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DATE: November 20, 2002

SUBJECT: **2001 TRANSPORTATION TOMORROW SURVEY**

FROM: Nick Tunnacliffe, Commissioner of Planning

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## **OBJECTIVE**

The purpose of this report is to inform Regional Council of the results of 2001 Transportation Tomorrow Survey (TTS). The TTS is the most important source of weekday passenger travel information for Peel Region, the GTA, and the immediately surrounding area.

### **REPORT HIGHLIGHTS**

- 2001 Transportation Tomorrow Survey is a comprehensive travel survey undertaken by the Region of Peel, Province of Ontario, 15 other municipalities in Southern Ontario, GO Transit and TTC.
- The survey was conducted by the Data Management Group at the University of Toronto and was funded by all the participating agencies including the Region of Peel.
- The purpose of the survey was to collect information on travel choices and preferences of residents in the area and to provide data base for long range transportation and land use planning.
- Summary of Survey Travel Facts for Peel and GTA is attached (Appendix I).
- Peel residents made just over 2 millions trips/day in 2001, a 32% increase over 1991.
- The automobile accounts for 85% of all trips made in Peel.
- Transit share excluding GO Rail of morning peak period trips in Peel remained unchanged at 6% between 1991 and 2001; transit share in GTA declined slightly during the same period.
- Peel residents made 103,300 trips/day by GO Rail in 2001, a 45% increase over the last 10 years.

## **DISCUSSION**

### **1. Background**

The 2001 Transportation Tomorrow Survey is the fourth in a series of area-wide travel surveys conducted in GTA and surrounding regions. The previous surveys were conducted in 1986, 1991 and 1996. The Region of Peel was a co-sponsor and participant in all four surveys.

The main purpose of the survey was to collect information on the travel choices and preferences of the residents in the area and to continue to provide updated travel database for long range transportation and land use planning, recalibration of travel demand forecasting models, including Peel Region's Model, and for monitoring the changes in travel

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behavior that impact transportation infrastructure needs. The TTS database is also used by the area municipalities for transportation studies and traffic impact studies.

While the data currently available from the TTS is “preliminary” at this time, the final adjustments that will be made using Census household data are expected to be minor.

### 2. The 2001 TTS

The 2001 TTS Survey was undertaken on behalf of the participating agencies and was directed by the Transportation Planning Information Steering Committee (TISC), which comprised of senior members from MTO, Regions of Peel, Halton, York and Durham, Cities of Toronto and Hamilton, TTC and GO Transit. Under the general guidance of TISC, a staff committee from all participating agencies was formed to provide technical direction and co-ordination for the survey.

The survey area included Regional Municipalities of Peel, York, Durham, Halton and Niagara, Cities of Toronto, Hamilton, Kawartha Lakes, Barrie, Orillia, Guelph, the Town of Orangeville, Counties of Peterborough, Simcoe and Wellington.

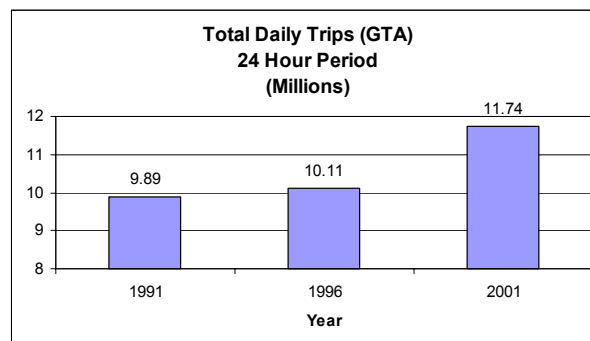
The survey consisted of telephone interviews of a randomly selected sample of households in the GTA and the surrounding areas. The survey questions focused on travel on the previous weekday by all members in the household and the trip data was collected for persons 11 years of age or older. In the current survey, 136,424 households were successfully interviewed, which includes 17,624 households in Peel. The overall household sampling rate is about 5.5% which is large enough to give reliable information for origin-destination surveys of this type.

