

Monthly Status Report

Reporting Period: June 2020

1. Project Dashboard

		Objectives	Overall Project	DB Contract	Owner/Other Works	Comments
Project Delivery	Scope	Meet the approved scope.	●	●	●	The project includes the widening of 4.8km of Highway 1 to a 4-lane 100km/hr standard.
	Schedule	Delivered within the approved schedule.	●	●	●	The Project is on schedule to be completed by Winter 2023/2024.
	Budget	Delivered within the approved budget.	●	●	●	The Project has an approved capital budget of \$601 million and continues to track on budget.
	Safety	Take every reasonable step to ensure that our work is performed safely and in compliance with all applicable safety regulations, and in accordance with government policy.	●	●	●	The Project is defining Health and Safety requirements within PMP. Workplace OHS committee in place and active. Monitoring of COVID-19 situation is ongoing.
	Quality	Implement an effective Quality Management System.	●	●	●	Quality Management Plan developed
	Environmental	Ensure our work is performed in an environmentally responsible manner.	●	●	●	No environmental or regulatory issues.
	Archaeology	Ensure the work is performed in a manner that meets the standards of the Heritage Conservation Act.	●	●	●	Project has implemented a program with an Archaeologist to ensure these requirements are met.
	Operations	Implement improvements to the Alternate Route along H93/95	●	●	●	Work is on schedule to meet the Project Implementation.
	Property Acquisition	Acquire any required property in time for construction.	●	●	●	No property acquisition identified at this time. Project is on Crown Land.
	Community Benefits	Work collaboratively with BCIB and successfully implement the Community Benefits Agreement.	●	●	●	Project Team working closely with BCIB through the procurement process.
Partners/Stakeholders	Indigenous Groups	Continue to build and maintain a positive collaborative working relationship.	●	●	●	Project Team is actively engaging Indigenous Groups during procurement process.
	Third Parties	Continue to build and maintain positive relationships and secure agreements with Project partners and other third parties.	●	●	●	Early and frequent engagement and advancing agreements with Project partners (railways, utilities, municipalities). BC Hydro working through Protocol Agreement.
	Public and Stakeholder Engagement	Continue to build and maintain positive relationships with the community and other stakeholders.	●	●	●	The Project Team continues to engage and work closely with stakeholders.

Status	Description
●	Not currently applicable, as the Project is in Procurement Phase
●	Managing critical issues, negotiating resolution; action required immediately
●	Managing some issues, negotiating resolution; action required in the near term
●	On track

2. Introduction

2.1 Project Overview

The Kicking Horse Canyon Project – Phase 4 (KHCP4) is located on the Trans-Canada Highway approximately 4 km east of the Highway 95 junction at Golden BC. It is the final phase of the 26 km-long Kicking Horse Canyon Project which has been incrementally improving the highway to a modern four lane standard at a 100 km/h design speed, including bridge replacements and natural hazard reduction features to improve safety and reliability. The scope of work includes:

- Widening 4 km of two lane and 0.8 km of three lane highway to four lanes;
- Highway realignment to a 100 km/h design speed;
- Installation of median barrier, wildlife exclusion fencing and passages;
- Provision of snow avalanche and rock fall hazard reduction measures; and
- Shoulder widening for cyclists.

2.2 Project Goals

Based on the Ministry's mandate and results of consultation to date, seven primary goals have been identified for the Project:

- **Transportation:** Improve highway safety, capacity, and reliability of the highway corridor.
- **Financial:** Plan and deliver the project, that meets the approved scope, schedule and budget targets cost effectively.
- **Environment:** Reduce wildlife collision rates and minimize impacts on future wildlife movements.
- **Economic Development:** Support the growth of the local and regional economy by improving highway safety and reliability and assist the efficient movement of people and goods along the project corridor.
- **Social and Communities:** Engage with Indigenous Communities, local communities and key stakeholders to identify opportunities, issues and information pathways that will inform the delivery of the project.
- **Deliverability:** Constructible and operable.

