

Maple Ridge Project Updates



Council Meeting
December 3, 2012

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systems

Agenda

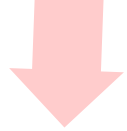
1. Master Transportation Plan Update
2. Traffic Calming Policy
3. Corridor Management Strategies



1. Master Transportation Plan Update

MTP Study Process

Phase 1 – Plan Start-Up



Phase 2 – Updated Key Issues & Opportunities



Phase 3 – Updated Improvement Strategies



Phase 4 – Reporting

We are here



MTP Transportation Goals

Access & Mobility

- People, goods & services
- Promote accessibility
- Enhance safety
- Regional connections
- Efficient roadways
- Emergency access

Quality

- Complement local policies / plans
- Support regional / provincial initiatives
- Support urban design
- Provide flexibility

Choice

- Integrate modes
- Promote transit
- Promote cycling
- Support pedestrians
- Encourage ridesharing

Community & Environment

- Integrate communities
- Coordinate land use
- Preserve environment
- Healthy lifestyles

Affordability

- Minimize infrastructure
- Maximize efficiency
- Manage congestion
- Prioritize transit & goods
- Alternate revenue sources

MTP Update Process - Who's Involved

Council

- Workshops
- Plan Approval

Staff

- Workshops
- Input and Guidance Meetings

Agencies

- Information Meetings

Public

- Open Houses / Workshops
- Website
- Survey

Public Consultation


- Open House #1
 - Farmers Market
 - September 8, 2012



Public Consultation

- Issues and Opportunities Survey
 - September – October 2012
 - Over 100 responses received

1. What should be the **highest priorities** in the updated TP?
2. What are the top 3 transportation **issues & challenges** in Maple Ridge?
3. What transportation facilities need the **most improvement**?
4. How could the District help you **walk/cycle/take transit more often**?

Transportation Plan Update

Transportation Issues & Opportunities Survey

Thank you for your interest in the District of Maple Ridge's Transportation Plan Update. We would appreciate if you could take a few minutes to give us your comments by completing this questionnaire. Your answers will help the District update the Transportation Plan and prioritize issues and opportunities. **Please complete this survey by Friday, September 14, 2012.** This survey should take less than 10 minutes to complete.

1. What aspects of Maple Ridge's transportation system should be considered as the highest priorities in the updated Transportation Plan? Please rank these topics from 1 through 7, with 1 being most important and 7 being least important.

	Most Important						Least Important
	1	2	3	4	5	6	7
Street Network	1	2	3	4	5	6	7
Pedestrian Network	1	2	3	4	5	6	7
Bicycle Network	1	2	3	4	5	6	7
Transit System	1	2	3	4	5	6	7
Trip Reduction	1	2	3	4	5	6	7
Goods Movement	1	2	3	4	5	6	7
Street Lighting	1	2	3	4	5	6	7

2. In your opinion, what are the top three transportation issues or challenges facing Maple Ridge today or in the future?

1. _____

2. _____

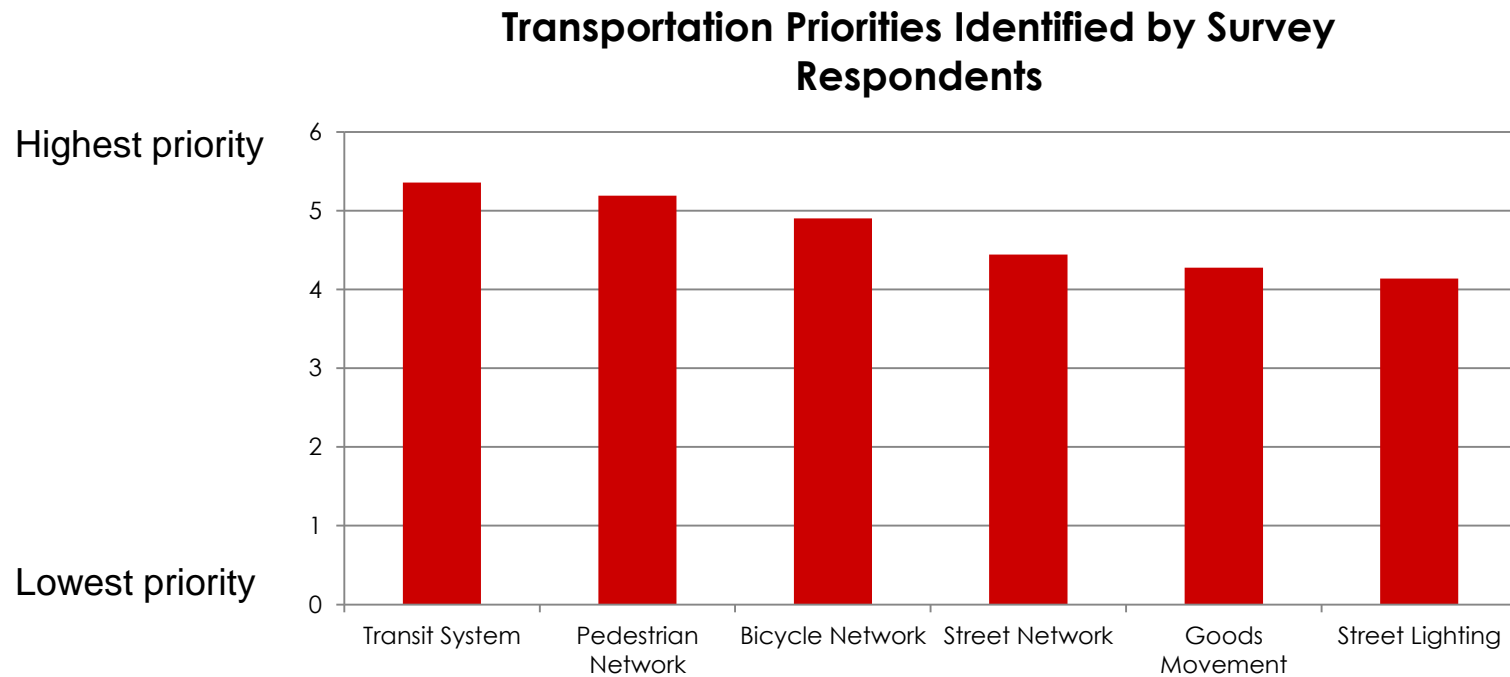
3. _____

- More questions on next page -

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Public Consultation: What We Heard

