



# Highway 97A Enderby / Splatstin Transportation Plan

Enderby Public Workshop

May 1, 2019



**1**      **Introductions and Study  
Overview**

**2**      **Existing and Future  
Conditions**

**3**      **Issues and Opportunities  
Identification**

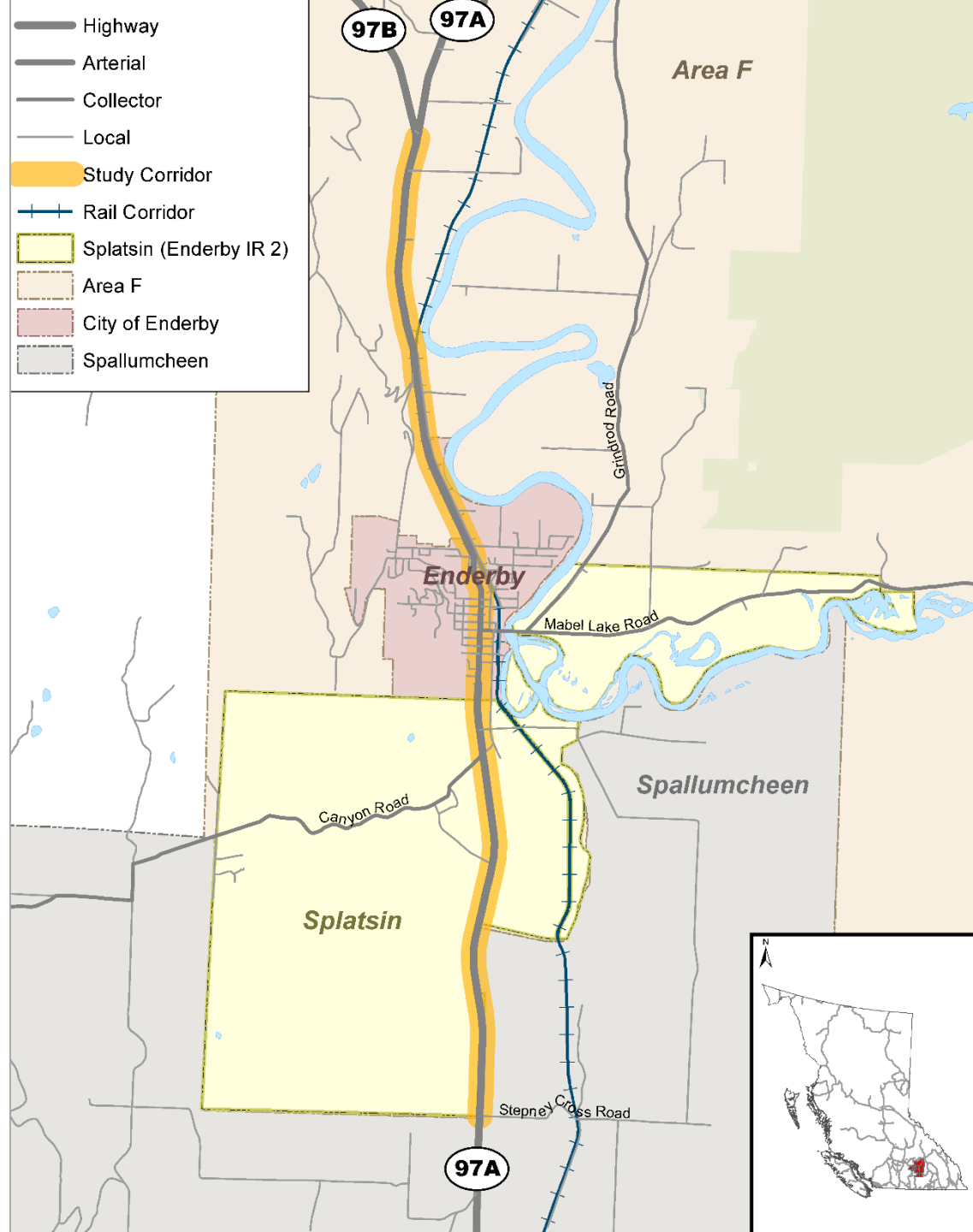
**4**      **Guiding Principles**

**5**      **Historical Options**

# Study Overview

# Study Area

- Highway 97A Corridor from:
  - Highway 97A / Highway 97B junction (north end)
  - Stepney Cross Road (south end)



# Project Delivery Life Cycle

## Programming

Identifies needs and priorities

## Infrastructure Planning

Identifies and evaluates options, including local government, First Nations and stakeholder engagement, leading to a business case for a preferred concept

## Preliminary Design

Refines planning concepts and cost estimate, advances issues assessment and establishes basis for partnerships

## Functional Design

Refines the preliminary design with detailed investigations, value engineering and ongoing local government, First Nations and stakeholder engagement