2.3 Key Milestones Achieved to Date

Project Delivery	Project Planning and Development	<ul style="list-style-type: none"> • Preliminary Design Report (2008) • Options Evaluation (2014) • Delivery Options Report (2016) • Business Case (2016) • Business Case Supplemental Memo (2019) • Cost Report (2019) • Risk Report (2019) • Budget Disclosure Statement
	Procurement	<ul style="list-style-type: none"> • Relationship Review Process Description (2019) • Relationship Review Consultant Protocol (2019) • Design-Build RFQ Closed November 2019 • Archaeology RFP Closed January 2019 • Design-Build RFP Issued December 2019
	Environmental	<ul style="list-style-type: none"> • Environmental Synopsis Report (2016) • Various Environmental Reports (2005 – 2016)
	Archaeology	<ul style="list-style-type: none"> • Completed Archaeological and Heritage Resource Management Plan for Kicking Horse Canyon Phase 4 Project (May 2020)
	Operations	<ul style="list-style-type: none"> • Planning for Traffic Management and Closures during construction
	Technical	<ul style="list-style-type: none"> • Reference concept design developed (2016) • Reference concept design updated (2019) • Various geotechnical reports (2005-2019)
	Community Benefits	<ul style="list-style-type: none"> • Community Benefits Agreement (July 2018) • BCIB Health and Safety Program (March 2020) • BCIB Apprenticeship and Training Targets (March 2020) • BCIB Sub-Appendix with the Kicking Horse Project Information (March 2020) • BCIB – AIRCC Enabling Agreement Executed (May 2020)
Partners/ Stakeholders	Indigenous Groups	<ul style="list-style-type: none"> • Ongoing engagement and consultation
	Third Parties	<ul style="list-style-type: none"> • Contribution Agreement – Government of Canada (2017)
	Public and Stakeholder Engagement Third Parties	<ul style="list-style-type: none"> • Community Liaison Committee established (2018) • Held Public Information Sessions in Golden and Radium (2019) • Held public presentations to various stakeholders (2019-2020)