- Transit identified as highest priority, followed by pedestrians and cycling



Walking: Key Issues

- More sidewalks (i.e. Downtown)
- Sidewalk connectivity & accessibility
- Safer crossings
- Street lighting
- Rural roads/shoulders
- Traffic calmed neighbourhoods
- Overpass on Lougheed
- Maintenance of existing sidewalks/routes



Walking: Existing Conditions

- 244 km of existing sidewalks
- 10% of total daily trips are walking trips
- In the urban area, 64% of all streets have a sidewalk on at least one side of the street, including 75% of all urban collectors and arterials



Walking: Preliminary Directions

1. Increase Sidewalk Coverage

Sidewalk priorities based on commercial areas, high density residential, transit access, and schools

Sidewalks increase from **X km to X km**

Insert maps

Walking: Preliminary Directions

2. Enhance downtown walkability

Narrower Crossings



Infiltration Planters



Benches



Signage



Accessible Letdowns



Countdown Timers



Tree Grates



Crossings



Walking: Preliminary Directions

3. Pedestrian Support Programs

Safe Routes to school

Wayfinding

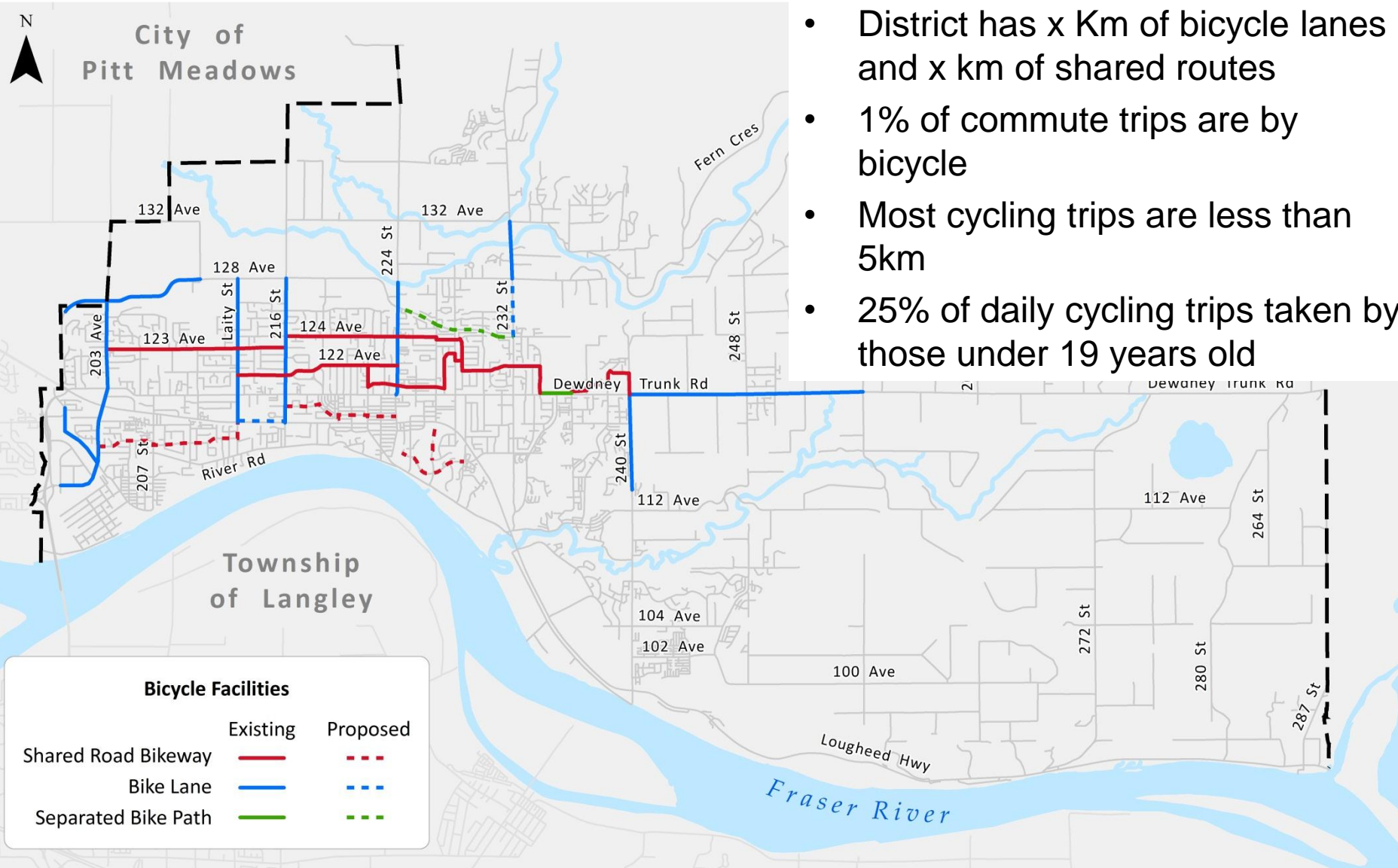
Pedestrian Advisory Committee

Cycling: Key Issues

- Incomplete bicycle network
- On-street facilities - more, safer bike lanes
- Separated lanes
- Safer crossings - bicycle pushbuttons
- More east-west bike routes
- Multi-use paths
- Connections with Pitt Meadows



Cycling: Existing Conditions



Cycling: Preliminary Directions

1. Comfortable Bicycle Facilities

Bicycle Lanes

(Arterial / Collector Roads)



Paved Shoulders

(Rural Roads)



Marked Wide Curb Lanes

(Arterial / Collector Roads)



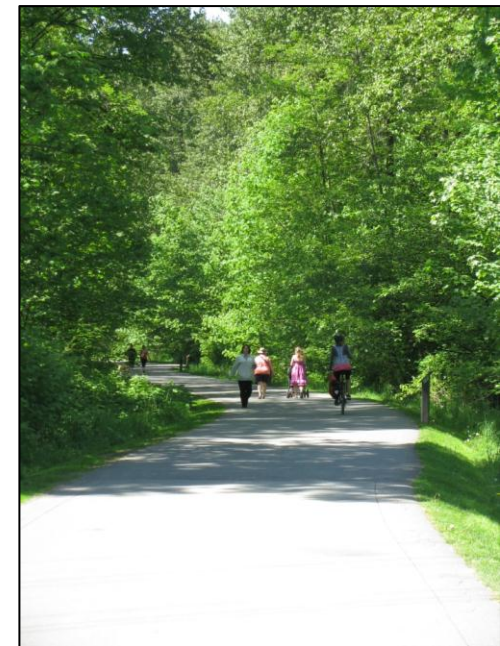
Shared Route

(Local Roads)



