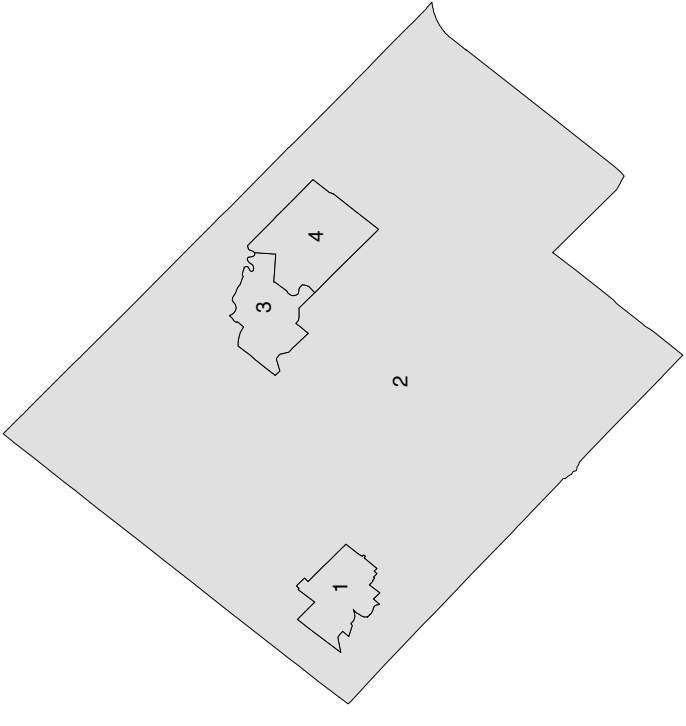
## DEMOGRAPHIC CHARACTERISTICS

**TOTAL NUMBER OF HOUSEHOLDS:** 16,200

Dwelling Type	House	Townhouse	Apartment		
	83%	6%	10%		
Household Size (persons)	1	2	3	4	5+
	15%	34%	18%	23%	10%
No. of Available Vehicles	0	1	2	3	4+
	5%	28%	52%	12%	3%
Household Averages	Persons	Workers	Drivers	Vehicles	Trips/Day
	2.8	1.5	1.9	1.8	6.4

**TOTAL POPULATION:** 45,700

Male	Population	Transit Pass	Licenced Drivers	Student	Employment Status				
					Full time	Part time	Work at Home F/T	Work at Home P/T	
	22,400	3%	72%	22%	53%	4%	3%	1%	
Female	23,300	3%	66%	22%	35%	11%	2%	1%	
On survey day: Made work trip									
			85%		52%	43%	*		
Occupation Type	Clerical	Manufacturing	Professional	Sales & Service					
	12%	24%	44%	20%					
Age	Median	0-10	11-15	16-25	26-45	46-64	65+		
	36.5	17%	7%	10%	34%	22%	10%		
Daily trips/Person (age 11+): 2.7									



## TRAVEL PATTERNS

**TRIP PURPOSE**  
Trips Made by Residents of Halton Hills

Time Period	Trips	Trip Purpose Category			
		HB-W	HB-S	HB-D	N-HB
6 - 9 a.m.	23,100	22.2%	20%	16%	9%
24 hours	103,700	33%	9%	41%	16%
Percentage of trips made within district: 6-9 a.m. = 41% 24 hours = 48%					
Trips Made to Halton Hills					
Time Period	Trips	% of 24 hr.	Work	School	Home
6 - 9 a.m.	13,000	15.8%	44%	29%	7%
24 hours	82,000	11%	5%	53%	31%

**MODE OF TRAVEL**  
Trips Made by Residents of Halton Hills

Time Period	Trips	Auto Driver	Auto Passng.	Local Transit	GO Train	Walk & Cycle	Other
6 - 9 a.m.	23,100	71%	10%	1%	4%	7%	7%
24 hours	103,700	75%	14%	1%	2%	5%	4%
Median Trip Length: (kilometres)							
		11.0	4.4	17.4	41.7		
Trips Made to Halton Hills							
Time Period	Trips	Auto Driver	Auto Passng.	Local Transit	GO Train	Walk & Cycle	Other
6 - 9 a.m.	13,000	64%	12%	*	*	14%	10%
24 hours	82,000	73%	15%	0%	1%	6%	4%

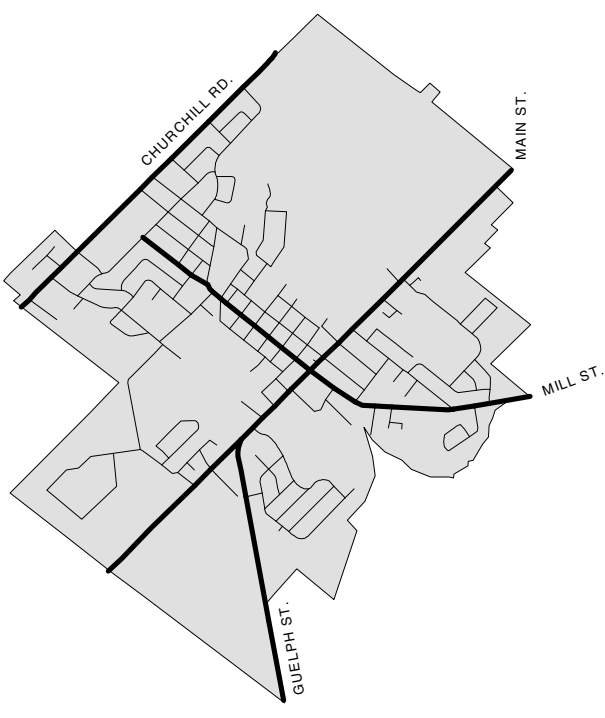
\* is used to denote categories that have less than four observations or survey records



## DEMOGRAPHIC CHARACTERISTICS

<b>TOTAL NUMBER OF HOUSEHOLDS:</b>		2,900	
Dwelling Type	House 76%	Townhouse 11%	Apartment 13%
Household Size (persons)	1	2	3
	15%	39%	20%
No. of Available Vehicles	0	1	2
	5%	36%	44%
Household Averages	Persons	Workers	Drivers
	2.7	1.5	1.9
	Vehicles	Vehicles	Trips/Day
	1.7	1.7	5.7

<b>TOTAL POPULATION:</b>		7,800	
Male	Population 3,900	Licenced Drivers 71%	Student 21%
Female	4,000	2%	18%
	On survey day:	Made work trip	87%
Occupation Type	Clerical 8%	Manufacturing 29%	Professional 39%
Age	Median 36.9	0-10 15%	11-15 6%
	Daily trips/Person (age 11+):	16-25 9%	26-45 37%
		46-64 22%	65+ 11%
		24%	



## TRAVEL PATTERNS

<b>TRIP PURPOSE</b>		<b>Trips Made by Residents of Ward 1</b>			
Time Period	Trips	% of 24 hr.	HB-W	HB-S	N-HB
6 - 9 a.m.	3,800	22.9%	59%	18%	9%
24 hours	16,600	38%	10%	38%	15%
Percentage of trips made within district: 6-9 a.m. = 27% 24 hours = 28%					
<b>Trips Made to Ward 1</b>		<b>Destination Purpose</b>			
Time Period	Trips	% of 24 hr.	Work	School	Home
6 - 9 a.m.	1,800	15.9%	35%	44%	19%
24 hours	11,300	8%	8%	61%	23%

<b>MODE OF TRAVEL</b>		<b>Trips Made by Residents of Ward 1</b>					
Time Period	Trips	Auto Driver	Auto Passng.	Local Transit	GO Train	Walk & Cycle	Other
6 - 9 a.m.	3,800	69%	10%	*	3%	13%	5%
24 hours	16,600	74%	14%	*	1%	8%	2%
Median Trip Length: (kilometres)		11.9	9.6	*	52.6		
<b>Trips Made to Ward 1</b>		Auto Driver	Auto Passng.	Local Transit	GO Train	Walk & Cycle	Other
Time Period	Trips	53%	8%	*	*	27%	12%
6 - 9 a.m.	1,800	70%	14%	*	1%	12%	4%
24 hours	11,300						

\* is used to denote categories that have less than four observations or survey records



## DEMOGRAPHIC CHARACTERISTICS

**TOTAL NUMBER OF HOUSEHOLDS:** 3,300

**TOTAL POPULATION:** 9,600

Dwelling Type	House	Townhouse	Apartment
	96%	*	3%

Household Size (persons)	Household Size			
	1	2	3	4+ 5+
	8%	40%	18%	23% 12%

No. of Available Vehicles	No. of Available Vehicles			
	0	1	2	3 4+
	*	17%	56%	20% 6%

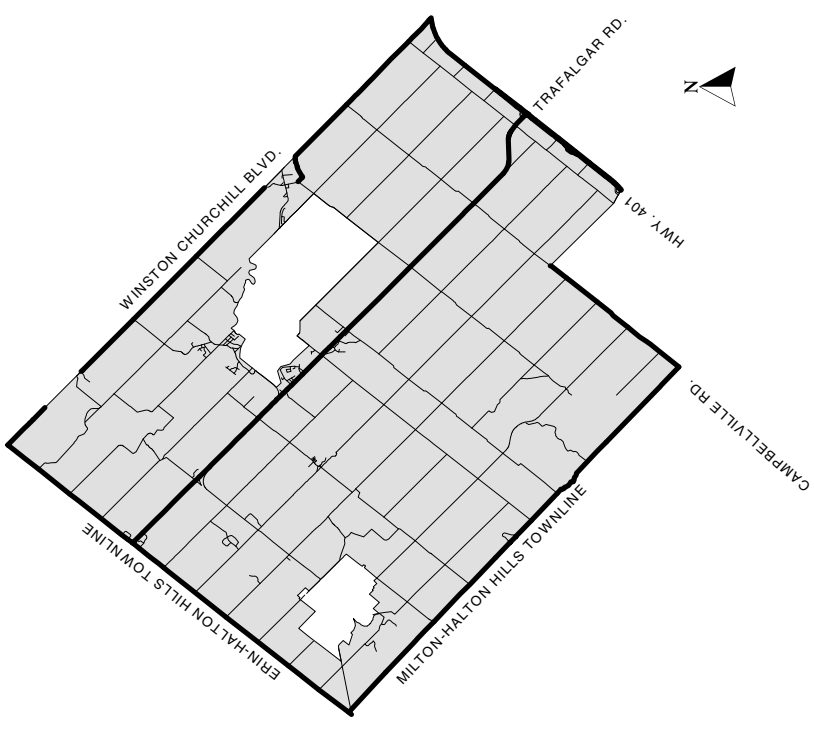
Household Averages	Household Averages			
	Persons	Workers	Drivers	Vehicles
	2.9	1.7	2.1	2.2
				Trips/Day
				6.4

Male	Population	Transit Pass	Licenced Drivers	Student	Employment Status			
					Full time	Part time	Work at Home	
	4,900	2%	74%	20%	52%	3%	5%	2%
	4,600	3%	69%	20%	38%	12%	3%	*

Occupation Type	Occupation Type			
	Clerical	Manufacturing	Professional	Sales & Service
	14%	25%	44%	17%
Age	Age			
	0-10	11-15	16-25	26-45 46-64 65+
	17%	6%	10%	32% 26% 9%

On survey day: Made work trip 81% 51% \*

Daily trips/Person (age 11+): 2.6



## TRAVEL PATTERNS

### TRIP PURPOSE

**Trips Made by Residents of Ward 2**

Time Period	Trips	Trip Purpose Category			
		HB-W	HB-S	HB-D	N-HB
6 - 9 a.m.	4,900	23.4%	18%	13%	12%
24 hours	20,900	34%	9%	35%	21%

Percentage of trips made within district: 6-9 a.m. = 4% 24 hours = 5%

**Trips Made to Ward 2**

Time Period	Trips	Destination Purpose		
		Work	School	Home
6 - 9 a.m.	2,600	17.4%	14%	7%
24 hours	14,900	17%	2%	55%

### MODE OF TRAVEL

**Trips Made by Residents of Ward 2**

Time Period	Trips	Mode of Travel				
		Auto Driver	Auto Passing	Local Transit	GO Train	Walk & Cycle
6 - 9 a.m.	4,900	79%	8%	*	2%	*
24 hours	20,900	81%	12%	1%	1%	4%

