

Monthly Status Report

Reporting Period: July 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 (July 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 July 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 Participated in Technical Submission Evaluations Team and subject specific meetings
	Quality	<ul style="list-style-type: none"> Finalize the Annual Audit Plan Finalize the Avalanche Discipline Audit Participated in Technical Submission Evaluations
	Procurement	<ul style="list-style-type: none"> Conduct Technical Evaluation of the Proponent's Technical Submittals Continued communications via RFI, RFC, and Topic Meetings with Proponents
	Environmental	<ul style="list-style-type: none"> Completed vegetation survey Completed final amphibian report Completed monthly water quality monitoring at Dart Creek Participated in Technical Submission Evaluation
	Archaeology	<ul style="list-style-type: none"> Completed Shifts 6 and 7 Shift Summary reports for Shift 5 and Shift 6 Updated Archaeological and Heritage Resource Management Plan uploaded to the Data Room
	Operations	<ul style="list-style-type: none"> Preliminary electrical works for Golden Enhancements undertaken Alternate Route sign records complete - sent for review Parks Agreement sent to Parks Canada for review and comments Electrical works estimate received - civil works outstanding
	Technical	<ul style="list-style-type: none"> Participated in Technical Submission Evaluations
	Community Benefits	<ul style="list-style-type: none"> Obtained from BCIB and posted updated information about local workforce availability by trade with particular attention to Labourers Workforce Analysis and reporting to BCIB and TI Corp

Partners/Stakeholders	Indigenous Groups	<ul style="list-style-type: none"> • Received a revised draft accommodation agreements from Secwepemc Nations’ legal team with proposed edits • Sent revised accommodation agreement to Shuswap Indian Band for review • Completed the additional environmental survey (vegetation survey) with participation from the Indigenous Groups • Participated in Technical Submission Evaluations
	Third Parties	<ul style="list-style-type: none"> • BC Hydro - no change, communication ongoing. • Telus - no change, communication ongoing. • Regular meetings with CP agreement and performance requirements
	Stakeholder Engagement	<ul style="list-style-type: none"> • Participated in Technical Submission Evaluations

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.

		Kicking Horse Canyon Project - Phase 4 Timeline																															
		2018				2019				2020				2021				2022				2023				2024				2025			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Procurement Phase	Reference Concept Development			Reference Concept Development																													
	Funding Approval																																
	Third Party Agreements																																
	Develop DB Agreement																																
	Issue RFQ																																
	RFQ Phase																																
	Issue RFP																																
	RFP Phase																																
	Technical Submission																																
	Financial Submission																																
	Preferred Proponent Selected																																
	Limited Notice to Proceed																																
	Financial Close																																
Implementation	Detailed Design																																
	Construction																																
	Substantial Completion																																
	Total Completion																																
	Community Engagement																																

4. Project Delivery

4.1 Project Management

Scope:	<ul style="list-style-type: none">Effectively manage Project's contracts, scope, schedule and costImplement and efficient document control and records management systemEnsure 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 plansParticipated in regular TI Corp Project Controls meetings to align processes and procedures along all projectsManaged 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 policiesMonitor project schedule, scope, and budget through monthly reporting from LeadsUpdate Project Management Plan and sub-plansUpdate and roll-out Change Management Plan for Project

4.2 Safety

Scope:	<ul style="list-style-type: none">Establish health and safety project delivery objectives and performance measuresManage Project health and safety activitiesMonitor relevant health and safety performance metricsEnsure the Project complies with relevant WorkSafeBC regulations and government requirementsIdentify specific health and safety roles and responsibilitiesOutline relevant health and safety management processes and activities
Accomplished in Month:	<ul style="list-style-type: none">Meeting with WorkSafeBC regarding project status update, WSBC initiatives and pre-construction.
Key Activities for Next 3 Months:	<ul style="list-style-type: none">Review and update Safety Management Plan for implementation to align with TI Corp, OE and MoTI requirementsPrepare, review and implement site specific implementation plans, processes and flow diagrams for OE Team. Includes safety and operational processes

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">• Participated in Technical Submission Evaluations
Key Activities for Next 3 Months:	<ul style="list-style-type: none">• Complete audit schedule• Audit Avalanche discipline• Audit project controls• Finalize Technical Submission evaluations.

