



# City of Pitt Meadows Transportation Master Plan

Council in Committee #1

June 25, 2013

City of Pitt Meadows



**URBAN**  
systems



# Agenda

1. Project Overview
2. Study Context
3. Road Network
4. Transit Network
5. Your Future Vision



# Project Overview

## What will be in the Transportation Master Plan?

- A long-term transportation vision
- Goals and objectives that support the vision
- Plans for each transportation mode
- Short, medium, and long-term priorities
- Implementation strategy

# Project Overview





# Project Overview

## Communications & Consultation





# Project Overview

## Open House #1 - Pitt Meadows Day



# Project Overview

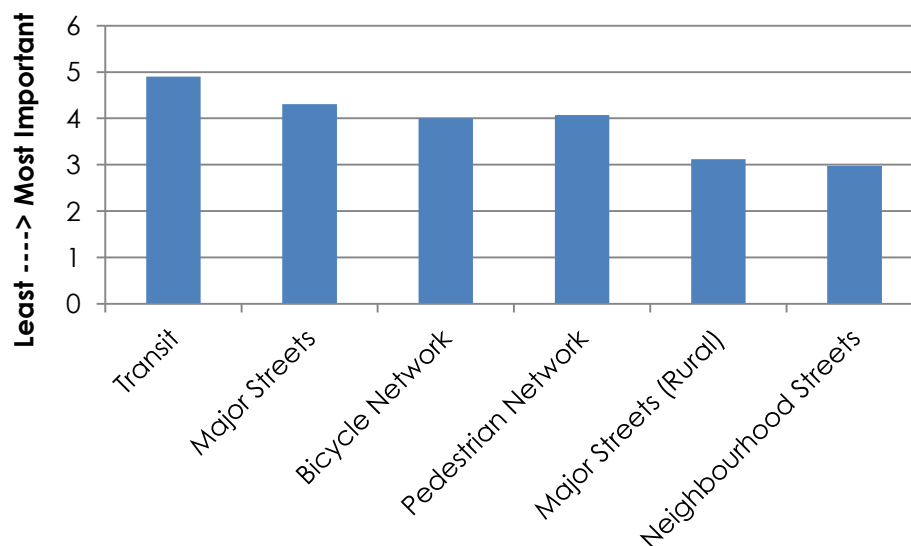
## Website & Social Media



# Project Overview

## Website & Social Media

- What are the highest priorities?
- What needs most improvement?
- What are the top issues and challenges?
- 75 responses



City of Pitt Meadows  
The Natural Place

City of Pitt Meadows  
Transportation Master Plan

### Community Survey

Thank you for your interest in the City of Pitt Meadows Transportation Master Plan! The Transportation Master Plan will guide the development of the City's street, transit, walking, and cycling networks over the next 20 years and beyond. Having received much feedback on walking and cycling networks during the 2012 Pedestrian and Cycling Master Plan, the primary focus of this survey is to gain your input on transportation issues and opportunities related to the City's road and transit networks. This survey should take about 10 minutes to complete, and we would appreciate if you could take the time to give us your comments. Please complete this survey by Monday, June 18, 2013. You can submit the survey in one of the following ways:

- Complete the survey online at: [www.pittmeadows.ca/transportationmasterplan](http://www.pittmeadows.ca/transportationmasterplan)
- Drop off or mail completed survey to:  
The Mayor  
City of Pitt Meadows  
13207 Frank Road, Pitt Meadows, BC V3Y 2H5
- E-mail completed survey to: [planning@pittmeadows.ca](mailto:planning@pittmeadows.ca)

April 2, Launching Process

1. What aspects of the City's transportation system are most important to you? Please rank the top 3 in the Transportation Master Plan? (Rank these items from 1 to 3)

	Most Important	1	2	3	4	5	6	7	8	9	10	Least Important
Public Transit	1	2	3	4	5	6	7	8	9	10		
Major Streets	1	2	3	4	5	6	7	8	9	10		
Transit System	1	2	3	4	5	6	7	8	9	10		
Major Streets (Urban Areas)	1	2	3	4	5	6	7	8	9	10		
Major Streets (Rural Areas)	1	2	3	4	5	6	7	8	9	10		
Neighbourhood Streets	1	2	3	4	5	6	7	8	9	10		