Median Trip Length: (kilometres)  
13.1 5.1 29.5 43.1

**Trips Made to Ward 2**

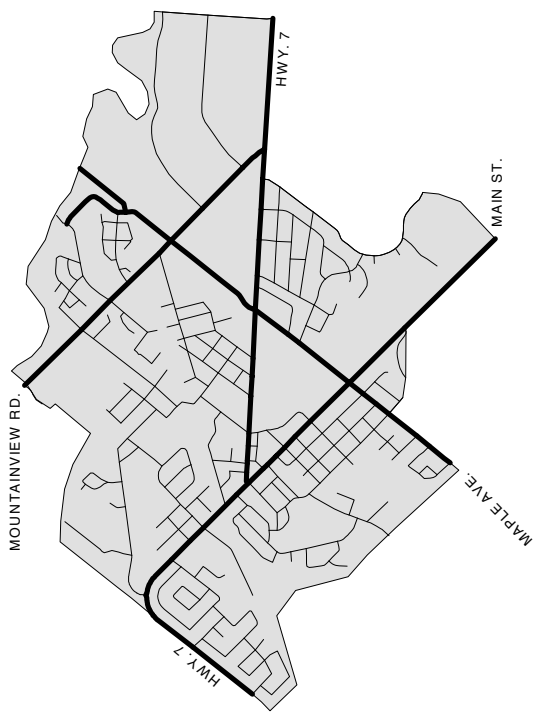
Time Period	Trips	Mode of Travel				
		Auto Driver	Auto Passing	Local Transit	GO Train	Walk & Cycle
6 - 9 a.m.	2,600	77%	11%	*	*	3%
24 hours	14,900	80%	13%	1%	*	2%

\* is used to denote categories that have less than four observations or survey records

## DEMOGRAPHIC CHARACTERISTICS

<b>TOTAL NUMBER OF HOUSEHOLDS:</b>		4,400	
Dwelling Type	House	Townhouse	Apartment
	68%	12%	20%
Household Size (persons)	1	2	3
	24%	29%	17%
	5+	11%	
No. of Available Vehicles	0	1	2
	12%	35%	42%
Household Averages	Persons	Workers	Drivers
	2.6	1.4	1.8
	Vehicles	Vehicles	Trips/Day
	1.6	1.6	6.0

<b>TOTAL POPULATION:</b>		11,600	
Male	Population	Licenced Drivers	Student
	5,500	71%	21%
Female	Population	Licenced Drivers	Student
	6,100	62%	24%
On survey day: Made work trip		Full time	Part time
		84%	53%
Occupation Type	Clerical	Manufacturing	Professional
	11%	24%	46%
Age	0-10	11-15	16-25
	16%	8%	11%
Daily trips/Person (age 11+):	26-45	46-64	65+
	32%	23%	11%
Sales & Service		19%	



## TRAVEL PATTERNS

<b>TRIP PURPOSE</b>		<b>Trips Made by Residents of Ward 3</b>	
Time Period	Trips	% of 24 hr.	Trip Purpose Category
6 - 9 a.m.	5,900	22.4%	HB-W
			HB-S
			HB-D
			N-HB
24 hours	26,300	32%	16%
			7%
Percentage of trips made within district: 6-9 a.m. = 29%		24 hours = 25%	
<b>Trips Made to Ward 3</b>		<b>Destination Purpose</b>	
Time Period	Trips	% of 24 hr.	Work
6 - 9 a.m.	4,900	19.4%	School
			Home
			Other
24 hours	25,200	11%	8%
			45%
			36%

<b>MODE OF TRAVEL</b>		<b>Trips Made by Residents of Ward 3</b>	
Time Period	Trips	Auto Driver	Auto Passng.
6 - 9 a.m.	5,900	63%	10%
			6%
			11%
			10%
24 hours	26,300	69%	15%
			1%
			3%
			7%
			5%
Median Trip Length: (kilometres)		7.3	3.1
		42.4	2.7
<b>Trips Made to Ward 3</b>		<b>Auto Driver</b>	
Time Period	Trips	Auto Passng.	Local Transit
6 - 9 a.m.	4,900	16%	*
			17%
			10%
24 hours	25,200	69%	17%
			1%
			1%
			8%
			5%

\* is used to denote categories that have less than four observations or survey records





## DEMOGRAPHIC CHARACTERISTICS

<b>TOTAL NUMBER OF HOUSEHOLDS:</b>		5,600	
Dwelling Type	House	Townhouse	Apartment
	92%	3%	5%
Household Size (persons)	1	3	4
	12%	32%	28%
No. of Available Vehicles	0	2	3
	*	24%	61%
Household Averages	Persons	Workers	Drivers
	3.0	1.5	2.0
	Vehicles	Vehicles	Trips/Day
	1.9	1.9	7.1

<b>TOTAL POPULATION:</b>		16,700	
Male	Population	Licenced Drivers	Student
8,100	8,100	71%	24%
Female	8,600	66%	24%
On survey day: Made work trip			
		86%	40%
Occupation Type	Clerical	Manufacturing	Professional
	13%	21%	45%
Age	0-10	11-15	16-25
	19%	7%	10%
	26-45	46-64	65+
	36%	18%	11%
Daily trips/Person (age 11+): 3.0			

### Employment Status

Full time	Part time	Work at Home
52%	4%	3%

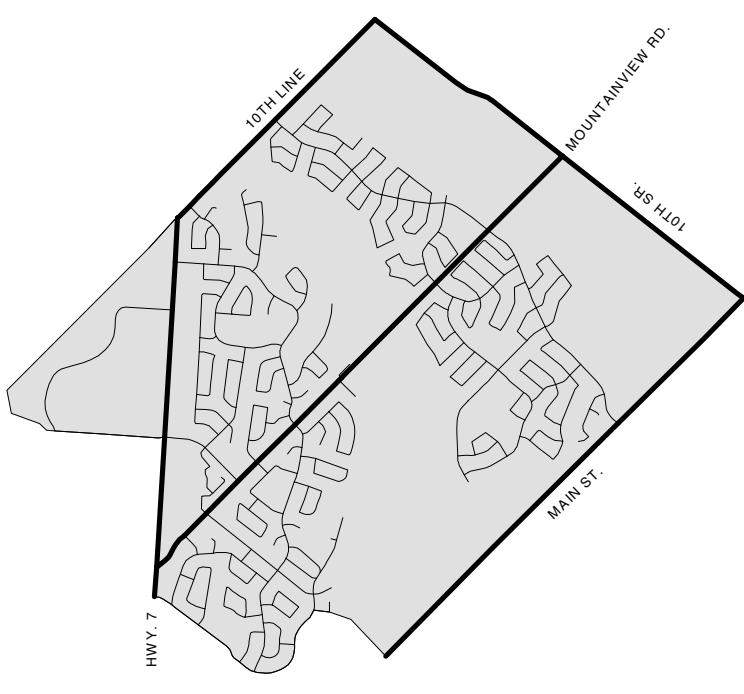
Full time	Part time	Work at Home
32%	10%	2%

Full time	Part time	Work at Home
86%	52%	40%

## TRAVEL PATTERNS

<b>TRIP PURPOSE</b>		<b>Trips Made by Residents of Ward 4</b>	
Time Period	Trips	% of 24 hr.	Trip Purpose Category
6 - 9 a.m.	8,500	21.4%	HB-W
			HB-S
			HB-D
			N-HB
24 hours	39,800	31%	9%
			45%
			15%
Percentage of trips made within district: 6-9 a.m. = 17% 24 hours = 24%			
<b>Trips Made to Ward 4</b>		<b>Destination Purpose</b>	
Time Period	Trips	% of 24 hr.	Work
6 - 9 a.m.	3,800	12.5%	School
			Home
			Other
24 hours	30,500	9%	3%
			55%
			33%

<b>MODE OF TRAVEL</b>		<b>Trips Made by Residents of Ward 4</b>	
Time Period	Trips	Auto Driver	Auto Passng.
6 - 9 a.m.	8,500	73%	10%
			Local Transit
			GO Train
			Walk & Cycle
24 hours	39,800	76%	15%
			0%
			2%
			4%
Median Trip Length: (kilometres)			
	10.2	3.4	17.5
	40.1		
<b>Trips Made to Ward 4</b>		<b>Destination Purpose</b>	
Time Period	Trips	Auto Driver	Auto Passng.
6 - 9 a.m.	3,800	69%	10%
			Local Transit
			GO Train
			Walk & Cycle
24 hours	30,500	75%	15%
			0%
			1%
			5%
			3%



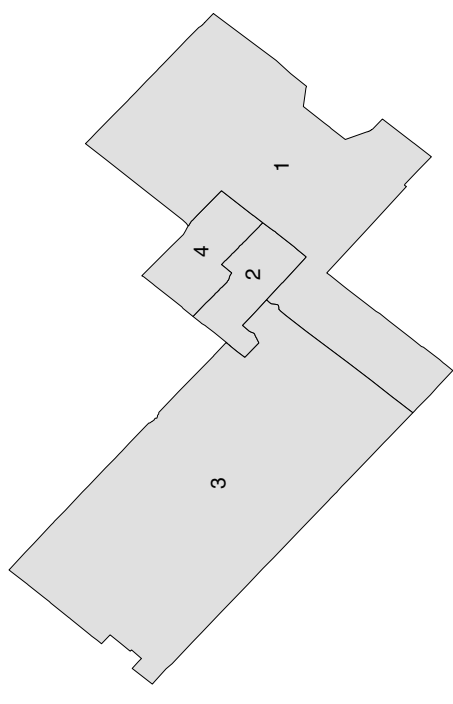
\* is used to denote categories that have less than four observations or survey records



## DEMOGRAPHIC CHARACTERISTICS

<b>TOTAL NUMBER OF HOUSEHOLDS:</b>		10,700			
Dwelling Type	House	Townhouse		Apartment	
	80%	9%	11%		
Household Size (persons)	1	2	3	4	5+
	16%	36%	17%	20%	11%
No. of Available Vehicles	0	1	2	3	4+
	4%	30%	48%	12%	5%
Household Averages	Persons	Workers	Drivers	Vehicles	Trips/Day
	2.8	1.5	2.0	1.9	6.6

<b>TOTAL POPULATION:</b>		29,700			
Male	Population	Licenced Drivers	Student	Full time	Part F/T
	14,700	72%	22%	48%	2%
Female	Population	Licenced Drivers	Student	Full time	Part F/T
	14,900	71%	20%	36%	2%
On survey day: Made work trip		87%	45%	43%	32%
Occupation Type	Clerical	Manufacturing	Professional	Sales & Service	
	11%	21%	45%	24%	
Age	Median	0-10	11-15	16-25	26-45
	38.2	15%	6%	11%	30%
Daily trips/Person (age 11+):		2.8			



## TRAVEL PATTERNS

<b>TRIP PURPOSE</b>		<b>Trips Made by Residents of Milton</b>				
Time Period	Trips	% of 24 hr.	Trip Purpose Category			N-HB
	15,100	21.2%	HB-W	HB-S	HB-D	10%
6 - 9 a.m.	15,100	21.2%	54%	19%	17%	10%
24 hours	71,200	31%	9%	43%	17%	
Percentage of trips made within district: 6-9 a.m. =		53%	24 hours =		53%	
<b>Trips Made to Milton</b>		<b>Destination Purpose</b>				
Time Period	Trips	% of 24 hr.	Work			Home
	15,300	21.8%	55%	22%	4%	19%
6 - 9 a.m.	15,300	21.8%	55%	22%	4%	19%
24 hours	70,000	18%	5%	42%	35%	

<b>MODE OF TRAVEL</b>		<b>Trips Made by Residents of Milton</b>				
Time Period	Trips	Auto Driver	Auto Passng.	Local Transit	GO Train	Walk & Cycle
	6 - 9 a.m.	15,100	73%	10%	*	3%
24 hours	71,200	76%	16%	0%	1%	2%
Median Trip Length: (kilometres)		7.8	2.9	6.8	41.4	
<b>Trips Made to Milton</b>		Auto Driver	Auto Passng.	Local Transit	GO Train	Walk & Cycle
Time Period	Trips	Auto Driver	Auto Passng.	Local Transit	GO Train	Walk & Cycle
	6 - 9 a.m.	15,300	73%	12%	*	8%
24 hours	70,000	76%	15%	0%	1%	3%