Multi-Use Pathways

(Off-Street)



Cycling: Preliminary Directions

2. Complete, Connected Network

Cycling: Preliminary Directions

3. Bicycle support programs and facilities

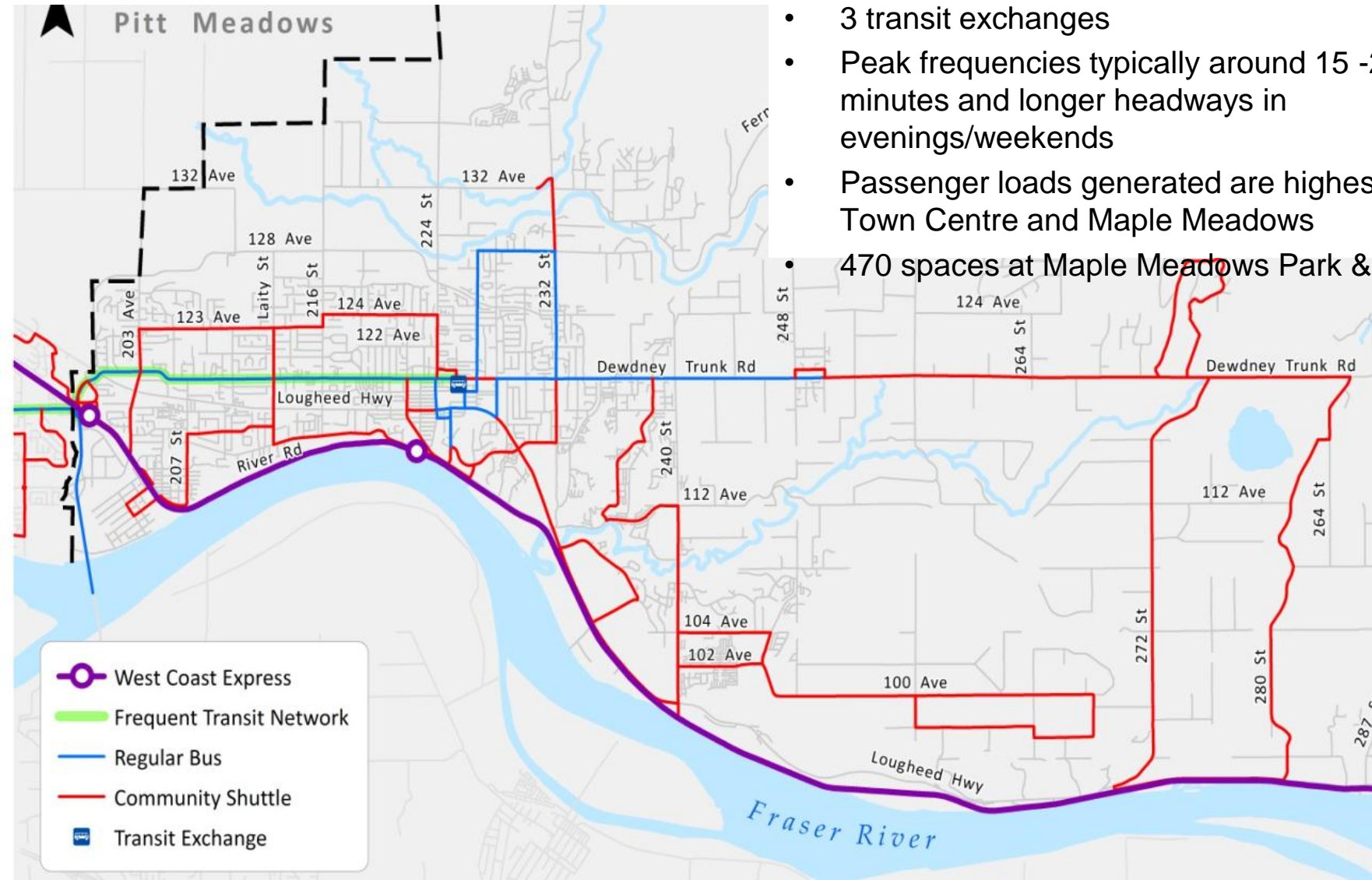
Transit: Key Issues

- Better network coverage to underserved areas
- More evening and weekend bus service
- Extend West Coast Express hours to mid-day, evenings, and weekends
- Rapid transit
- Transit accessibility
- East-west connections
- Better connections to Downtown, to Pitt Meadows, Coquitlam (SkyTrain)



Transit: Existing Conditions

- Range of transit services – community shuttles, bus, HandyDART, and commuter rail
- 3 transit exchanges
- Peak frequencies typically around 15 -25 minutes and longer headways in evenings/weekends
- Passenger loads generated are highest in the Town Centre and Maple Meadows
- 470 spaces at Maple Meadows Park & Ride



Transit: Preliminary Directions

1. Rapid / Frequent Transit Corridors

- Rapid bus connections across Dewdney Trunk
- Connections into Pitt Meadows and Coquitlam
- Expanding West Coast Express services (daytime & weekend)

2. Local and Neighbourhood Services

- Increased frequency on most local routes
- Increase frequencies & capacities of community shuttles
- More service in east Maple Ridge
- Enhanced weekend and evening services
- Service provided to:
 - Silver Valley
 - Albion
 - Hammond