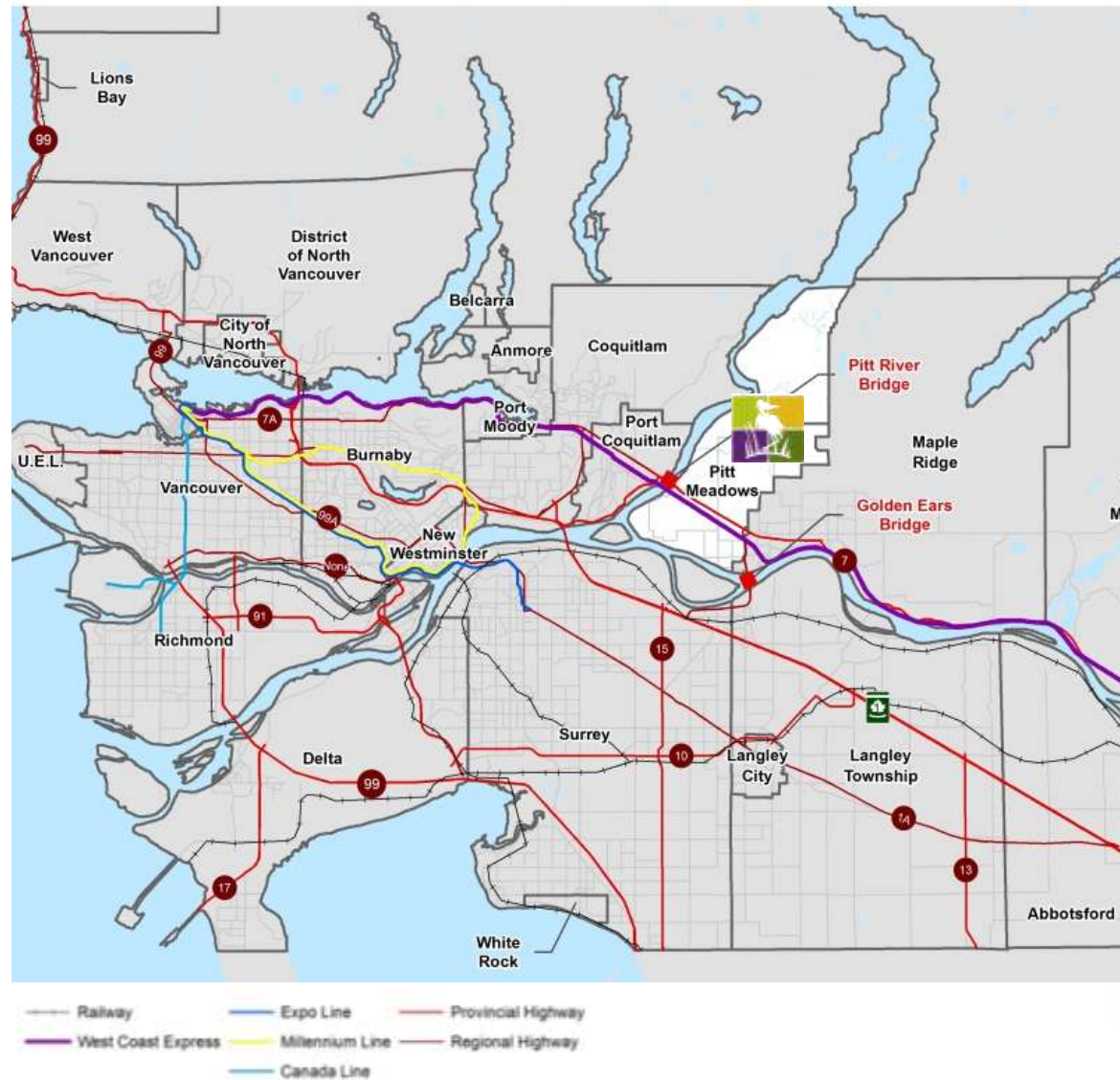
2. What transportation facilities need the most improvement in the Transportation Master Plan? (Rank these items from 1 to 10)

	Needs the most improvement	1	2	3	4	5	6	7	8	9	10	Needs the least improvement
Public Transit	1	2	3	4	5	6	7	8	9	10		
Major Streets	1	2	3	4	5	6	7	8	9	10		
Transit System	1	2	3	4	5	6	7	8	9	10		
Major Streets (Urban Areas)	1	2	3	4	5	6	7	8	9	10		
Major Streets (Rural Areas)	1	2	3	4	5	6	7	8	9	10		
Neighbourhood Streets	1	2	3	4	5	6	7	8	9	10		





# Regional Study Context



# Regional Study Context

## Regional Policies and Plans



## Road & Rail - Infrastructure and Traffic







# Local Study Context



Policies support addressing congestion, volumes and speeds; better transit; increased walking and cycling options



Goals emphasize a multi-modal transport system, with balanced mobility demands.