\* is used to denote categories that have less than four observations or survey records



## DEMOGRAPHIC CHARACTERISTICS

**TOTAL NUMBER OF HOUSEHOLDS:** 900

Dwelling Type	House 92%	Townhouse *	Apartment *
Household Size (persons)	1 22%	2 39%	3 18%
		4 15%	5+ *
No. of Available Vehicles	0 *	1 27%	2 43%
		3 21%	4+ *
Household Averages	Persons 2.5	Workers 1.4	Drivers 1.9
		Vehicles 2.1	Trips/Day 5.3

**TOTAL POPULATION:** 2,300

Male	Population 1,200	Transit Pass *	Licensed Drivers 80%	Student 10%	Full time 53%	Part time *	Work at Home F/T *	P/T *
Female	1,100	*	72%	18%	33%	6%	*	*
On survey day: Made work trip								
Occupation Type	Clerical 10%	Manufacturing 25%	Professional 50%	Sales & Service 15%				
Age	Median 40.6	0-10 13%	11-15 6%	16-25 5%	26-45 32%	46-64 25%	65+ 19%	
Daily trips/Person (age 11+):	2.4							

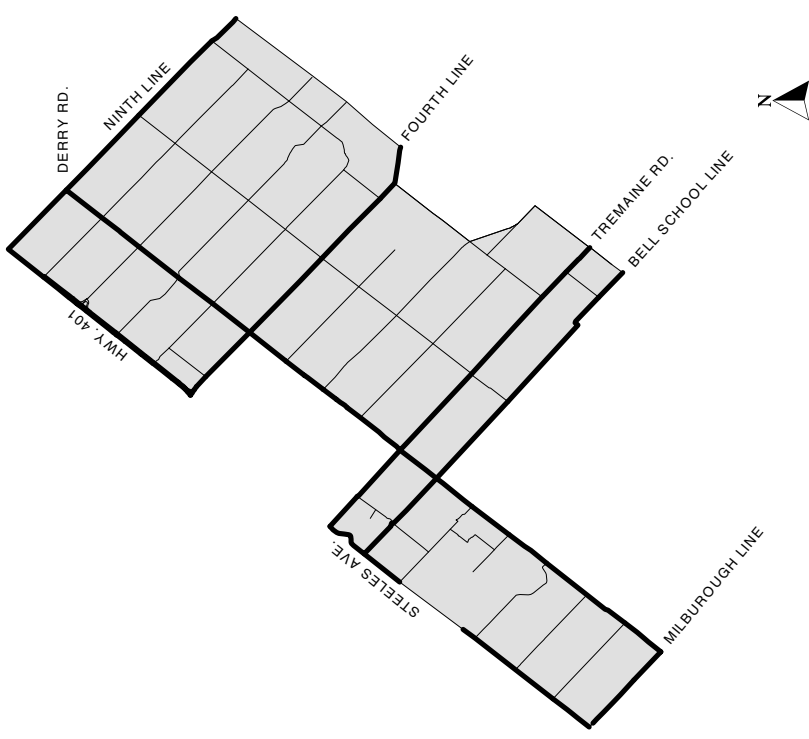
## TRAVEL PATTERNS

**TRIP PURPOSE**  
Trips Made by Residents of Ward 1

Time Period	Trips	Trip Purpose Category			
		HB-W 59%	HB-S 13%	HB-D 19%	N-HB 10%
6 - 9 a.m.	1,100	22.4%	13%	19%	10%
24 hours	4,900	35%	6%	45%	15%
Percentage of trips made within district: 6-9 a.m. = 12%    24 hours = 7%					
<b>Trips Made to Ward 1</b>					
Time Period	Trips	% of 24 hr.	Work 61%	School 12%	Home *
6 - 9 a.m.	1,900	25.3%	61%	12%	24%
24 hours	7,500	23%	3%	28%	47%

**MODE OF TRAVEL**  
Trips Made by Residents of Ward 1

Time Period	Trips	Mode of Travel				
		Auto Driver 76%	Auto Passng. *	Local Transit *	GO Train 7%	Walk & Cycle *
6 - 9 a.m.	1,100	76%	*	*	7%	13%
24 hours	4,900	76%	13%	*	5%	6%
Median Trip Length: (kilometres)						36.5
<b>Trips Made to Ward 1</b>						
Time Period	Trips	Auto Driver 73%	Auto Passng. 15%	Local Transit *	GO Train *	Walk & Cycle 8%
6 - 9 a.m.	1,900	73%	15%	*	*	*
24 hours	7,500	79%	14%	*	2%	3%



\* is used to denote categories that have less than four observations or survey records



## DEMOGRAPHIC CHARACTERISTICS

**TOTAL NUMBER OF HOUSEHOLDS:** 4,200

Dwelling Type      House      Townhouse      Apartment  
 69%      13%      18%

Household Size (persons)      1      2      3      4      5+  
 17%      37%      18%      17%      10%

No. of Available Vehicles      0      1      2      3      4+  
 6%      39%      42%      10%      3%

Household Averages      Persons      Workers      Drivers      Vehicles      Trips/Day  
 2.7      1.4      1.9      1.7      6.1

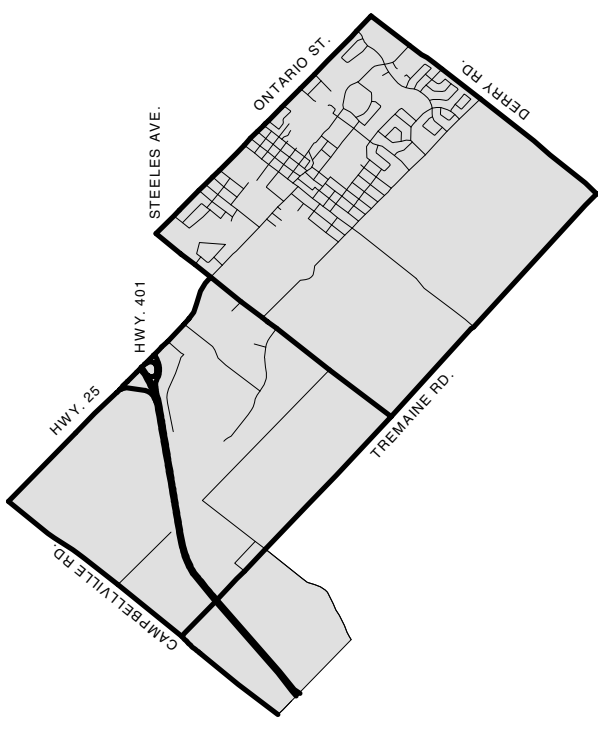
**TOTAL POPULATION:** 11,300

Population      5,400      Licenced Drivers      72%      Student      20%      Full time      46%      Part time      8%      Work at Home      3%  
 Male      5,900      Female      3%      On survey day:      Made work trip      88%      44%      55%

Occupation      Clerical      Manufacturing      Professional      Sales & Service      26%  
 14%      21%      40%

Age      Median      36.5      0-10      17%      11-15      5%      16-25      10%      26-45      33%      46-64      21%      65+      15%

Daily trips/Person (age 11+): 2.7



## TRAVEL PATTERNS

### TRIP PURPOSE

**Trips Made by Residents of Ward 2**

Time Period	Trips	Trip Purpose Category			
		HB-W	HB-S	HB-D	N-HB
6 - 9 a.m.	5,800	22.4%	17%	19%	11%
24 hours	25,900	33%	8%	44%	16%

Percentage of trips made within district: 6-9 a.m. = 29%      24 hours = 24%

**Trips Made to Ward 2**

Time Period	Trips	Destination Purpose		
		Work	School	Home
6 - 9 a.m.	5,200	21.4%	18%	5%
24 hours	24,300	18%	4%	45%

### MODE OF TRAVEL

**Trips Made by Residents of Ward 2**

Time Period	Trips	Mode of Travel				
		Auto Driver	Auto Passng.	Local Transit	GO Train	Walk & Cycle
6 - 9 a.m.	5,800	73%	11%	*	2%	9%
24 hours	25,900	74%	18%	1%	1%	5%

Median Trip Length: (kilometres)      3.9      2.9      6.4      42.2

**Trips Made to Ward 2**

Time Period	Trips	Mode of Travel				
		Auto Driver	Auto Passng.	Local Transit	GO Train	Walk & Cycle
6 - 9 a.m.	5,200	75%	11%	*	*	8%
24 hours	24,300	76%	16%	*	0%	5%

\* is used to denote categories that have less than four observations or survey records

## DEMOGRAPHIC CHARACTERISTICS

**TOTAL NUMBER OF HOUSEHOLDS:** 1,400

Dwelling Type	House 99%	Townhouse *	Apartment *
Household Size (persons)	1 12%	2 50%	3 14%
		4 18%	5+ 5%

No. of Available Vehicles	1 15%	2 58%	3 15%	4+ 9%
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Household Averages	Persons 2.5	Workers 1.4	Drivers 2.1	Vehicles 2.2	Trips/Day 5.9
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**TOTAL POPULATION:** 3,600

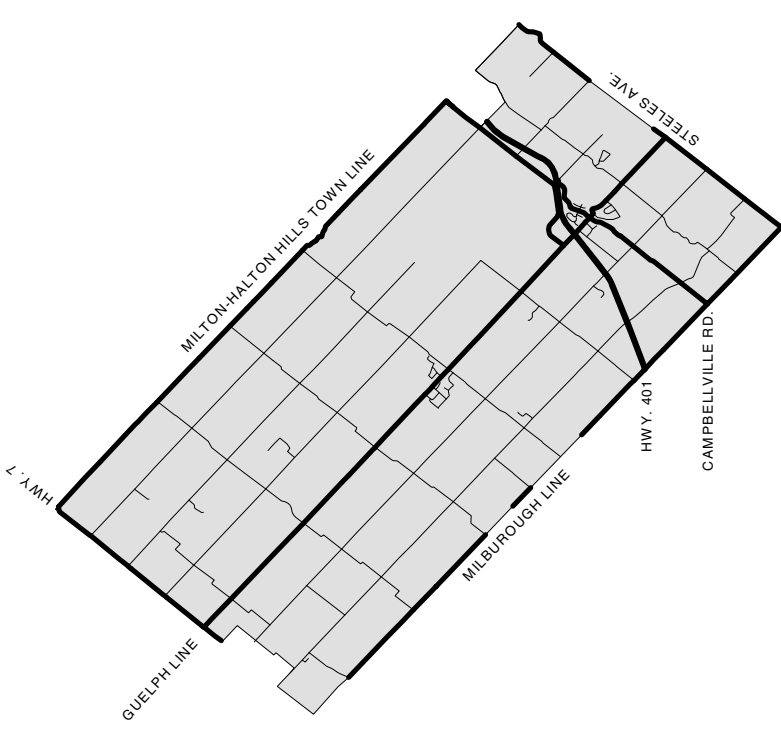
Male	Population 1,600	Transit Pass *	Licensed Drivers 87%	Student 14%	Full time 48%	Part time 7%	Work at Home F/T *	P/T *
Female	1,900	*	80%	20%	35%	12%	*	*

On survey day: Made work trip 87% 23% \*

Occupation Type	Clerical 8%	Manufacturing 23%	Professional 45%	Sales & Service 24%
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Age	0-10 9%	11-15 5%	16-25 11%	26-45 24%	46-64 37%	65+ 14%
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Daily trips/Person (age 11+): 2.5



## TRAVEL PATTERNS

### TRIP PURPOSE

**Trips Made by Residents of Ward 3**

Time Period 6 - 9 a.m.	Trips 1,500	Trip Purpose Category			
		HB-W 61%	HB-S 21%	HB-D 13%	N-HB 5%
24 hours	8,200	30%	8%	43%	19%

Percentage of trips made within district: 6-9 a.m. = 12% 24 hours = 9%

**Trips Made to Ward 3**

Time Period 6 - 9 a.m.	Trips 1,100	Destination Purpose		
		Work 78%	School 7%	Home 15%
24 hours	6,400	19%	1%	29%

