

Monthly Status Report

Reporting Period: February 2020

1. Project Dashboard

		Objectives	Overall Project	DBF Contract	Owner/Other Works	Comments
Project Delivery	Scope	Meet the approved scope.	●	●	●	Project includes a new four-lane bridge, improved connections to, from and near the bridge and dedicated walking and cycling lanes. The Project Team is actively managing scope.
	Schedule	Delivered within the approved schedule.	●	●	●	Project on schedule for bridge opening in 2023. Risks associated with permitting timelines and FortisBC's gas pipeline relocation are being closely monitored.
	Budget	Delivered within the approved budget.	●	●	●	Project has an approved budget of \$1.377 billion. Actual and forecasted Project expenditures are within the approved budget. Project contingency reflects contract price.
	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.	●	●	●	Finalized the Project Site Safety Plan and Job Hazard Assessment and Risk Mitigation Plan. Requirements of the contractor are defined within the Design-Build-Finance contract.
	Quality	Implement an effective Quality Management System	●	●	●	The Project's Quality Management Plan is under internal review. Reviewed contractor submittals as defined within the Design-Build-Finance contract.
	Environmental	Ensure our work is performed in an environmentally responsible manner.	●	●	●	Project received an Environmental Assessment Certificate (EAC) in April 2019 and a Vancouver Fraser Port Authority (VFPA) permit in May 2019. The Project Team is providing comments as the contractor develops the application for a Fisheries Act authorization.
	Property Acquisition	Acquire and manage properties required to deliver the Project.	●	●	●	Project VFPA licences issued. Working to acquire additional properties confirmed to be required for design.
	Community Benefits	Work collaboratively with BCIB to successfully implement the Community Benefits Agreement.	●	●	●	Project Team continues to facilitate meetings between the contractor, BCIB and TI Corp to plan for coordination during construction.
Partners/Stakeholders	Indigenous Groups	Continue to build and maintain a positive collaborative working relationship.	●	●	●	Project Team continues to engage with the Identified Indigenous Groups.
	Third Parties	Continue to build and maintain positive relationships and secure agreements with Project partners and other third parties.	●	●	●	Draft railway and utility agreements shared with contractor - most in final stages of negotiations. Municipal, CN Rail and Metro Vancouver agreements executed.
	Public and Stakeholder Engagement	Continue to build and maintain positive relationships with the community and other stakeholders.	●	●	●	Communication continues with residents and stakeholders during the implementation phase. Public and stakeholder engagement is planned for Spring 2020.

Status	Description
●	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 Pattullo Bridge is a key connection between the communities of Surrey and New Westminster.

The new four-lane Pattullo Bridge will provide important improvements for everyone using the bridge, including people who are driving, cycling or walking, as well as communities on either side of the bridge, including:

- A safer crossing for all bridge users with modern, wider lanes, separated by a centre median barrier
- Dedicated walking and cycling lanes, separated from traffic by a barrier on both sides of the bridge
- Better connections to, from and near the bridge

The contract for the Pattullo Bridge has been awarded to Fraser Crossing Project Corporation (FCP) to design and build the new four-lane bridge that will replace the existing Pattullo Bridge.

The Project budget is \$1.377 billion and will be delivered, funded and owned by the Province of B.C. The Project will be delivered under the Province's Community Benefits Agreement (CBA). BC Infrastructure Benefits is responsible for implementing the CBA for the project and will be the employer for workers on the project.

2.2 Project Goals

1. Provide a **structurally sound bridge crossing** to the maintain a critical local and regional connection;
2. **Improve safety for all users** with modern lane widths, road curvature, centre median barrier and separated pedestrian and cycling lanes; and
3. **Improve connectivity, reliability and modal choice** while supporting environmental objectives.

The Project represents a significant investment in multi-modal transportation mobility improvements and supports provincial and regional strategies, environmental objectives, and the economic development of transportation services in the region.

