

# Welcome

**The Ministry of  
Transportation  
and Infrastructure is  
pleased to welcome  
you to  
an information  
session for:**

**Cariboo Highway 97  
Carson Drive to  
Fox Mountain Road  
Four Laning Project**

## **Preliminary Engineering**

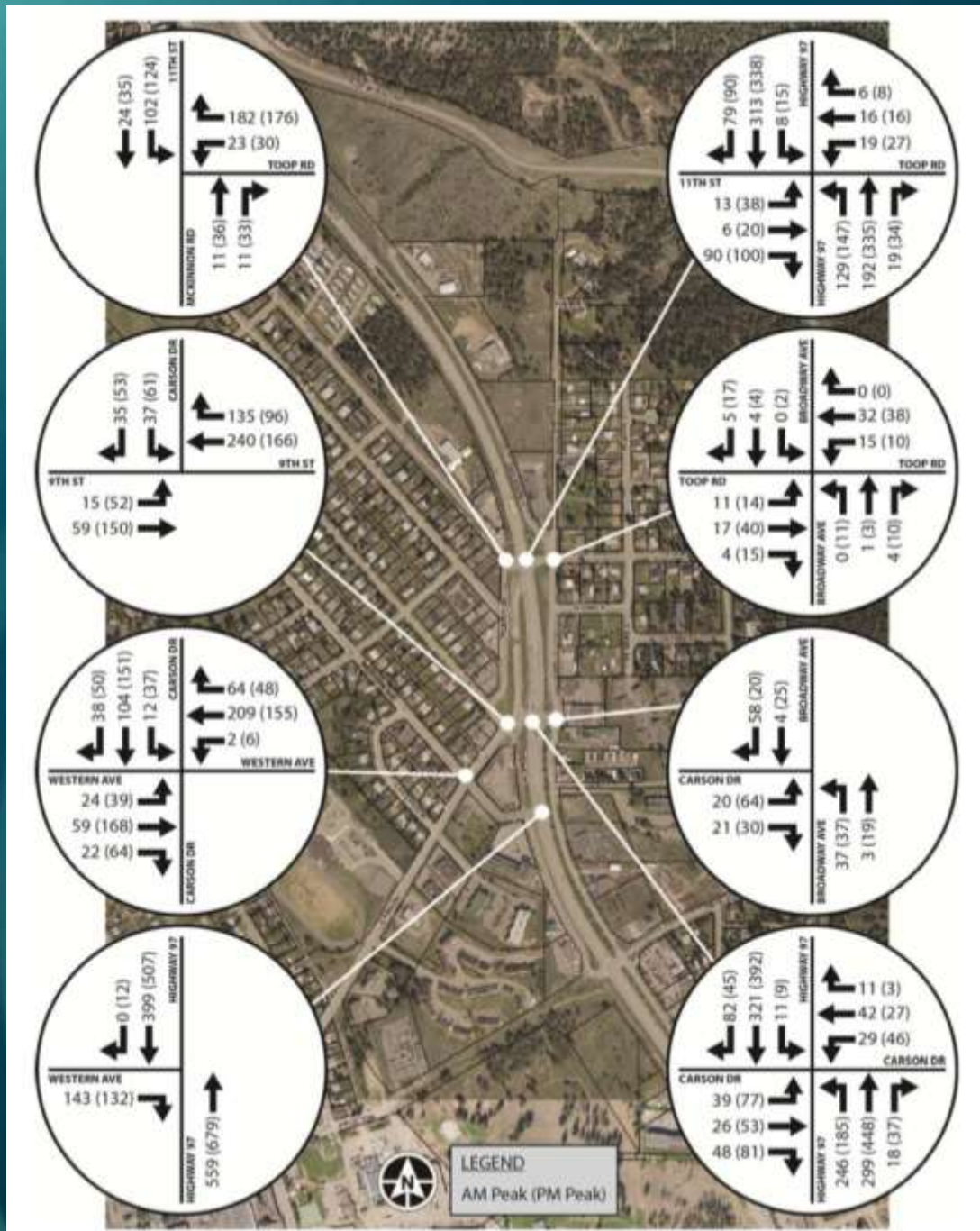
**Your comments are  
appreciated**



# Existing Conditions:

- **13,000 Average Annual Daily Traffic volumes**
- **Exceeds 16,000 Vehicles per Day during the summer periods**
- **Average daily traffic is composed of:**
  - **Approximately 94% passenger vehicles**
  - **6% Trucks**
- **Traffic growth = 0.7% per year (2001 to 2010)**