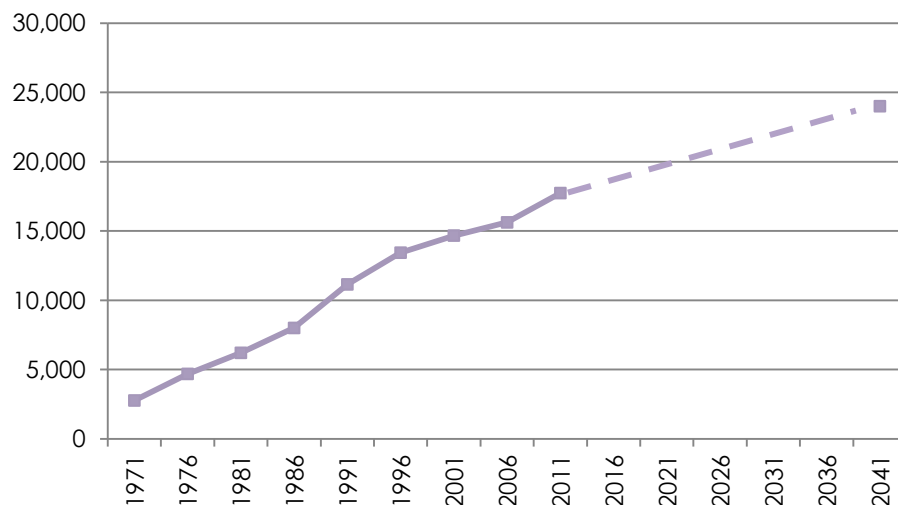
Majority of GHG emissions reductions through initiatives in the transportation sector. Transit, walking, cycling, play a key role.



Strategies and actions for the network, safety, accessibility and design, and education and encouragement

# Local Study Context

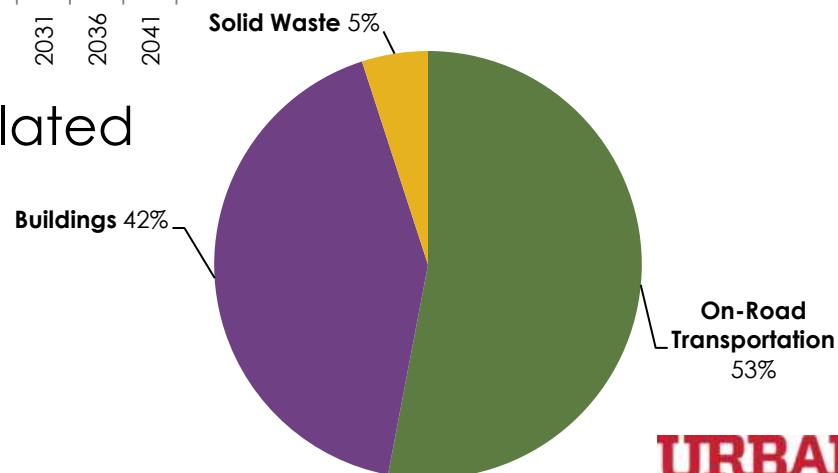
- Growing population in Pitt Meadows and externally



- Commercial, industrial development



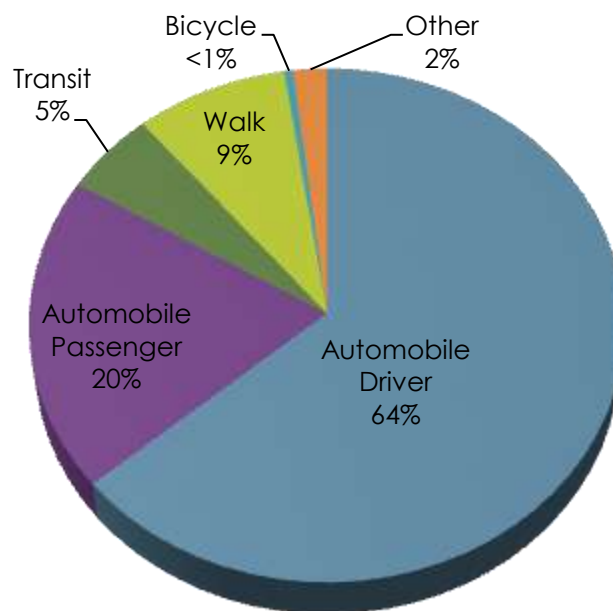
- Growing transportation-related emissions