The information collected in the survey included trip information as well as factors contributing to the travel growth. Trip information includes daily and peak period trips; trips by purpose such as work and school; origin and destination; mode of travel, i.e. auto driver, auto passenger, transit, walking, etc. Demographic information such as population, age, sex and number of households were collected. The information such as vehicles per household and number of licensed drivers was also collected. The comprehensiveness and reliability of this information combined with the fact that similar information is also available for 1986, 1991 and 1996 makes the data an excellent resource in understanding travel trends, planning for future and making investment decisions.

### 3. Travel Characteristics in GTA

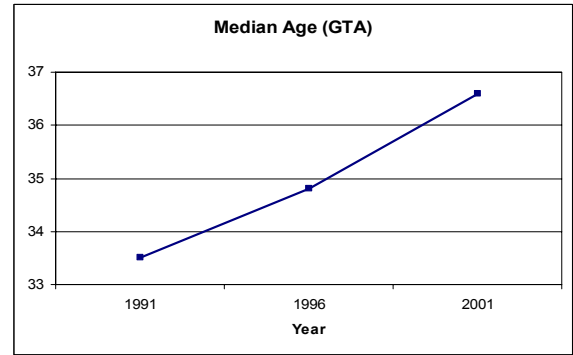
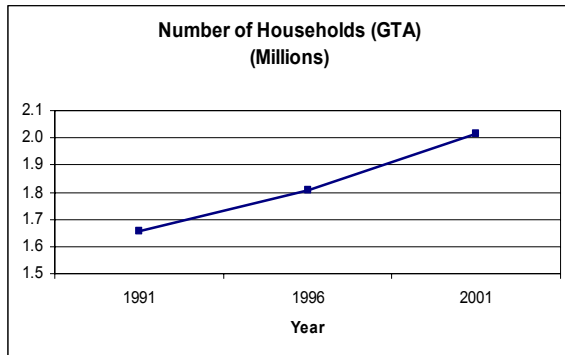
#### (a) Total Trips

The daily trips per day in GTA are almost 12 million; this is a 19% increase over 1991.



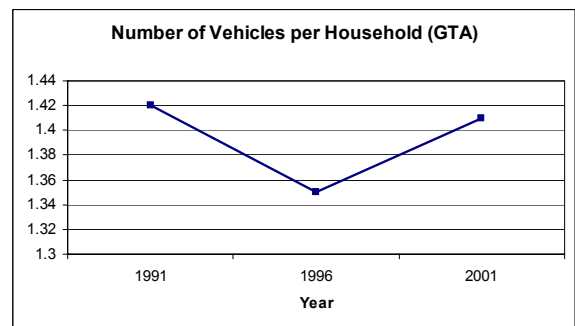
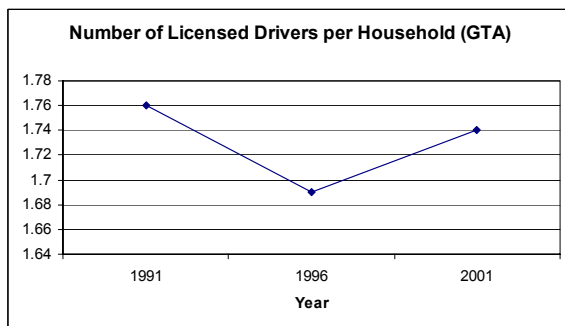
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**(b) Households and Vehicles**



Between 1991 and 2001, the number of households in the GTA grew by 360,000 or 21.7%.

The population in the GTA is aging. During the last 10 years, the median age went up by 3 years.