- **Approaches to Highway 97 from Toop Rd. experience significant delay**
- **Vehicles turning left from Highway 97 onto 11<sup>th</sup> Ave create queues and unsafe traffic maneuvers due to the absence of a left turn bay**
- **Steep grades at Carson Drive and Highway 97 Intersection**

# Existing Conditions: Peak Hour Volumes



# Existing Conditions:

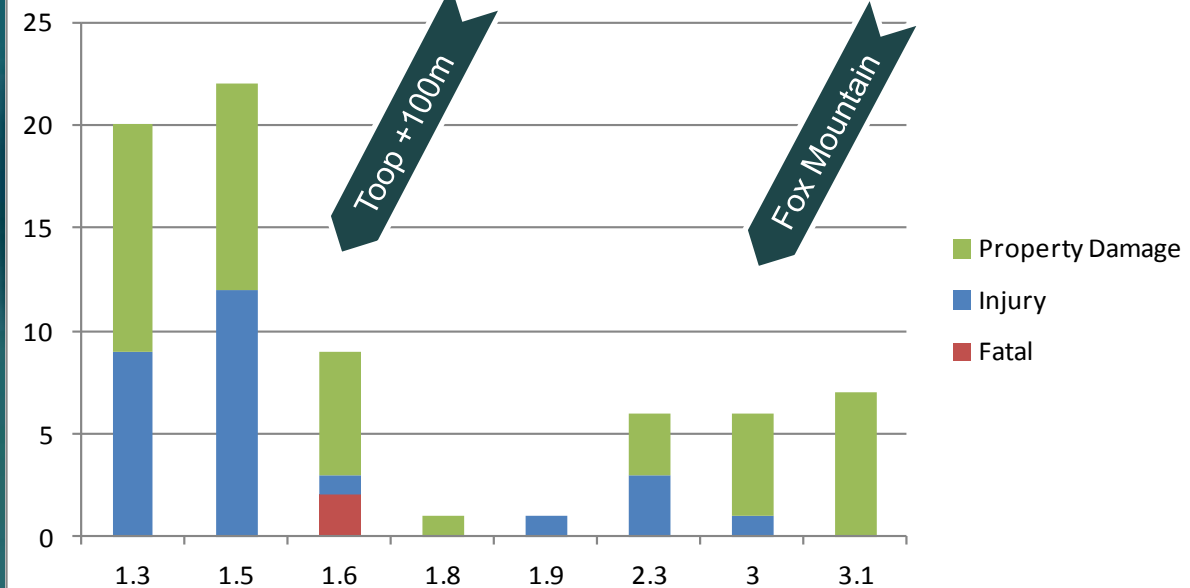
## Collision History

### Collisions (2003 to 2012):

- 2 fatalities, 27 injuries, 43 property-damage-only
- Most Common Type of Collision:
  - 36% - 90° intersection type
  - 14% - Off-road right and Off-road left
  - 13% - Rear-end
  - 37% - Others



