

# Monthly Status Report

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**Reporting Period: October 2020**

## 1. Introduction

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### 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 (CBA) and the Project workforce will be provided by B.C. Infrastructure Benefits Inc (BCIB).

Fraser Crossing Partners 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

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

	Objectives	Overall Project	DBF Contract	Owner/Other	Comments	
Project Delivery	<b>Scope</b>	Project delivered within the approved scope.	●	●	●	Project Team is actively managing scope.
	<b>Schedule</b>	Project delivered within the approved schedule.	●	●	●	Schedule related risks are being monitored, particularly in relation to regulatory authorizations required for in-river works. The Project is actively working to mitigate any potential impacts.
	<b>Budget</b>	Project delivered within the approved budget.	●	●	●	Project has an approved budget of \$1.377 billion. Actual and forecasted Project expenditures are within the approved budget.
	<b>Safety</b>	Ensure that Project work is performed safely and in compliance with all applicable safety regulations, and in accordance with government policy.	●	●	●	The health and safety plan for the Project work is in place. The plan includes specific protocols to provide for the COVID-19 pandemic.
	<b>Quality</b>	Implement an effective Quality Management System	●	●	●	Work-specific quality management plans in place. Continued in-person quality monitoring of steel pipe pile fabrication, as well as steel quality testing.
	<b>Environmental</b>	Ensure our work is performed in an environmentally responsible manner.	●	●	●	Consultation with Indigenous Groups regarding required permits continued. Contractor submitted a request to amend the PER Permit to allow activities to occur outside of defined work hours.
	<b>Property Acquisition</b>	Acquire and manage properties required to deliver the Project.	●	●	●	Working to acquire additional properties confirmed to be required for the contractor's design.
	<b>Design and Construction</b>	Provide technical oversight, coordinate and manage the contractor's activities on site and conduct compliance reviews of work done by the contractor.	●	●	●	Completed a physical hydraulic model test run. Geotechnical investigation, including static pile load test, continues with remote archeological monitoring in-place. Progressed archaeological investigations at pier locations in the City of Surrey.
	<b>Community Benefits</b>	Work collaboratively with BCIB to successfully implement the CBA.	●	●	●	Approximately 12 full time CBA hired employees are working on site. BCIB temporary site office has been set up. Discussions on permitting ongoing.
Partners/Stakeholders	<b>Indigenous Groups</b>	Continue to build and maintain a positive collaborative working relationship.	●	●	●	Project Team continues to engage with the Identified Indigenous Groups (IIG) in relation to project permitting and opportunities. Continued Project Agreement discussions with several Indigenous Groups.
	<b>Third Parties</b>	Continue to build and maintain positive relationships and secure agreements with Project partners and other third parties.	●	●	●	Continued agreement discussions with TransLink, TELUS and railway companies. Multi-Use Path (MUP) connections review ongoing in response to feedback received; design refinements under consideration.
	<b>Public and Stakeholder Engagement</b>	Continue to build and maintain positive relationships with the community and other stakeholders.	●	●	●	Work continued on the development of communication plans related to specific works.

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

## 2.2 Key Milestones Achieved to Date

Project Delivery	Project Planning and Development	<ul style="list-style-type: none"> <li>– <a href="#">Project Overview Report</a> (May 2020)</li> <li>– <a href="#">Executed Design-Build-Finance Agreement</a> (February 2020)</li> <li>– <a href="#">Project Report</a> (July 2020)</li> </ul>
	Environmental	<ul style="list-style-type: none"> <li>– <a href="#">Environmental Assessment Application</a> (August 2018)</li> <li>– <a href="#">EAO Assessment Report</a> (April 2019)</li> <li>– <a href="#">EAO Environmental Assessment Certificate (EAC)</a> (April 2019)</li> <li>– <a href="#">Port and Environmental Review (PER) Permit</a> (May 2019)</li> </ul>
Partners/ Stakeholders	Third Parties	<ul style="list-style-type: none"> <li>– CN Master Use Agreement (May 2019)</li> <li>– <a href="#">City of Surrey Municipal Agreement</a> (September 2019)</li> <li>– City of New Westminster Municipal Agreement (September 2019)</li> <li>– Metro Vancouver Accommodation Agreement (December 2019)</li> <li>– VFPA demolition license finalized (December 2019)</li> <li>– Shaw Telecommunications Facilities Relocation Agreement (March 2020)</li> <li>– Zayo Telecommunications Facilities Relocation Agreement (March 2020)</li> </ul>