## Detailed Design

Refined final design and tender ready drawing/specifications


## Tender

Advertisement for construction bids

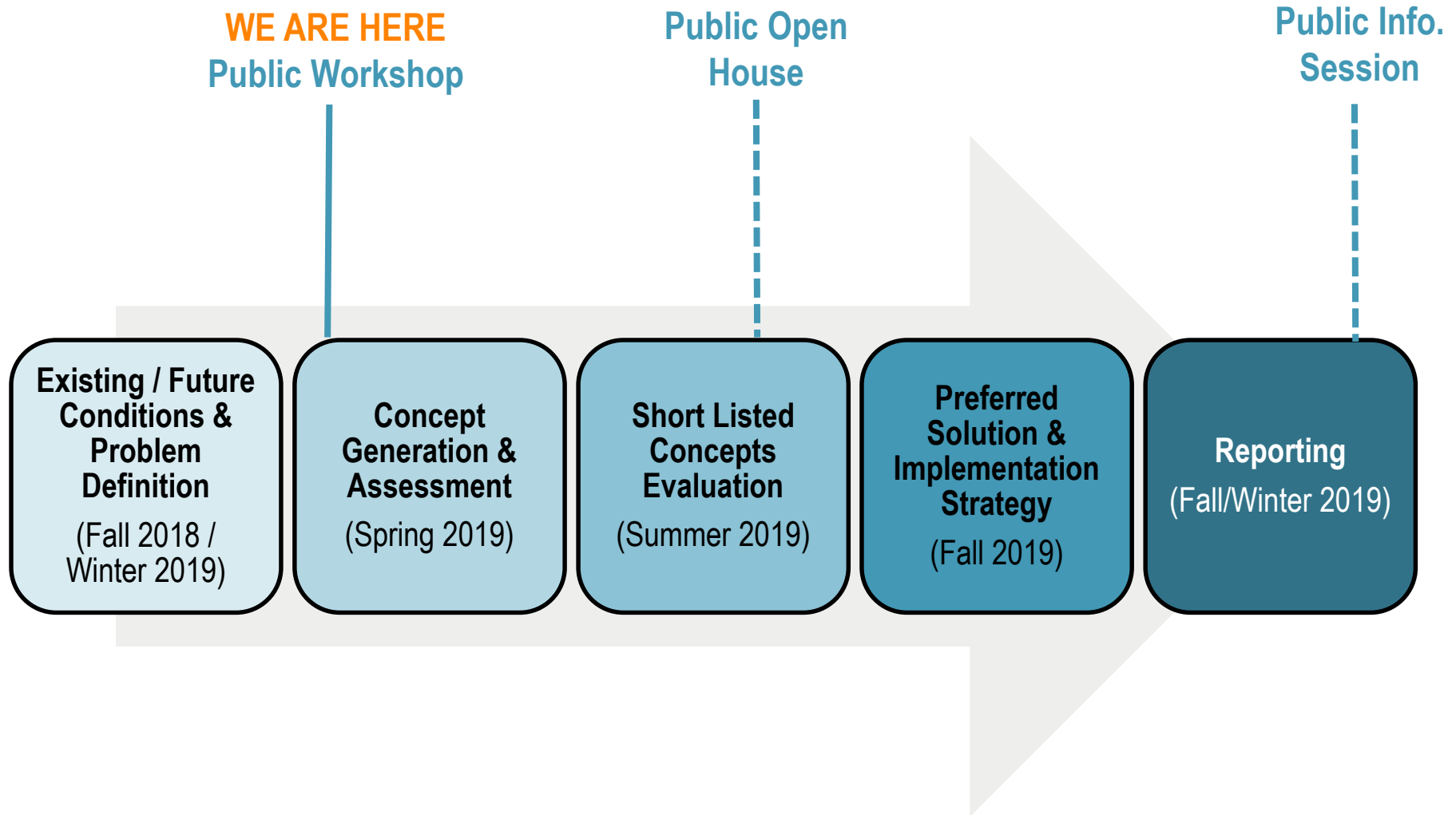
## Construction

Construction activities and monitoring

## **Study Purpose**

- Highway 97A is part of the National Highway System, and connects communities and markets in the North and Central Okanagan
  - Traffic volumes are growing steadily and a decrease in mobility performance is anticipated
  - Updating previous analysis is required to inform short, medium and long-term solutions over a 25 year period
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# Study Process



# Existing and Future Conditions



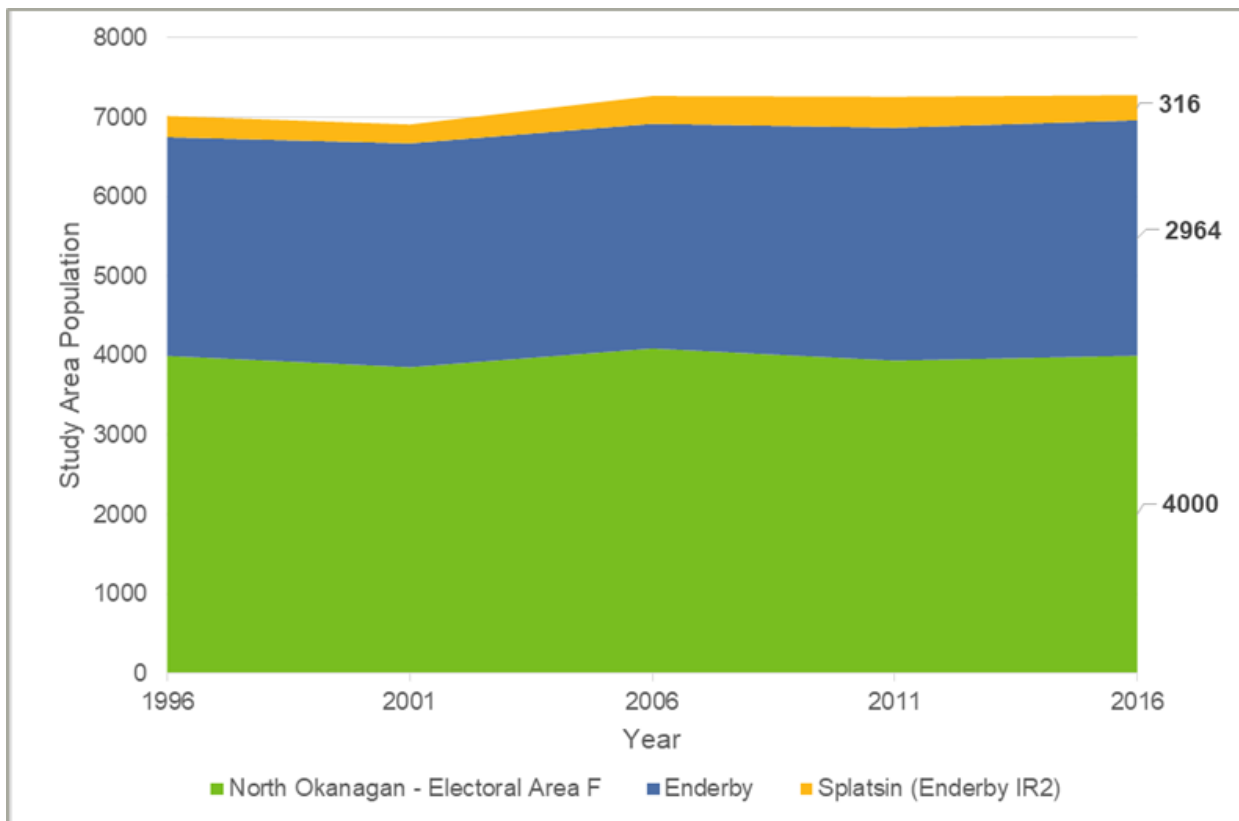
# Study Area Population

- **2016 Population = 7300**

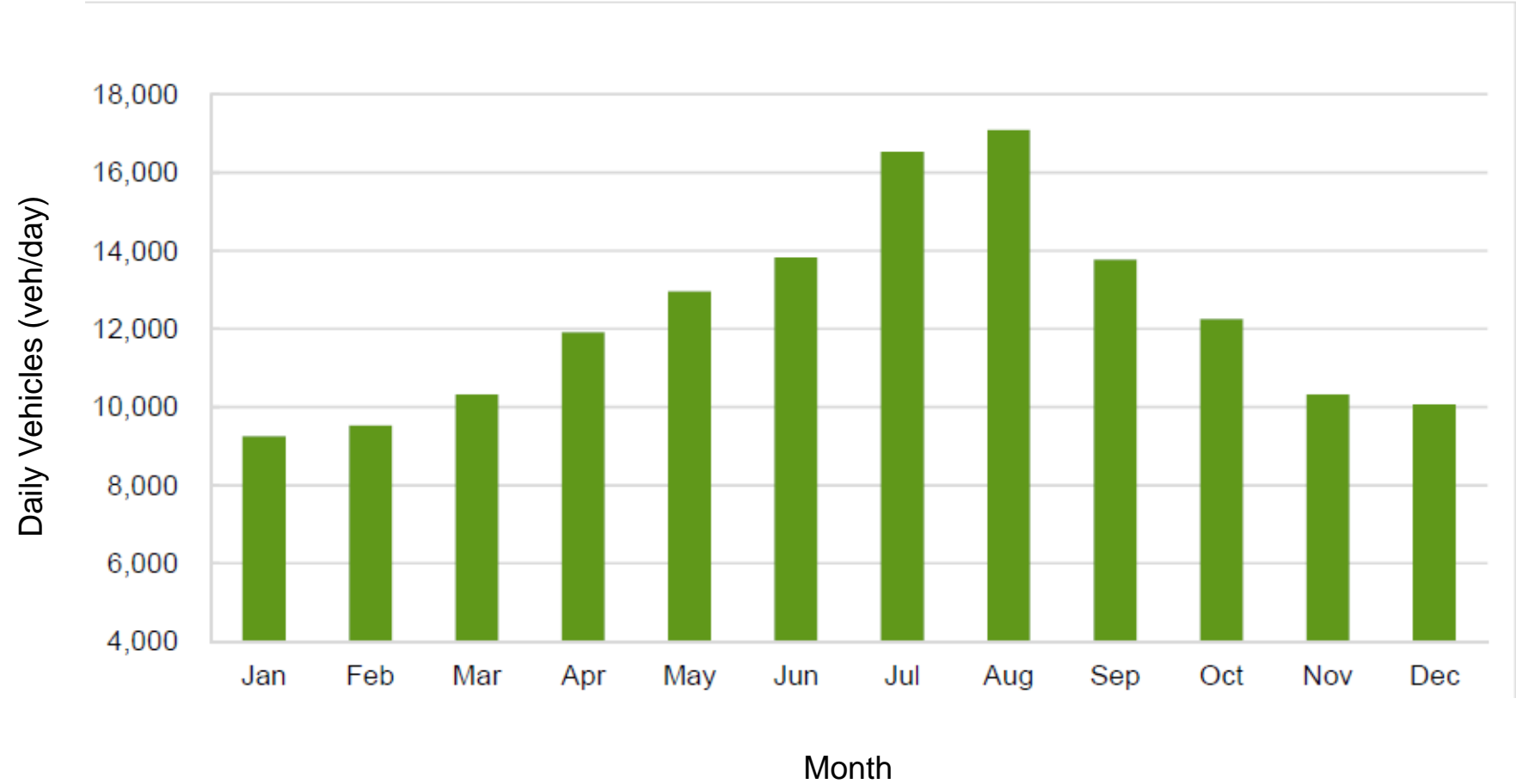
- Electoral Area F: 4,000
- Enderby: 2,964
- IR2 Enderby: 316