### MODE OF TRAVEL

**Trips Made by Residents of Ward 3**

Time Period 6 - 9 a.m.	Trips 1,500	Mode of Travel				
		Auto Driver 76%	Auto Passng. 10%	Local Transit *	GO Train *	Walk & Cycle 11%
24 hours	8,200	82%	13%	*	1%	4%

Median Trip Length: (kilometres)  
15.6 16.4 \* 51

**Trips Made to Ward 3**

Time Period 6 - 9 a.m.	Trips 1,100	Mode of Travel				
		Auto Driver 87%	Auto Passng. 6%	Local Transit *	GO Train *	Walk & Cycle 7%
24 hours	6,400	83%	13%	*	*	4%

\* is used to denote categories that have less than four observations or survey records



University of Toronto  
Joint Program in Transportation  
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## DEMOGRAPHIC CHARACTERISTICS

### TOTAL NUMBER OF HOUSEHOLDS:

	House		Townhouse		Apartment	
Dwelling Type	82%		10%		8%	
Household Size (persons)	1	2	3	4	5+	
	14%	30%	17%	25%	14%	

No. of Available Vehicles	0	1	2	3	4+
	3%	27%	53%	11%	5%

Household Averages	Persons	Workers	Drivers	Vehicles	Trips/Day
	3.0	1.7	2.1	1.9	7.8

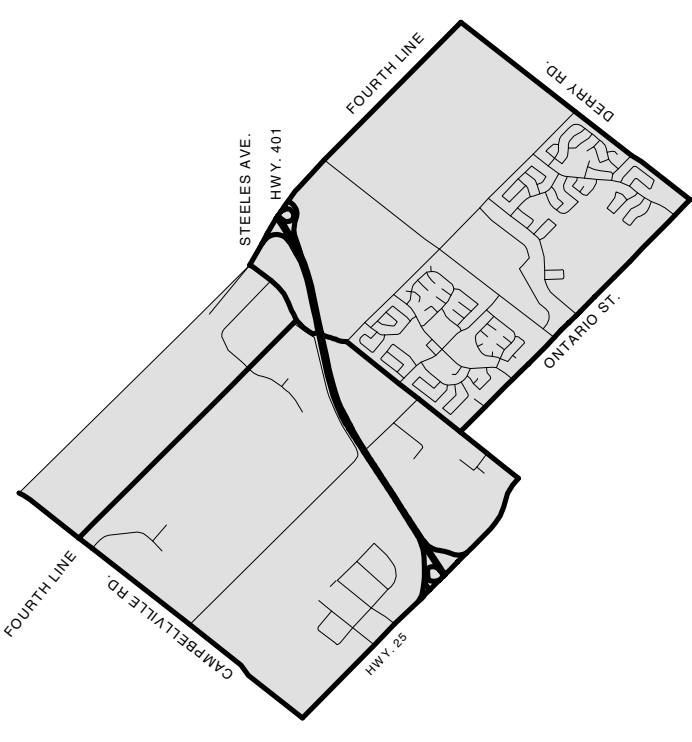
### TOTAL POPULATION:

	Population		Licenced Drivers		Student		Full time		Part time		Work at Home	
Male	6,400		68%		27%		48%		9%		2%	
Female	6,000		70%		24%		36%		13%		1%	

On survey day: Made work trip		88%		53%		50%	
Occupation Type	Clerical	Manufacturing	Professional	Sales & Service			
	10%	19%	48%	23%			

Age	Median	37.4	0-10	11-15	16-25	26-45	46-64	65+
			16%	7%	14%	28%	27%	8%

Daily trips/Person (age 11+): 3.1



## TRAVEL PATTERNS

### TRIP PURPOSE

#### Trips Made by Residents of Ward 4

Time Period	Trips	Trip Purpose Category				
	6 - 9 a.m.	6,600	20.5%	HB-W	HB-S	HB-D
24 hours	32,200	30%	10%	42%	17%	

Percentage of trips made within district: 6-9 a.m. = 33% 24 hours = 33%

#### Trips Made to Ward 4

Time Period	Trips	Destination Purpose				
	6 - 9 a.m.	7,100	22.4%	Work	School	Home
24 hours	31,700	17%	7%	42%	34%	

### MODE OF TRAVEL

#### Trips Made by Residents of Ward 4

Time Period	Trips	Mode of Travel						
	6 - 9 a.m.	6,600	72%	Auto Driver	Auto Passng.	Local Transit	GO Train	Walk & Cycle
24 hours	32,200	76%	16%	*	1%	6%	1%	

Median Trip Length: (kilometres) 2.7 1.8 \* 41.4

#### Trips Made to Ward 4

Time Period	Trips	Mode of Travel						
	6 - 9 a.m.	7,100	68%	Auto Driver	Auto Passng.	Local Transit	GO Train	Walk & Cycle
24 hours	31,700	75%	16%	*	1%	6%	3%	

\* is used to denote categories that have less than four observations or survey records

## DEMOGRAPHIC CHARACTERISTICS

**TOTAL NUMBER OF HOUSEHOLDS:** 49,500

Dwelling Type    House 75%    Townhouse 7%    Apartment 17%

Household Size (persons)    1 16%    2 31%    3 20%    4 23%    5+ 10%

No. of Available Vehicles    0 5%    1 32%    2 51%    3 10%    4+ 2%

Household Averages    Persons 2.8    Workers 1.4    Drivers 1.9    Vehicles 1.7    Trips/Day 7.0

**TOTAL POPULATION:** 140,000

Male    Population 69,000    Transit Pass 6%    Licenced Drivers 70%    Student 26%    Full time 47%    Part time 5%    Work at Home F/T 3%    P/T 1%

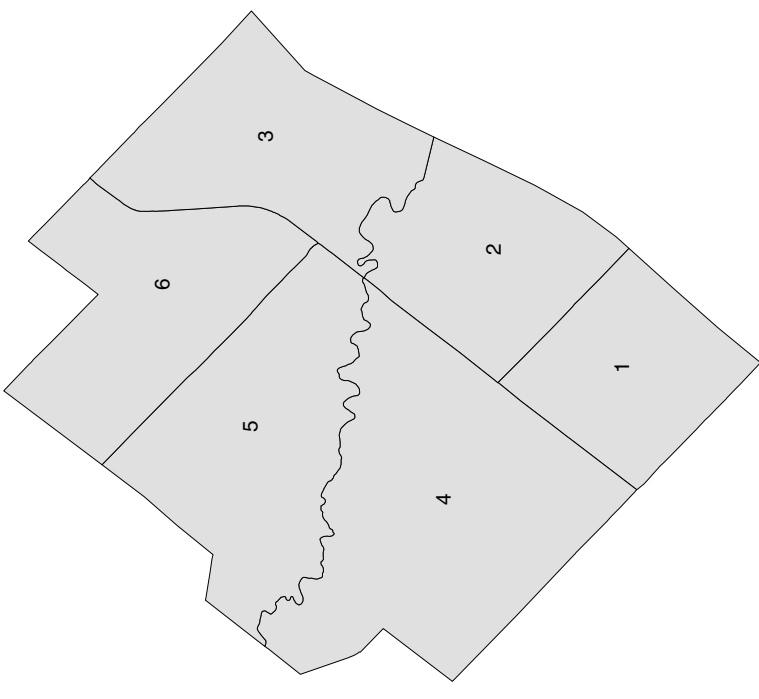
Female    71,100    5%    67%    24%    31%    11%    2%    1%

On survey day:    Made work trip    86%    50%    42%    14%

Occupation Type    Clerical 11%    Manufacturing 15%    Professional 56%    Sales & Service 19%

Age    Median 36.7    0-10 16%    11-15 8%    16-25 10%    26-45 32%    46-64 21%    65+ 12%

Daily trips/Person (age 11+): 2.9



## TRAVEL PATTERNS

### TRIP PURPOSE

#### Trips Made by Residents of Oakville

Time Period	Trips	Trip Purpose Category				
		HB-W	HB-S	HB-D	N-HB	
6 - 9 a.m.	77,700	22.5%	47%	21%	22%	10%
24 hours	344,800	28%	11%	44%	17%	17%

Percentage of trips made within district: 6-9 a.m. = 53%    24 hours = 58%

#### Trips Made to Oakville

Time Period	Trips	Destination Purpose				
		Work	School	Home		
6 - 9 a.m.	71,900	21.5%	48%	24%	6%	22%
24 hours	334,100	15%	6%	43%	36%	36%

### MODE OF TRAVEL

#### Trips Made by Residents of Oakville

Time Period	Trips	Mode of Travel				
		Auto Driver	Auto Passng.	Local Transit	GO Train	Walk & Cycle
6 - 9 a.m.	77,700	65%	12%	2%	9%	7%
24 hours	344,800	72%	15%	1%	4%	4%

Median Trip Length: (kilometres)    4.8    3.5    3.2    33.9

#### Trips Made to Oakville

Time Period	Trips	Mode of Travel				
		Auto Driver	Auto Passng.	Local Transit	GO Train	Walk & Cycle
6 - 9 a.m.	71,900	71%	14%	2%	1%	7%
24 hours	334,100	73%	16%	1%	2%	4%

\* is used to denote categories that have less than four observations or survey records

## DEMOGRAPHIC CHARACTERISTICS

**TOTAL NUMBER OF HOUSEHOLDS:** 6,400

Dwelling Type    House 62%    Townhouse 6%    Apartment 32%

Household Size (persons)    1 26%    2 39%    3 14%    4 7%    5+ 7%

No. of Available Vehicles    0 9%    1 37%    2 45%    3 6%    4+ 3%

Household Averages    Persons 2.4    Workers 1.0    Drivers 1.7    Vehicles 1.6    Trips/Day 5.9

**TOTAL POPULATION:** 15,200

Male 7,300    Female 8,000    Population 7,300    Transit Pass 5%    Licenced Drivers 74%    Student 21%    Full time 41%    Part time 4%    Work at Home P/T 2%    \*

On survey day:    Made work trip 84%    48%    43%    \*

Occupation    Clerical 12%    Manufacturing 17%    Professional 52%    Sales & Service 20%

Age    Median 44.3    0-10 13%    11-15 6%    16-25 8%    26-45 25%    46-64 23%    65+ 25%

Daily trips/Person (age 11+): 2.8



## TRAVEL PATTERNS

### TRIP PURPOSE

**Trips Made by Residents of Ward 1**

Time Period	Trips	Trip Purpose Category			
		HB-W	HB-S	HB-D	N-HB
6 - 9 a.m.	7,000	18.4%	19%	25%	10%
24 hours	37,500	23%	8%	50%	19%

Percentage of trips made within district: 6-9 a.m. = 21%    24 hours = 20%

**Trips Made to Ward 1**

Time Period	Trips	Destination Purpose		
		Work	School	Home
6 - 9 a.m.	7,000	21.3%	21%	6%
24 hours	32,900	16%	5%	46%

### MODE OF TRAVEL

**Trips Made by Residents of Ward 1**

Time Period	Trips	Mode of Travel				
		Auto Driver	Auto Passng.	Local Transit	GO Train	Walk & Cycle
6 - 9 a.m.	7,000	70%	10%	1%	8%	6%
24 hours	37,500	75%	15%	1%	3%	3%

Median Trip Length: (kilometres)    5.6    4.4    5.5    38.2

**Trips Made to Ward 1**

Time Period	Trips	Mode of Travel				
		Auto Driver	Auto Passng.	Local Transit	GO Train	Walk & Cycle
6 - 9 a.m.	7,000	74%	11%	1%	1%	6%
24 hours	32,900	75%	15%	1%	2%	4%

\* is used to denote categories that have less than four observations or survey records



## DEMOGRAPHIC CHARACTERISTICS

**TOTAL NUMBER OF HOUSEHOLDS:** 8,700

Dwelling Type	House	Townhouse	Apartment		
	65%	4%	31%		
Household Size (persons)	1	2	3	4	5+
	27%	38%	16%	14%	5%

No. of Available Vehicles	0	1	2	3	4+
	10%	44%	36%	9%	2%

Household Averages	Persons	Workers	Drivers	Vehicles	Trips/Day
	2.3	1.2	1.7	1.5	5.7