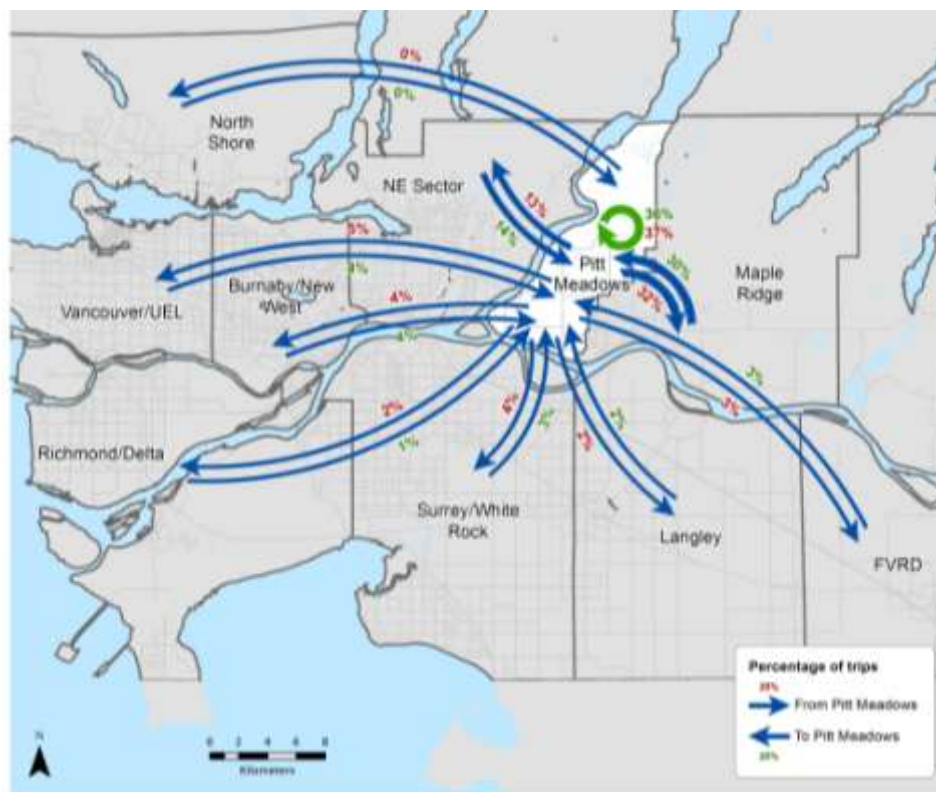
# Local Study Context

- 84% of daily trips in Pitt Meadows are made by vehicle.
- 5% of daily trips are by transit, 10% are by walking and cycling



# Local Study Context

- Over a third of all trips stay within in Pitt Meadows; two-thirds of trips stay within Pitt Meadows/Maple Ridge
- Most additional trips are to/from the North East Sector



Source: 2011 Regional Trip Diary Survey

# Road Network





# Road Network **What We Heard**

## Issues

- Traffic congestion on Harris Road, Lougheed Hwy, Old Dewdney Trunk
- Traffic flow on Lougheed Highway, north-south
- Delays caused by rail traffic
- Safety concerns at rail crossings
- Safety and speeding on major and neighbourhood roads
- Roundabouts and traffic circles
  - Many like traffic circles and traffic flow benefits
  - Driver behaviour concerns
  - Dangerous for both motorists and pedestrians
- Harris Road traffic speeds and safety concerns





# Road Network **What We Heard**

## Opportunities

- Rail crossing – overpass or underpass
- Roundabout education
- Intersection improvements
  - Harris Road @ Lougheed and 122nd Street
  - Hammond Rd @ Bonson Rd
- Traffic calming on neighbourhood streets (Park Road, Bonson Road, 122<sup>nd</sup> Street)
- Attractive alternatives to driving, such as transit, walking, & cycling