Source: 2016 Census

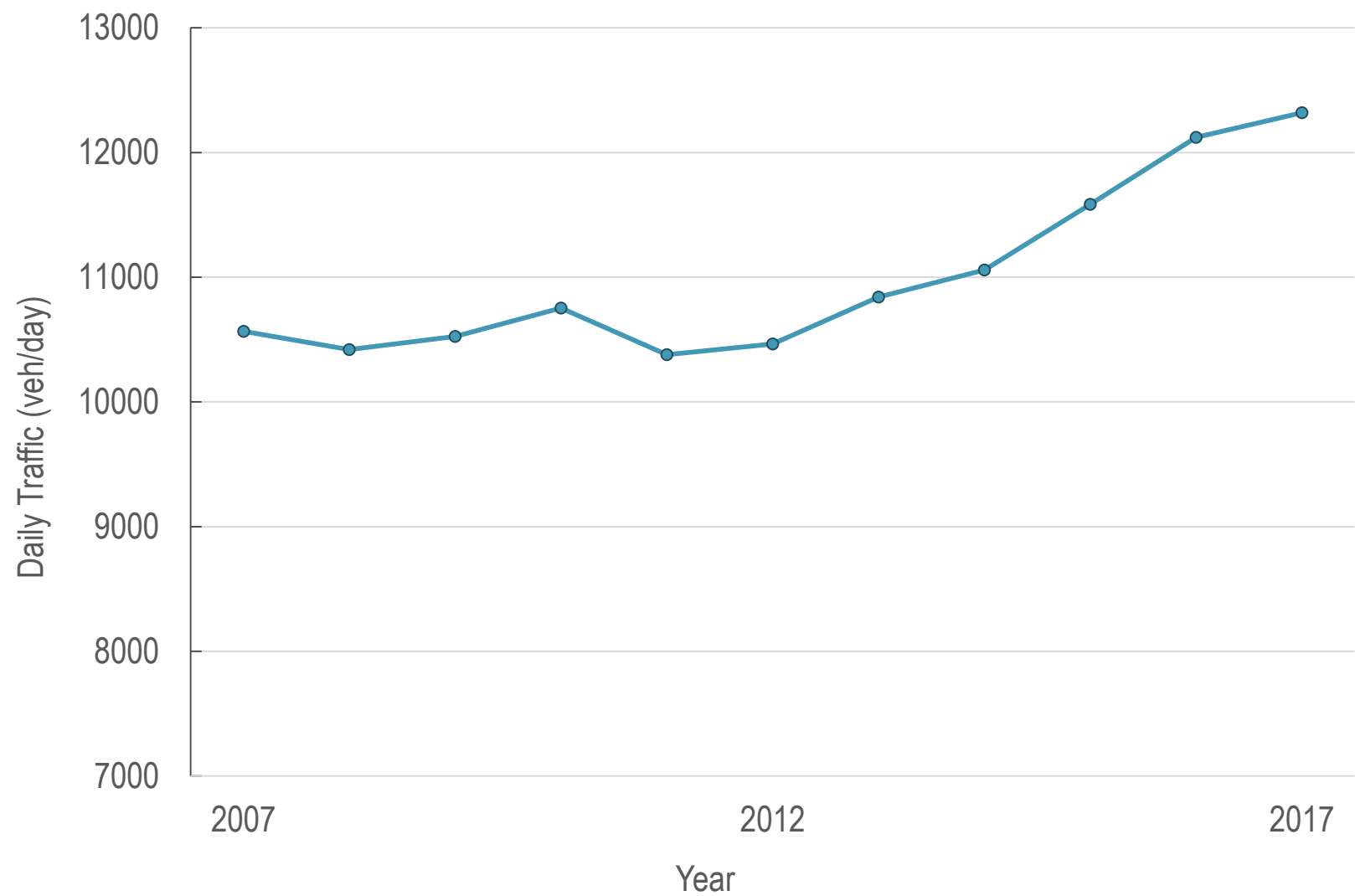
- Historic annual growth rate of 0.43%
- Future population growth assumed to be 0.5% annually