Transit: Preliminary Directions

3. Integrated Land Use Planning

4. Transit supportive strategies

Transit Priority



Universal
Accessibility



Passenger
Facilities



Customer Information

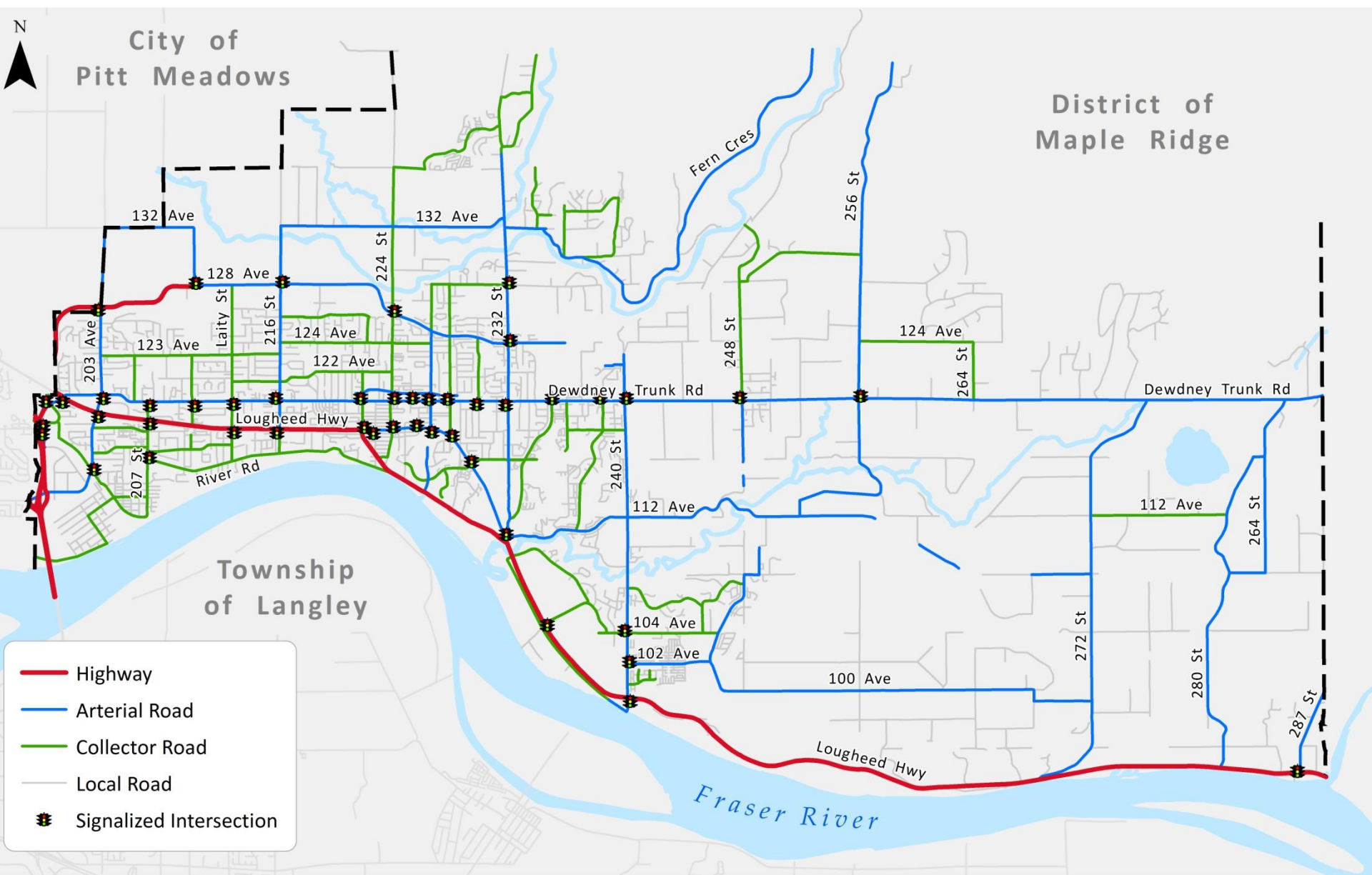


Roads: Key Issues

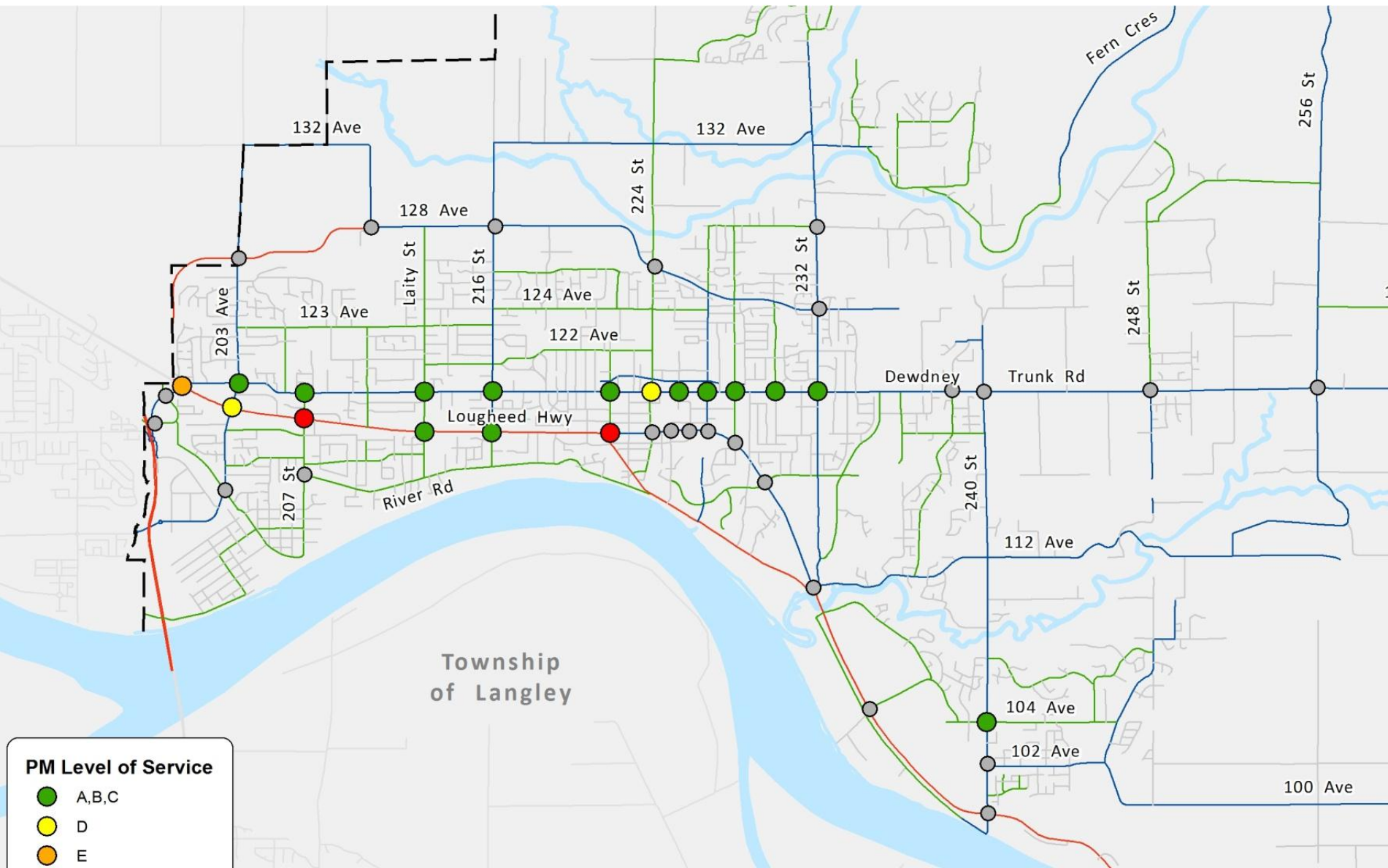
- Congestion (Dewdney Trunk, Lougheed)
- East-west mobility
- Intersection bottlenecks, more turn lanes/lights
- Network connectivity
- Short-cutting
- Traffic calming for residential areas