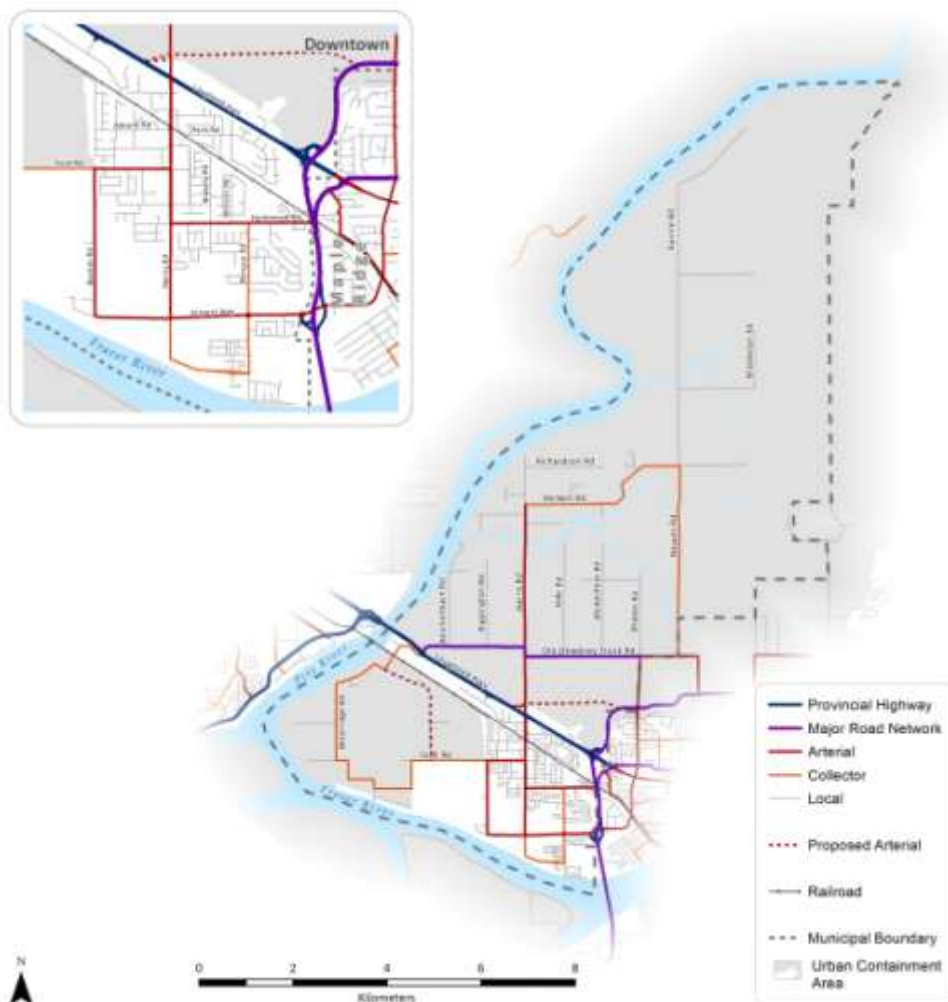


# Road Network **Travel Patterns**

- Average driving trip starting in Pitt Meadows is **10km in length**
- Most daily driving trips in Pitt Meadows are made to go to **work or home, drop-offs or pick-ups**, and **shopping**
- **30%** of daily vehicle trips are internal (i.e. stay in Pitt Meadows) while **60%** of daily vehicle trips are leaving Pitt Meadows.
- For trips destined outside of Pitt Meadows, the majority are going to **Maple Ridge** and **Tri-Cities municipalities**



# Road Network Existing Conditions



**Pitt Meadows has 130 km of roadways, including:**

- 6 km of provincial highway;
- 15 km of arterial roads;
- 23 km of collector roads;
- 85 km of local streets.

**Two proposed corridors:**

- North Lougheed Corridor
- McTavish Corridor



# Road Network Existing Conditions

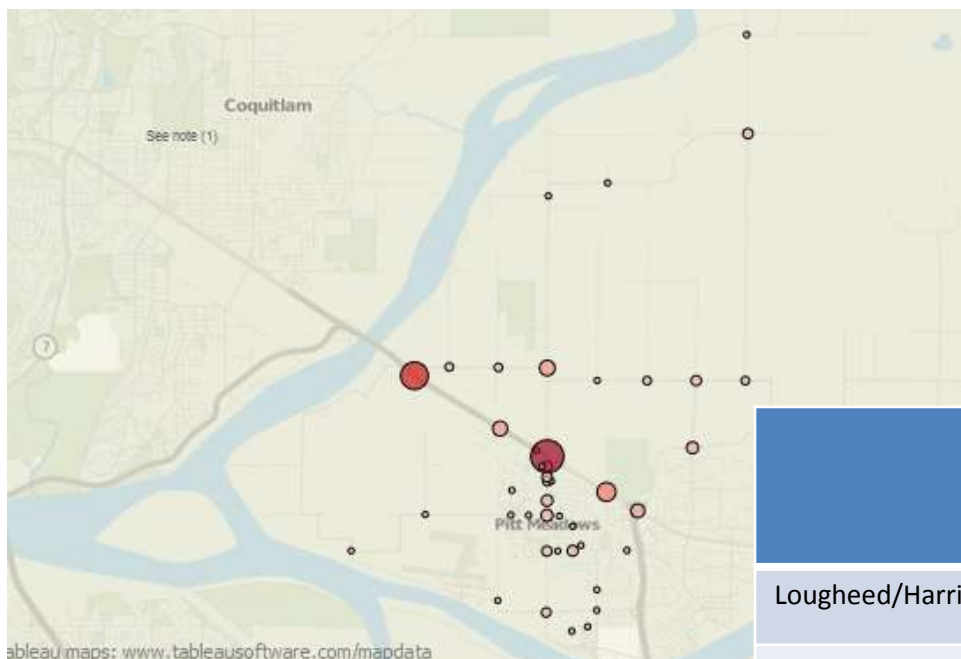


## Traffic volumes

- Highest traffic volumes on Lougheed and Harris Road
- Old Dewdney Trunk Road and Airport Way also have high volumes



