## **Trans-Canada Highway 1** Chase Four-Laning Project

# Project Update Update to Chase Area Residents January 2021





# Project Overview







## The Chase Four-Laning Project will increase safety, capacity and reliability and will provide safer connections to local roads and businesses.

- Total budget \$260.3 million
- Provincial Contribution \$248.2 million
- Federal Contribution \$12.1 million
- Approximately 4.9km of Trans-Canada Highway 1 upgrade from two lanes to four
- Eastern Limit: Chase Creek Bridge



Trans-Canada Highway 1 Chase Four-Laning Project

• Western Limit: Neskonlith Indian Band (NIB) IR#2





### Infrastructure Planning

### Data Collection

**Problem Definition & Condition Assessments** 

**Concept Generation** & Assessment

Initiate Archaeological, Cultural, Geotechnical, and **Environmental Assessments** 

First Nations, Local **Government and Stakeholder** Engagement

#### Concept Plan

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reliminary esign	Functional Design
planning solution and geometric design	Refine Preliminary Design
ced Archeological, al, Geotechnical, and nmental Assessments	Ground Survey Continue Investigations & Design for Geotechnical,
Analysis	Structural, Electrical, Traffic, Environmental, Hydrotechnical, Arch Impact, and Property Impacts
ations, Local nment and Stakeholder ement	Value Analysis
ess Case	First Nations, Local Government and Stakeholder
al Partnerships	Engagement (Chase East 2017)

Trans-Canada Highway 1 Chase Four-Laning Project

#### **Chase West to Chase Creek Bridge (Chase East)**

## Detailed Design

### Finalize Design

Tender Drawings and specifications

**Environmental Permitting** 

**Property Acquisitions** 

First Nations, Local **Government and Stakeholder** Engagement (Chase West 2017)