**TOTAL POPULATION:** 20,300

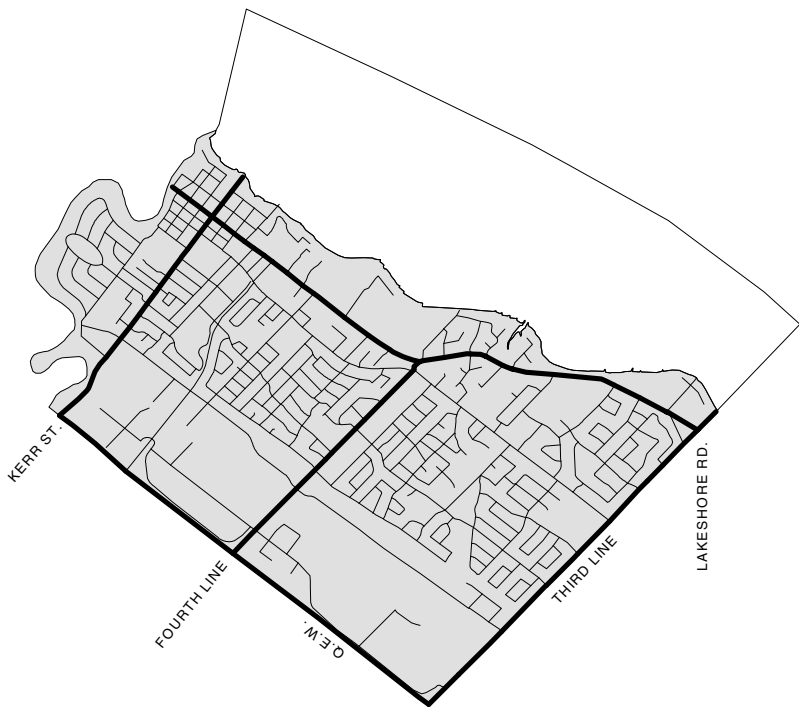
Male	Population	Transit Pass	Licenced Drivers	Student	Full time	Part time	Work at Home F/T	Work at Home P/T
	9,900	4%	75%	19%	45%	6%	3%	*
Female	10,500	7%	67%	16%	33%	9%	4%	1%

On survey day: Made work trip

Occupation Type	Clerical	Manufacturing	Professional	Sales & Service
	12%	19%	48%	21%

Age	0-10	11-15	16-25	26-45	46-64	65+
Median	41.5	10%	5%	10%	30%	22%
	10%	11-15	16-25	26-45	46-64	65+
	10%	5%	10%	30%	22%	22%

Daily trips/Person (age 11+): 2.7



## TRAVEL PATTERNS

### TRIP PURPOSE

Trips Made by Residents of Ward 2

Time Period	Trips	Trip Purpose Category			
		HB-W	HB-S	HB-D	N-HB
6 - 9 a.m.	10,200	50%	17%	24%	8%
24 hours	49,200	28%	8%	45%	19%

Percentage of trips made within district: 6-9 a.m. = 28% 24 hours = 26%

Trips Made to Ward 2

Time Period	Trips	Destination Purpose			
		Work	School	Home	Other
6 - 9 a.m.	14,700	52%	24%	5%	19%
24 hours	59,200	19%	7%	34%	41%

### MODE OF TRAVEL

Trips Made by Residents of Ward 2

Time Period	Trips	Mode of Travel					
		Auto Driver	Auto Passng.	Local Transit	GO Train	Walk & Cycle	Other
6 - 9 a.m.	10,200	67%	14%	3%	8%	6%	2%
24 hours	49,200	71%	16%	3%	4%	4%	1%

Median Trip Length: (kilometres)  
4.1 3.5 3.1 34.7

Trips Made to Ward 2

Time Period	Trips	Mode of Travel					
		Auto Driver	Auto Passng.	Local Transit	GO Train	Walk & Cycle	Other
6 - 9 a.m.	14,700	69%	12%	3%	1%	5%	12%
24 hours	59,200	73%	16%	2%	2%	3%	4%

\* is used to denote categories that have less than four observations or survey records

## DEMOGRAPHIC CHARACTERISTICS

<b>TOTAL NUMBER OF HOUSEHOLDS:</b>	8,400	
<b>Dwelling Type</b>	House	Apartment
	90%	8%
<b>Household Size (persons)</b>	1	5+
	11%	12%
<b>No. of Available Vehicles</b>	0	4+
	3%	2%
<b>Household Averages</b>	Persons	Workers
	2.9	1.5
	Drivers	Vehicles
	2.1	1.9
	Trips/Day	
	7.6	

<b>TOTAL POPULATION:</b>	24,800	
<b>Male</b>	Population	Licenced Drivers
	12,300	71%
<b>Female</b>	12,500	70%
<b>Employment Status</b>	Transit Pass	Student
	6%	27%
	4%	25%
	45%	49%
	5%	35%
	12%	3%
	28%	2%
	87%	*
<b>Occupation Type</b>	Clerical	Professional
	9%	63%
	11%	17%
<b>Age</b>	0-10	11-15
	16%	9%
	9%	28%
	27%	12%
	39.9	65+
<b>Daily trips/Person (age 11+):</b>	3.1	



## TRAVEL PATTERNS

<b>TRIP PURPOSE</b>	Trips Made by Residents of Ward 3			
<b>Time Period</b>	Trips	% of 24 hr.	HB-W	N-HB
6 - 9 a.m.	14,100	21.8%	43%	11%
24 hours	64,600	25%	11%	17%
Percentage of trips made within district: 6-9 a.m. = 35% 24 hours = 29%				
<b>Trips Made to Ward 3</b>	Destination Purpose			
<b>Time Period</b>	Trips	% of 24 hr.	Work	Other
6 - 9 a.m.	17,400	24.3%	54%	24%
24 hours	71,600	20%	5%	38%

<b>MODE OF TRAVEL</b>	Trips Made by Residents of Ward 3			
<b>Time Period</b>	Trips	Auto Driver	Local Transit	GO Train
6 - 9 a.m.	14,100	64%	1%	6%
24 hours	64,600	72%	1%	3%
Median Trip Length: (kilometres)				
	4.7	3.4	3.6	29
<b>Trips Made to Ward 3</b>	Mode of Travel			
<b>Time Period</b>	Trips	Auto Driver	Local Transit	GO Train
6 - 9 a.m.	17,400	75%	1%	4%
24 hours	71,600	75%	1%	3%

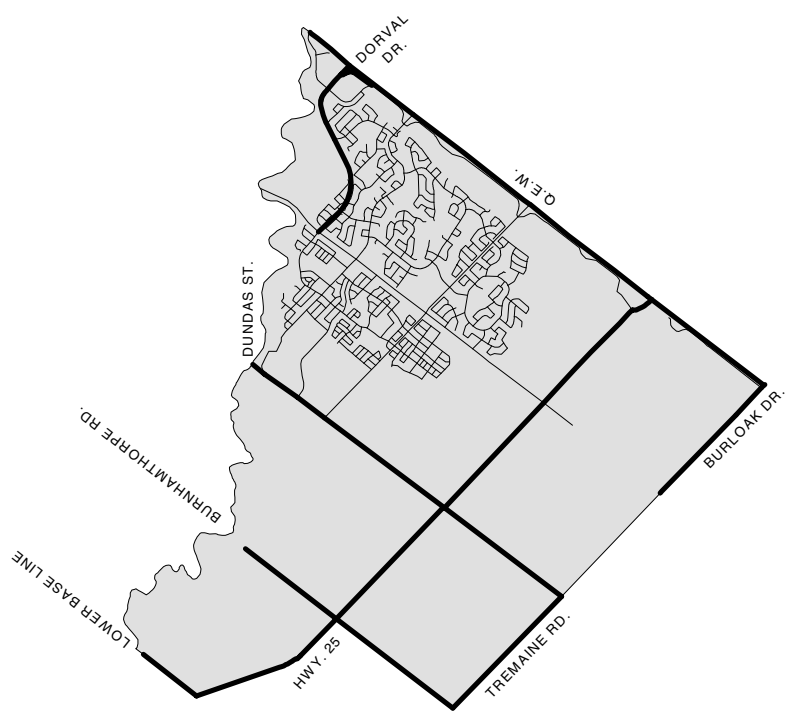
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## DEMOGRAPHIC CHARACTERISTICS

<b>TOTAL NUMBER OF HOUSEHOLDS:</b>		10,000		<b>TOTAL POPULATION:</b>		32,000																			
Dwelling Type	House	83%	Townhouse	11%	Population	16,100	Transit Pass	5%	Licenced Drivers	66%	Student	30%	Full time	50%	Part time	5%	Work at Home F/T	3%	Work at Home P/T	*					
	Apartment	6%			Male	16,100																			
Household Size (persons)	1	8%	2	23%	3	31%	4	14%	5+	14%	Female	15,900	On survey day:	Made work trip	85%	52%	32%	*							
	0	1%	27%	1	2%	3	10%	3%	4+	3%	Occupation Type	Clerical	10%	Manufacturing	13%	Professional	59%	Sales & Service	18%						
No. of Available Vehicles	0	1%	27%	1	2%	3	10%	3%	4+	3%	Age	Median	32.3	0-10	21%	11-15	9%	16-25	10%	26-45	38%	46-64	18%	65+	4%
	1	8%	23%	2	23%	3	31%	4	14%	14%	Daily trips/Person (age 11+):	3.0													
Household Averages	Persons	3.2	Workers	1.7	Drivers	2.1	Vehicles	1.9	Trips/Day	7.5															



## TRAVEL PATTERNS

<b>TRIP PURPOSE</b>		<b>Trips Made by Residents of Ward 4</b>		<b>Trips Made to Ward 4</b>	
Time Period	Trips	% of 24 hr.	HB-W	HB-S	N-HB
6 - 9 a.m.	18,800	25.0%	46%	23%	21%
24 hours	75,200	31%	12%	41%	16%
Percentage of trips made within district: 6-9 a.m. = 21% 24 hours = 22%					
<b>Trips Made to Ward 4</b>		<b>Mode of Travel</b>		<b>Trips Made to Ward 4</b>	
Time Period	Trips	% of 24 hr.	Auto Driver	Auto Passng.	Local Transit
6 - 9 a.m.	10,400	17.4%	69%	17%	1%
24 hours	59,800	11%	72%	16%	0%
Median Trip Length: (kilometres)					
		5.3		3.7	
		36.6		36.6	
<b>Destination Purpose</b>		<b>Mode of Travel</b>		<b>Trips Made to Ward 4</b>	
Time Period	Trips	% of 24 hr.	Auto Driver	Auto Passng.	Local Transit
6 - 9 a.m.	10,400	17.4%	69%	17%	1%
24 hours	59,800	11%	72%	16%	0%
Median Trip Length: (kilometres)					
		5.3		3.7	
		36.6		36.6	

\* is used to denote categories that have less than four observations or survey records



## DEMOGRAPHIC CHARACTERISTICS

**TOTAL NUMBER OF HOUSEHOLDS:** 9,900

Dwelling Type	House	Townhouse	Apartment
	75%	10%	15%

Household Size (persons)	Household Size			
	1	2	3	4
	12%	28%	23%	25%
				5+
				12%

No. of Available Vehicles	No. of Available Vehicles			
	0	1	2	3
	5%	29%	55%	10%
				4+
				2%

Household Averages	Household Averages			
	Persons	Workers	Drivers	Vehicles
	3.0	1.6	2.0	1.8
				Trips/Day
				7.3