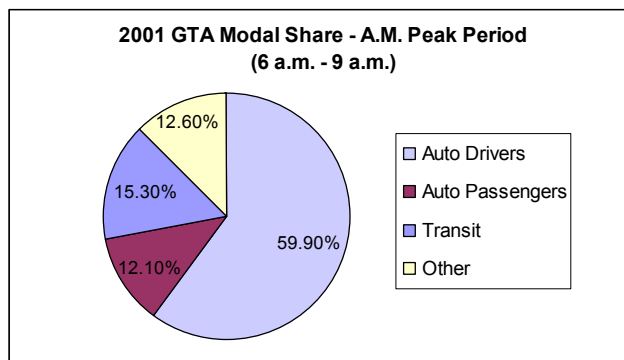


After a decline between 1991 and 1996, the number of licensed drivers per household has grown in 2001.

The number of vehicles per household is showing a similar trend.

**(c) Modal Share**

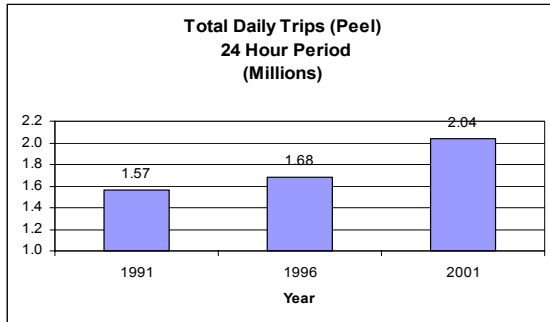
The automobile continues to be the dominant mode in GTA. The transit modal share is greatest during the peak period; however it has decreased by 1.7% in the last 10 years.



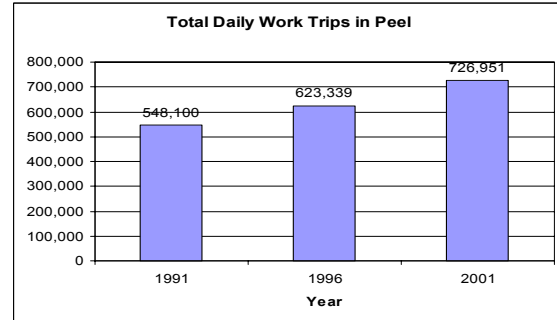
**2001 TRANSPORTATION TOMORROW SURVEY**

**4. Travel Characteristics in Peel**

**(a) Total and Work Trips**

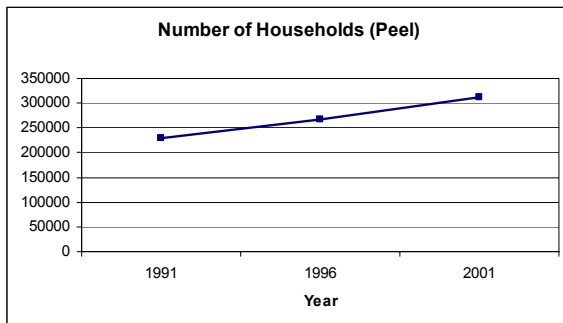


The total number of daily trips in Peel has increased by 32% during last 10 years