Value Analysis

### **Chase Creek Road to Chase** West (Chase West)

## Tender & Construction

Advertise on Public Sites for Bids

Construction

Archaeological, Cultural, Spiritual, and Environmental Monitoring

Public Communications including Project Updates and Impact Notifications

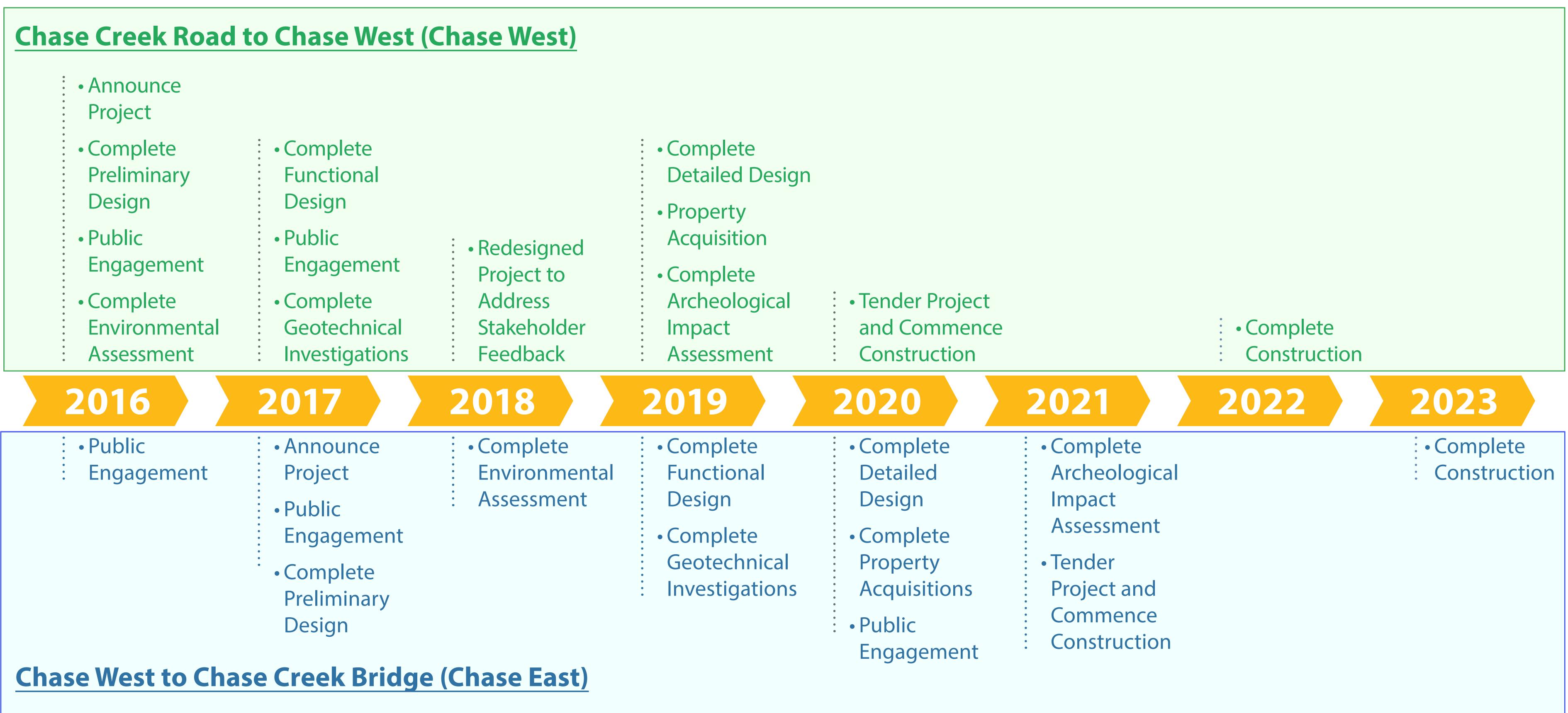




# Project Schedule

Delivery of the Highway 1 Chase Four-Laning is split into two phases. Each will follow a separate, but coordinated schedule, with construction starting in 2020.

### **Current delivery schedule:**













# Planning for Trans-Canada Highway Improvements 5

Factors We Consider:	
	<b>Safety</b> – how will the concept p
d T	Archaeological and Cultural
Å A D	<b>Pedestrians and Cyclists</b> – ho
\$	Local Economic Conditions –
<b>HOLE</b>	<b>Traffic Volumes and Patterns</b>
QQQ	<b>Environment and Climate Cha</b>
	<b>Property Impacts</b> – what are t
X PR	Estimated Cost vs. Benefits –
	<b>Constructability</b> – what design



perform in terms of traffic operation, safety, access, reliability on the TCH?

– what is the history of this area?

ow will the concept enhance pedestrian and cyclist safety and connectivity?

how can signage and other design elements support local economic development?

– how will future travel demands impact highway improvements?

**ange** – what is the impact to the local environment?

the impacts to residential, commercial and farm land and how do we limit those impacts?

is it a good investment of taxpayers' dollars? how will the project support the economy?

In makes construction the most feasible? how do geotechnical conditions impact design flexibility?









# **Public Engagement –** Feedback Incorporated

# Thanks to ongoing community input, several changes were incorporated into the projects, including:

## **Chase Creek Road to Chase West (Chase West)**



### Safety, Access and Traffic Flow

Moved planned Shuswap Avenue intersection closer to Chase



### **Active Transportation**

- Transform existing highway into low volume frontage road and active transportation route
- Added highway pedestrian underpass to connect Chase to the Neskonlith Community



#### **Business Access**

• Designed safe highway access/egress for commercial trucks



#### **Property Impacts**

- Designed Protected T intersections to reduce property impacts
- Mitigated potentially negative impacts to ALR



#### **Construction Impacts**

- Specified night time blasting to minimize traffic and business obstructions
- Restricted highway closures during peak commuting times





### Safety, Access and Traffic Flow

- Shuswap Avenue

### **Active Transportation**

- network

### **Business Access**

### **Property impacts**

business impacts

### **Emergency Vehicle Access**

- and Highway 1

## Trans-Canada Highway 1 Chase Four-Laning Project





### **Chase West to Chase Creek Bridge (Chase East)**

• Provided full-movement interchange at Brooke Drive

Increased traffic and pedestrian improvements along Brooke Drive to

Added pedestrian connectivity from Brooke Drive to Foothills Road and trail

Added pedestrian connectivity across Chase Creek to trail network

Added sidewalk width on east side of Brooke Drive

• Developed Brooke Drive to enhance connection to local businesses • Designed safe and efficient highway access/egress for commercial trucks