### 2003-2012 Collision Severity Distribution



# How Did We Arrive At This Solution?

## Project Timeline:

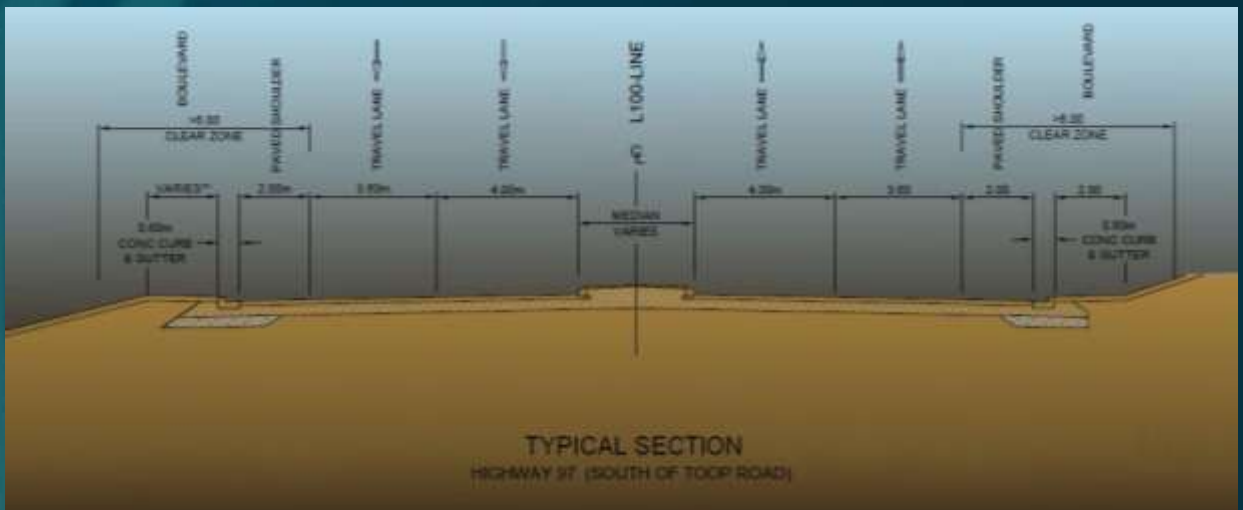
- 2011 Urban Systems completed Project Development Report
- 2012 Open House was held to present 2 Options to the community
  - Feedback was reviewed and discussed with project team
- 2012 MoTI retained RF Binnie & Associates to undertake preliminary engineering
- 2013 Considering the planning options, Binnie completed Conceptual Options Evaluation Report
- 2013 Value Analysis was completed
- Conclusion:
  - The Design consultant recommended that relocating and upgrading the signalized intersection from Carson Dr to Toop Rd would best improve safety and mobility along the corridor

# Preliminary Engineering Considerations

- Safety requirements
- Improvement of grades
- Improving mobility
  - 4-Laning Highway 97
  - Side road and network connectivity
  - Pedestrian underpass
  - Pedestrian and cyclist accommodation
  - Improved access to commercial developments
- Property Impacts
- Constructability
- Traffic Management
- Capital Costs
- Stakeholder input
- First Nations Consultation

# Project Scope

- Length approximately 1.5 km
- 4 - Lane cross section
- 3.6 metre wide lanes
- 2.6 metre centre median
- 2.0 metre paved shoulders with curb and gutter up to Toop Rd.
- Roadside barrier as required
- 70km/hr Design Speed



# Improvements

- **4-Lane Highway 97**
- **Intersection Geometrics Upgrades**
  - **Flatter grades on Intersection approaches**
  - **Traffic channelization to accommodate larger vehicles**
  - **Deceleration and acceleration lanes**
  - **Improved safety, grades and sight distance at new signalized intersection at Highway 97 and Toop Rd.**
- **Highway 97/Toop Rd. – signalized, full movement intersection**
- **Highway 97/ Carson Rd. – modified intersection movements to Highway, no left out**
- **Network road improvements and connections**
- **Improved lighting at intersections**
- **Reduced conflict points at Carson Rd. Intersection**
- **New pedestrian underpass**



# Environmental Considerations

- **Complete Archaeological Assessment**
- **Complete Environmental Assessment**
- **Develop Mitigation Plan as required**
- **Conduct Drainage Study**
- **Continue environmental monitoring during and after construction**



# NEXT STEPS

- **Proceed with Detail Design**
  - **Conduct Value Engineering study on the design**
  - **Road Safety Audit of the design**
- **First Nations Consultation**
- **Stakeholder Feedback**
- **Property Acquisition**
- **Coordinate Utilities**
- **Obtain Environmental Approvals**



# **Thank You For Attending**

**Please feel free to provide any  
Comments or feedback**

**OR**

**Contact Lisa Miller, Project Manager  
Ministry of Transportation and Infrastructure  
447 Columbia Street, Kamloops, BC V2C 2T3**

**[LisaAnn.Miller@gov.bc.ca](mailto:LisaAnn.Miller@gov.bc.ca)**