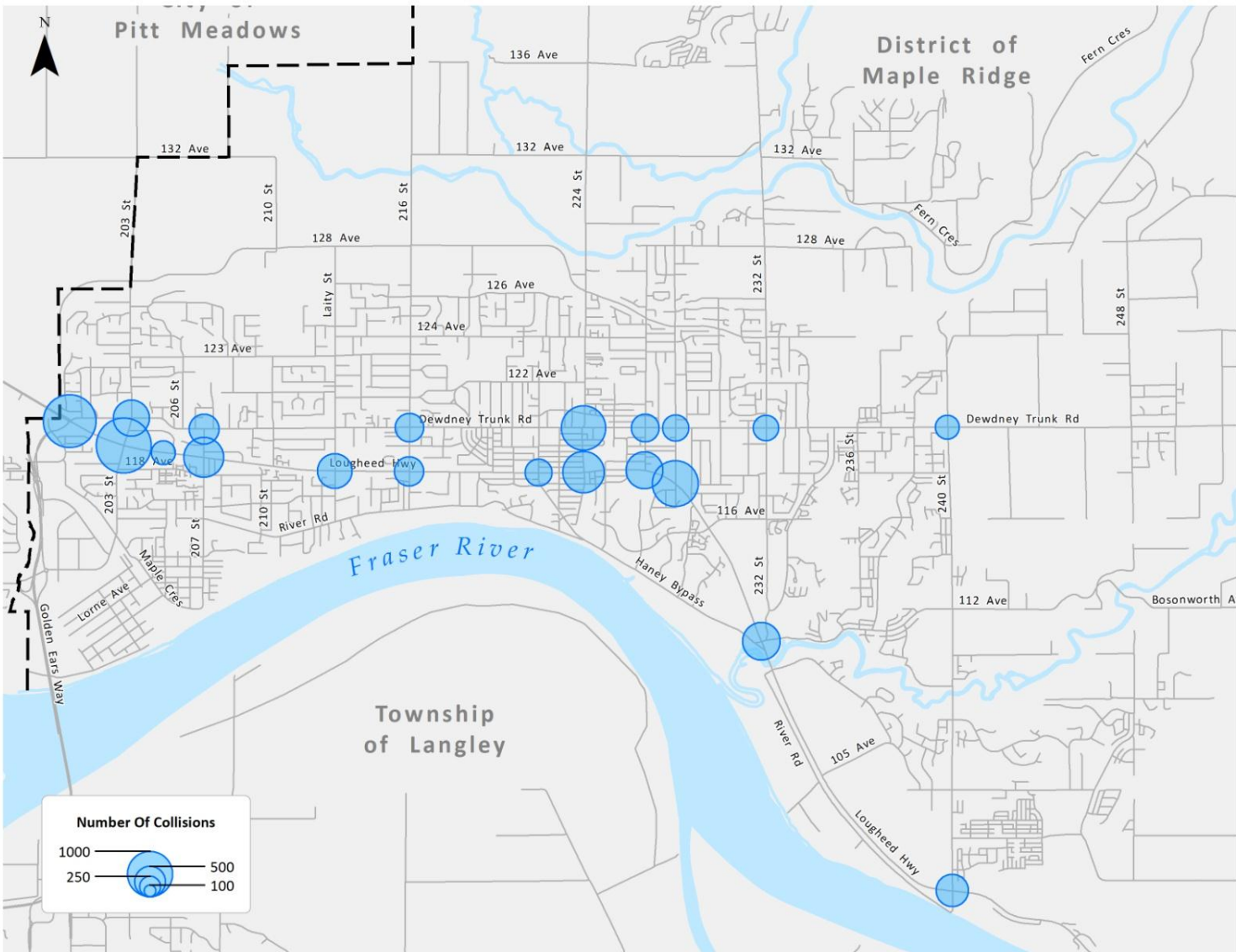
Roads: Existing Conditions



Roads: Existing Conditions



Roads: Existing Conditions



Roads: Future Conditions

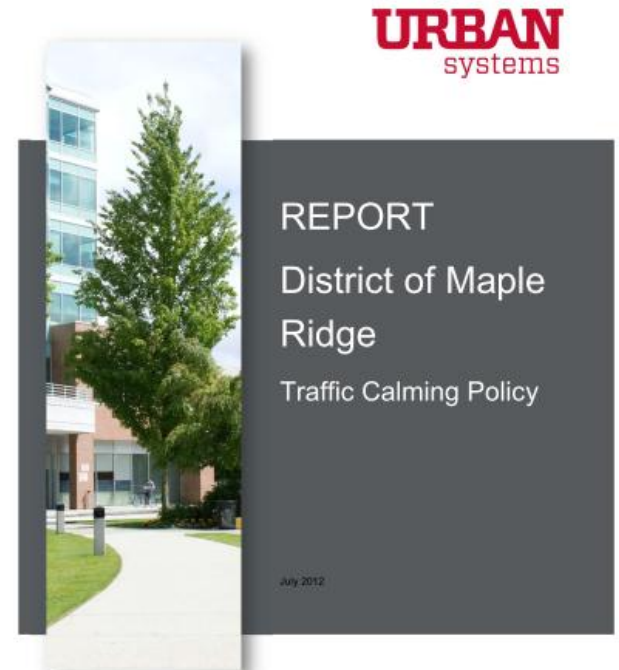
Road Network Opportunities

- a. Major Network Improvements Concepts**
- b. Corridor/Intersection Improvements**
- c. Street Classification System Updates**

