

Monthly Status Report

Reporting Period: October 2020

1. Project Dashboard

		Objectives	Overall Project	DB Contract	Owner/Other Works	Comments
	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.
Project Delivery	Quality	Implement an effective Quality Management System.				Quality Management Plan developed
Project	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. Additional archaeological sites located during the 2020 field season and additional permitting may result in slower progress.
	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.
ders	Indigenous Groups	Continue to build and maintain a positive collaborative working relationship.				Project Team is actively engaging Indigenous Groups during procurement process.
Partners/Stakeholders	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). Working to finalize the Agreement with CP Rail.
Partners	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 Planning and Development	 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
Project Delivery	Procurement	 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 Preferred proponent chosen (September 2020) Limited Notice to Proceed Agreement (LNTP) signed and implemented (September 2020) Environmental Service Contract signed (October 2020)
Projec	Environmental	 Environmental Synopsis Report (2016) Various Environmental Reports (2005 – 2016)
	Archaeology	Completed Archaeological and Heritage Resource Management Plan for Kicking Horse Canyon Phase 4 Project (July 2020)
	Operations	Planning for Traffic Management and Closures during construction
	Technical	 Reference concept design developed (2016) Reference concept design updated (2019) Various geotechnical reports (2005-2019)
	Community Benefits	 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)
ers/	Indigenous Groups	Ongoing engagement and consultation
Partners/ Stakehol	Third Parties	Contribution Agreement – Government of Canada (2017)

Public and
Stakeholder
Engagement Third
Parties

- Community Liaison Committee established (2018)
- Held Public Information Sessions in Golden and Radium (2019)
- Held public presentations to various stakeholders (2019-2020)

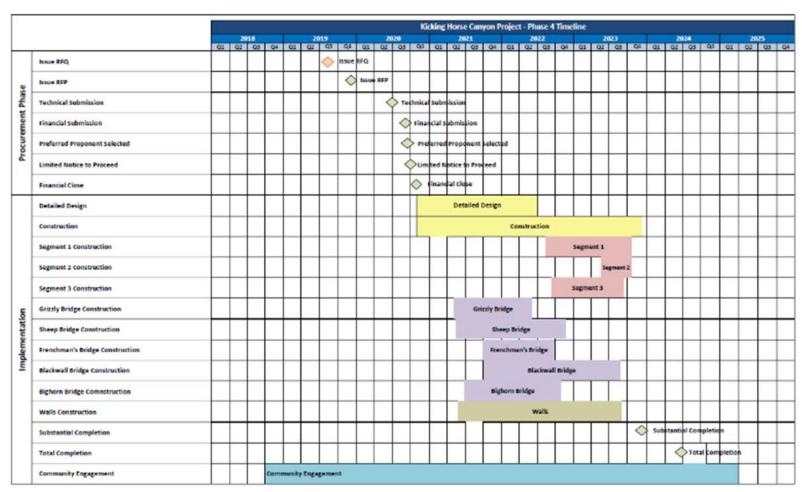
2.4 October Highlights

	Project Management	 Align project controls processes with Transportation Investment Corporation plans and policies
	Safety	 Workforce analysis and reporting to BCIB and TI Corp. Update Project Safety Management Plans with TI Corp to meet requirements for implementation Risk Analysis and Mitigation including Contingency Development
	Quality	 Review Kicking Horse Canyon Constructors (KHCC) deliverables Prepare proposal extracts Prepare proposal summaries Plan DB Contactor audits
Project Delivery	Procurement	 Continued advancement of documentation towards Financial Close Coordinating and preparing debrief notes/material with Technical Evaluation Team
Project	Environmental	 Environmental Service Contract Kick-off meeting Indigenous consultation support for amphibian related questions
	Archaeology	 Completed Shifts 12 and 13 Completed SDR and associated reporting for portions of archaeological sites within project boundary
	Operations	 Electrical works for Golden enhancement Civil Works underway at Park Drive LNTP works for KHCC underway (Geotech and seismic investigation)
	Technical	LNTP Activities and Reviews ongoing
	Community Benefits	 Permits for LNTP work issued by BCIB and AIRCC. LNTP work is limited in scope and duration for pre-investigations activities