• Retained interchange location at Brooke Drive to minimize property and

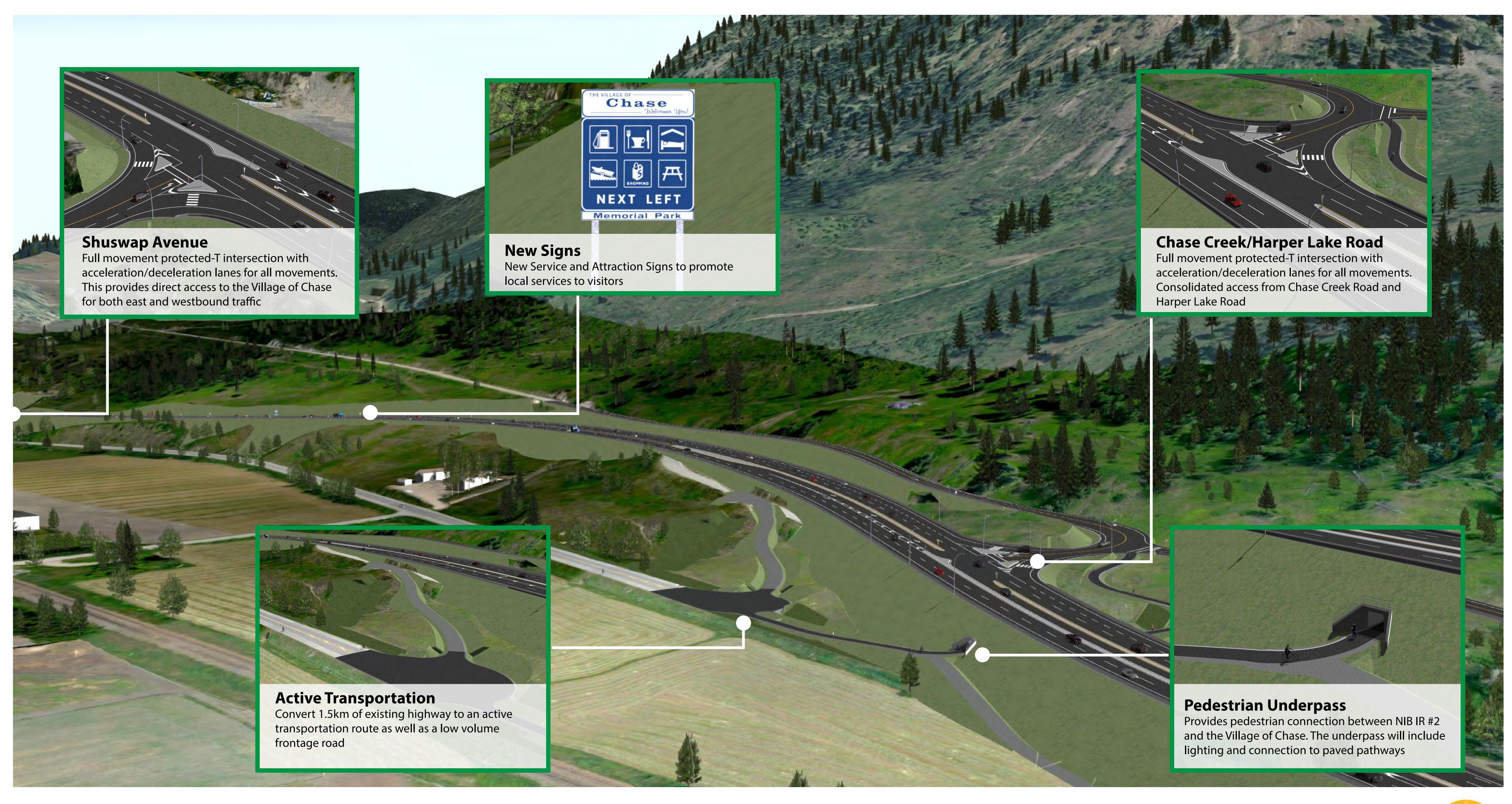
• Developed emergency vehicle access gate at the intersection of Coburn Street

Maintained direct highway access for RCMP



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# **Chase Creek Road to Chase West (Chase West)** Key Design Features











# **Chase West to Chase Creek Bridge (Chase East)** Key Design Features





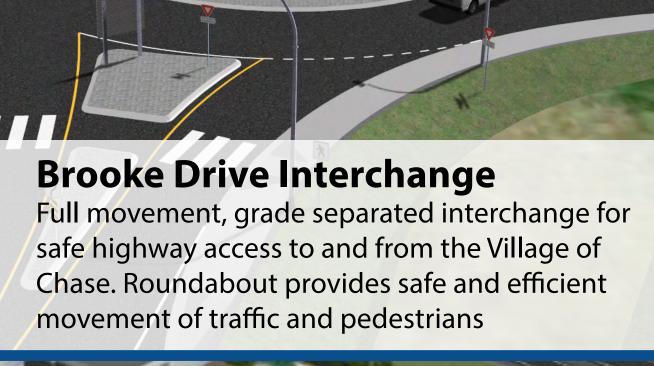
**Chase Plaza** Full movement, single stop-controlled intersection with pedestrian crosswalk

