



PATTULLO BRIDGE
REPLACEMENT



transportation
investment
corporation

Monthly Status Report

Reporting Period

March 2021

1. Introduction

1.1 Project Overview

The Pattullo Bridge is a key connection between the communities of Surrey and New Westminster.

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

The new bridge will provide:

- 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 new bridge is scheduled to open in fall 2023. The existing bridge will remain in use until the new bridge is open to traffic. Once the new bridge is open, the existing bridge will be removed.

Additional information and updates about the Project can be found on the Project's website <https://www.pattullobridgereplacement.ca>.

1.2 Project Delivery

Transportation Investment Corporation, a provincial Crown corporation, is delivering and overseeing this \$1.377 billion Project. The Project will be delivered under B.C.'s Community Benefits Agreement and the Project workforce will be provided by B.C. Infrastructure Benefits Inc.

The Fraser Crossing Project Corporation (Contractor) has been selected to design and build the new bridge and the Province will own and maintain the new bridge when complete.

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.

1.3 Project Goals

Measure specific data to confirm the following Project goals and objectives are being met in accordance with the Project's **Performance Measurement Plan**:

1. Provide a **structurally sound bridge crossing** to 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. Project Update

2.1 Project Dashboard

Project Delivery	Objectives	Project Status	Comments
	Scope Project delivered within the approved scope.	Green	<ul style="list-style-type: none">- Project scope includes a new four-lane bridge, improved connections to, from and near the bridge and dedicated walking and cycling lanes.- Project Team is actively managing scope.
	Schedule Project delivered within the approved schedule.	Red	<ul style="list-style-type: none">- Schedule related risks are being monitored, particularly in relation to regulatory authorizations required for in-river works and on-site investigative work.¹
	Budget Project delivered within the approved budget of \$1.377 billion.	Green	<ul style="list-style-type: none">- Project spending for the month of March 2021 was \$5.6 million.- Total Project spending to date is \$294.8 million; the Project is forecast to be delivered within budget.
	Safety Ensure that Project work is performed safely and in compliance with all applicable safety regulations, and in accordance with government policy.	Green	<ul style="list-style-type: none">- The health and safety plan for the Project work is in place. The plan includes specific COVID-19 protocols.- Lost Time Incident Rate (LTIR) for the Project remains at 0.
	Quality Implement an effective Quality Management System.	Green	<ul style="list-style-type: none">- Fifth shipment of steel pipe pile scheduled to arrive to the Project site in April.- Traffic Quality Management Plan was accepted.- Continued in-person quality monitoring of steel pipe pile fabrication, as well as steel quality testing. The overall product received to date has been acceptable.
	Environmental Ensure our work is performed in an environmentally responsible manner.	Yellow	<ul style="list-style-type: none">- Underwater noise data collected during S1 piling under review to better inform noise mitigation strategy.- Continued to advance the archaeological field program in collaboration with Indigenous groups.
	Design and Construction Provide design and technical oversight, coordinate and manage activities on site and conduct compliance reviews.	Yellow	<ul style="list-style-type: none">- Fifth house demolished in New Westminster. Tree clearing progressing.- Multi-use path (MUP) connections review nearing completion.- Preparing for an additional two physical hydraulic model test runs.
	Community Benefits Work collaboratively with BC Infrastructure Benefits Inc. (BCIB) to successfully implement the Community Benefits Agreement (CBA).	Yellow	<ul style="list-style-type: none">- Continued discussions with BCIB on labour force requirements.- During the month of March, a range of 15 to 25 full-time BCIB dispatched employees actively worked on site.

¹ Information Bulletin providing a Project schedule update was released on April 1, 2021 and is available on the Project website (<https://www.pattullobridgereplacement.ca>).