MTP Next Steps

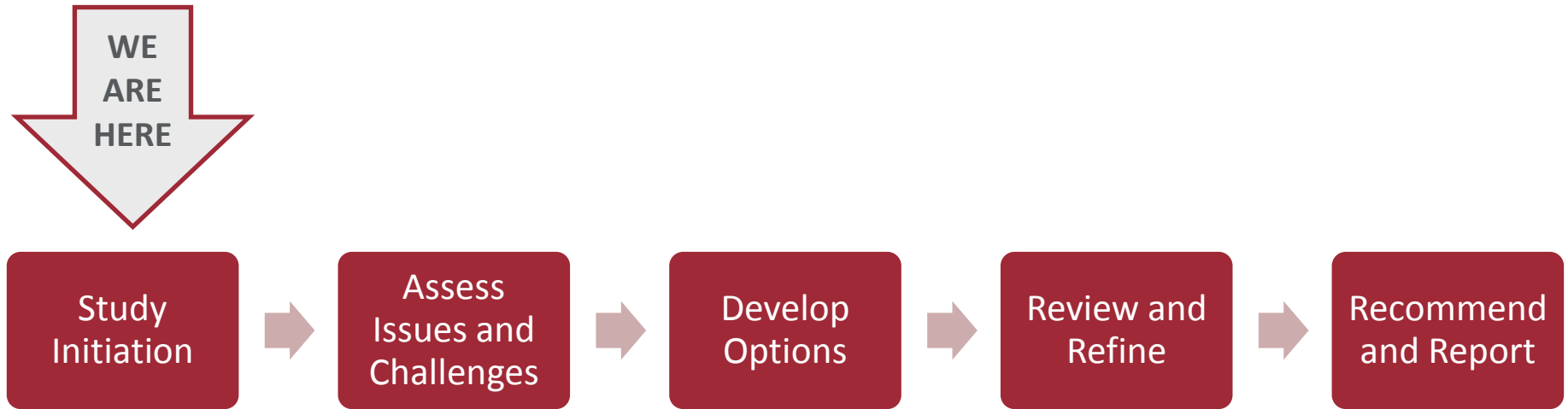
2. Traffic Calming Policy

- Draft Traffic Calming Policy prepared
- Will be tested on 124 Ave

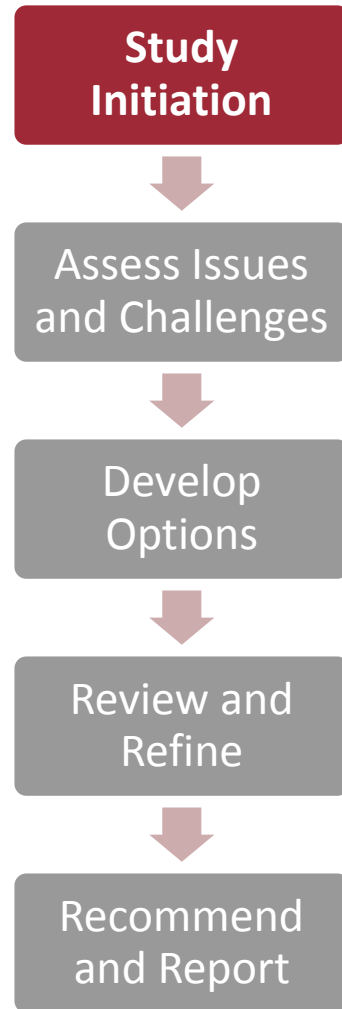


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Traffic Calming Process

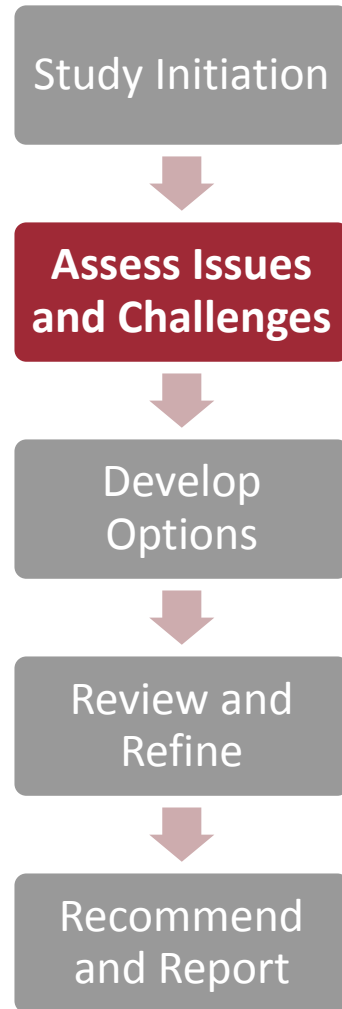


Traffic Calming Process



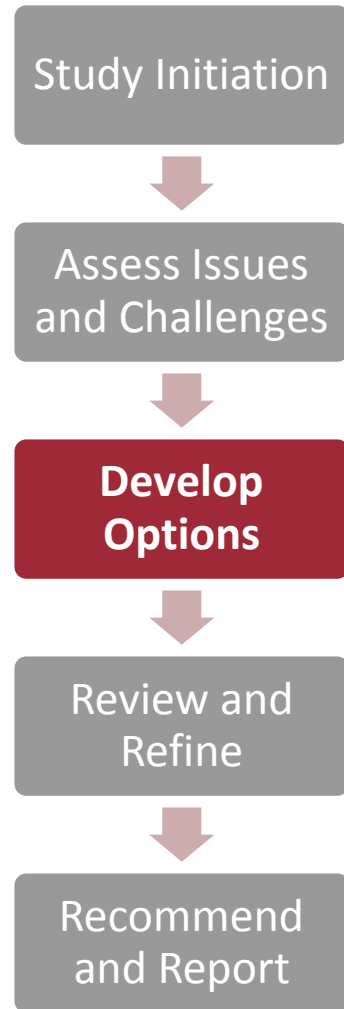
- Meet with community
- Create NTAC
- Collect and review existing reports
- Collect new data
- Gather applicable regulations, best practices guidelines, & design guides