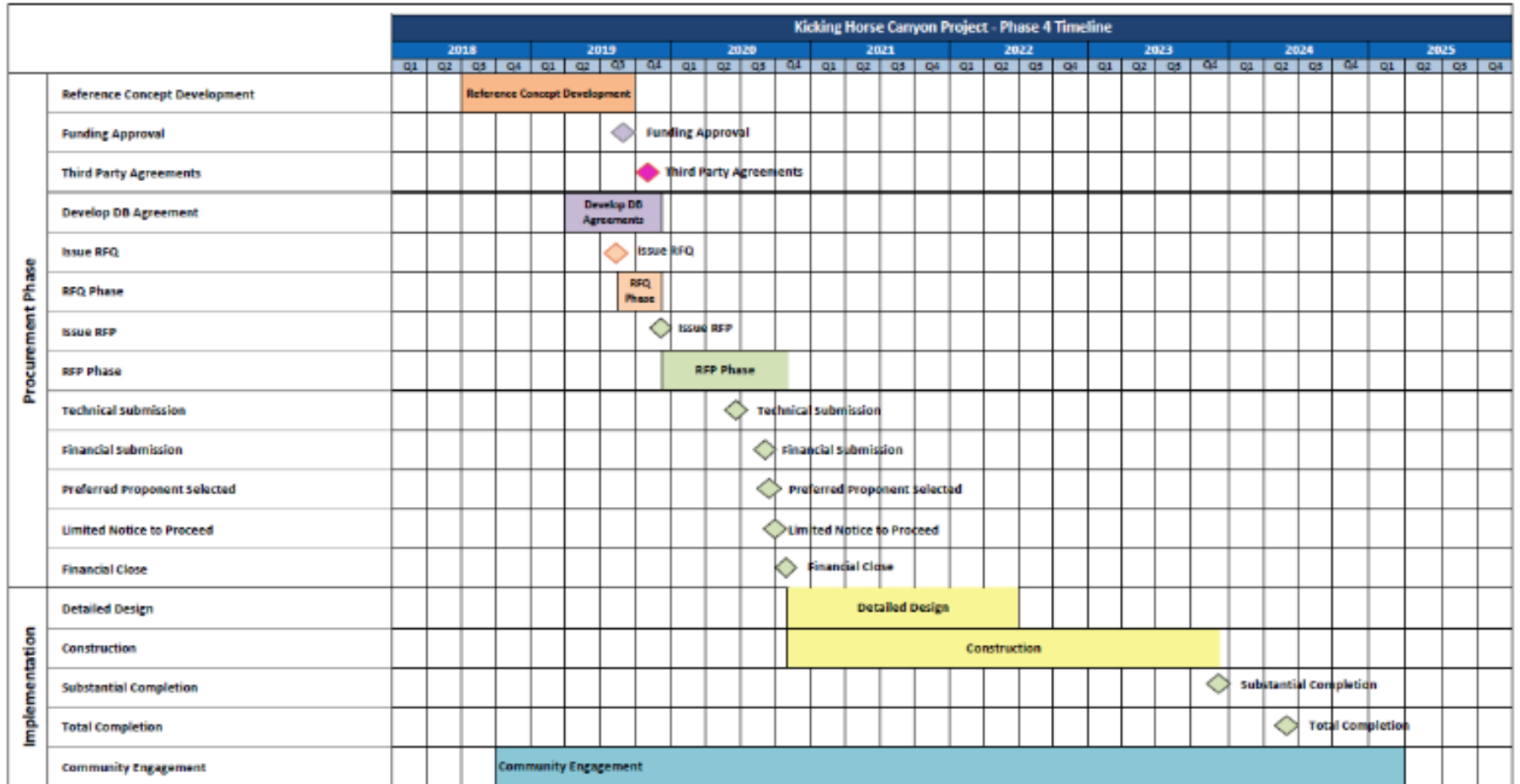
2.4 June Highlights

Project Delivery	Project Management	<ul style="list-style-type: none"> Align project controls processes with Transportation Investment Corporation plans and policies
	Safety	<ul style="list-style-type: none"> Review and input into definitive DBA including Schedule 10 and Schedule 4 Review and input into RFP Proponent Evaluations Team and subject specific meetings
	Quality	<ul style="list-style-type: none"> Finalize the Annual Audit Plan Finalize the Avalanche Discipline Audit Participating in the Technical Submissions
	Procurement	<ul style="list-style-type: none"> Received Interim Workforce Requirements from Proponents Finalized and issued Technical Evaluation Manual Established Physical and Virtual Evaluation Spaces Received Technical Submittals from Proponents Initiated Technical Evaluation Continued communications via RFI and Topic Meetings with Proponents
	Environmental	<ul style="list-style-type: none"> DBA updates Completed second field visit for amphibian and wildlife tree surveys Completed monthly water quality monitoring at Dart Creek
	Archaeology	<ul style="list-style-type: none"> Completed Shifts 3, 4, and 5 Submitted reports for Shift 3 and 4, and May Archaeology Status Report. Submitted Alteration Permit application and Inspection Permit amendment to the Archaeology Branch
	Operations	<ul style="list-style-type: none"> Development of sign records for Alternate Route signage underway. Completion expected in mid-July. Electrical conduit installed for intersection upgrades at 9th Street S and 6th Street N. Parks Canada Agreement drafting continues Meeting held with Columbia Valley First Responders
	Technical	<ul style="list-style-type: none"> Technical Proposal received June 30, 2020

	Community Benefits	<ul style="list-style-type: none"> • Reviewed and posted a BCIB memo regarding intentions to revise camp standards by the date of technical submittals • Received interim workforce requirements from proponents • Conducted Topic Meeting with BCIB • Trans Canada Highway Kamloops to Alberta Border project interaction analysis • Obtained from BCIB and posted updated information about local workforce availability by trade with particular attention to Labourers
Partners/Stakeholders	Indigenous Groups	<ul style="list-style-type: none"> • Completed revised draft accommodation agreements with Secwepemc Nation and shared with their legal team • Continued to support the arch program and had all identified Indigenous Groups participate • Initiated the additional environmental survey (vegetation survey) with participation from the Indigenous Groups
	Third Parties	<ul style="list-style-type: none"> • BC Hydro - no change to 3rd party agreement, communication between proponents ongoing. Negotiating pre-purchase of temporary cable with BCH • Telus - no change to 3rd party agreement, communication between DB proponents ongoing • CP – continue meeting to resolve agreement and performance requirements
	Stakeholder Engagement	<ul style="list-style-type: none"> • Community Liaison Committee meeting #9 held June 3rd • Dart Creek Water user outreach • Columbia Valley First Responders outreach

3. Schedule

The following schedule depicts deliverables, milestones and associated dates and timelines for the planning and procurement phases of the Project, as well as anticipated construction timelines.