Partners/Stakeholders	Indigenous Groups	Continue to build and maintain a positive collaborative working relationship.	●	<ul style="list-style-type: none"> - Project Team continues to engage with the Identified Indigenous Groups in relation to Project permitting and opportunities.
	Third Parties	Continue to build and maintain positive relationships and secure agreements with Project partners and other third parties.	●	<ul style="list-style-type: none"> - Multi-use path (MUP) connections review nearing completion. - Continued agreement discussions with TELUS and railway companies. - TransLink existing bridge transfer agreement discussions ongoing.
	Public and Stakeholder Engagement	Continue to build and maintain positive relationships with the community and other stakeholders.	●	<ul style="list-style-type: none"> - Ongoing engagement with local residents and the public continued in the month. This included issuing construction notices for both on-land work and traffic control measures put in place. - Provided a MUP design update to the City of New Westminster Sustainable Transportation Task Force, HUB Cycling and the Walkers' Caucus.

Status	Description
●	Managing critical issues, negotiating resolution; action required immediately
●	Managing some issues, negotiating resolution; action required in the near term
●	Stay the Course – no action required

3. Project Documents and Achievements to Date

Project Deliver	Project Planning and Development	<ul style="list-style-type: none"> – Community Benefits Agreement (July 2018) – Executed Design-Build-Finance Agreement (February 2020) – Project Overview Report (May 2020) – Project Report (July 2020)
-----------------	---	---

	Environmental	<ul style="list-style-type: none"> – EAO Environmental Assessment Certificate (EAC) (April 2019) – Port and Environmental Review (PER) Permit (May 2019) – Canadian Navigable Waters Act Approval (November 2020) – Water Sustainability Act Change Approval (November 2020) – Water Sustainability Act Short Term Use Approval (December 2020) – Fisheries Act Authorization (February 2021)
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) – Construction and land licenses acquired from Vancouver Fraser Port Authority (VFPA); VFPA demolition license finalized (December 2019) – CP Grade Separation Construction Agreement (January 2020) – Shaw Telecommunications Facilities Relocation Agreement (March 2020) – Zayo Telecommunications Facilities Relocation Agreement (March 2020) – CP Overpass Crossing and Maintenance Agreement (December 2020) – TransLink Consent Agreement for in-river works (December 2020)

4. March Highlights and Three Month Lookahead

4.1 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.
---------------	--

	<ul style="list-style-type: none"> - Ensure the Project complies with relevant WorkSafeBC regulations and government requirements.
Monthly Highlights:	<ul style="list-style-type: none"> - Continued to receive health and safety updates and incident reports from BCIB and the Contractor. - Site safety inspections and coordination between the Province, BCIB and the Contractor ongoing. - Total number of incidents documented on the health and safety log for the month was 7. All were deemed minor and none of the incidents resulted in lost time due to injury. Lost Time Incident Rate (LTIR) for the Project remains at 0.
Three Month Lookahead:	<ul style="list-style-type: none"> - Update Safe Work Plans and Safe Job Procedures as required. - Deliver training on the Job Hazard Assessment and Risk Mitigation Plan for all Project Team members. - Conduct OH&S audits as and when required.

4.2 Quality

Scope:	<ul style="list-style-type: none"> - Establish quality management Project objectives and performance measures. - Manage Project quality management activities. - Monitor relevant quality management performance metrics.
Monthly Highlights:	<ul style="list-style-type: none"> - Continued in-person quality auditing of the Contractor's program for the off-shore steel pipe pile fabrication with additional audits being conducted in Canada upon arrival of the steel. - Fifth steel pipe pile shipment was shipped from overseas fabrication site and is scheduled to arrive to the Project site in April. To date, approximately 50% of the total steel pipe pile required has been delivered and a further approximately 95% of the steel pipe pile sections have been fabricated. - Traffic Quality Management Plan was accepted by the Province. - Two new Non-Compliance Reports (NCR) were issued in March. NCR tracking log shows four open NCRs. NCRs to date have been deemed minor and relate to process and procedure. No material or major Quality issues have been identified and the product received to date has been acceptable.
Three Month Lookahead:	<ul style="list-style-type: none"> - Continue steel fabrication quality monitoring, and surveillance auditing and initiate inspections as required. - Ongoing planning for upcoming structural steel milling scheduled to begin in April 2021.

