Region of Peel – Transportation for Today and Tomorrow

greener, healthier, safer, faster
Presentation Overview

1. Growth Management
2. LRTP Overview
   1. Sustainable Transportation Strategy (STS)
   2. Goods Movement Strategic Plan (GMSP)
   3. Transportation Safety Strategy & Operational Plan (TSSOP)
10 Top Of Mind Issues In Peel Region

1. Traffic Congestion
2. Managing the Region’s Growth
3. Opportunities to Both Live and Work in Peel
4. Link Transportation and Access Networks
5. Attracting and Retaining Businesses
6. Health Programs That Cover Our Life Span From Infancy to old Age
7. Employment and Entrepreneurship
8. Active Lifestyles and Habits
9. Mental Health and Its Impacts
10. Community Safety and Crime Prevention
Transportation Trends at a Glance

<table>
<thead>
<tr>
<th>Year</th>
<th>Population in GTA (100,000s)</th>
<th>Average Commute Time</th>
<th>Traffic Congestion Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015</td>
<td>Peel 1.39 Million, GTHA 7 Million</td>
<td>82 min</td>
<td>-$6B</td>
</tr>
<tr>
<td>2031</td>
<td>Peel 1.77 Million, GTHA 9 Million</td>
<td>109 min</td>
<td>-$15B</td>
</tr>
<tr>
<td>2041</td>
<td>Peel 1.97 Million, GTHA 10 Million</td>
<td>122 min</td>
<td>-$20B</td>
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Growth Management
The New Approach

- Water Wastewater
- Long Range Transportation Plan
- Finance
LRTP - The Vision

Peel Region will have a sustainable, efficient, integrated, and safe transportation system that supports healthy communities, a vibrant economy, and viable mobility choices for people of all ages and abilities.
LRTP & Relationship with other Strategic Plans

- Sustainable Transportation Strategy (STS)
- Goods Movement Strategic Plan (GMSP)
- Transportation Safety Strategic & Operational Plan (TSSOP)
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Sustainable Transportation Strategy (STS)

Need for sustainable solutions

Peel Active and Sustainable Mode Share by Number of Trips (AM peak period)

Adding 303,000 trips by 2041

- 2011: 63% Driving, 37% Sustainable Mode
- Business as Usual (2041): 63% Driving, 37% Sustainable Mode
- 50% sustainable mode share target (2041): 50% Driving, 50% Sustainable Mode
The transportation design highlights the importance of compact, walkable streetscapes and “complete communities.”

Healthy urban design is also:

- Environmentally sustainable design
- Youth-friendly design
- Age-friendly design
- Transit-oriented design

The transportation design highlights the importance of compact, walkable streetscapes and “complete communities.”
Public Health Considerations

**Inactivity & Obesity**
- **$4 Billion/year**
  - Direct & indirect costs
- **12,500**
  - New cases of Diabetes/year

**Traffic Related Air Pollution**
- Causes **854 Premature Deaths**
  - 2006: 0.34 Million kg PM2.5/year
  - By 2031: 0.44 Million kg PM2.5/year
  - *PM2.5: small particulate matter

**Diabetes**
- **660,000 Cases/year**
  - $2.6 Billion excess medical costs
  - **By 2027**
- **1.2 Million Cases/year**
  - $4.5 Billion excess medical costs

Source: Improving Health by Design in the GTHA, May 2014
Preventive Power of Walking and Cycling

Walking
- Risk of death by 22% (29min/day * 7 days/week)
- Risk of diabetes by 30% (2.5 hours/week)

Cycling
- Risk of death by 28% (3 hours/week * 36 weeks/year)
Sustainable Transportation Strategy

Need for sustainable solutions

- 50+ recommendations and actions:
  - Pedestrian improvement areas
  - Regional cycling network
  - Fix-it list: Improvements made to existing AT facilities
  - Intersection Upgrades: Improvements made to intersections with AT facilities
LRTP & Relationship with other strategic plans

Long Range Transportation Plan (LRTP)

- Sustainable Transportation Strategy (STS)
- Goods Movement Strategic Plan (GMSP)
- Transportation Safety Strategic & Operational Plan (TSSOP)
Goods Movement Strategic Plan
Facilitating Goods movement

Approximately 2 of 5 businesses are involved in a goods movement sector
Peel Region has the highest share of goods movement establishments across all the municipalities

Toronto Pearson International Airport handles more air cargo than the Vancouver and Montreal airports combined
Goods Movement Strategic Plan
Facilitating Goods movement

$1.8 Billion of goods move through Peel everyday

There are 2,000 trucking companies in Peel

4 out of 9 jobs in Peel are in goods movement-dependent industries
# Goods Movement Strategic Plan

## Action Items

<table>
<thead>
<tr>
<th>Year</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Action Item</td>
<td>Off-Peak Delivery Pilot</td>
<td>E-commerce Strategy</td>
<td>Aggregates Plan</td>
<td>Goods Movement &amp; Logistics Planning Coordination</td>
<td>CAV Corridor Pilot</td>
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<td></td>
<td>Expand LCV Use</td>
<td>Fuel Efficiency Strategies</td>
<td>Local Freight Fluidity</td>
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<tr>
<td>Ongoing Action Items</td>
<td>Improve and Monitor Goods Movement Infrastructure</td>
<td>Review and Update SGMN</td>
<td>Implement Intelligent Traffic Systems Strategic Plan for Goods Movement</td>
<td>Continue the Peel Goods Movement Task Force and Coordinate Goods Movement Planning and Funding</td>
<td>Develop Truck-Friendly Lane Feasibility Study and Pilot Project</td>
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<td></td>
<td>Implement Smart Freight Centre</td>
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Goods Movement

One Action Item: Freight Village

- A Freight Village is an intermodal transfer point located near several modes: road, rail, water, and air
- Acts to consolidate freight transfer locations and promote economies of scale and value-add communal services through freight transfer clustering
- Example: Freight Village at Chicago, IL. Dozens of companies involved and seen as a success
LRTP & Relationship with other Strategic Plans

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TSSOP – Road Safety Plan

Vision Zero

Originated in Sweden in 1997 and passed into law at the federal level

Vision Zero: “No loss of life is acceptable”

VISION: Zero fatality and injury collisions for all road users.

GOAL: 10% reduction in fatal and injury collisions by 2022.
TSSOP – Road Safety Plan

Key themes

**Emphasis Areas**
- Intersections
- Aggressive Driving
- Distracted Driving
- Impaired Driving
- Pedestrians
- Cyclists

**Road Safety Strategic Plan**

**Awareness Areas**
- Trucks
- School-areas
TSSOP – Road Safety Plan
Implementation Measures

- Speed Cushions
- Actuated Advance Warning Beacons
- Red Light Camera
- Pavement Markings
- Radar Speed Trailer
Key Drivers

1. Network improvements are key to supporting expected growth in travel demand. However, we cannot build our way out of congestion.

2. An aggressive and consistent effort to encourage transit and implement Transportation Demand Management (TDM) initiatives can go a long way in meeting future needs.
Key Drivers

3. Congestion is the number 1 problem faced by the goods movement industry in Peel.

4. Effective integration of land use and transportation is key in order to manage transportation demand.

5. Partnerships are key in delivering Peel’s Long Range Transportation Plan.
Thank You! 😊