Partners/Stakeholders	Indigenous Groups	 KHCC introduction meeting with Indigenous Groups Review and provided Indigenous Groups KHCC LNTP Geotech Site Investigation Plan Participate in Ktunaxa Nation Council (KNC) and BCIB two (2) day information sessions
	Third Parties	 BC Hydro - no change to 3rd party agreement Telus - no change to the 3rd party agreement Attended the kick off meeting with KHCC, BC Hydro, and Telus Meeting with CP and Kicking Horse Canyon Constructors (KHCC) to conduct site tour of CP infrastructure and discuss implementation planning Continued discussions with CP Rail on project Agreement
	Stakeholder Engagement	 Preparation for contract award announcement Preparation for design-build implementation

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

Effectively manage Project's contracts, scope, schedule and cost Scope: 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) Initiated Readiness Review and held meetings with Key Team leads Accomplished in Month: Continued the development of the submission and review process. Including training and setting up the Share Point site for the team Implemented a review procedure for LNTP submissions Review and evaluation of Proponent senior management plans and other deliverables • Kick-off with the Due Diligence Committee Monitor Project Scope / Schedule and Cost through monthly reporting from **Key Activities** for Next 3 discipline leads Months: Continue to hold regular meetings with project team and TI Corp Transfer Risk Management to the updated TI Corp policies and Procedures Update Project Management Plans as needed and recommended by Project Readiness review

4.2 Safety

Scope:	 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	Implementation Plan including process flow development (ongoing)
in Month:	Implementation planning for LNTP work beginning in mid October
	Review and comment regarding KHCC management plans for LNTP work
	Complete proposal extracts

Key Activities for Next 3 Months:

- Update Safety Management Plan for implementation to align with KHCC, TICorp,
 OE and MoTI requirements
- Prepare, review and implement site specific implementation plans, processes and flow diagrams for OE Team. Includes safety and operational processes
- Oversee Preferred Proponent LNTP work onsite including staffing, site office supplies, PPE and vehicles
- Debrief for all RFP Proponents
- Risk review and analysis
- Manage Field Surveillance Technicians

4.3 Quality

Establish quality management objectives and processes Monitor relevant quality management performance metrics Identify specific quality management roles and responsibilities Complete KHCC submittal reviews Complete updates for quality procedure documentation Key Activities for Next 3 Audit project controls Review OE engineering reviews Review Contractor Quality deliverables

4.4 Procurement

Scope:	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	Supporting Project Close activities, including:
in Month:	o Finalizing Design Build Agreement (DBA)
	o Coordinate the preparation of debrief material for Proponents
Key Activities	Execute DBA
for Next 3	Finalizing Project Report
Months:	Conduct Proponent debriefs

4.5 Environmental

Scope:	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
Accomplished	Environmental service contract kick-off with team
in Month:	Indigenous consultation support for amphibian related questions
Key Activities	Support at stakeholder and Indigenous group meetings and responding to
for Next 3	follow-up comments and questions, as requested by the Ministry
Months:	Review and comment of DB's environmental plans and reports
	Provide input to Project Environmental Management Plan

4.6 Archaeology

Scope:	 Managing, directing and undertaking all archaeological work, including AIA, systematic data recovery (SDR), and archaeological monitoring Providing the Province and KHCC with information for the management of archaeological and heritage resources Responding to chance archaeological or heritage finds
Accomplished in Month:	 Shifts 12 and 13 completed (5 sites revisited during these shifts) Completed SDR and associated reporting for portions of archaeological sites within project boundary Completed review KHCC's Environmental Early Works Management Plan and Chance Find Procedure appendix Proposed stockpile location sent to MOTI and KHCC
Key Activities for Next 3 Months:	 Artifact analysis ongoing in the laboratory (20,000 + artifacts) SDR and AIA reporting Submission of site forms for all new and updated archaeological sites Alteration permit amendment request Prepare application for an archaeological investigation permit for future SDR on the project

4.7 Operations

Scope:	•	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:

- Alternate route signs field verification complete
- Parks agreement finalized
- Electrical works in Golden continues
- Civil works Park Drive commenced
- Modifications to pole base at 9th Street S. identified and confirmed

Key Activities for Next 3 Months:

- Golden enhancement Civil works (Park Drive) completion
- Alternate route signs post installation by KHCC
- LNTP works for KHCC continues through November
- Line painting on alternate route (Golden enhancements)
- Alternate route Incident Response Plan completion
- Golden enhancements 9th Street S. electrical works complete by December 31 (pavement marking by April 10 2021)

4.8 Property Acquisition

Scope:

• No property acquisition currently planned

4.9 Technical

Scope:

- 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:

- Participated in LNTP De-Briefing Meetings and follow up on action items
- Participated in KHCC Kick-off and weekly topic meetings
- Participate in LNTP activities review submissions, participate in daily meetings and deal with issues as they arise.
- Progressed planning for implementation phase focused on submittal review processes.