4.3 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 on matters related to EAC and PER permit conditions and commitments made through the environmental assessment process.
---------------	--

	<ul style="list-style-type: none"> - Oversee outstanding environmental permits and associated environmental studies, monitoring, and compliance processes. - Support the Technical Heritage Committee and archaeology investigation program.
Monthly Highlights:	<ul style="list-style-type: none"> - Water Sustainability Act Packages 3 and 4 progressed in the month. Package 3 is under final review by the Ministry of Forests, Lands, Natural Resource Operations & Rural Development. Package 4 is under review by the Project team. - Project team is reviewing underwater noise data collected during the S1 pile-driving in February, to better inform appropriate mitigation and monitoring requirements for in-river works. - Continued to advance the archaeological field program in collaboration with Indigenous groups. - Five Environmental Incident Reports were issued in the month, all were deemed minor.
Three Month Lookahead:	<ul style="list-style-type: none"> - Continue archeological monitoring and archaeological investigations. - Continue to liaise with regulators on follow-up actions and commitments arising from the required Project permits and approvals. Including working with the Contractor and third-party experts to review underwater noise data and determine appropriate mitigation and monitoring requirements for in-river works.

4.4 Design and Construction

Scope:	<ul style="list-style-type: none"> - Travel demand forecasting, traffic operations modelling, traffic data collection, and other related engineering services in support of the Project. - Review the final bridge design including roadways, associated structures, drainage, and utilities. - Compliance reviews during construction. - Provide oversight of contractor on-site activities throughout the Project's lifecycle. - Management of the Project's schedule, scope and progress.
Monthly Highlights:	<ul style="list-style-type: none"> - Fifth house was demolished in New Westminster and tree clearing is underway. - Progressed the preparations of the physical hydraulic model for an additional two model test runs. 3241 - Continued to progress the archaeological investigation at pier locations in Surrey. - Daily site monitoring and reporting ongoing.
Three Month Lookahead:	<ul style="list-style-type: none"> - Complete additional physical hydraulic model runs. - Complete monthly riverbed monitoring surveys. - Complete the demolition of homes and tree clearing in both New Westminster and Surrey in support of site preparation. - Progress archaeological investigations at pier locations in both Surrey and New Westminster.

4.5 Indigenous Groups

Scope:	<ul style="list-style-type: none">- Consultation and engagement with the Identified Indigenous Groups (IIGs) as set out in the EAC.- Engagement with Indigenous groups on Project opportunities and benefits including project benefit agreements and contracting opportunities.
Monthly Highlights:	<ul style="list-style-type: none">- Two Technical Heritage Committee (THC) meetings were held in March with Indigenous groups.- Eight out of nine project agreements signed with IIGs.- Indigenous Art and Cultural Recognition (IACR) technical feasibility review was completed. Consultation on findings underway.
Three Month Lookahead:	<ul style="list-style-type: none">- Continue meetings with the THC.- Continue meetings with the Indigenous Marine Users Group.- Continue to facilitate meetings between Indigenous groups and the Project.- Progress IACR opportunities including finalizing the process for art and artist selection.

4.6 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.
Monthly Highlights:	<ul style="list-style-type: none">- Continued meeting weekly with the City of Surrey and City of New Westminster.- Coordinated comments from the municipalities on the Project's Design, including those on traffic management, utility design, drainage, roadway alignments and multi-use path connection.- Continued agreement discussions with TELUS and railway companies.- Progressed handover/transfer agreement regarding the existing bridge with TransLink.
Three Month Lookahead:	<ul style="list-style-type: none">- Continue to receive and provide comments from the municipalities on the Projects design.- Continue to work with railways, TELUS and TransLink to finalize agreements.- Continue coordination with FortisBC regarding the Pattullo Gas Line Replacement.