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">• Evaluation teams established and technical evaluation is proceeding according to schedule• Meetings with evaluation Due Diligence Committee have been conducted and feedback provided 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• 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• Finalize protection measures and explore alternate water source for Dart Creek
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Accomplished in Month:	<ul style="list-style-type: none"> • Environmental input to Owner’s Engineering meetings and process • Monthly water sampling at Dart Creek • Vegetation Survey completed • Completion of final amphibian report • Participated in Technical Submission Evaluation
Key Activities for Next 3 Months:	<ul style="list-style-type: none"> • General support to the KHCP4 team, including stakeholder and Indigenous Group meetings. • Finalize Technical Submission evaluations. • Updating constraints mapping with new vegetation polygons • Water sampling at Dart Creek on a monthly basis until September 2020

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 6 and 7 field work completed • Four Archaeological sites were revisited during Shifts 6 and 7 • Initiated Systematic Data Recovery (SDR) at archaeological site EhQf-14 • Finalized update to Archaeological and Heritage Resource Management Plan
Key Activities for Next 3 Months:	<ul style="list-style-type: none"> • Continue Archaeological Impact Assessment (AIA) along Dart Creek FSR • Continue Systematic Data Recovery (SDR) at archaeological site EhQf-14 • AIA and SDR per Schedule 7.1 of the Archaeological and Heritage Resources Management Plan (AHRMP) • Concurrent artifact analysis in the laboratory • Concurrent SDR reporting • Alteration permit amendments as needed

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
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Accomplished in Month:	<ul style="list-style-type: none"> • Alternate Route sign records complete - out for review • Parks Agreement submitted to Parks Canada for review • Electrical Works estimate received • Civil Works contractor not identified • Preliminary electrical conduit and loop installations
Key Activities for Next 3 Months:	<ul style="list-style-type: none"> • Alternate Route sign manufacture, delivery and installation • Complete Golden Enhancements • Finalize Technical Submission evaluations. • Secure civil contractor for small civil works component of the enhancements • Additional line painting along Alternate Route • Assess sweeping needs in advance of line painting • Complete Incident Response Plan for Alternate Route

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"> • Participated in Evaluation of the Technical Submission • Progressed planning for implementation phase of the project including definition of team member roles and responsibilities • Reference Concept construction schedule and cost estimation analysis and review
Key Activities for Next 3 Months:	<ul style="list-style-type: none"> • Continue to support negotiations with third parties • Finalize the Alternate Route Report for posting in the data room • Begin initial mobilization of field staff in Golden • Finalize technical submissions evaluations. • Support the financial submission evaluations.

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"> • Obtained from BCIB and posted updated information about local workforce availability by trade with particular attention to Labourers • Workforce analysis and reporting to BCIB and TI Corp ongoing.
Key Activities for Next 3 Months:	<ul style="list-style-type: none"> • Work with BCIB and the Procurement to host a virtual subcontractor information session. • Review updated workforce requirement submittals • 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"> • Received a revised draft accommodation agreements from Secwepemc Nations with proposed edits • Sent a revised accommodation agreement to Shuswap Indian Band for review • Continued consultation on project related activities and impacts • Met with all Indigenous groups to discuss the Project • Continued support of Indigenous groups engagement with proponents on Contracting Opportunities
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, and Shuswap Indian Band • Archaeology work with participation from all of the Identified Indigenous Groups occurred • Prepare for Limited Notice to Proceed (LNTP) and construction start • Finalize Technical Submission evaluations.

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, communication ongoing. • Telus - no change, communication ongoing. • Regular meetings with CP agreement and performance requirements • Reporting started on the first stage of the lower slope (CP) monitoring program • Conducted baseline monitoring of slopes uphill of CP • Posting plan is being discussed with Surveyor Generals Office • Site survey started on measuring train gaps
Key Activities for Next 3 Months:	<ul style="list-style-type: none"> • Finalize CP agreement • Finalize 1st monitoring report, and undertake 2nd round of survey for slope monitoring

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"> • Preparation for future meeting with Wildsight • DB proposal evaluation (C/PE content) • Feature article development • 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 C/PE plan, including CLC & other key stakeholder outreach, to support construction traffic management & other strategies • Finalize Technical Submission evaluations. 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 • Update traffic management information to reflect evolution of details • Displays for project office in Golden • Prepare for contract award / construction start announcement / event • Prepare for oversight of DB contractor's C/PE obligations & activities

6. Project Cost Report

The project spending for the month of July 2020 was \$1.2 million and total project spending to date is \$24.2 million. Total Federal Recoveries to date are \$8.3 million.