# Road Network Existing Conditions



ableau maps: [www.tableausoftware.com/mapdata](http://www.tableausoftware.com/mapdata)

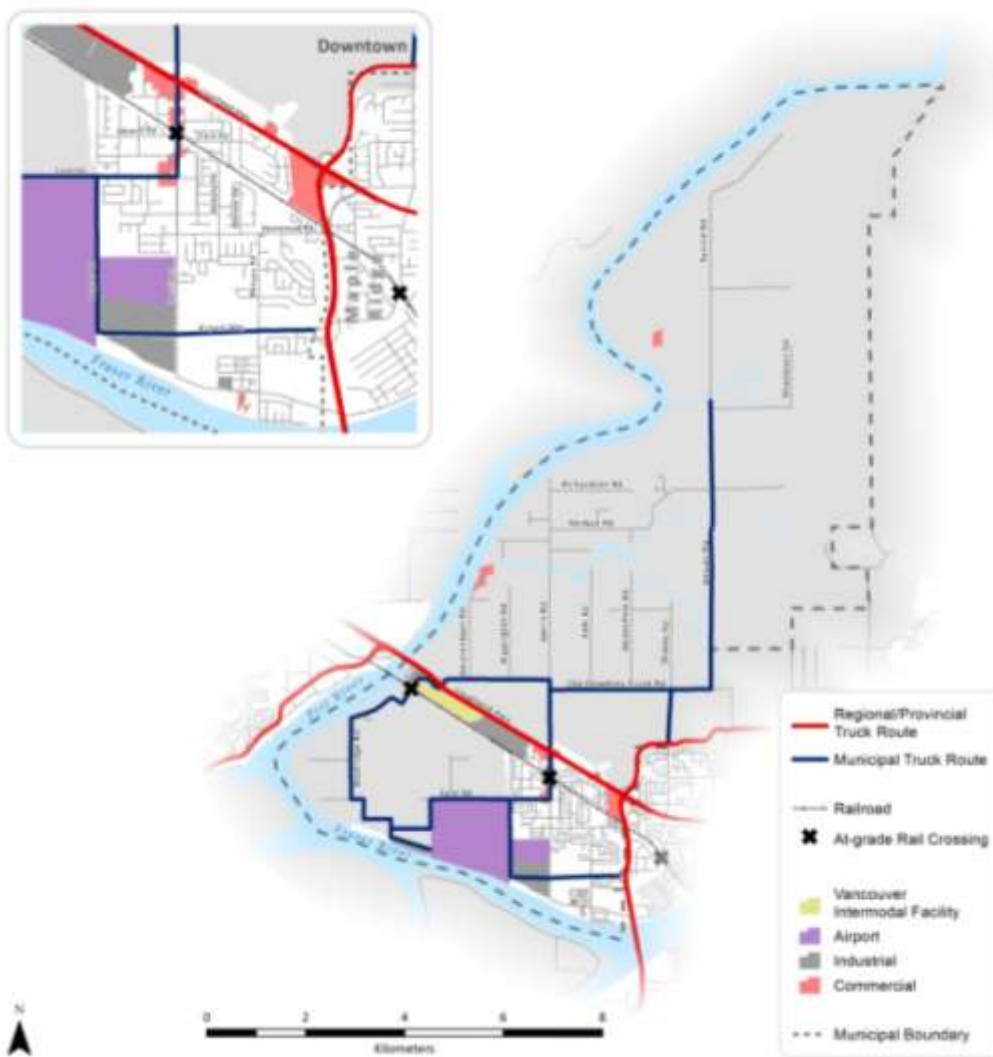
Source: ICBC

## Vehicle Collisions

- Highest collision locations along Lougheed intersections at Harris and Kennedy

	Average annual number of collisions)	Proportion of collisions involving casualties
Lougheed/Harris	116	42%
Lougheed/Kennedy	79	45%
Lougheed/Meadow Gardens Way	31	42%
Lougheed/Golden Ears Way	13	55%
Harris/Old Dewdney	13	44%
Lougheed/Allen Way	11	51%

# Road Network Existing Conditions



## Goods movement

2 at-grade rail crossings

- Harris Road, experiencing about **20** trains a day (typically 5 minute delays for CP trains)
- Kennedy Road, experiences about **25+** trains a day