2.3 Key Milestones Achieved to Date

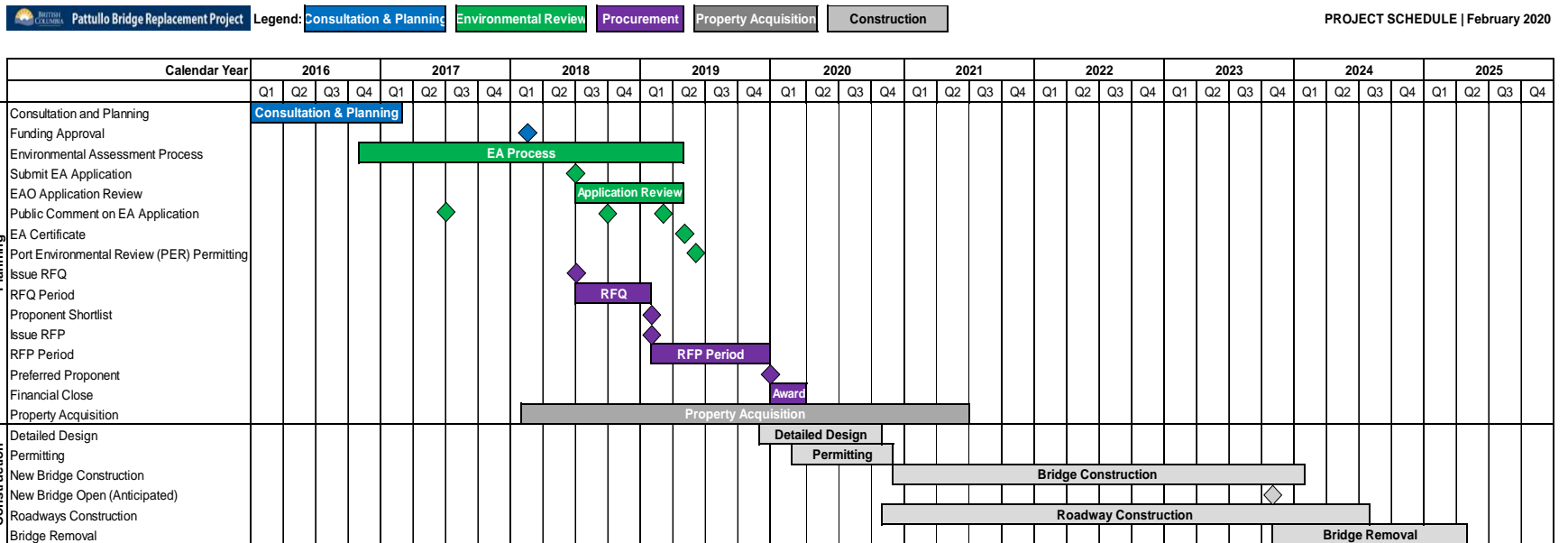
Project Delivery	Project Planning and Development	<ul style="list-style-type: none"> – Business Case (January 2018) – Strategic Options Analysis (January 2018) – Cost Report (January 2018) – Risk Report (January 2018)
	Procurement	<ul style="list-style-type: none"> – Procurement Options Report (January 2018) – Request for Qualifications Issued (July 2018) – Request for Qualifications Fairness Advisor Report (November 2018) – Relationship Review Process Description (February 2019) – Relationship Review Consultant Protocol (February 2019) – Proponent Shortlist Announced (February 2019) – Request for Proposals Issued (February 2019) – RFP Fairness Advisor Report (December 2019) – Selected Preferred Proponent (December 2019) – Executed Design-Build-Finance agreement (February 2020)
	Environmental	<ul style="list-style-type: none"> – Baseline studies – Application Information Requirements (March 2018) – Environmental Assessment Application (August 2018) – EAO Assessment Report (April 2019) – EAO Environmental Assessment Certificate (EAC) (April 2019) – Port and Environmental Review (PER) Permit (May 2019)
	Technical	<ul style="list-style-type: none"> – Draft Concept for EA application (March 2018) – Test pile installation (May 2018) – Design considerations report (December 2018) – Traffic data collection and analysis – Multiple geotechnical studies
	Property Acquisition	<ul style="list-style-type: none"> – Construction and land licences acquired from Vancouver Fraser Port Authority (VFPA); VFPA demolition licence finalized (December 2019)
	Community Benefits	<ul style="list-style-type: none"> – Community Benefits Agreement (July 2018) – BCIB Health and Safety Program (May 2019) – BCIB-AIRCC Enabling Agreement Executed (May 2019) – BCIB-Contractor Agreement Executed (February 2020) – BCIB-Subcontractor Agreement Executed (February 2020)
Partners/ Stakeholders	Third Parties	<ul style="list-style-type: none"> – CN Master Use Agreement (May 2019) – City of Surrey Municipal Agreement (September 2019) – City of New Westminster Municipal Agreement (September 2019) – Metro Vancouver Accommodation Agreement (December 2019)
	Public and Stakeholder Engagement	<ul style="list-style-type: none"> – Completion of three phases of public consultation – Project Overview Report (July 2019)