Traffic Calming Process



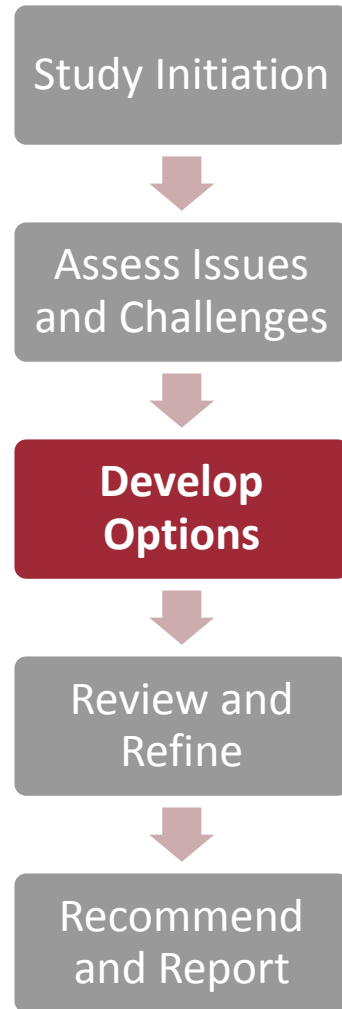
- Review and document all available information
- Analyze data
- Summarize issues and challenges
- Discuss issues, challenges, & potential solutions with NTAC

Traffic Calming Process



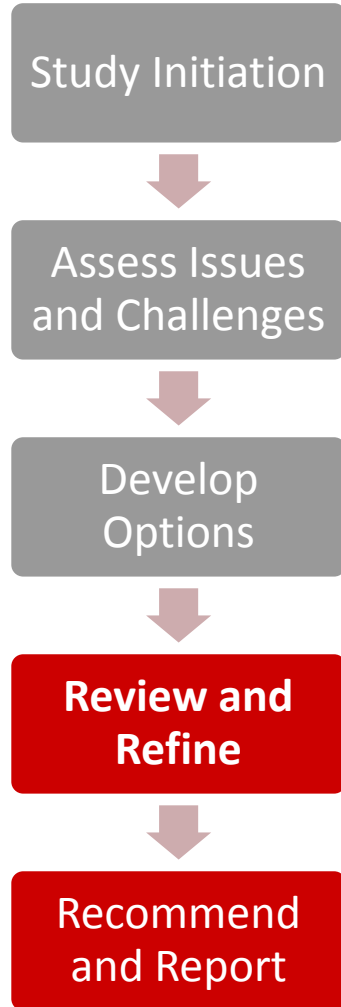
- Develop shortlist of potential options based on all sources
- Review solutions considering constraints
- Develop concept plans with options
- Discuss concepts with NTAC

Traffic Calming Process



- Develop shortlist of potential solutions based on all sources
- Review solutions considering constraints
- Develop two concept plans
- Discuss concepts with NTAC
- Public open house
- Community survey

Traffic Calming Process



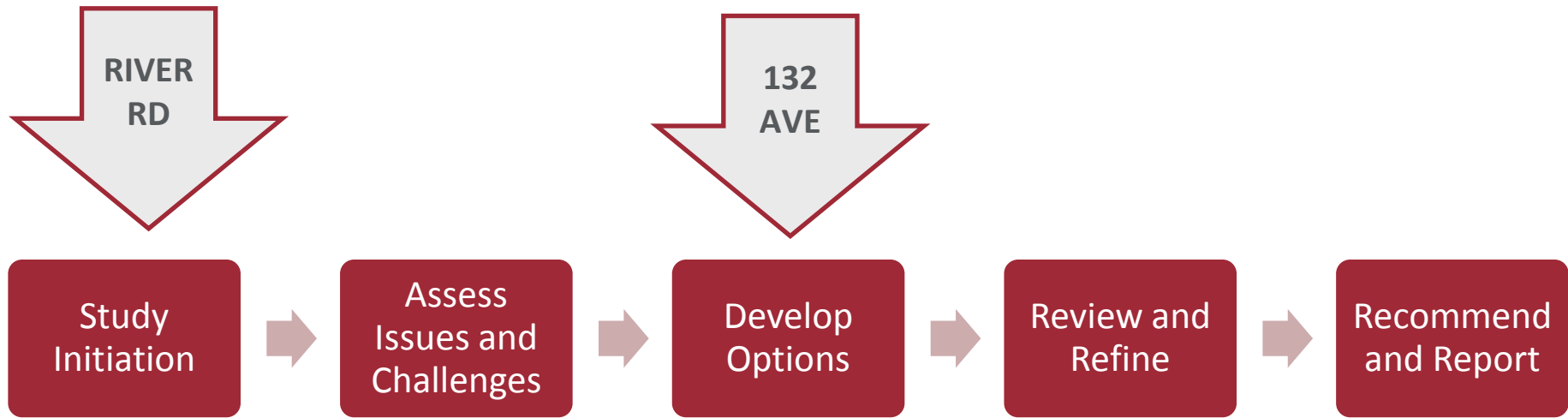
- Refine concept to reflect feedback
- Discuss with NTAC
- Prepare recommended concept
- Develop final report:
- Report to Council

3. Corridor Management Strategies

Corridor Management Strategies

- 3 Corridors
 - 1. 132 Avenue
 - 2. River Road
 - 3. 124 Avenue (Shady Lane)