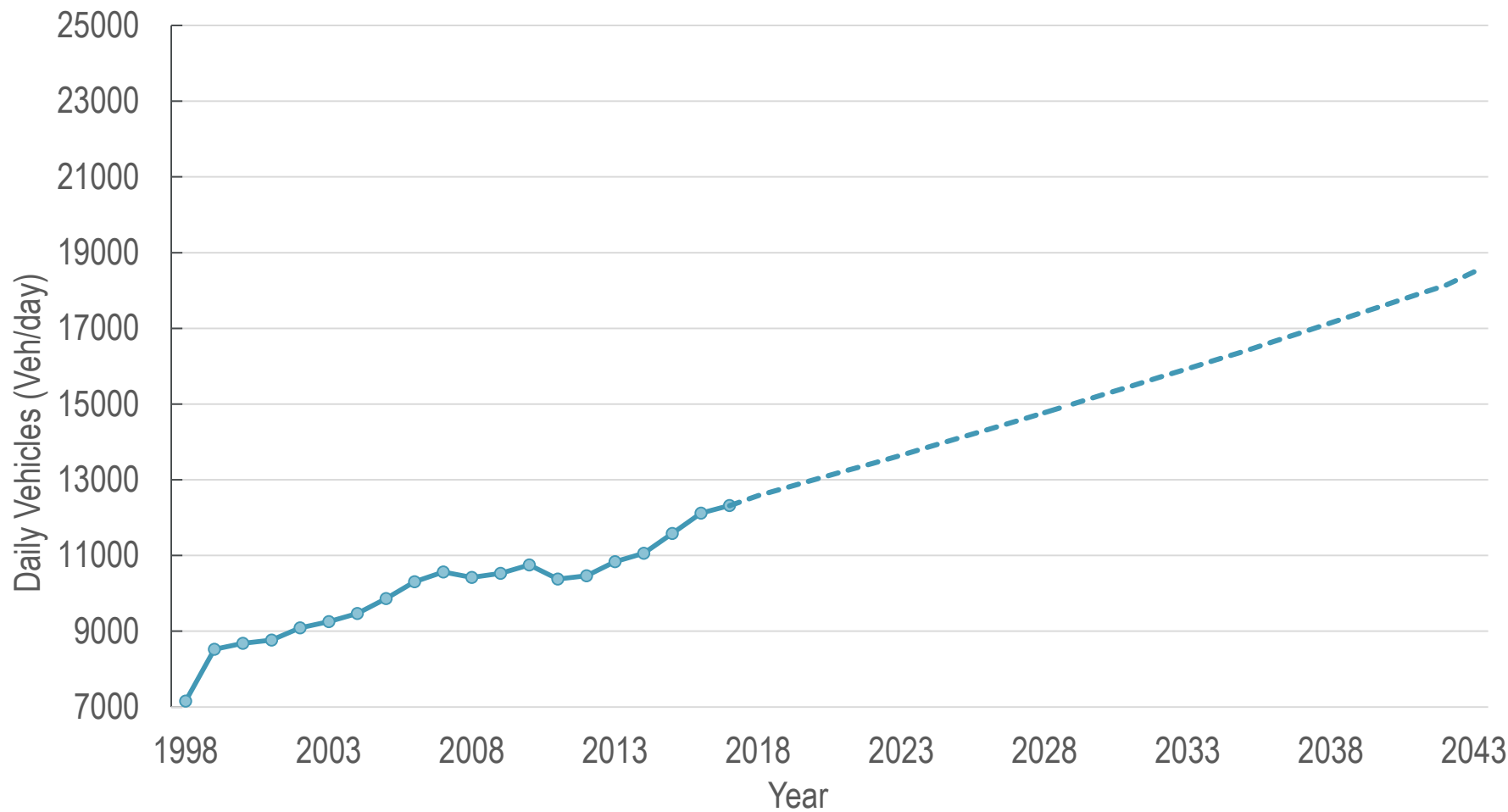
# Highway Use – Monthly Traffic



# Historical Traffic Growth (South of Study Area)

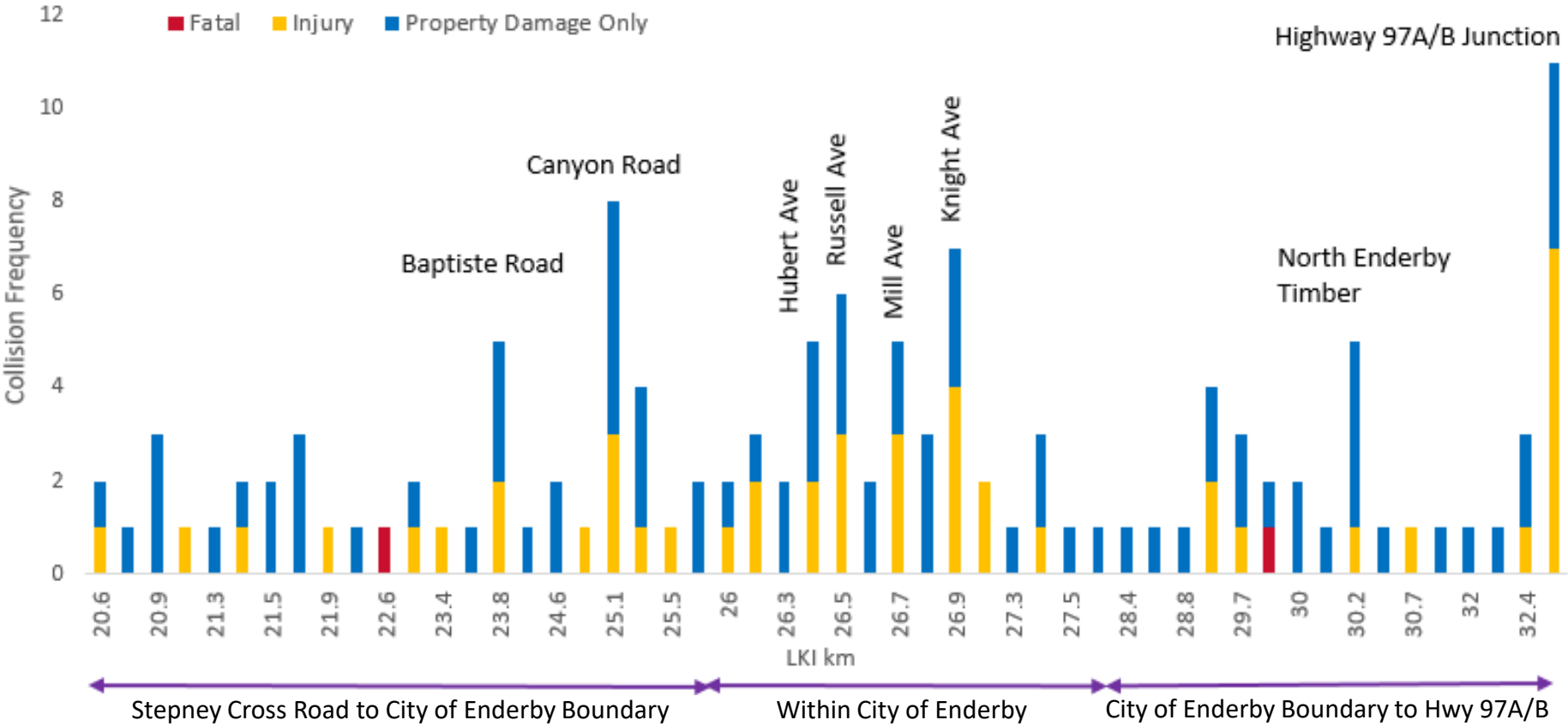


# Traffic Forecast (Average Daily Traffic)



North of Stepney Road

# Safety – Reported Collisions (2012 – 2016)



# Current Highway Operation

## ▪ North and South of Enderby

- Highway near capacity– very few gaps in traffic; most of the time is spent following other vehicles
- Turns from side streets are difficult, particularly in summer

## ▪ Within Enderby

- Signalized intersections at Highway 97A and Mill Avenue and Hubert Avenue
- Some intersections with movements moderate delays but overall intersections work well
- Left turns onto the highway at unsignalized intersections can have long delays





# Community Connections

## ▪ Walking and Cycling

- A trail is provided on the west side of Highway 97A, south of Enderby
- Areas of poor pedestrian and cyclist comfort
- High traffic volumes make crossing the highway difficult except at traffic signals or marked crosswalks

## ▪ Transit

- Route 60 – to Armstrong and Vernon
- Route 11 – to Salmon Arm (Wed. only)
- ~20 people/day commuting via transit

## ▪ Business and Local Network Access

- High delays at unsignalized intersections
- Lefts turns to and from the highway are difficult
- Highway is a barrier to local movement