2.4 February Highlights

Project Delivery	Contract Administration	<ul style="list-style-type: none"> – Executed Design-Build-Finance agreement with Fraser Crossing Project Corporation on February 7, 2020.
	Environmental	<ul style="list-style-type: none"> – Project update meeting with Indigenous Groups and key members of the Environmental Assessment Working Group was held on February 13, 2020.
	Technical	<ul style="list-style-type: none"> – Continued engagement with the contractor to discuss aspects of their design. – Completed the first river hydraulics physical model test.
	Community Benefits	<ul style="list-style-type: none"> – Executed the BCIB-Contractor Agreement on February 7, 2020. – Executed the BCIB-Subcontractor Agreement on February 7, 2020.
Partners/Stakeholders	Third Parties	<ul style="list-style-type: none"> – Capacity funding agreement signed between the City of Surrey and the Province. – Held introductory meetings between the City of Surrey, the City of New Westminster and Fraser Crossing Partners.
	Indigenous Groups	<ul style="list-style-type: none"> – Technical Heritage Committee meeting was held on February 13, 2020 at Musqueam First Nation. – Indigenous Marine Users Group meeting was held on February 22, 2020.
	Public and Stakeholder Engagement	<ul style="list-style-type: none"> – Coordinated the Contract Award event on February 10, 2020.

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 the Project’s contracts, scope, schedule, and cost.– Implement an 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 and the Core Policy and Procedures Manual.
Accomplished in Month:	<ul style="list-style-type: none">– Continued to refine the Project Management Plan and related sub-plans based on Project Executive feedback.– Held regular Project control meetings with the Project Team.– Attended regular TI Corp Project Controls meetings to help align all projects under TI Corp in their processes and procedures.– Implemented procedures for change management.– Held regular finance, Project Controls and Project leadership meetings to manage the Project’s contracts, scope, schedule, and cost.
Key Activities for Next 3 Months:	<ul style="list-style-type: none">– Continue to hold regular Project Controls meetings with the Project Team, across other projects within TI Corp and with Project leadership.– Implement procedures for issues management.– Monitor Project schedule, scope, and budget through monthly reporting from Discipline Leads to the Project Controls Team, for reporting to Executive.– Executive review and approval of the Project Management Plan and related sub-plans.