4. Project Delivery

4.1 Project Management

Scope:	<ul style="list-style-type: none">• Effectively manage Project's contracts, scope, schedule and cost• Implement and efficient document control and records management system• Ensure Project controls are governed by provincial policies such as the Ministry of Finance Capital Asset Management Framework (CAMF) and the Core Policy and Procedures Manual (CPPM)
Accomplished in Month:	<ul style="list-style-type: none">• Continued to update project plans• Participated in regular TI Corp Project Controls meetings to align processes and procedures along all projects• Managed transition to new status report templates
Key Activities for Next 3 Months:	<ul style="list-style-type: none">• Continue aligning project plans to Transportation Investment Corporation plans and policies• Monitor project schedule, scope, and budget through monthly reporting from Leads• Finalize Q4 Risk Memo• Update Project Management Plan and sub-plans

4.2 Safety

Scope:	<ul style="list-style-type: none">• Establish health and safety project delivery objectives and performance measures• Manage Project health and safety activities• Monitor relevant health and safety performance metrics• Ensure the Project complies with relevant WorkSafeBC regulations and government requirements• Identify specific health and safety roles and responsibilities• Outline relevant health and safety management processes and activities
Accomplished in Month:	<ul style="list-style-type: none">• Completed review and input into definitive DBA• Reference Concept construction schedule and cost estimation analysis and review
Key Activities for Next 3 Months:	<ul style="list-style-type: none">• Safety analysis for impacts of COVID 19• Input and review of implementation plans• Review and evaluation of Proponent Technical Submissions• Project schedule and cost estimate review

4.3 Quality

Scope:	<ul style="list-style-type: none">• Establish quality management objectives and processes• Monitor relevant quality management performance metrics• Identify specific quality management roles and responsibilities
Accomplished in Month:	<ul style="list-style-type: none">• Audit schedule completion• Evaluation orientation, meetings and review of criteria
Key Activities for Next 3 Months:	<ul style="list-style-type: none">• Evaluate for quality management in Technical Submissions• Audit Avalanche discipline• Audit project controls

4.4 Procurement

Scope:	<ul style="list-style-type: none">• Prepare and issue Request for Qualifications (RFQ)• Prepare and issue Request for Proposals (RFP)• Prepare Data Room for Proponents• Prepare Draft Project Agreement• Select Design-Build Contractor• Acting as Contact Person for all external communication with Proponents
Accomplished in Month:	<ul style="list-style-type: none">• Received Technical Submittals from Proponents• Established virtual and physical evaluation spaces• Provided training to evaluation team on the evaluation process• Conduct Completeness Review and distribute material to evaluation teams• Management of the RFI process and responses
Key Activities for Next 3 Months:	<ul style="list-style-type: none">• Complete Technical Submission evaluations• Issue invitations to Proponent(s) for Financial Submittal• Continue day-to-day correspondence and coordination with Proponents• Establish and manage Financial Evaluation Process• Finalize Financial Evaluation Report and recommend a Preferred Proponent• Sign BCIB Contractor and Sub-Contractor Agreements• Execute Limited Notice to Proceed (LNTP)

4.5 Environmental

Scope:	<ul style="list-style-type: none">• Complete environmental reviews• Finalize obligations for inclusion in the contract• Support Communications Team with stakeholder engagement
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	<ul style="list-style-type: none"> Finalize protection measures and explore alternate water source for Dart Creek
Accomplished in Month:	<ul style="list-style-type: none"> Wrapped up several RFIs and updates to the DBA Participated in Community Liaison Committee and meetings with stakeholders Monthly water sampling at Dart Creek Developed erosion and sediment control approach for archaeology investigations in the Dart Creek area Second round of amphibian and wildlife tree surveys completed
Key Activities for Next 3 Months:	<ul style="list-style-type: none"> Water sampling at Dart Creek on a monthly basis until September 2020. DBA / Addendum updates. Participation in technical evaluation. Completion of vegetation survey, including reporting on results.