Corridor Management Strategies



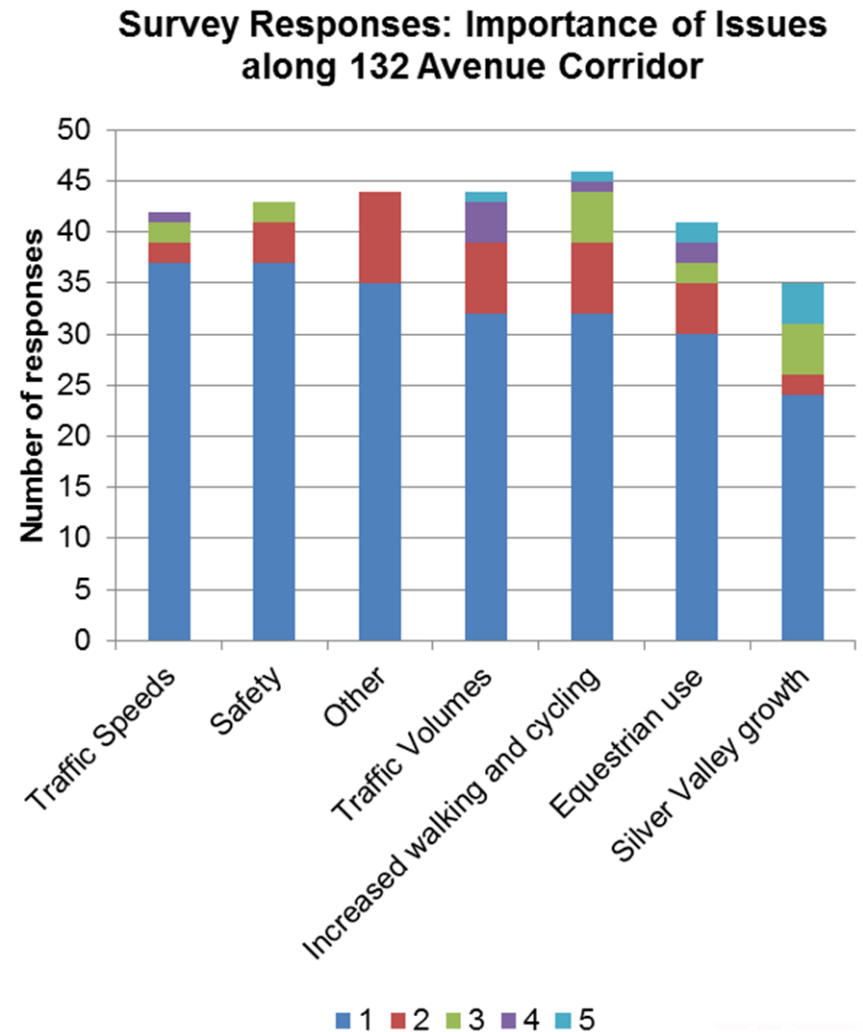
132 Avenue: Study Process

- Surveys
- Data collection
- Neighbourhood walkabout
- Neighbourhood Transportation Advisory Committee meetings



132 Avenue: Key Issues

- Traffic speeds and safety were most important identified issues
- Other issues include traffic noise, heavy vehicles, wildlife crossings, and rural character

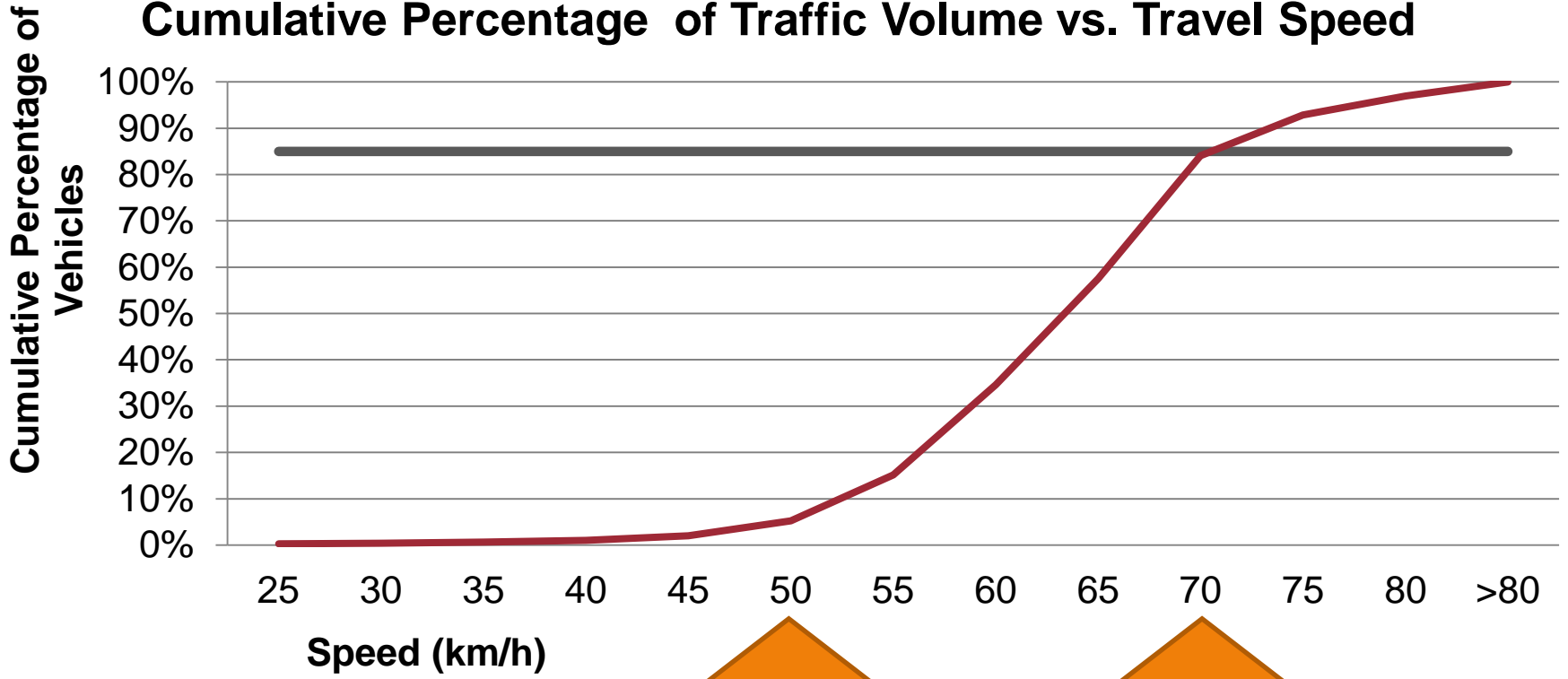


132 Avenue: Data Collection

- Measured speeds exceed the speed limit

132 Avenue East of 224 Street

Cumulative Percentage of Traffic Volume vs. Travel Speed



132 Avenue: Constraints

- Property
- Environment
- Drainage
- Access
 - 224 Street, 232 Street only accesses to Silver Valley;
 - 132 Avenue plays a role as a network road
 - Current load limit on 232 Street Bridge (26 t G.V.W.)
- Funding

132 Avenue: Desired Outcomes

1. Safe space for pedestrians and bicycles
2. Safe space for horses
3. Slow traffic to posted speed limit

132 Avenue: Potential Treatments

Speed Reader
Boards

Neighbourhood Traffic
Safety Campaign

Multi-Use
Pathway



Rural Chicanes

Gateway Features



River Road: Study Process

- **Surveys**
- **Data collection**
- **Neighbourhood walkabout**
- **Neighbourhood Transportation Advisory Committee meetings**



River Road: Key Issues

River Road: Data Collection

River Road: Data Collection

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