4.2 Safety

Scope:	<ul style="list-style-type: none">– Establish occupational health and safety (OH&S) project delivery objectives and performance measures.– Manage Project OH&S activities.– Monitor relevant OH&S 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.
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Accomplished in Month:	<ul style="list-style-type: none"> – Ongoing discussions and meetings with British Columbia Infrastructure Benefits (BCIB) and the Ministry of Transportation and Infrastructure (MOTI) regarding site health and safety management. – Finalized the TI Corp Project Site Safety Plan and Job Hazard Assessment (JHA) and Risk Mitigation Plan. – Provided health and safety orientation to Project Team members. – Attended BCIB and contractor meetings. – Secured the south approach site. – Drafted a Field Level Risk Assessment (FLRA) form that the Project Team will complete daily prior to starting any activities. – Drafted a JHA and Risk Mitigation Plan for Project Team members that will be conducting tasks on site. – Finalized the Project Auditing Process.
Key Activities for Next 3 Months:	<ul style="list-style-type: none"> – TI Corp OH&S Program available for Executive review. – Review contractor's Project Health and Safety Plan as they mobilize to site. – Draft and deliver training on the project JHA and Risk Mitigation Plan for all affected Project Team members. – Conduct a site inspection prior to contractor mobilization and update the TI Corp Project Site Safety Plan as required. – Identify specific OH&S metrics that will form part of our monthly reports. – Complete updated hazard assessment for the south approach site. – Provide OH&S orientation to new Project Team members. – Complete the development of OH&S auditing processes and procedures. – Conduct a trial run audit using electronic reporting forms in the field.

4.3 Quality

Scope:	<ul style="list-style-type: none"> – Establish quality management Project objectives and performance measures. – Manage Project monitoring activities. – Manage Project quality management activities. – Monitor relevant quality management performance metrics. – Identify specific quality management roles and responsibilities. – Outline relevant quality management processes and activities.
Accomplished in Month:	<ul style="list-style-type: none"> – Executed the Quality Management Services consultant contract for the Project. – Reviewed Quality Management submittals from the contractor. – Updated the draft Project Quality Management Plan.

Key Activities for Next 3 Months:	<ul style="list-style-type: none"> – Finalize the Project Quality Management Plan. – Provide an implementation-phase quality management orientation to the Project Team. – Finalize the review process for the contractor’s quality management plans for the project.
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4.4 Contract Administration

Scope:	<ul style="list-style-type: none"> – Development of a Business Case, Request for Qualifications (RFQ), Request for Proposals (RFP) and subsequent evaluation of submittals. – Design-Build-Finance contract award.
Accomplished in Month:	<ul style="list-style-type: none"> – Conducted meetings with the Preferred Proponent in lead up to contract award. – Executed Design-Build-Finance contract with contractor, Fraser Crossing Project Corporation (FCP). – Held regular Project implementation meetings with contractor. – Received and responded to multiple submittals, transmittals and letters from the contractor.
Key Activities for Next 3 Months:	<ul style="list-style-type: none"> – Implement the Design-Build-Finance agreement. – Review submittals to be provided by the contractor within the first three months of the contract Effective Date.

4.5 Environmental

Scope:	<ul style="list-style-type: none"> – Manage follow-up and compliance actions required under the Environmental Assessment Certificate (EAC) and the Port and Environmental Review (PER) permit. – Liaise with regulators and stakeholders on matters related to EAC and PER permit conditions and commitments made through the environmental assessment process. – Manage outstanding environmental permits and associated environmental studies, monitoring, and compliance processes. – Support the Technical Heritage Committee initiative and archaeology investigations. – Provide environmental support to the Project Team during the review of contractor submittals
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Accomplished in Month:	<ul style="list-style-type: none"> – Continued development of management plans required under the EAC and the PER permit. – Continued the development of habitat offsetting concepts, including a review of potential opportunities and conceptual design work. – Coordinated working group meeting to facilitate stakeholder consultation on the Project going forward. – Completed shoreline survey to document pre-construction conditions.
Key Activities for Next 3 Months:	<ul style="list-style-type: none"> – Continue to liaise with regulators on follow-up actions and commitments arising from the EAC and PER permit. – Review and comment on the contractor’s management plans and other related submissions. – Continue to meet with the Identified Indigenous Groups to discuss offsetting opportunities. – Continue to facilitate meetings with key regulators and the contractor, as required, to support a successful transition into the implementation phase. – Review the Canadian Navigable Waters Act approval application prepared by the contractor. – Review Water Sustainability Act Permit applications prepared by the contractor. – Continue to liaise with key regulators (FLNRORD, Fisheries and Oceans Canada (DFO), and Transport Canada (TC)) to support the contractor on permitting considerations and constraints. – Review and provide comment or consent on contractor’s plans and other documents/third party submissions as per the Design-Build-Finance contract – Review Fisheries Act Authorization application prepared by the contractor. – Begin archaeological investigations at bridge pier locations, test pile location, and geotechnical investigations.