4.6 Archaeology

Scope:	<ul style="list-style-type: none"> Managing, directing and undertaking all archaeological work, including AIA, systematic data recovery, and archaeological monitoring Providing the Province and Design-Builder with information for the management of archaeological and heritage resources Responding to chance archaeological or heritage finds
Accomplished in Month:	<ul style="list-style-type: none"> Shifts 3, 4, and 5 fieldwork completed 1 new archaeological site and 3 other sites were updated during Shifts 4 and 5 Completed mechanical testing along Dart Creek FSR Completed Systematic Data Recovery (SDR) at two sites Submitted request to the Archaeology Branch to expand the permit area of HIP 2019-0208
Key Activities for Next 3 Months:	<ul style="list-style-type: none"> Continue Archaeological Impact Assessment (AIA) along Dart Creek FSR Initiate SDR at additional sites Additional AIA, as directed Concurrent artifact analysis in the laboratory Concurrent SDR reporting Alteration permit amendments as needed Finalize prequalification of Indigenous contractors Review and evaluation of Technical Submissions

4.7 Operations

Scope:	<ul style="list-style-type: none">• Develop plans for managing traffic along the Alternate Route H93/95 during full project closures• Develop and implement plans for enhancements along arterial Route in Golden to support Alternate Route traffic• Establish agreements with other jurisdictions for provision of services along the Alternate Route
Accomplished in Month:	<ul style="list-style-type: none">• Golden enhancement electrical works commenced in advance of paving program• Alternate Route sign record development commenced• Meeting held with Columbia Valley First Responders
Key Activities for Next 3 Months:	<ul style="list-style-type: none">• Secure procurement approach for Golden enhancements and develop construction schedule (July 2020)• Coordinate sign order in July 2020, for delivery of alternate route signage in August 2020• Complete and formalize Parks Canada Agreement (July - August 2020)• Finalize agreements for additional Road Maintenance• Finalize school bus stop signage requirements (September 2020)• Complete Emergency Response Plan for Hwy93/Hwy95 (September 2020)

4.8 Property Acquisition

Scope:	<ul style="list-style-type: none">• No property acquisition currently planned
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4.9 Technical

Scope:	<ul style="list-style-type: none">• Development of a reference concept, technical requirements/specifications and related technical studies for the Project• Travel demand forecasting, traffic operations modelling, traffic data collection, and other related engineering services in support of the traffic management regime proposed for the Project• Technical input to the procurement processes• Compliance reviews during construction• Provide technical support to the Project Team during the review of contractor submittals
Accomplished in Month:	<ul style="list-style-type: none">• Provided technical response to Proponent RFIs• Participated in Proponents Topic Meetings with Proponents.• Completed Golden Potable Bulk Water Station design

	<ul style="list-style-type: none"> • Analysis for traffic management adjustments (extending closure permissions) and documentation of analysis
Key Activities for Next 3 Months:	<ul style="list-style-type: none"> • Participate in the Proponents Technical Proposal Evaluation • Continue to support negotiations with third parties. • Prepare technical responses to Proponent RFI's and manage final amendments to the technical specifications • Finalize the Alternate Route Report for posting in the data room. • Provide input to the Implementation Plan and developed revised forecasts for remainder of project.

4.10 Community Benefits

Scope:	<ul style="list-style-type: none"> • Work collaboratively with BC Infrastructure Benefits Inc. (BCIB) to successfully implement the Community Benefits Agreement (CBA)
Accomplished in Month:	<ul style="list-style-type: none"> • Reviewed and posted a BCIB memo regarding intentions to revise camp standards by the date of technical submittals • Received and reviewed with BCIB interim workforce requirements from proponents. • Conducted Topic Meeting with BCIB • Completed Trans Canada Highway Kamloops to Alberta Border projects interaction analysis • Obtained from BCIB and posted updated information about local workforce availability by trade with particular attention to Labourers
Key Activities for Next 3 Months:	<ul style="list-style-type: none"> • Review and post revisions to camp standards as soon as they are available from BCIB, following its executive, legal and GBA+ policy review • Review and post key pricing specifications pertaining to camp standards that are being prepared by BCIB. • Support BCIB to address additional topics of interest in the Sub-Contractor Information Guide • Continue to consider proponent concerns pertaining to qualified workers for highest-risk components of the project work and provision of labour during multiple schedule ramp-ups • Obtain from BCIB and post updated information about local workforce availability by trade with particular attention to Labourers • Respond to RFI's and conduct Topic Meetings as necessary and appropriate