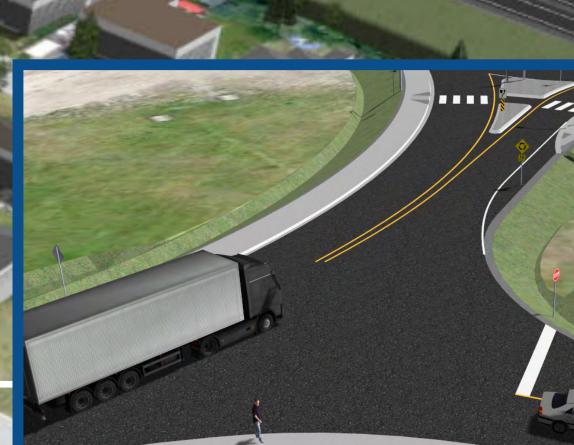


**Raised pedestrian crosswalk** 

**Continuous pedestrian** sidewalk from Shuswap **Avenue to Foothills Road** 





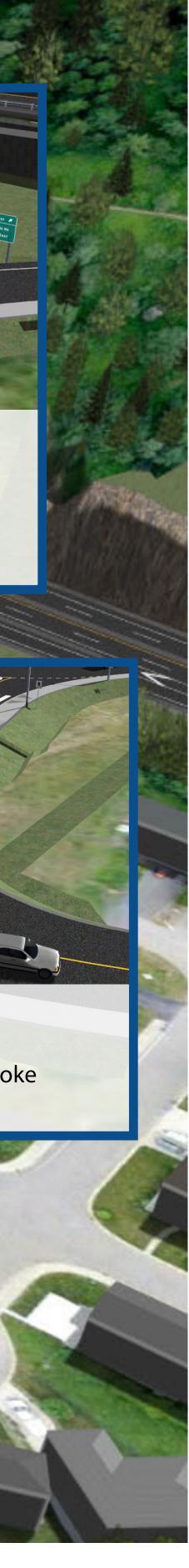


**Residential Brooke Drive** Creation of a full movement, single stopcontrolled intersection with access to Brooke Drive (Commercial).











# **Chase Creek Road to Chase West:** Construction



Schedule: Construction start - August 2020. Construction completion - Fall 2022. Blasting work commenced in November 2020 and will extend throughout the winter months. Refer to DriveBC for information on highway closures: drivebc.ca. Prime Contractor: **Dawson Civil Ltd.** 

Phone: 250-682-1512



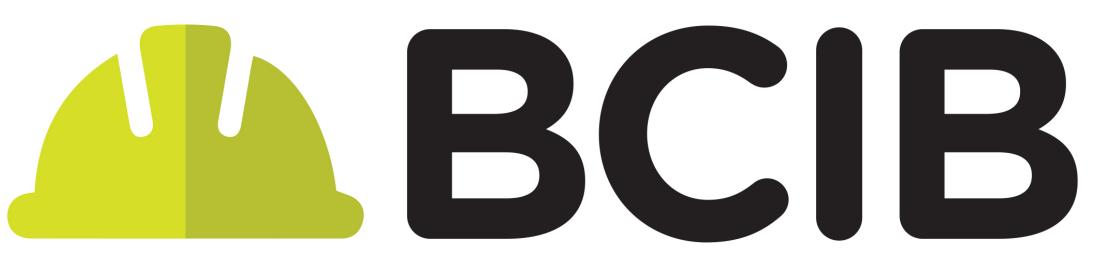






# Work on the Project

## The Chase Four-Laning Project will be delivered under the Province's Community Benefits Agreement (CBA).



**British Columbia Infrastructure Benefits** 

## **BC Infrastructure Benefits (BCIB) is responsible for** implementing the CBA for the project and will be the employer for unionized workers on the project.

The CBA prioritizes hiring of local, Indigenous Peoples, women, people with disabilities and other underrepresented groups and enables a culturally competent and respectful worksite. Through BCIB, this project will grow and mobilize a safe, diverse and skilled workforce and increase opportunities for apprenticeships.

To apply for work on the project, or to learn more about BCIB, please visit www.bcib.ca.









Trans-Canada Highway 1 Chase Four-Laning Project



## **Current BCIB Projects**







TRANS CANADA HWY 4 LANING

PATULLO BRIDGE

**BROADWAY SUBWAY** PROJECT







## **Trans-Canada Highway 1** Chase Four-Laning Project

# Thank-you!

## If you have any questions, please contact: chasefourlaning@gov.bc.ca or Maike Schimpf, Senior Project Manager at 778-362-4568







Project information is available at: bchwy1.ca