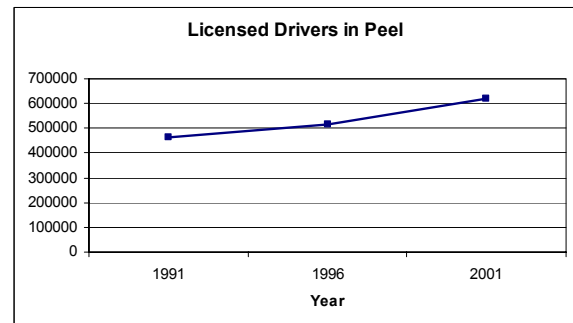


The work trips increased by 32% during last 10 years

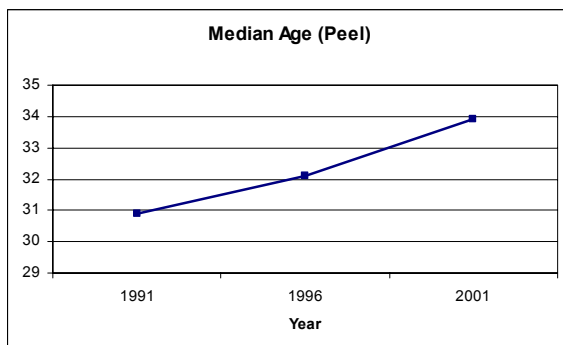
**(b) Households and Vehicles**



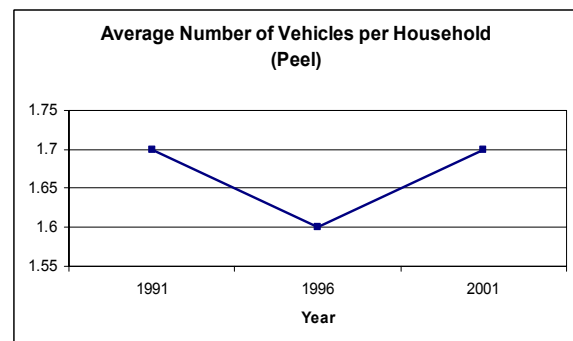
Between 1991 and 2001, the number of households in Peel grew by 83,000 or 36%



The number of licensed drivers in Peel grew by 34% over the last 10 years.



The population in Peel is aging similar to that in the GTA. During the last 10 years the median age went up by 3 years.

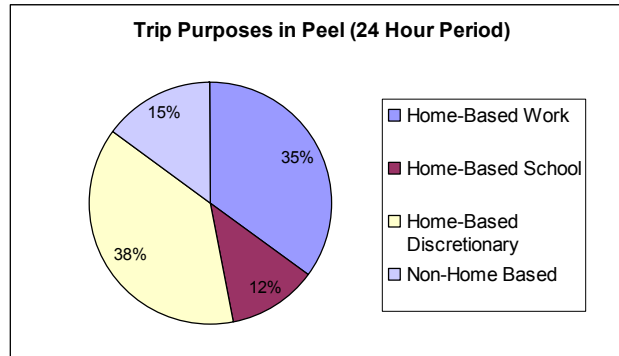


After a decline in 1996, the number of vehicles per household increased back to 1.7 in 2001.

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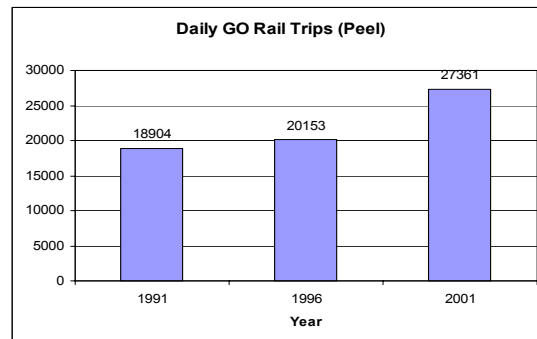
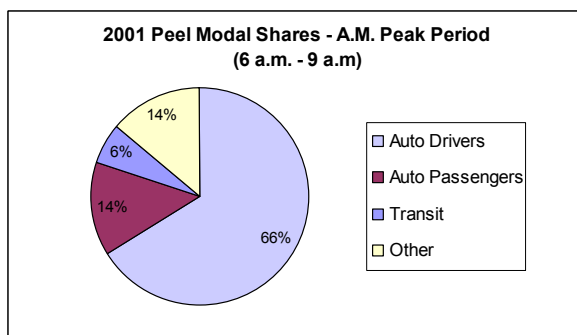
### (c) Trip Purpose

Work and discretionary trips have the largest share together representing 73% of all trips in Peel.



### (d) Modal Share

The automobile is the predominant mode of travel in Peel with highest modal share. The local transit modal share has remained relatively constant at 6% between 1991 and 2001. GO rail trips account for 2% of peak period trips, but have increased by 45% between 1991 and 2001.