# Transit Network





# Transit Network **What We Heard**

## Issues

- Better regional connections
- More coverage within Pitt Meadows including rural areas and South Bonson
- Limited passenger amenities at bus stops
- More customer information available at WCE stations & bus stops.
- West Coast Express
  - Weekend and evening service
  - Reverse peak service
  - Service throughout the day





# Transit Network **What We Heard**

## Opportunities

- Improve frequency and scheduling outside of peak hours, weekdays/weekends
- Improve connections to regional destinations outside of Pitt Meadows, (Surrey, SkyTrain, Vancouver, YVR)
- Expand route coverage to underserved neighbourhoods
- West Coast Express service during the day and on weekends.
- Shelters, benches, trash bins and customer information



# Transit Network **Travel Patterns**

- Transit accounts for 10% of daily **commute trips**, 5% of total daily trips
- Majority of transit trips starting in Pitt Meadows are longer than **10km in length**
- While nearly all West Coast Express trips are for **commuting**, 30% of daily bus trips are commute trips
- West Coast Express passengers are largely heading to **Vancouver**, while most bus trips are within **Pitt Meadows, to Maple Ridge or Coquitlam**





# Transit Network **Existing Conditions**

## Transit service types:

- Community shuttle (local service)
- Conventional bus (local and regional service)
- West Coast Express commuter rail (regional)
- HandyDart





# Transit Network **Existing Conditions**



## Transit Frequency

- Route #701 is part of TransLink's Frequent Transit Network (service every 15 minutes or better)

# Transit Network **Existing Conditions**



## Transit Coverage

- Most areas of the urban core are within a five minute walk (400m) from a bus stop.
- Many residents are within 400m from a FTN bus stop (route 701)



# Transit Network **Existing Conditions**

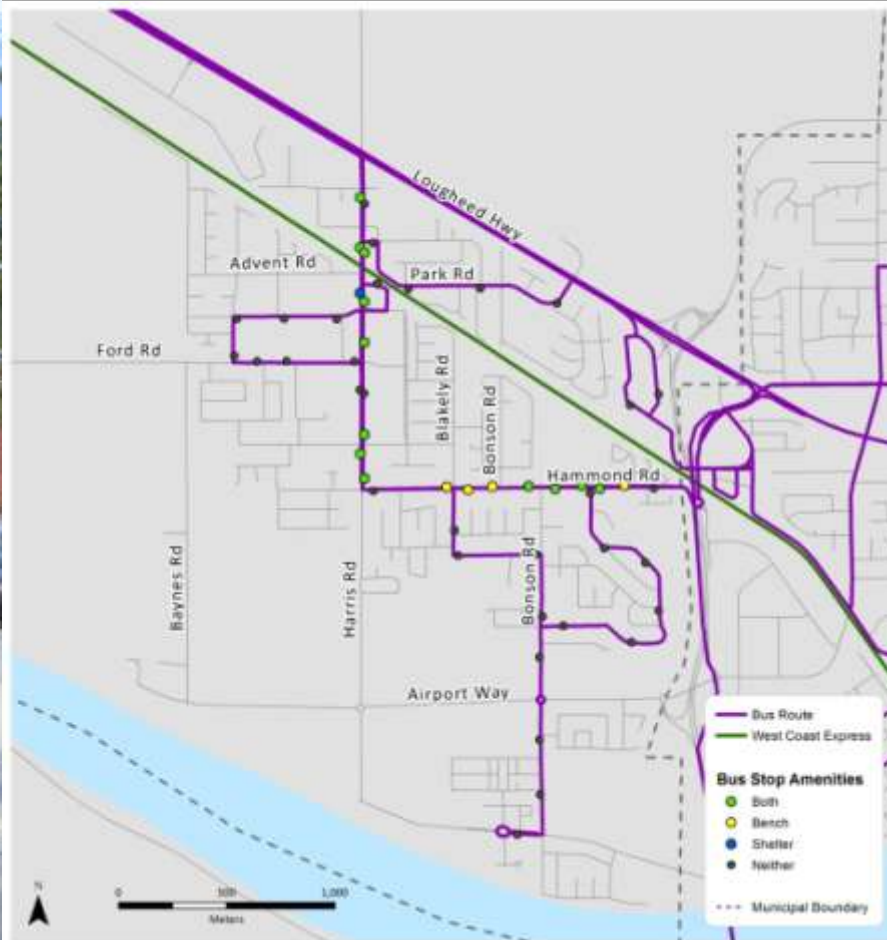


## Ridership

- Busiest bus stops:
  - Civic Centre
  - McMyn Road
  - Ford Road
  - West Coast Express Station



# Transit Network **Existing Conditions**



## Passenger Amenities & Accessibility

- 23% of bus stops have bus shelters and benches
- 56% of bus stops are wheelchair accessible