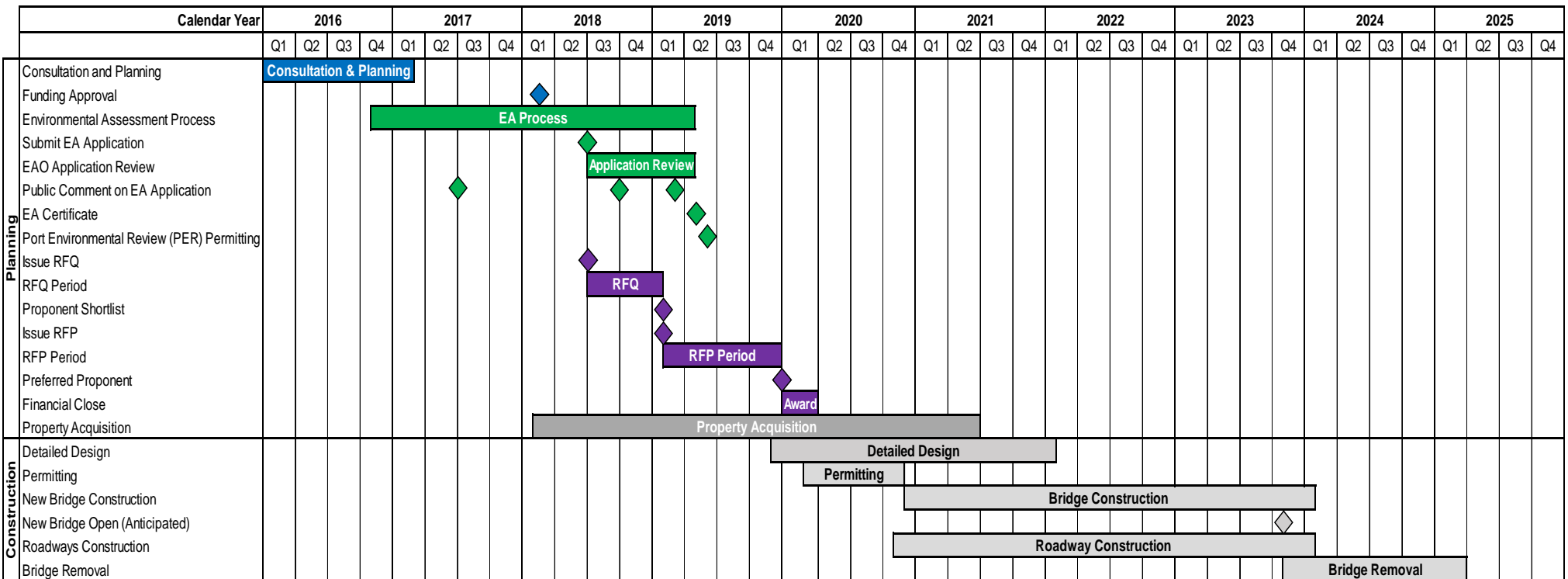
## 2.3 October Highlights

Project Delivery	Safety	<ul style="list-style-type: none"> <li>– Five incidents were registered on the Project’s Health and Safety log for the month. None of the incidents resulted in lost time due to injury and all were deemed minor. The Project’s Lost Time Injury Rate remains at 0.</li> </ul>
	Quality	<ul style="list-style-type: none"> <li>– Continued in person quality monitoring of steel pipe pile fabrication.</li> <li>– Contractor issued Quality Audit report to the Project team reviewing the implementation of the Quality Management Plan.</li> </ul>
	Environmental	<ul style="list-style-type: none"> <li>– The contractor submitted a request to amend the PER Permit to allow activities to occur outside of defined work hours.</li> <li>– The Project team received two Environmental Incident Report’s in the month. Neither incident was deemed to have impacted sensitive environmental receptors.</li> </ul>
	Design and Construction	<ul style="list-style-type: none"> <li>– Completed preparation works for the static load pile test.</li> <li>– Contractor drove all reaction piles and the test pile needed for the pile load test.</li> </ul>
Partners/ Stakeholders	Third Parties	<ul style="list-style-type: none"> <li>– Continued to review multi-use path connection plans with the municipalities.</li> </ul>
	Indigenous Groups	<ul style="list-style-type: none"> <li>– Three Technical Heritage Committee meetings and one Indigenous Marine Users Working Group meeting were held in October with participating IIG representatives.</li> </ul>
	Public and Stakeholder Engagement	<ul style="list-style-type: none"> <li>– New Project website and branding finalized.</li> </ul>

## 3. Schedule

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

**Pattullo Bridge Replacement Project**
 Legend: 
 Consultation & Planning
Environmental Review
Procurement
Property Acquisition
Construction
PROJECT SCHEDULE | October 2020