5. Partners/Stakeholders

5.1 Indigenous Groups

Scope:	<ul style="list-style-type: none">• Fulfill Province’s duty to consult with identified Indigenous communities• Reach accommodation agreements with Indigenous communities through negotiation• Facilitate Indigenous Community engagement in Environment and Socio-Economic Review• Determine Indigenous requirements for inclusion in the draft Project Agreement
Accomplished in Month:	<ul style="list-style-type: none">• Revised draft accommodation agreements sent to Secwepemc First Nations• Evaluating the Proponent Technical submissions• Continued consultation on project related activities and impacts• Continued support of Indigenous groups’ engagement with Proponents on contracting opportunities• Continuing to provide advice and support to the Project team on Indigenous issues.
Key Activities for Next 3 Months:	<ul style="list-style-type: none">• Regular meetings continued to be held with all identified Indigenous Groups, including the Pespesellkwe, Ktunaxa Nation Council, and Shuswap Indian Band• Continued to work with Indigenous groups and the Province to reach final accommodation agreements

5.2 Third Parties

Scope:	<ul style="list-style-type: none">• Develop Utilities and Rail agreements as required• Secure local and regional government approvals as required
Accomplished in Month:	<ul style="list-style-type: none">• BC Hydro - no change to 3rd party agreement, communication between DB proponents ongoing• TELUS - no change to 3rd party agreement, communication between DB proponents ongoing• CP – regular meeting to resolve agreement and performance requirements• Started the first stage of the lower slope (CP) monitoring program• Initiated scope for survey monitoring of slopes uphill of CP• Field posting for legal survey complete.
Key Activities for Next 3 Months:	<ul style="list-style-type: none">• Respond to BC Hydro & Telus related RFI's• Respond to CP related RFI's• Finalize CP agreement and incorporate into DBA

5.3 Public and Stakeholder Engagement

Scope:	<ul style="list-style-type: none"> Public and stakeholder engagement, including materials development. Communications strategy and activities Determine Communications and Community Relations for inclusion in the contract
Accomplished in Month:	<ul style="list-style-type: none"> Content & facilitation of Community Liaison Committee online meeting Planning & execution of outreach to Dart Creek water users Content & facilitation of meeting with Columbia Valley First Responders Preparation for future meeting with Wildsight Preparation for proposal evaluation Feature story development for the project website Responses to public/stakeholder inquiries Various "regular" activities, including team meetings, website updates, GCPE & TI Corp communications briefings
Key Activities for Next 3 Months:	<ul style="list-style-type: none"> Continue to implement Community/Public Engagement (C/PE) plan, including CLC & other key stakeholder outreach, to support construction traffic management & other strategies Continued collaboration with Tourism Golden for travel information publicity Develop webinar for commercial transportation sector in collaboration with BCTA to help industry plan for construction traffic management Escalated focus on traffic management awareness as details become more certain Complete “what we heard” report to include responses to input received in recent engagement Evaluate Technical Submissions with respect to C/PE content Preliminary planning for contract award / construction start announcement / event

6. Project Cost Report

The approved project budget has increased by \$151 million from \$450 million in 2016 to \$601 million. The budget increase reflects the re-allocation of \$23 million of interest during construction from a general capital budget and a \$128 million increase in project costs.

The general capital budget increase is due to several factors, including additional engineering, design and geotechnical work, additional foundation supports for bridges and retaining walls, application of the Community Benefits Agreement (CBA), consultation with Indigenous communities and higher contingency based on the risk and complexity of the project.

The project spending for the month of June 2020 was \$1.2 million and total project spending to date is \$23 million. Total Federal Recoveries to date are \$8 million.