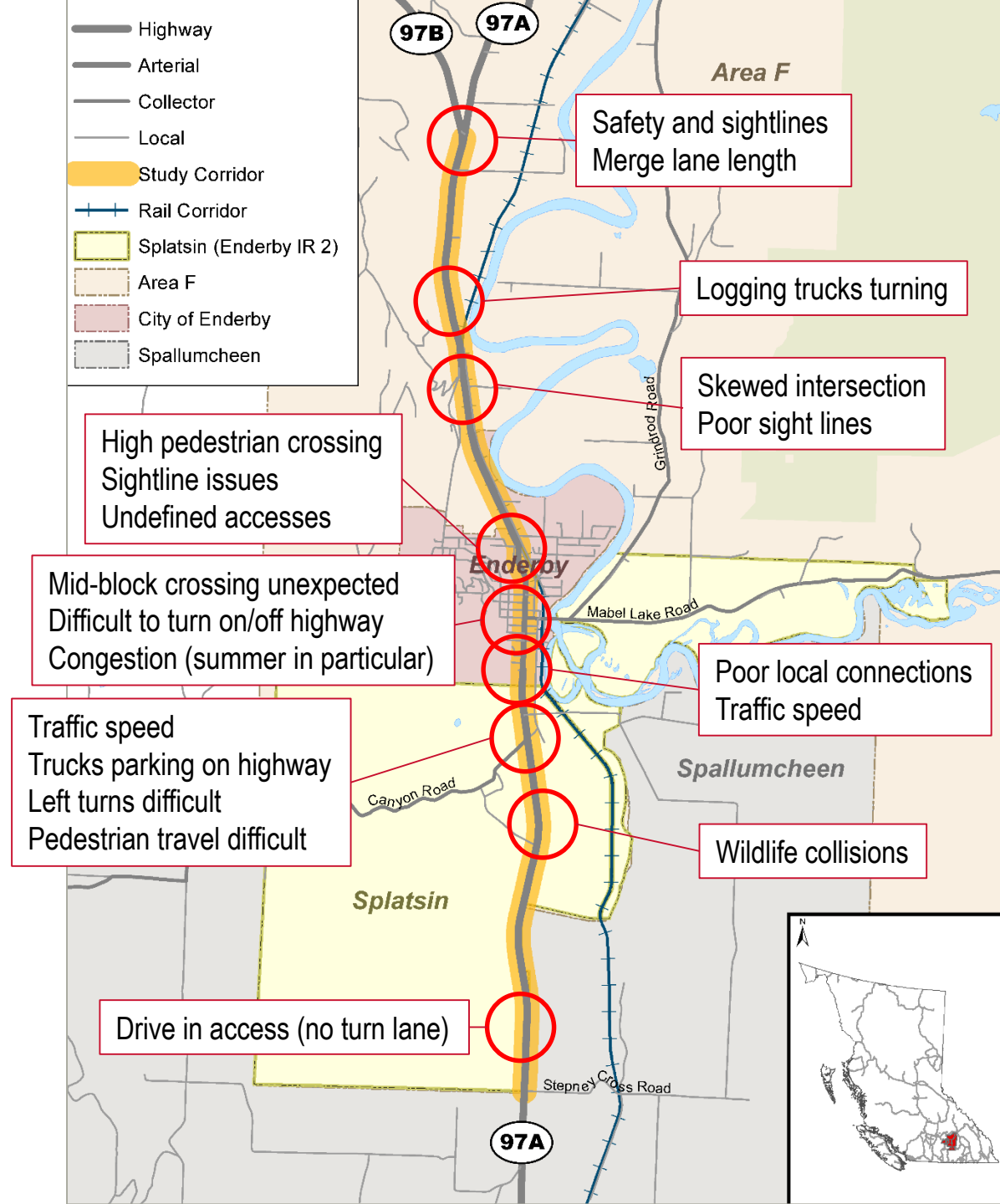
# Issues Identification

- Technical Analysis (Existing and Future Conditions)
- Past Studies
- Technical Advisory Committee (TAC)
  - technical representatives from local governments, First Nations and utilities to assist in the planning process
- Community Liaison Committee (CLC)
  - representatives of key stakeholder groups, including Splatshin, School District No. 83, Interior Health, RCMP, Enderby District Chamber of Commerce, and BC Transit.
- Tonight's Workshop



# Issues Identification

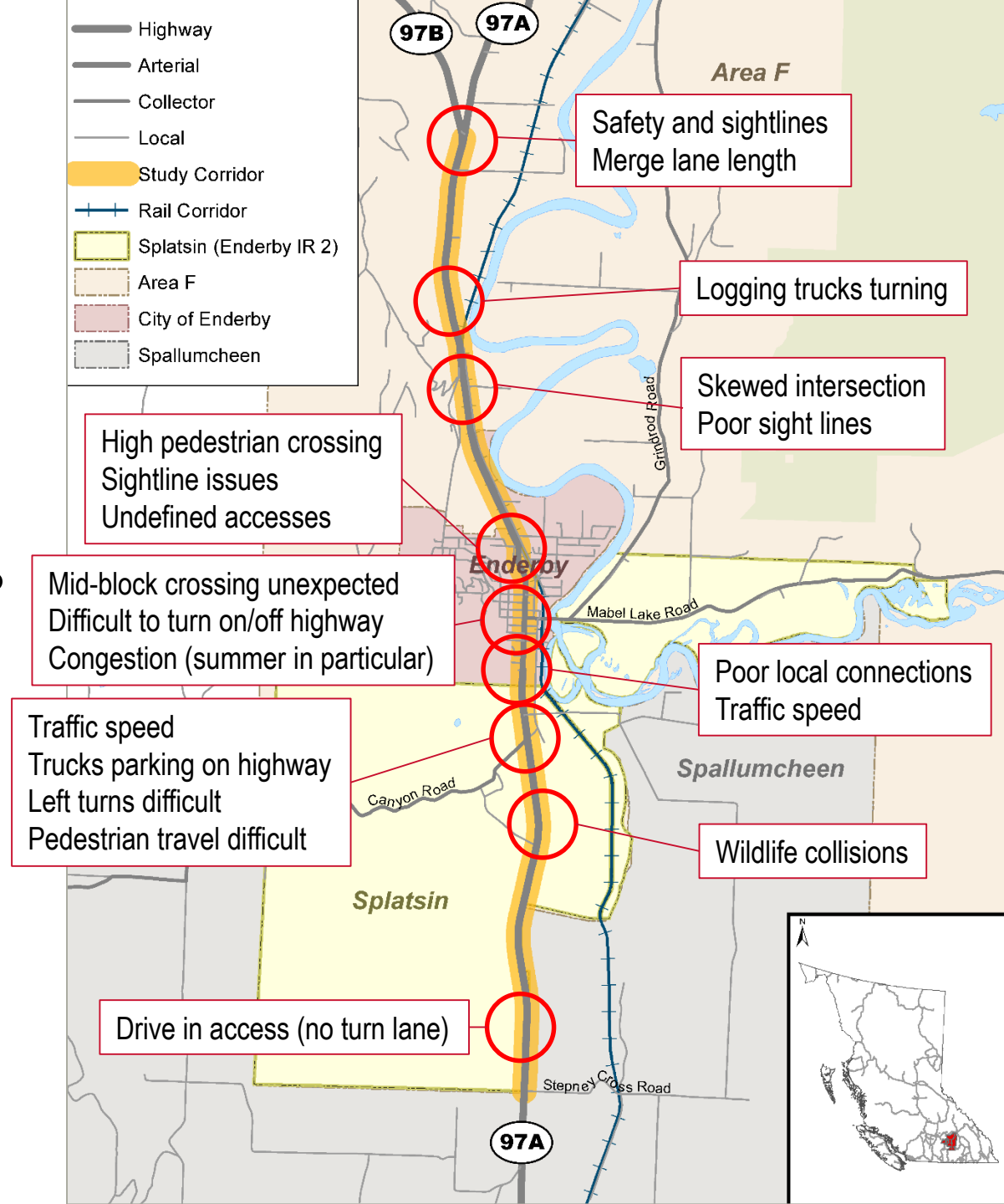
- Identified by Technical Advisory Committee (TAC) and Community Liaison Committee (CLC)
- Types of Issues:
  - Safety and comfort
  - Vehicle speeds
  - Long delays at intersections
  - Pedestrian and bike travel
  - Community connectivity
  - Business access
  - Future development areas
- Map shows examples and major themes, not a complete listing of all issues