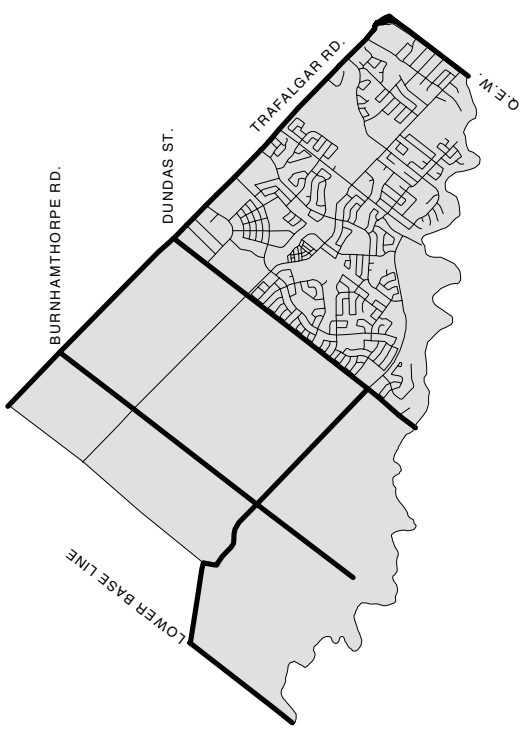
**TOTAL POPULATION:** 29,900

Male	Population	Transit Pass	Licenced Drivers	Employment Status			
				Student	Full time	Part time	Work at Home
	14,600	7%	69%	27%	50%	5%	0%
Female	15,300	6%	65%	27%	34%	12%	1%
	On survey day: Made work trip						
			88%	44%	56%		*

Occupation Type	Occupation Type			
	Clerical	Manufacturing	Professional	Sales & Service
	10%	14%	56%	20%

Age	Median	Age Group			
		0-10	11-15	16-25	26-45
	34.1	18%	8%	12%	36%
					46-64
					20%
					65+
					6%

Daily trips/Person (age 11+): 3.0



## TRAVEL PATTERNS

### TRIP PURPOSE

**Trips Made by Residents of Ward 5**

Time Period	Trips	Trip Purpose Category			
		HB-W	HB-S	HB-D	N-HB
6 - 9 a.m.	17,100	23.7%	51%	21%	20%
24 hours	72,300	30%	11%	41%	17%

Percentage of trips made within district: 6-9 a.m. = 23% 24 hours = 21%

**Trips Made to Ward 5**

Time Period	Trips	Destination Purpose		
		Work	School	Home
6 - 9 a.m.	8,300	15.3%	27%	31%
24 hours	54,300	7%	5%	55%

### MODE OF TRAVEL

**Trips Made by Residents of Ward 5**

Time Period	Trips	Mode of Travel				
		Auto Driver	Auto Passng.	Local Transit	GO Train	Walk & Cycle
6 - 9 a.m.	17,100	65%	12%	2%	9%	3%
24 hours	72,300	71%	15%	2%	5%	2%

Median Trip Length: (kilometres)  
4.7 3.2 2.3 33.2

**Trips Made to Ward 5**

Time Period	Trips	Mode of Travel				
		Auto Driver	Auto Passng.	Local Transit	GO Train	Walk & Cycle
6 - 9 a.m.	8,300	61%	17%	2%	*	14%
24 hours	54,300	70%	16%	2%	3%	6%

\* is used to denote categories that have less than four observations or survey records



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## DEMOGRAPHIC CHARACTERISTICS

**TOTAL NUMBER OF HOUSEHOLDS:** 6,100

Dwelling Type	House	Townhouse	Apartment
	71%	12%	18%

Household Size (persons)	1	2	3	4	5+
	16%	26%	22%	27%	9%

No. of Available Vehicles	0	1	2	3	4+
	3%	34%	48%	12%	3%

Household Averages	Persons	Workers	Drivers	Vehicles	Trips/Day
	2.9	1.5	2.0	1.8	7.5

**TOTAL POPULATION:** 17,900

Male	Population	Transit Pass	Licenced Drivers	Student	Full time	Part time	Work at Home
	8,900	6%	71%	25%	48%	6%	F/T P/T
Female	9,000	5%	67%	26%	32%	12%	2%
On survey day: Made work trip							
			89%	55%	40%		*

Occupation Type	Clerical	Manufacturing	Professional	Sales & Service
	11%	16%	52%	20%

Age	0-10	11-15	16-25	26-45	46-64	65+
Median	14%	9%	13%	32%	22%	10%
	37.6					

Daily trips/Person (age 11+): 3.0

## TRAVEL PATTERNS

### TRIP PURPOSE

#### Trips Made by Residents of Ward 6

Time Period	Trips	Trip Purpose Category			
		HB-W	HB-S	HB-D	N-HB
6 - 9 a.m.	10,500	47%	22%	21%	9%
24 hours	46,000	28%	12%	44%	17%

Percentage of trips made within district: 6-9 a.m. = 25% 24 hours = 23%

#### Trips Made to Ward 6

Time Period	Trips	Destination Purpose		
		Work	School	Home
6 - 9 a.m.	14,300	25.4%	31%	3%
24 hours	56,400	17%	12%	34%
		48%	31%	18%
		17%	12%	34%

### MODE OF TRAVEL

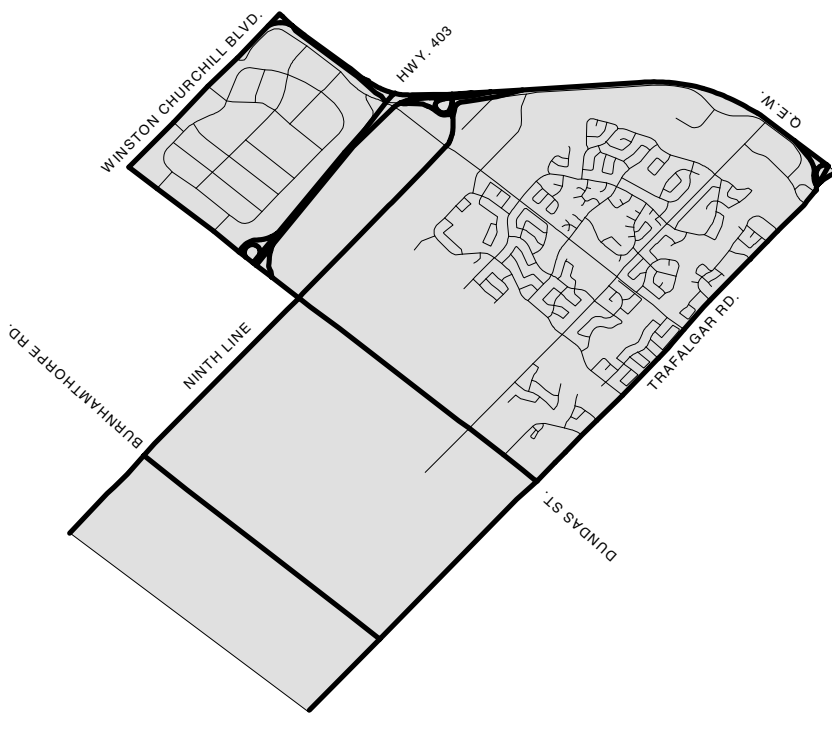
#### Trips Made by Residents of Ward 6

Time Period	Trips	Auto Driver	Auto Passng.	Local Transit	GO Train	Walk & Cycle	Other
		65%	12%	1%	8%	8%	6%
6 - 9 a.m.	10,500						
24 hours	46,000	71%	16%	1%	3%	5%	3%

Median Trip Length: (kilometres)  
4.7 3.2 3.9 31.2

#### Trips Made to Ward 6

Time Period	Trips	Auto Driver	Auto Passng.	Local Transit	GO Train	Walk & Cycle	Other
		72%	15%	3%	2%	8%	2%
6 - 9 a.m.	14,300						
24 hours	56,400	73%	16%	1%	2%	5%	2%



\* is used to denote categories that have less than four observations or survey records

## DEMOGRAPHIC CHARACTERISTICS

**TOTAL NUMBER OF HOUSEHOLDS:** 57,200

Dwelling Type    House 67%    Townhouse 11%    Apartment 22%

Household Size (persons)    1 20%    2 37%    3 17%    4 18%    5+ 8%

No. of Available Vehicles    0 5%    1 36%    2 47%    3 9%    4+ 3%

Household Averages    Persons 2.6    Workers 1.3    Drivers 1.9    Vehicles 1.7    Trips/Day 6.2

**TOTAL POPULATION:** 148,700

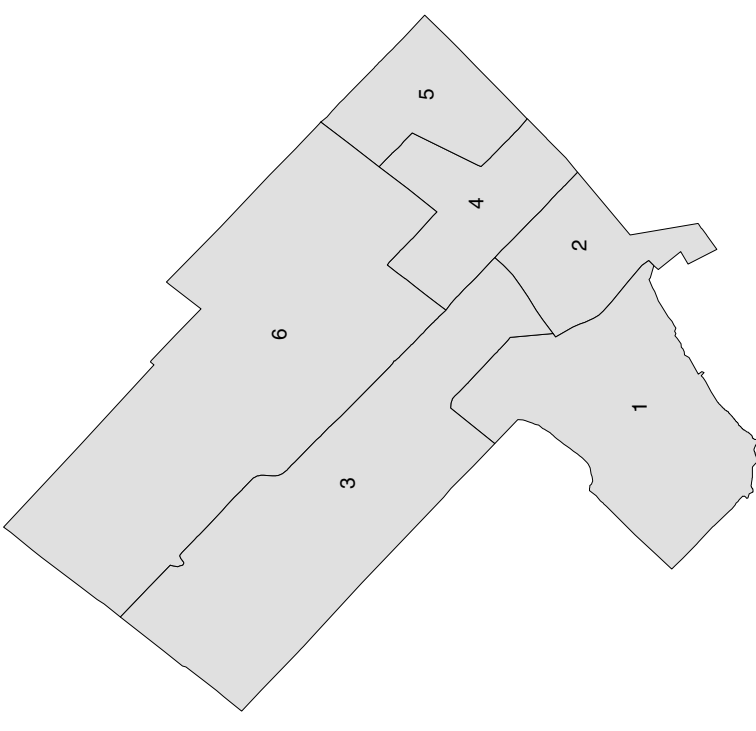
Male 72,000    Population 72,000    Transit Pass 4%    Licenced Drivers 74%    Student 22%    Full time 48%    Part time 5%    Work at Home F/T 3%    P/T 0%

Female 76,700    On survey day:    Made work trip 85%    50%    40%    17%

Occupation Type    Clerical 11%    Manufacturing 16%    Professional 50%    Sales & Service 23%

Age    Median 38.9    0-10 14%    11-15 7%    16-25 10%    26-45 30%    46-64 23%    65+ 15%

Daily trips/Person (age 11+): 2.8



## TRAVEL PATTERNS

### TRIP PURPOSE

#### Trips Made by Residents of Burlington

Time Period 6 - 9 a.m.    Trips 75,400    % of 24 hr. 21.1%    HB-W 51%    HB-S 20%    HB-D 20%    N-HB 9%

24 hours    357,700    29%    9%    45%    17%

Percentage of trips made within district: 6-9 a.m. = 55%    24 hours = 62%

#### Trips Made to Burlington

Time Period 6 - 9 a.m.    Trips 65,600    % of 24 hr. 19.0%    Work 53%    School 21%    Home 5%    Other 21%

24 hours    345,800    15%    4%    43%    38%

### MODE OF TRAVEL

#### Trips Made by Residents of Burlington

Time Period 6 - 9 a.m.    Trips 75,400    Auto Driver 70%    Auto Passng. 13%    Local Transit 1%    GO Train 4%    Walk & Cycle 7%    Other 4%

24 hours    357,700    75%    16%    1%    2%    4%    2%

Median Trip Length: (kilometres)    4.6    3.1    3.8    45.6

#### Trips Made to Burlington

Time Period 6 - 9 a.m.    Trips 65,600    Auto Driver 71%    Auto Passng. 15%    Local Transit 2%    GO Train 0%    Walk & Cycle 8%    Other 4%

24 hours    345,800    75%    17%    1%    1%    4%    2%

\* is used to denote categories that have less than four observations or survey records

## DEMOGRAPHIC CHARACTERISTICS

**TOTAL NUMBER OF HOUSEHOLDS:** 8,200

Dwelling Type	House	Townhouse	Apartment
	74%	8%	18%

Household Size (persons)	Household Size				
	1	2	3	4	5+
	18%	42%	19%	14%	8%

No. of Available Vehicles	No. of Available Vehicles				
	0	1	2	3	4+
	3%	33%	50%	9%	5%

Household Averages	Household Averages				
	Persons	Workers	Drivers	Vehicles	Trips/Day
	2.6	1.3	2.0	1.8	6.4