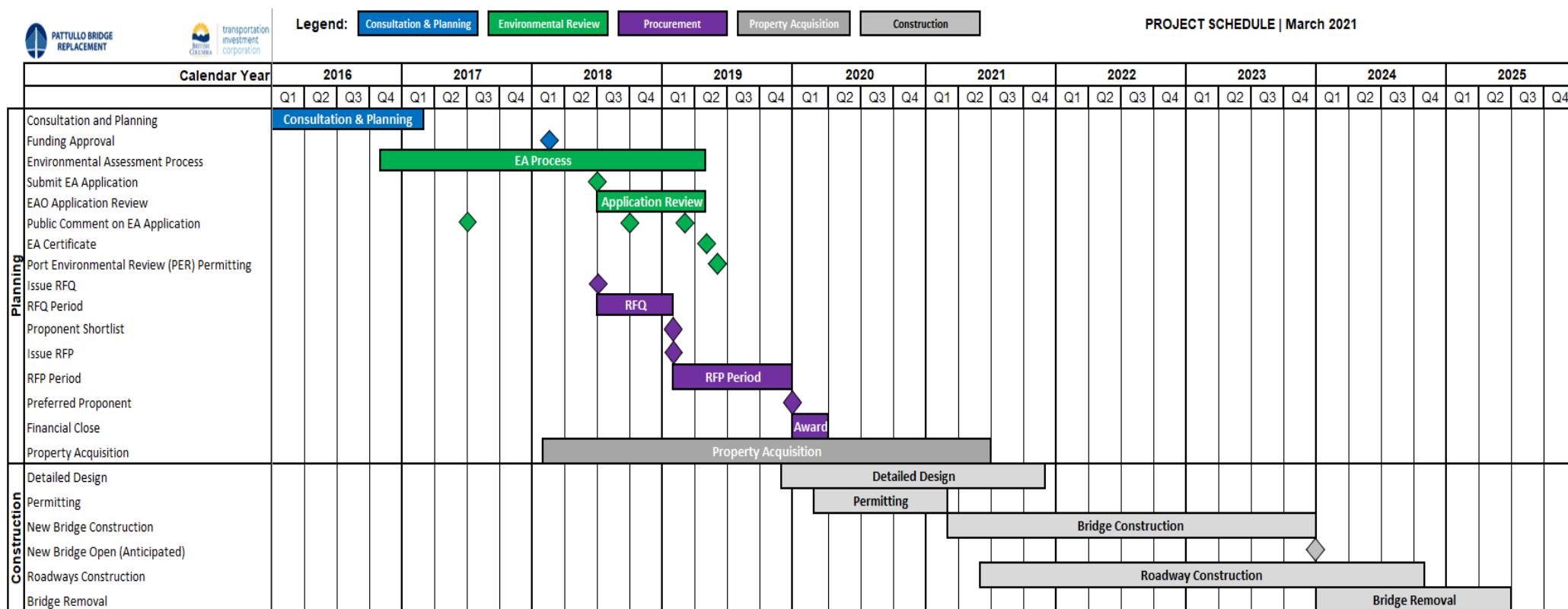
4.7 Public and Stakeholder Engagement

Scope:	<ul style="list-style-type: none">- Manage ongoing public and stakeholder communications and engagement.
Monthly Highlights:	<ul style="list-style-type: none">- Continued to provide communication updates regarding site activity work including notification distribution to residents, business and stakeholders. Notifications are being

	<p>posted to website, e-mailed to local resident and business associations, and sent to the e-mail subscription list.</p> <ul style="list-style-type: none"> - Provided an update on the MUP design to the City of New Westminster Sustainable Transportation Task Force; followed by an additional meeting with HUB Cycling and the Walkers' Caucus. - Provide responses and updates regarding in-river construction and MUP connections to interested stakeholders.
Three Month Lookahead:	<ul style="list-style-type: none"> - Continued engagement with key stakeholders in New Westminster and Surrey regarding Project designs and construction plans, including with resident groups, HUB Cycling and the Walkers' Caucus. - Meet with the City of New Westminster City Council to discuss the multi-use path (MUP) design. - Ongoing management of Project communications, including incident response, enquiry response, Project information sheets and construction notices. - Finalize the social media strategy for Project.

5. Schedule

The following schedule depicts deliverables, milestones² and associated dates and timelines for the implementation phase of the Project, as well as anticipated construction timelines.



² An updated schedule, which reflects the schedule milestone changes outlined in the April 1, 2021 Information Bulletin, will be provided in future Monthly Status Reports.