# Issues Identification - Breakout

Over the next 15 minutes:

1. Take a moment to review the identified issues.
2. Which to you agree with?  
Please place checkmark next to them.
3. Are there any missing issues?  
Please identify them on the map.



# Guiding Principles & Historical Options

# Role of the Highway

“The role of Highway 97A in the study area is to provide safe and efficient mobility for through traffic, balanced with the community access and connectivity needs of the Enderby and Splatkin communities.”



# Guiding Principles

1. Safe
2. Efficient Mobility
3. Multi-Modal Corridor
4. Economic Development and Property Access
5. Local Connectivity

# Previous Studies

- **Provincial / Regional**

- North Okanagan Shuswap Corridor Management Plan (2001)
- Highway 97 Enderby Concept Development (2005)
- Highway 97 Bypass Assessment (2011)
- BC Transit North Okanagan Transit Future Plan (2014)
- Enderby Data Collection Program (2018)

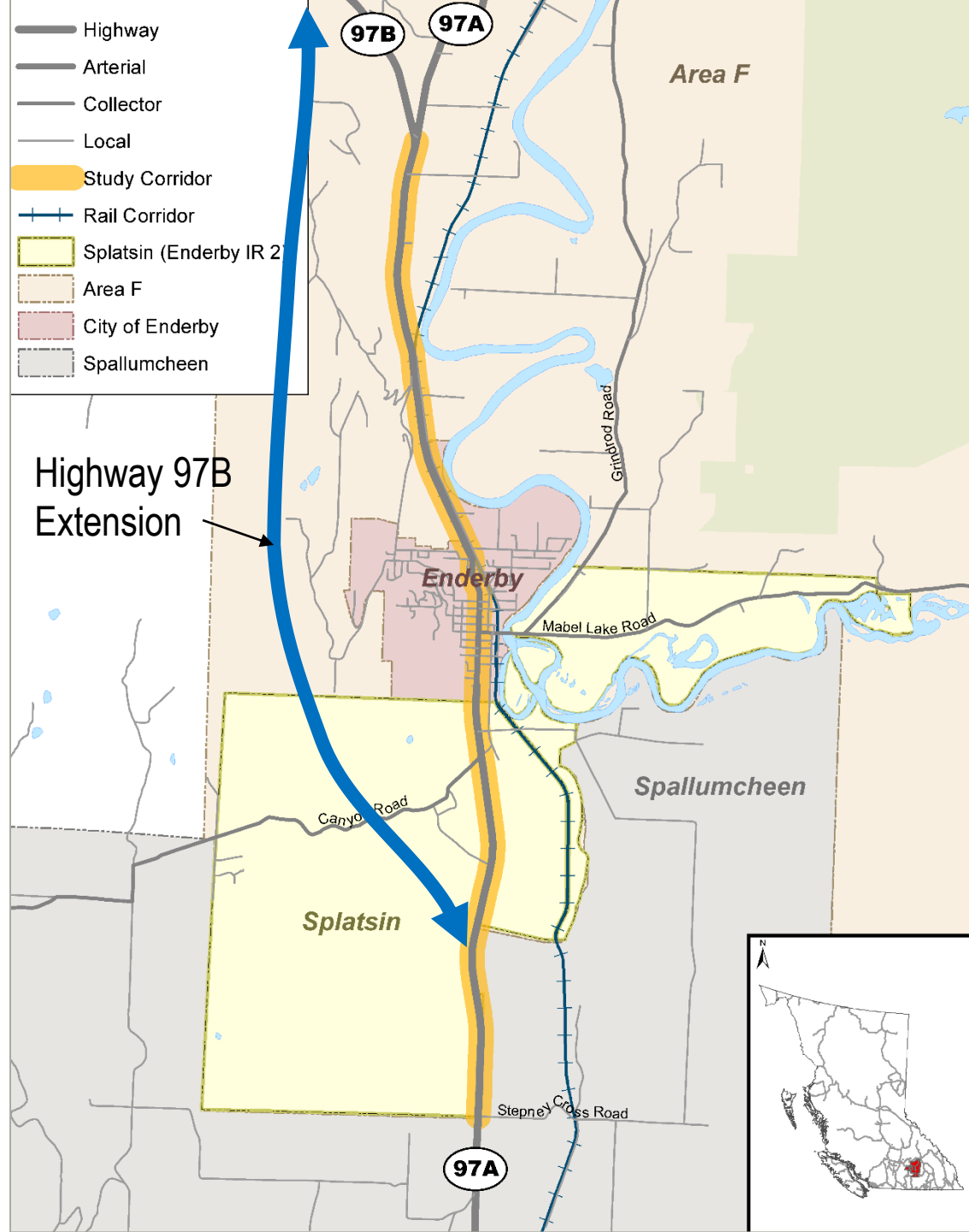
- **Local**

- Highway 97A – Enderby Concept Development Report (2005)
- Highway 97A Enderby Interim Report (2008)
- Enderby – Splat sin Active Transportation Plan (2014)
- Enderby – Splat sin Riverwalk Extension and Enhancement Plan (2015)
- Highway 97A / Canyon Road Intersection Study (2019)