**TOTAL POPULATION:** 20,900

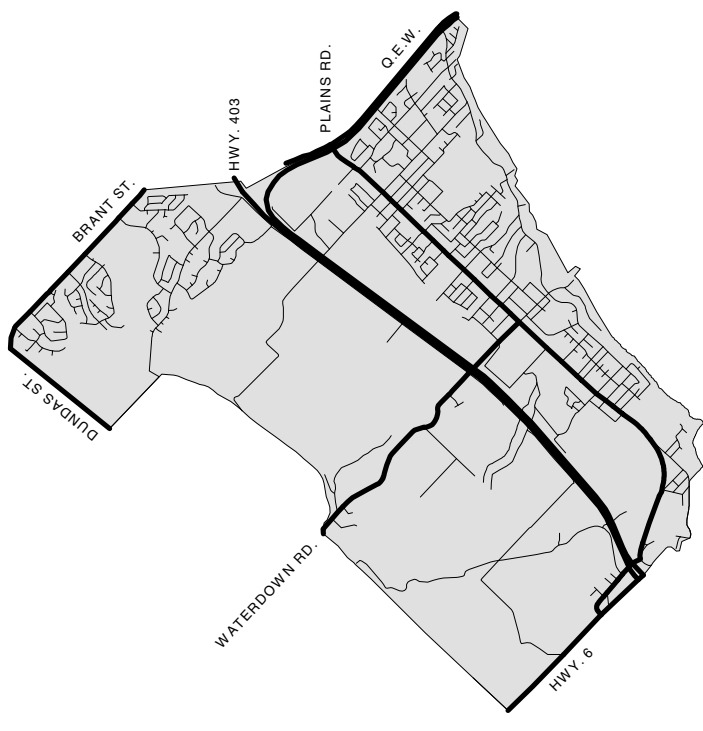
Male	Male					Female				
	Population	Licenced Drivers	Transit Pass	Student	Full time	Part time	Work at Home	F/T	P/T	
	10,300	80%	3%	19%	48%	6%	3%	1%		
	10,600	73%	2%	17%	29%	14%	3%	1%		

Occupation Type	Occupation Type				
	Clerical	Manufacturing	Professional	Sales & Service	Other
	10%	17%	52%	22%	

**Age**

Age	0-10	11-15	16-25	26-45	46-64	65+
Median	41.3	13%	11%	27%	29%	16%

Daily trips/Person (age 11+): 2.9



## TRAVEL PATTERNS

### TRIP PURPOSE

**Trips Made by Residents of Ward 1**

Time Period	Trips	Trip Purpose Category			
		HB-W	HB-S	HB-D	N-HB
6 - 9 a.m.	10,300	55%	17%	19%	9%
24 hours	52,000	28%	7%	46%	18%

Percentage of trips made within district: 6-9 a.m. = 21% 24 hours = 18%

**Trips Made to Ward 1**

Time Period	Trips	Destination Purpose		
		Work	School	Home
6 - 9 a.m.	7,300	17.3%	16%	6%
24 hours	42,200	14%	3%	50%

### MODE OF TRAVEL

**Trips Made by Residents of Ward 1**

Time Period	Trips	Mode of Travel				
		Auto Driver	Auto Passng.	Local Transit	GO Train	Walk & Cycle
6 - 9 a.m.	10,300	76%	12%	*	2%	5%
24 hours	52,000	79%	14%	1%	1%	2%

Median Trip Length: (kilometres)  
4.8 4 5.5 50.4

**Trips Made to Ward 1**

Time Period	Trips	Mode of Travel				
		Auto Driver	Auto Passng.	Local Transit	GO Train	Walk & Cycle
6 - 9 a.m.	7,300	75%	14%	2%	*	6%
24 hours	42,200	77%	16%	1%	1%	3%

\* is used to denote categories that have less than four observations or survey records

## DEMOGRAPHIC CHARACTERISTICS

**TOTAL NUMBER OF HOUSEHOLDS:** 12,400

Dwelling Type	House	Townhouse	Apartment
	40%	8%	52%

Household Size (persons)	1	2	3	4	5+
	39%	36%	12%	10%	4%

No. of Available Vehicles	0	1	2	3	4+
	13%	50%	31%	5%	1%

Household Averages	Persons	Workers	Drivers	Vehicles	Trips/Day
	2.1	1.0	1.5	1.3	4.8

**TOTAL POPULATION:** 25,700

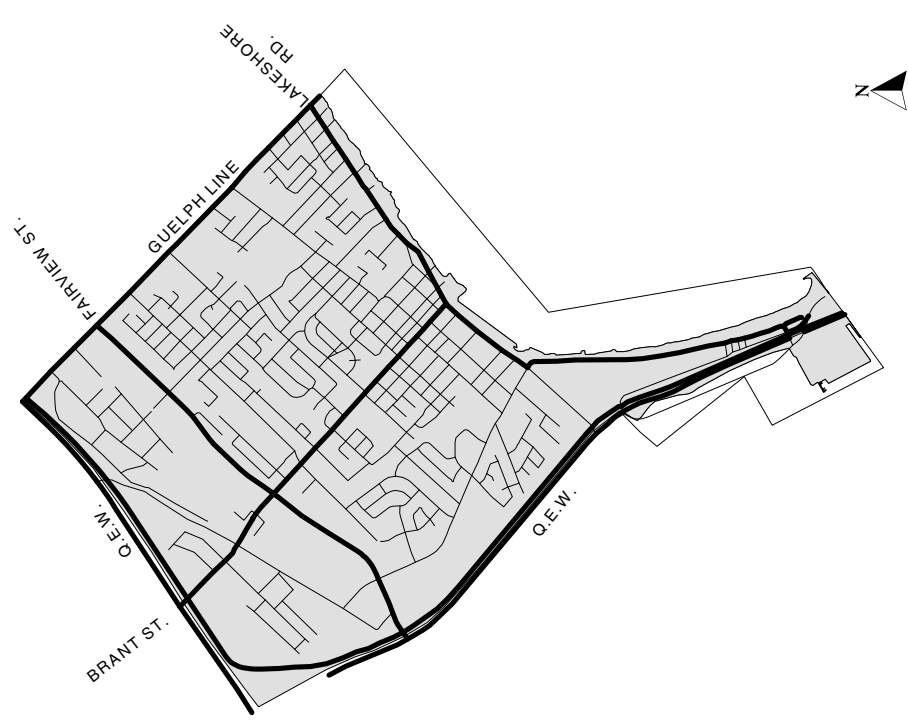
Male	Population 12,100	Transit Pass 5%	Licenced Drivers 76%	Student 16%	Employment Status			
					Full time 48%	Part time 4%	Work at Home F/T 3%	Work at Home P/T 1%
Female	13,600	6%	70%	18%	31%	11%	1%	1%

On survey day: Made work trip 87% 43% 32% \*

Occupation Type	Clerical	Manufacturing	Professional	Sales & Service
	11%	16%	49%	24%

Age	0-10	11-15	16-25	26-45	46-64	65+
Median	41.4	11%	5%	9%	30%	21%
		11%	5%	9%	30%	21%

Daily trips/Person (age 11+): 2.6



## TRAVEL PATTERNS

### TRIP PURPOSE

#### Trips Made by Residents of Ward 2

Time Period	Trips	Trip Purpose Category			
		HB-W	HB-S	HB-D	N-HB
6 - 9 a.m.	11,300	58%	17%	18%	8%
24 hours	59,800	30%	7%	45%	18%

Percentage of trips made within district: 6-9 a.m. = 22% 24 hours = 27%

#### Trips Made to Ward 2

Time Period	Trips	Destination Purpose			
		Work	School	Home	Other
6 - 9 a.m.	11,300	59%	15%	3%	23%
24 hours	75,000	15%	2%	33%	50%

### MODE OF TRAVEL

#### Trips Made by Residents of Ward 2

Time Period	Trips	Mode of Travel				
		Auto Driver	Auto Passng.	Local Transit	GO Train & Cycle	Walk & Cycle
6 - 9 a.m.	11,300	71%	10%	2%	5%	9%
24 hours	59,800	74%	15%	2%	2%	5%

Median Trip Length: (kilometres) 3.9 2.5 2.9 48.7

#### Trips Made to Ward 2

Time Period	Trips	Mode of Travel				
		Auto Driver	Auto Passng.	Local Transit	GO Train & Cycle	Walk & Cycle
6 - 9 a.m.	11,300	79%	9%	3%	*	8%
24 hours	75,000	75%	16%	2%	1%	4%

\* is used to denote categories that have less than four observations or survey records





## DEMOGRAPHIC CHARACTERISTICS

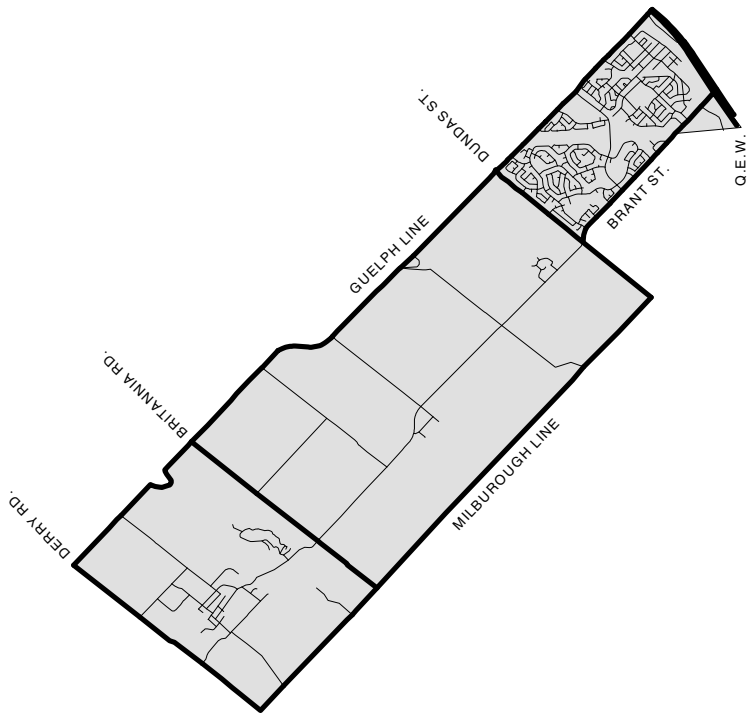
<b>TOTAL NUMBER OF HOUSEHOLDS:</b>		7,800			
Dwelling Type	House	Townhouse	Apartment		
	78%	16%	5%		
Household Size (persons)	1	2	3	4	5+
	11%	36%	20%	22%	11%
No. of Available Vehicles	0	1	2	3	4+
	2%	29%	54%	11%	4%
Household Averages	Persons	Workers	Drivers	Vehicles	Trips/Day
	2.9	1.6	2.1	1.9	7.2

<b>TOTAL POPULATION:</b>		22,700				
Male	Population	Licenced Drivers	Student	Employment Status		
	11,400	72%	26%	Full time	Part time	Work at Home
Female	11,300	71%	23%	48%	6%	3%
	On survey day: Made work trip			87%	50%	37%
Occupation Type	Clerical	Manufacturing	Professional	Sales & Service		
	11%	16%	44%	28%		
Age	Median	0-10	11-15	16-25	26-45	46-64
	38.3	13%	9%	11%	31%	24%
Daily trips/Person (age 11+):		2.9		65+	12%	

## TRAVEL PATTERNS

<b>TRIP PURPOSE</b>		<b>Trips Made by Residents of Ward 3</b>				
Time Period	Trips	% of 24 hr.	Trip Purpose Category			
6 - 9 a.m.	12,400	21.9%	HB-W	HB-S	HB-D	N-HB
24 hours	56,500	29%	48%	24%	18%	10%
Percentage of trips made within district: 6-9 a.m. = 28%		24 hours = 20%		29%	12%	42%
<b>Trips Made to Ward 3</b>		8,500		7%	23%	
Time Period	Trips	% of 24 hr.	Destination Purpose	Work	School	Home
6 - 9 a.m.	8,500	18.6%	32%	38%	7%	23%
24 hours	45,600	9%	7%	51%	33%	