4.6 Property Acquisition

Scope:	<ul style="list-style-type: none"> – Review of properties along the Project corridor and refinement of property acquisition plans. – Acquire land required to deliver the Project. – Secure construction licences across the river for bridge construction and demolition as well as a Vancouver Fraser Port Authority (VFPA) lease for the new bridge.
Accomplished in Month:	<ul style="list-style-type: none"> – Additional properties identified for acquisition in New Westminster. – Identified Indigenous Groups consultation on VFPA/BC Transportation Financing Authority land exchange commenced.

	<ul style="list-style-type: none"> – Amended surveys received for Ministry of Forests, Lands, Natural Resource Operations and Rural Development (FLNROD) properties and Surrey surveys in process of completion. – Surveys for additional properties in New Westminster identified by the contractor to be ordered as discussions with owners commence.
Key Activities for Next 3 Months:	<ul style="list-style-type: none"> – Continue discussions with owners to secure final agreements or agreements in principle. – Finalize property acquisition plans for properties identified by the contractor and initiate property acquisitions. – Finalize property surveys where required.

4.7 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 Project. – Technical input to the environmental 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 support for stakeholder engagement. – Completed monthly riverbed monitoring data collection. – Provided technical support to the Project Team during the review of contractor submittals. – Attended technical meetings with the contractor to discuss technical aspects of their design, as well as geotechnical and archaeological field investigation works. – Completed first river hydraulics physical model test and data collection.
Key Activities for Next 3 Months:	<ul style="list-style-type: none"> – Complete monthly riverbed monitoring. – Provide technical support during stakeholder consultation. – Continue meeting with stakeholders and regulatory authorities. – Complete review of all data collected during the first river hydraulics physical model test and provide to the contractor. – Complete compliance reviews during advanced works including geotechnical and archaeological investigations works. – Continue reviewing contractor submittals.

4.8 Community Benefits

Scope:	<ul style="list-style-type: none">– Work collaboratively with BC Infrastructure Benefits Inc. to successfully implement the Community Benefits Agreement (CBA).
Accomplished in Month:	<ul style="list-style-type: none">– Executed both the BCIB-Contractor Agreement and the BCIB-Subcontractor Agreement.– Continued review of 30/60/90 day plans between BCIB, TI Corp and contractor.– Facilitated meetings between the contractor, BCIB and TI Corp regarding OH&S protocols.
Key Activities for Next 3 Months:	<ul style="list-style-type: none">– Initiate and execute site safety protocols with BCIB, WorkSafeBC and the contractor.– Ongoing collaboration with BCIB on Project requirements and implementation readiness.