# Historical Options – Alternate Alignment

## North Okanagan - Shuswap Corridor Management Plan (2001)

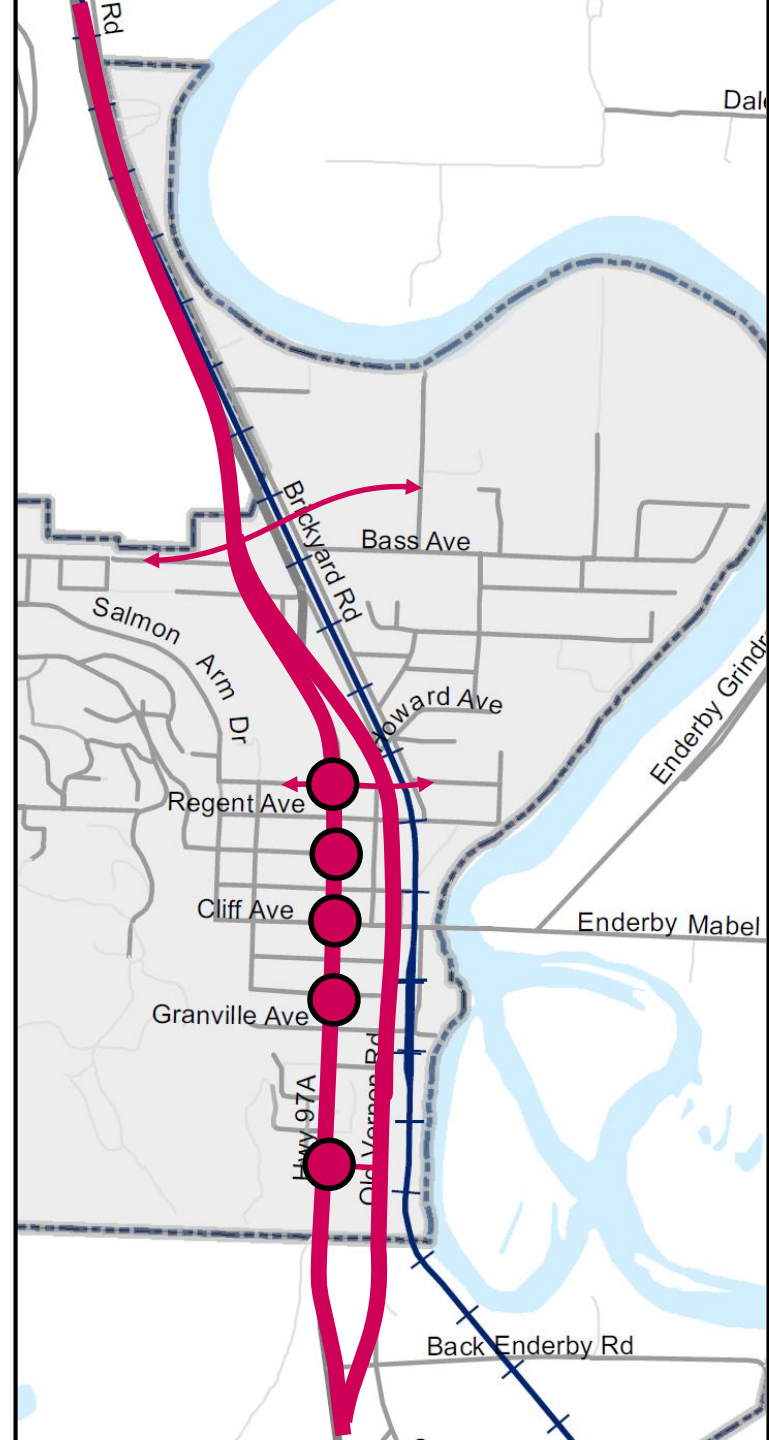
- New highway
  - 2-lane rural highway





# North Okanagan - Shuswap Corridor Management Plan (2001)

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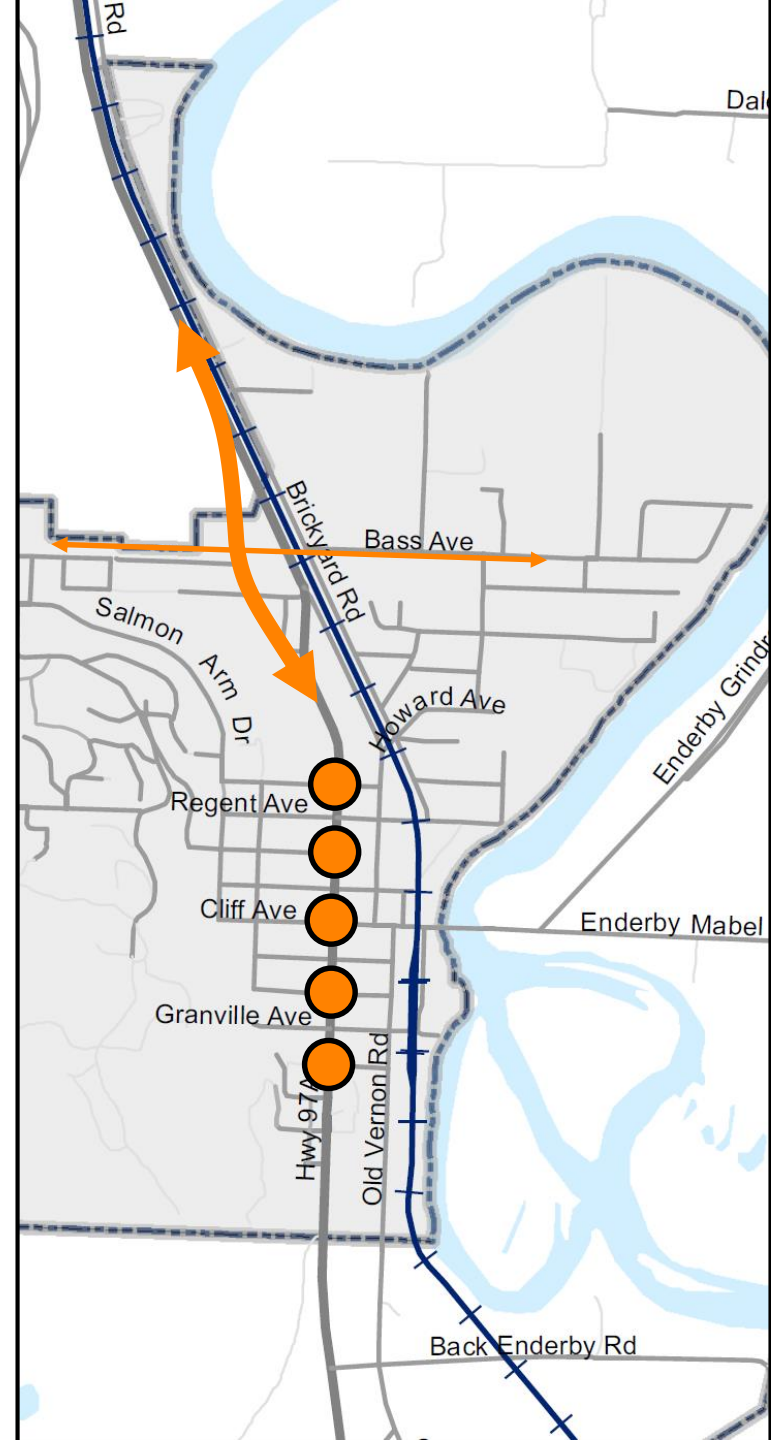