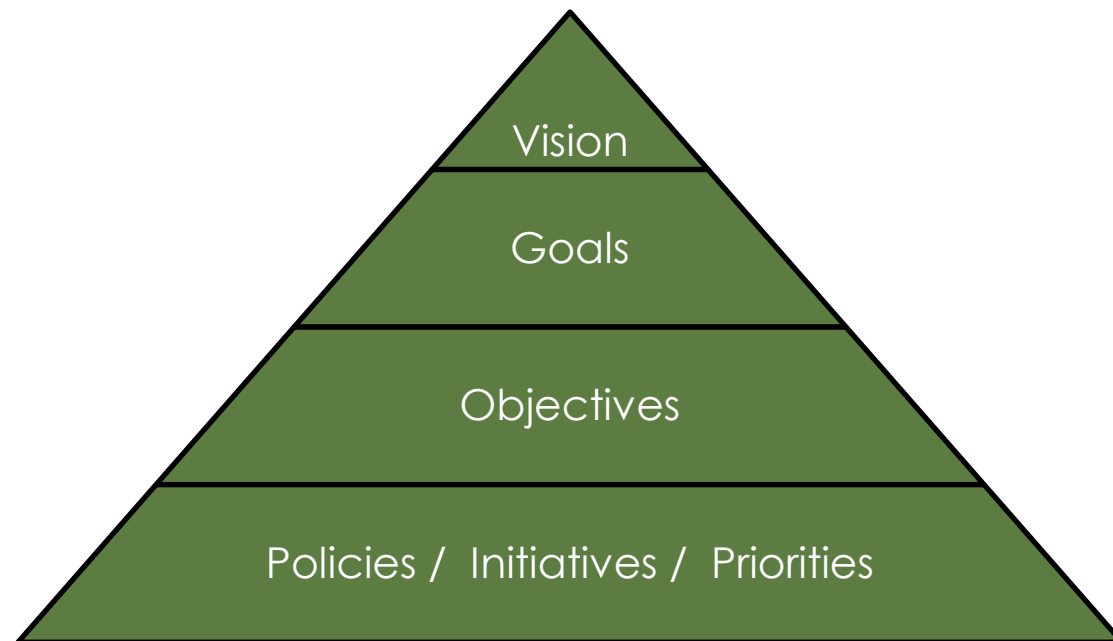


# Your Future Vision

**Aspirations**

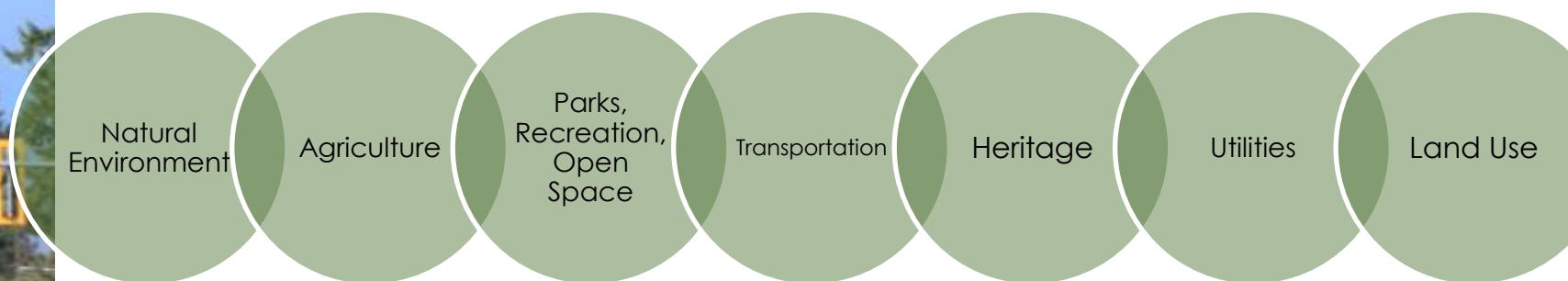


**Stakes**



# Your Future Vision

## OCP Directions



**Mobility • Health • Economy • Efficiency • Livability**

What should guide the vision of Pitt Meadows' transportation network?



# Your Future Vision

What should be the direction for the transportation network in Pitt Meadows?

Transit Coverage  
Affordability  
Education/Awareness  
Efficiency  
Integration  
Safety  
Economic Development  
Health  
Less Congestion  
Goods Movement  
Accessibility  
Provide Capacity  
Regional Connections  
Access  
Transportation Demand Management  
Mobility  
Resiliency  
Transit Frequency  
Traffic Management  
Multi-modal  
Neighbourhood livability



# City of Pitt Meadows Transportation Master Plan

*Thank you!*

June 24, 2013

City of Pitt Meadows



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