- Developed updates to Appendix H and Proposal Extracts.
- Initiated development of processes for SharePoint automation.
- Mobilized field surveillance staff to site

Key Activities for Next 3 Months:

- Finalize Appendix H, Proposal Extracts and support other contractual reviews ahead of Financial Close.
- Finalize debriefing summary of KHCC's technical submissions
- Continue to support negotiations with CP to finalize agreement
- Participate in weekly meetings with KHCC
- Participate in Implementation activities review submissions, participate in daily meetings and deal with issues as they arise
- Implement automation of SharePoint processes for submission reviews
- Mobilize additional field staff to Golden for early works

4.10 Community Benefits

Scope:	 Work collaboratively with BC Infrastructure Benefits Inc. (BCIB) to successfully implement the Community Benefits Agreement (CBA)
Accomplished in Month:	 KHCC obtained permits for LNTP work Project Team reviewed workforce updates from KHCC Workforce analysis and forecasting for BCIB/TI Corp
Key Activities for Next 3 Months:	 Work with KHCC and BCIB to understand workforce requirements Continue regular meetings with BCIB and Project Team Attend regular meetings with BCIB / KHCC and Project Team Support BCIB by providing temporary office space for project site rep Support KHCC and BCIB in executing any BCIB Sub-Contract Agreements as necessary

5. Partners/Stakeholders

5.1 Indigenous Groups

Scope:	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

	 Reach agreements with Indigenous Groups where consent to the Project is acknowledged
Accomplished in Month:	 Reviewed DBA & Schedule 22 for KHC readiness review interview Continued meeting with Indigenous groups to discuss project and provide relevant updates Sent Indigenous Groups Incidental Amphibian Sighting Memo Reviewed & commented on KHCC Geotechnical Site Investigation Plan Initial KHCC submittal process review with project team
Key Activities for Next 3 Months:	 Regular meetings continued to be held with all identified Indigenous Groups, including the Pespesellkwe, Ktunaxa, and Shuswap Indian Band Continued work with legal and Indigenous groups to finalize accommodation agreements Work with KHCC on the DBA requirements (Indigenous Participation Plan) Work with Indigenous Groups on archaeological permits and amendments

5.2 Third Parties

Scope:	 Develop Utilities and Rail agreements as required Secure local and regional government approvals as required
Accomplished in Month:	 Attended Kick off meeting with KHCC, BC Hydro, and Telus Attended Site tour with CP Rail to walk the project site Processing data of survey of CP bridge and updated report for survey baseline for monitoring of slopes uphill of CP
Key Activities for Next 3 Months:	 Finalize agreement with CP Rail Attend regular meetings with BC Hydro and Telus Finalize scope for the Province's ongoing slope monitoring

5.3 Public and Stakeholder Engagement

Scope:	 Public and stakeholder engagement, including materials development. Communications strategy and activities Determine Communications and Community Relations for inclusion in the contract
Accomplished in Month:	 Implementation planning – ongoing Preparation for contract award announcement Transition notes & briefing materials for new Minister Continued preparation for migration with domain to new TI Corp website platform

- Responses to public/stakeholder inquiries
- Traffic notifications for related infrastructure improvements in Golden
- Planning for resumption of active outreach after election blackout period
- Planning for displays & public access to project office in Golden
- Various "regular" activities, including team meetings, GCPE & TI Corp communications briefings

Key Activities for Next 3 Months:

- Continue to implement 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 trucking sector webinar with BCTA to help industry plan for construction traffic management
- Refine traffic management information to reflect evolution of details
- Complete "what we heard" report to include responses to input received in recent engagement
- Continue preparations for contract award / construction start announcement / event
- Continue preparations & begin implementation of oversight of DB contractor's
 C/PE obligations & activities

6. Project Cost Report

The project spending for the month of October 2020 was \$1.0 million and total project spending to date is \$28.6 million. Total Federal Recoveries to date are \$9.5 million.