# Historical Options – Enderby

## Highway 97A Enderby Concept Development Report (2005)

### ▪ Existing Corridor

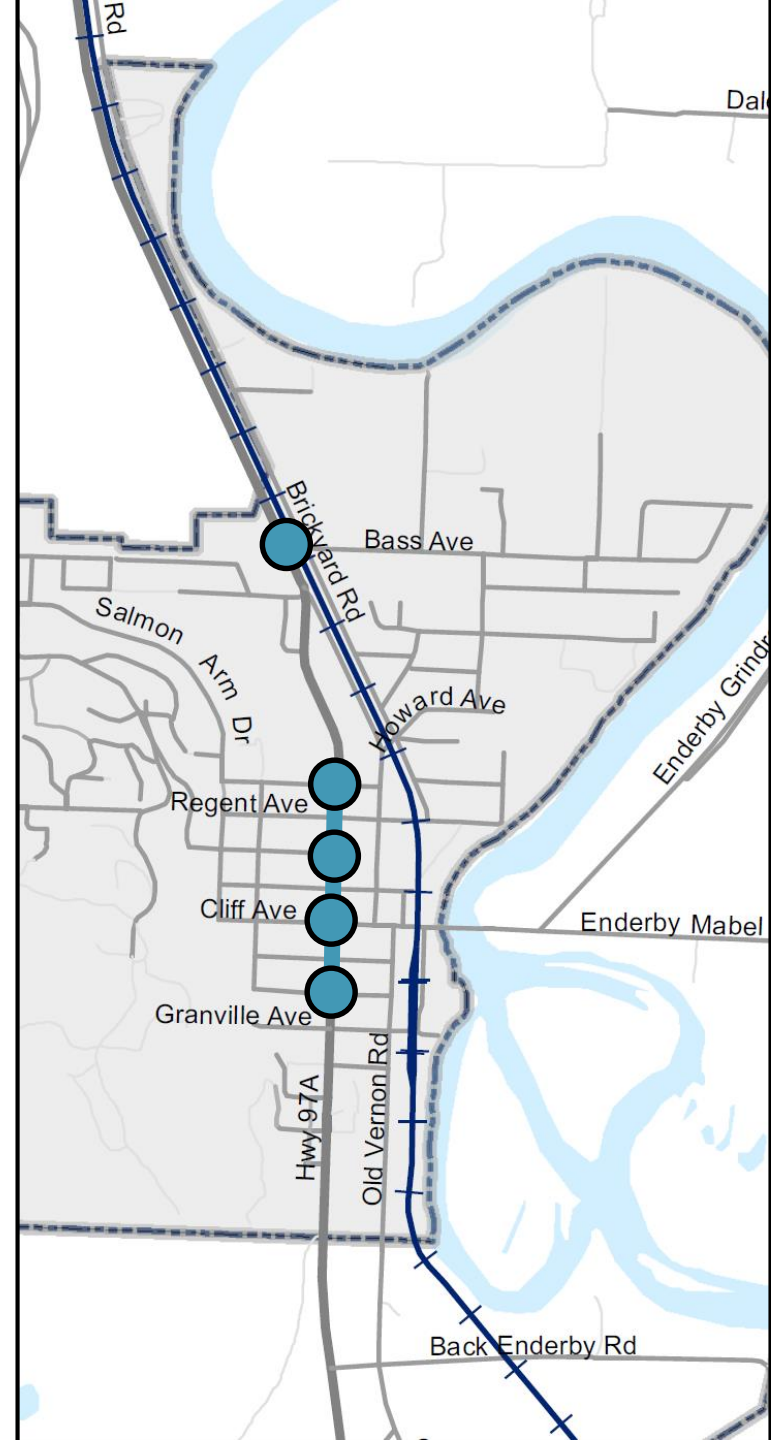
- Realignment of highway at Bass Avenue (assumed railway was still in place)
- Left turn lanes and other intersection improvements



# Historical Options - Enderby

## Highway 97A Enderby – Interim Report #3 (2008)

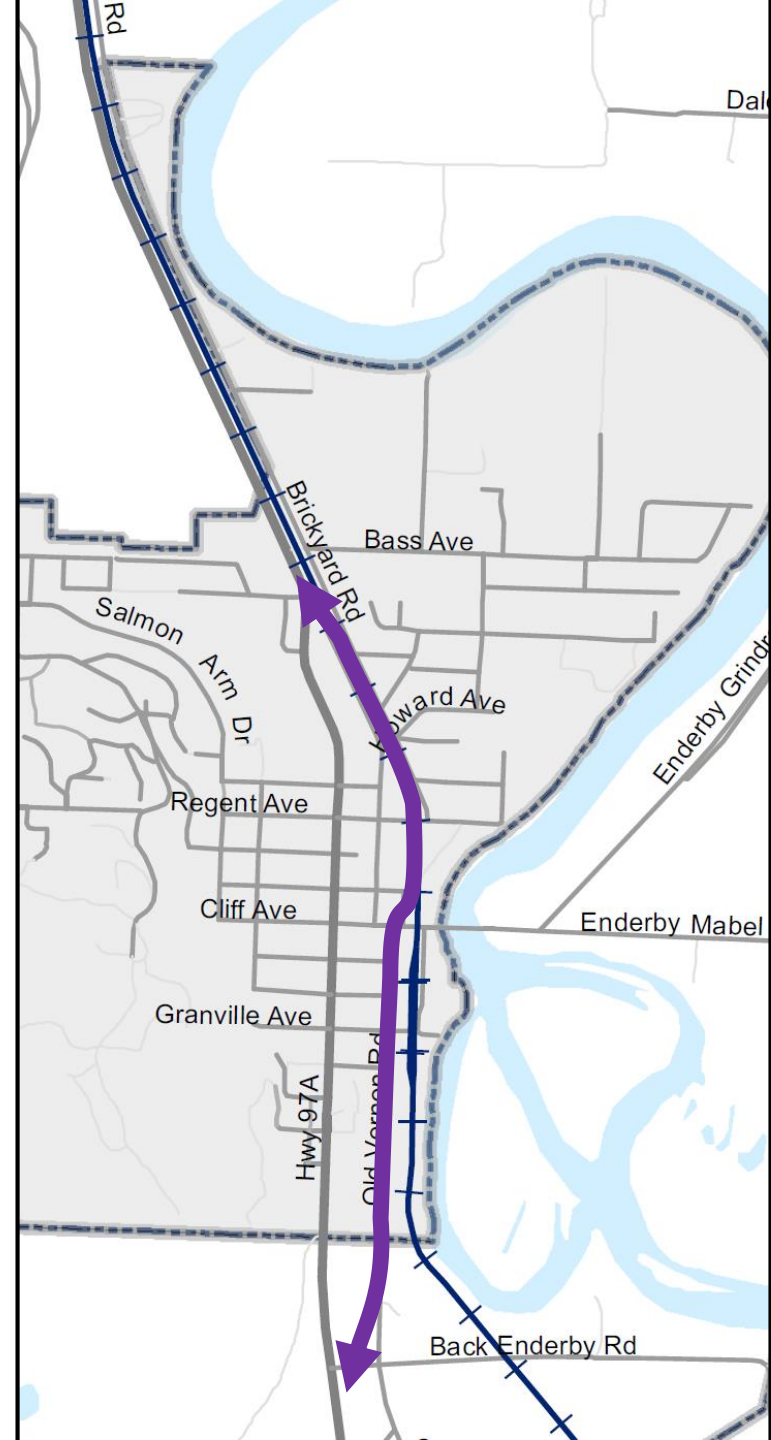
- 2, 3 and 4 lane options between Hubert and Knight
  - With associated intersection improvements at Hubert, Cliff, Stanley and Knight
  - Extension of Bass Avenue and new signal



# Historical Options – Enderby

## Enderby Official Community Plan (2014)

- New major collector
  - Existing highway corridor remains



## **Historical Options - Breakout**

- Review the historical options
- What are some environmental, economic development, community connection considerations for each option?
- What other ideas do you have?
- Report back