## 5. Region of Peel Official Plan Policies

The Regional official plan policies aim at promoting balanced transportation system in Peel and increasing transit share. From the TTS Survey, it is evident that automobile continues to remain dominant travel mode in Peel and GTA. The transit share has remained stable in Peel whereas it has declined in GTA as a whole. The auto passenger share is significant in Peel (14% during peak period versus 6% transit share).

## CONCLUSION

The 2001 Transportation Tomorrow Survey, together with earlier surveys conducted in 1986, 1991 and 1996 provides valuable insights into travel trends and patterns in Peel and, indeed much of Southern Ontario. Peel Region and area municipalities are using this data on a day to day basis for transportation and land use planning and in making effective decisions on new infrastructure and services.

**2001 TRANSPORTATION TOMORROW SURVEY**

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**Approved for Submission:**

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c. Legislative Services

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**APPENDIX I**

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**2001 TRANSPORTATION TOMORROW SURVEY****Survey Travel Facts – Peel Region**

	<b>1991</b>	<b>1996</b>	<b>2001</b>
Households	229,500	266,500	312,345
Population	710,000	812,500	964,675
Median Age	31.2	32.1	33.9
Licensed Drivers	461,797	514,291	620,594
Persons per Household	3.1	3	3.1
Drivers per Household	2.0	1.9	2.0
Vehicles per Household	1.7	1.6	1.7
Households W/O Vehicles (%)	5.0%	7.0%	6.0%
<b>All Trips</b>			
Total Daily Trips by Persons 11 and older	1,566,000	1,684,700	2,071,092
Trips per Household	6.80	6.30	6.63
Trips per Person (>=11)	2.60	2.50	2.60
Mode Share (%)			
Auto Drivers	68%	69%	69%
Auto Passengers	16%	16%	16%
Public Transit	7%	7%	6%
All Other	9%	8%	8%
<b>Work Trips</b>			
Total Work Trips	548,100	623,339	726,951
Trips per Household	2.39	2.34	2.33
Trips per Employed Person	1.40	1.46	1.37
Mode Share (%)			
Auto Drivers	77.8%	77.8%	77.2%
Auto Passengers	10.2%	10.7%	10.5%
Public Transit	9.9%	9.3%	10.2%
All Other	2.2%	2.2%	2.1%

**2001 TRANSPORTATION TOMORROW SURVEY****Survey Travel Facts - GTA**

	<b>1991</b>	<b>1996</b>	<b>2001</b>
Households	1,656,000	1,805,000	2,016,000
Population	4,567,000	4,296,500	5,491,000
Median Age	33.5	34.8	36.6
Licensed Drivers	2,908,000	3,047,000	3,508,000
Persons per Household	2.76	2.73	2.72
Drivers per Household	1.76	1.69	1.74
Vehicles per Household	1.42	1.35	1.41
Households W/O Vehicles (%)	14.1%	16.9%	15.7%
<b>All Trips</b>			
Total Daily Trips by Persons 11 and older	9,893,000	10,106,000	11,738,000
Trips per Household	5.97	5.60	5.82
Trips per Person (>=11)	2.54	2.42	2.5
Mode Share (%)			
Auto Drivers	62.4%	62.2%	63.6%
Auto Passengers	14.9%	15.7%	15.5%
Public Transit	13.9%	13.3%	12.4%
All Other	8.9%	8.8%	8.5%
<b>Work Trips</b>			
Total Work Trips	1,881,000	1,930,500	2,216,000
Trips per Household	1.14	1.07	1.1
Trips per Employed Person	0.79	0.8	0.79
Mode Share (%)			
Auto Drivers	68.0%	68.6%	68.7%
Auto Passengers	8.2%	9.1%	8.4%
Public Transit	19.1%	17.7%	18.2%
All Other	4.7%	4.7%	4.8%