<b>MODE OF TRAVEL</b>		<b>Trips Made by Residents of Ward 3</b>					
Time Period	Trips	Auto Driver	Auto Passng.	Local Transit	GO Train	Walk & Cycle	Other
6 - 9 a.m.	12,400	67%	17%	2%	3%	7%	3%
24 hours	56,500	71%	19%	1%	2%	5%	2%
Median Trip Length: (kilometres)		4.6		2.6		48.4	
<b>Trips Made to Ward 3</b>		8,500		2%		6%	
Time Period	Trips	Auto Driver	Auto Passng.	Local Transit	GO Train	Walk & Cycle	Other
6 - 9 a.m.	8,500	59%	20%	2%	1%	13%	6%
24 hours	45,600	70%	19%	1%	1%	6%	2%



\* is used to denote categories that have less than four observations or survey records



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## DEMOGRAPHIC CHARACTERISTICS

<b>TOTAL NUMBER OF HOUSEHOLDS:</b>		9,400			
Dwelling Type	House	Townhouse	Apartment		
	70%	13%	17%		
Household Size (persons)	1	2	3	4	5+
	20%	40%	15%	17%	8%
No. of Available Vehicles	0	1	2	3	4+
	6%	38%	44%	10%	3%
Household Averages	Persons	Workers	Drivers	Vehicles	Trips/Day
	2.6	1.3	1.8	1.7	6.4

<b>TOTAL POPULATION:</b>		24,300					
Male	Population	Licenced Drivers	Transit Pass	Student	Full time	Part time	Work at Home P/T
	11,600	78%	5%	22%	49%	5%	3%
Female	Population	Licenced Drivers	Transit Pass	Student	Full time	Part time	Work at Home P/T
	12,600	66%	4%	23%	29%	14%	2%
On survey day: Made work trip		85%	53%	40%			
Occupation Type	Clerical	Manufacturing	Professional	Sales & Service			
	11%	18%	48%	23%			
Age	Median	0-10	11-15	16-25	26-45	46-64	65+
	40.6	12%	6%	11%	27%	26%	18%
Daily trips/Person (age 11+):		2.8					

## TRAVEL PATTERNS

<b>TRIP PURPOSE</b>		<b>Trips Made by Residents of Ward 4</b>				
Time Period	Trips	% of 24 hr.	Trip Purpose Category			
6 - 9 a.m.	12,200	20.2%	HB-W	HB-S	HB-D	N-HB
			54%	20%	20%	6%
24 hours	60,400	29%	9%	47%	15%	
Percentage of trips made within district: 6-9 a.m. =		21%	24 hours =	23%		
<b>Trips Made to Ward 4</b>		<b>Destination Purpose</b>				
Time Period	Trips	% of 24 hr.	Work	School	Home	Other
6 - 9 a.m.	16,100	21.6%	59%	19%	4%	19%
24 hours	74,500	18%	4%	34%	43%	

<b>MODE OF TRAVEL</b>		<b>Trips Made by Residents of Ward 4</b>					
Time Period	Trips	Auto Driver	Auto Passng.	Local Transit	GO Train	Walk & Cycle	Other
6 - 9 a.m.	12,200	68%	14%	2%	5%	8%	2%
24 hours	60,400	73%	17%	1%	3%	5%	1%
Median Trip Length: (kilometres)		3.5	2.8	3.2	45.1		
<b>Trips Made to Ward 4</b>		<b>Mode of Travel</b>					
Time Period	Trips	Auto Driver	Auto Passng.	Local Transit	GO Train	Walk & Cycle	Other
6 - 9 a.m.	16,100	71%	15%	2%	*	6%	5%
24 hours	74,500	75%	17%	1%	1%	4%	2%

\* is used to denote categories that have less than four observations or survey records



## DEMOGRAPHIC CHARACTERISTICS

**TOTAL NUMBER OF HOUSEHOLDS:** 9,300

Dwelling Type    House 72%    Townhouse 7%    Apartment 21%

Household Size (persons)    1 18%    2 42%    3 15%    4 8%    5+ 8%

No. of Available Vehicles    0 6%    1 35%    2 48%    3 4%    4+ 2%

Household Averages    Persons 2.6    Workers 1.3    Drivers 1.9    Vehicles 1.7    Trips/Day 6.2

**TOTAL POPULATION:** 23,900

Male 11,300    Female 12,700    On survey day: Made work trip

Transit Pass 4%    Licenced Drivers 75%    Student 20%    Full time 45%    Part time 7%    Work at Home P/T \*

Occupation Type    Clerical 12%    Manufacturing 18%    Professional 50%    Sales & Service 20%

Age    Median 42.5    0-10 13%    11-15 6%    16-25 9%    26-45 27%    46-64 24%    65+ 21%

Daily trips/Person (age 11+): 2.8

## TRAVEL PATTERNS

### TRIP PURPOSE

**Trips Made by Residents of Ward 5**

Time Period	Trips	Trip Purpose Category			
		HB-W	HB-S	HB-D	N-HB
6 - 9 a.m.	12,000	20.7%	17%	23%	11%
24 hours	58,000	28%	8%	47%	17%

Percentage of trips made within district: 6-9 a.m. = 23%    24 hours = 22%

**Trips Made to Ward 5**

Time Period	Trips	Destination Purpose		
		Work	School	Home
6 - 9 a.m.	9,000	19.5%	29%	6%
24 hours	46,100	12%	6%	52%

### MODE OF TRAVEL

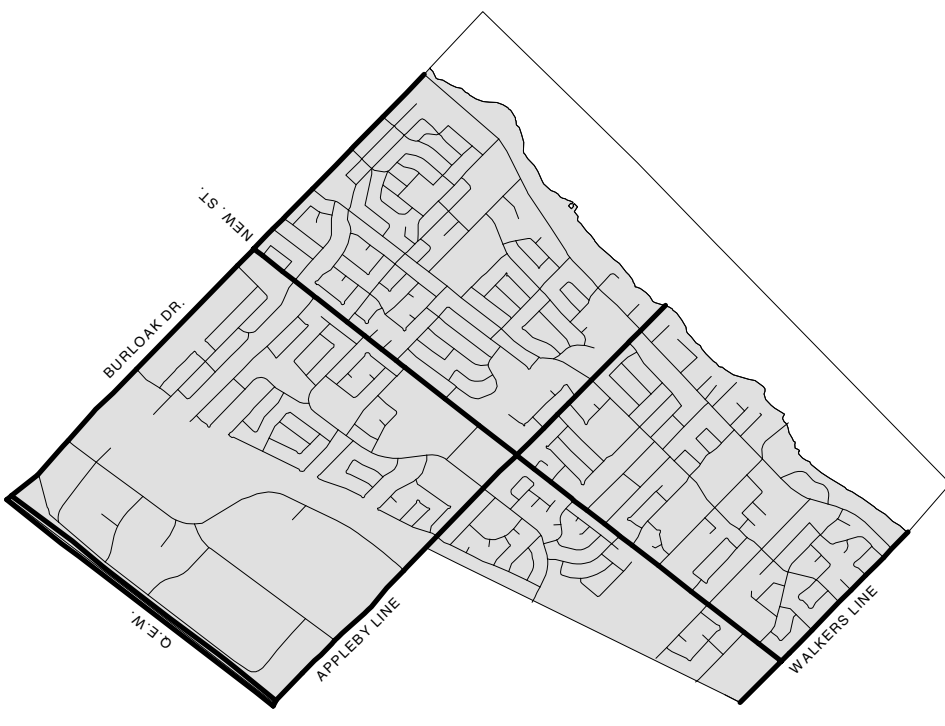
**Trips Made by Residents of Ward 5**

Time Period	Trips	Mode of Travel				
		Auto Driver	Auto Passng.	Local Transit	GO Train	Walk & Cycle
6 - 9 a.m.	12,000	73%	13%	1%	4%	6%
24 hours	58,000	76%	15%	2%	2%	3%

Median Trip Length: (kilometres)    5    3.8    4.7    42.6

**Trips Made to Ward 5**

Time Period	Trips	Mode of Travel				
		Auto Driver	Auto Passng.	Local Transit	GO Train	Walk & Cycle
6 - 9 a.m.	9,000	65%	16%	1%	1%	11%
24 hours	46,100	74%	16%	1%	1%	5%



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## DEMOGRAPHIC CHARACTERISTICS

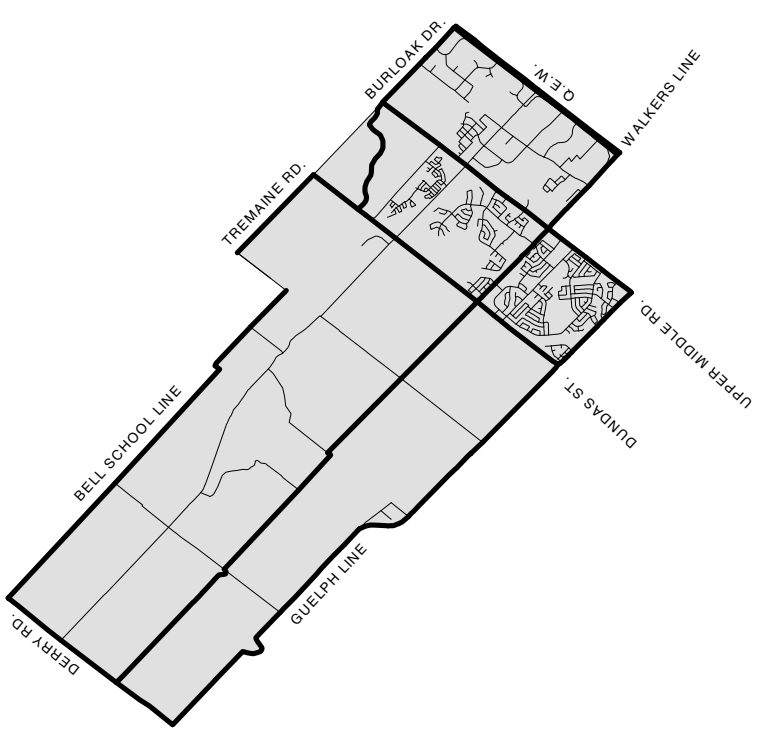
<b>TOTAL NUMBER OF HOUSEHOLDS:</b>	10,100	
Dwelling Type	House	79%
	Townhouse	16%
Household Size (persons)	1	8%
	2	29%
No. of Available Vehicles	0	1%
	1	24%
Household Averages	Persons	3.1
	Workers	1.7
Trips/Day	Drivers	2.1
	Vehicles	1.9
Trips/Day	Home	7.0
	Other	3%

<b>TOTAL POPULATION:</b>	31,300	
Male	Population	15,400
	Transit Pass	4%
Female	Licenced Drivers	65%
	Student	27%
Employment Status	Full time	49%
	Part time	4%
On survey day: Made work trip	Work at Home F/T	3%
	Work at Home P/T	1%
Occupation Type	Clerical	11%
	Manufacturing	14%
Age	Professional	54%
	Sales & Service	21%
Daily trips/Person (age 11+):	0-10	20%
	11-15	10%
Sales & Service	16-25	9%
	26-45	38%
Sales & Service	46-64	19%
	65+	5%

## TRAVEL PATTERNS

<b>TRIP PURPOSE</b>	<b>Trips Made by Residents of Ward 6</b>	
Time Period	Trips	17,200
	% of 24 hr.	24.2%
24 hours	HB-W	48%
	HB-S	22%
Percentage of trips made within district: 6-9 a.m. =	HB-D	20%
	N-HB	10%
Trips Made to Ward 6	Work	60%
	School	17%
24 hours	Home	5%
	Other	18%

<b>MODE OF TRAVEL</b>	<b>Trips Made by Residents of Ward 6</b>	
Time Period	Trips	17,200
	Auto Driver	68%
24 hours	Auto Passng.	12%
	Local Transit	1%
Median Trip Length: (kilometres)	GO Train	5%
	Walk & Cycle	9%
Trips Made to Ward 6	Auto Driver	74%
	Auto Passng.	15%
24 hours	Local Transit	1%
	GO Train	2%
Percentage of trips made within district: 6-9 a.m. =	Walk & Cycle	8%
	Other	2%



\* is used to denote categories that have less than four observations or survey records