5. Partners/Stakeholders

5.1 Indigenous Groups

Scope:	<ul style="list-style-type: none"> – Consultation and engagement with the Identified Indigenous Groups as set out in the EAC.
Accomplished in Month:	<ul style="list-style-type: none"> – Environmental working group meeting held with participation from key environmental regulators and Indigenous Groups. – Technical Heritage Committee meeting held on February 13, 2020 with Indigenous Group representatives. – Formalized recommendation from Technical Heritage Committee regarding the archaeology permit-holder. – Indigenous Marine Users Group meeting held on February 22, 2020. – Continued collaborating with BCIB on Q&A development. – Held meetings with the Identified Indigenous Groups. – Continued to respond to comments from the Identified Indigenous Groups related to permits, plans, and other ongoing Project components. – Continued to engage the Identified Indigenous Groups related to Project opportunities and benefits. – Engaged with Identified Indigenous Groups on Cultural Recognition considerations.
Key Activities for Next 3 Months:	<ul style="list-style-type: none"> – Initiate/continue consultation on key aspects of the EAC conditions, including retaining an Independent Environmental Monitor and developing cultural and archaeological resource management, Indigenous cultural recognition, and Identified Indigenous Groups monitoring plans. – Continue Technical Heritage Committee meetings to draft amendments to the Archaeology Permit and the Cultural and Archaeological Resources Management Plan. – Chair a Project kick-off meeting to introduce the contractor to the EA working group, which includes the Identified Indigenous Groups. – Arrange discussions between BCIB and Identified Indigenous Groups. – Arrange discussions between Identified Indigenous Groups and the contractor. – Complete Indigenous Relations construction-phase plan and workshop. – Determine Indigenous Relations training opportunities. – Work with the contractor to finalize an Indigenous Art and Cultural Recognition opportunities list. – Facilitate a meeting between the Identified Indigenous Groups and the contractor for the Indigenous Art and Cultural Recognition Program.

- Finalize Indigenous Art and Cultural Recognition Execution Plan.

5.2 Third Parties

Scope:	<ul style="list-style-type: none"> – Engage with Municipalities (City of New Westminster and City of Surrey) for the Project implementation phase. – Municipal Agreements – Railway Construction and Crossing Agreements – Utility Agreements – TransLink Agreement
Accomplished in Month:	<ul style="list-style-type: none"> – With Municipal Agreements executed, continued to engage with Municipalities in preparation for the implementation phase. – With the CN Master Use Agreement in place, working collaboratively with Canadian National Railway (CN) in preparation for the implementation phase. – Engagement with additional railways including Canadian Pacific Railway (CP), BNSF Railway (BNSF), and Southern Railway of British Columbia (SRY). – CP construction agreement complete and ready for execution. Now negotiating CP crossing and maintenance agreement. – Engagement with utilities including Metro Vancouver and telecommunications companies. – Draft telecommunications agreements continue to progress. Final drafts sent to telecoms in January now include forms of highway and bridge permits. – CN Rail private crossing application is complete. – Metro Vancouver Accommodation Agreement fully executed. – Capacity funding agreement signed between the City of Surrey and the Province. – Joint project communications team established. – Responded to public inquires regarding project work in Surrey.
Key Activities for Next 3 Months:	<ul style="list-style-type: none"> – Continue to work with TransLink and railway and utility companies to draft and finalize agreements. – Provide both New Westminster and Surrey with required Traffic Control Plans and contractor submissions as required. – Continue weekly status update meetings with both the City of New Westminster and the City of Surrey. – Continue to attend contractor related meetings with the cities as scheduled. – Review Traffic Management Plans and Traffic Control Plans – Begin the implementation phase community engagement process.

5.3 Public and Stakeholder Engagement

Scope:	<ul style="list-style-type: none"> – Manage ongoing public and stakeholder communications and engagement.
Accomplished in Month:	<ul style="list-style-type: none"> – Responded to public phone and email enquiries. – Planning for Contract Award announcement and event. – Planning for communications activities in the pre-construction period. – Development of incident communications plan. – Communications planning for spring engagement.
Key Activities for Next 3 Months:	<ul style="list-style-type: none"> – Prep for spring engagement, including materials development and event planning and staffing. – Ongoing management of Project communications, including enquiry response. – Oversee finalization of various construction-related communications plans.

6. Project Cost Report

The approved Project budget is \$1.377 billion. The Project spending for the month of February 2020 was \$2.35 million and total Project spending to date is \$53.68 million. The Project is forecast to be on budget.