6. Project Photos



FIGURE 1 – PILE SPLICING OF STARTER SECTIONS

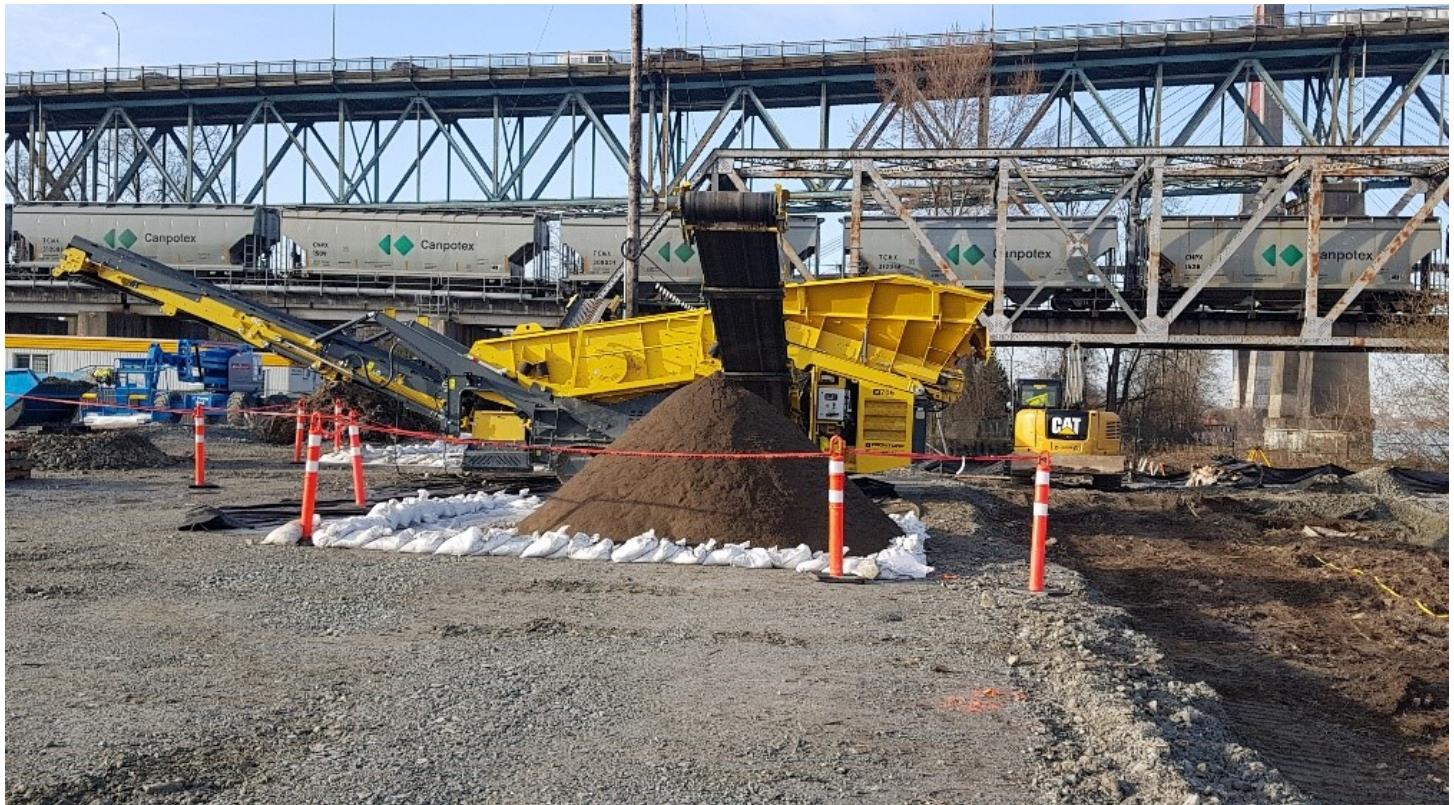


FIGURE 2 – MECHANICAL SCREENER AT S2



FIGURE 3 – HOUSE DEMOLITION IN NEW WESTMINSTER

Pattullo Bridge Replacement Project

Monthly Status Report | March 2021