## 4. Project Delivery

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### 4.1 Safety

<b>Scope:</b>	<ul style="list-style-type: none"> <li>- Establish Occupational Health and Safety (OH&amp;S) Project delivery objectives and performance measures.</li> <li>- Manage Project OH&amp;S activities.</li> <li>- Monitor relevant OH&amp;S performance metrics.</li> <li>- Ensure the Project complies with relevant WorkSafeBC regulations and government requirements.</li> </ul>
<b>Accomplished in Month:</b>	<ul style="list-style-type: none"> <li>- The contractor's Health and Safety Program is in place.</li> <li>- Continued to receive health and safety updates from BCIB and the contractor.</li> <li>- Site safety inspections and coordination ongoing.</li> </ul>
<b>Key Activities for Next 3 Months:</b>	<ul style="list-style-type: none"> <li>- Update Safe Work Plans and Safe Job Procedures as required.</li> <li>- Deliver training on the Job Hazard Assessment and Risk Mitigation Plan for all Project Team members.</li> <li>- Conduct OH&amp;S audits as and when required.</li> </ul>

### 4.2 Quality

<b>Scope:</b>	<ul style="list-style-type: none"> <li>- Establish quality management Project objectives and performance measures.</li> <li>- Manage Project quality management activities.</li> <li>- Monitor relevant quality management performance metrics.</li> </ul>
<b>Accomplished in Month:</b>	<ul style="list-style-type: none"> <li>- Continued the TI Corp quality oversight of the overseas fabrication of steel pipe piles.</li> <li>- Continued Non-conformity Reporting (NCR) and verification activities related to the Non-conformity Report tracking system. The contractor is refining its reporting process.</li> </ul>
<b>Key Activities for Next 3 Months:</b>	<ul style="list-style-type: none"> <li>- Continue to manage the TI Corp quality management audit program including identifying Non-Compliance Events.</li> <li>- Continue steel fabrication quality monitoring, and surveillance auditing and initiate inspections as required.</li> </ul>

### 4.3 Environmental

<b>Scope:</b>	<ul style="list-style-type: none"> <li>- Manage follow-up and compliance actions required under the Environmental Assessment Certificate (EAC) and the Port and Environmental Review (PER) permit.</li> <li>- Liaise with regulators on matters related to EAC and PER permit conditions and commitments made through the environmental assessment process.</li> </ul>
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	<ul style="list-style-type: none"> <li>- Oversee outstanding environmental permits and associated environmental studies, monitoring, and compliance processes.</li> <li>- Support the Technical Heritage Committee (THC) initiative and archaeology investigation program.</li> </ul>
<b>Accomplished in Month:</b>	<ul style="list-style-type: none"> <li>- Comments on all environmental management plans required under the EAC were received from Identified Indigenous Groups.</li> <li>- An administrative EAC amendment to the Certified Project Boundary for additional scour protection was accepted by the EAO.</li> <li>- Application made to amend the PER permit to allow activities to occur outside of the defined work hours.</li> <li>- Continued to advance the archaeological field program in collaboration with Indigenous groups. Work has progressed more slowly than anticipated due to COVID-19 related restrictions and impacts.</li> </ul>
<b>Key Activities for Next 3 Months:</b>	<ul style="list-style-type: none"> <li>- Continue to liaise with environmental regulators on follow-up actions and commitments arising from the EAC and PER permit.</li> <li>- Continue to meet with key regulators in support of progressing Project permitting.</li> <li>- Continue archeological monitoring and archaeological investigations.</li> </ul>

## 4.4 Property Acquisition

<b>Scope:</b>	<ul style="list-style-type: none"> <li>- Review of properties along the Project corridor and refinement of property acquisition plans.</li> <li>- Acquire land required to deliver the Project.</li> <li>- 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.</li> </ul>
<b>Accomplished in Month:</b>	<ul style="list-style-type: none"> <li>- Negotiations ongoing for additional property required for the contractor's design.</li> <li>- Property negotiations ongoing following stakeholder consultation in New Westminster.</li> <li>- Continued discussions with the VFPA regarding the use of existing pilings in the Fraser River by the contractor.</li> </ul>
<b>Key Activities for Next 3 Months:</b>	<ul style="list-style-type: none"> <li>- Continue property negotiations with owners to secure final agreements or agreements in principle.</li> <li>- Finalize property surveys where required.</li> <li>- Obtain executed survey plans from utility and rail companies to secure Arterial Highway tenure on Provincially owned land.</li> <li>- Finalize agreement to retain existing pilings in the Fraser River for use by the contractor.</li> </ul>

## 4.5 Design and Construction

<b>Scope:</b>	<ul style="list-style-type: none"> <li>- Travel demand forecasting, traffic operations modelling, traffic data collection, and other related engineering services in support of the Project.</li> <li>- Review the final bridge design including roadways, associated structures, drainage, and utilities.</li> <li>- Compliance reviews during construction.</li> <li>- Provide oversight of contractor on-site activities throughout the Project’s lifecycle.</li> <li>- Management of the Project’s schedule, scope and progress.</li> </ul>
<b>Accomplished in Month:</b>	<ul style="list-style-type: none"> <li>- Reviewed and provided input into the contractor’s river hydraulics management plan and other river hydraulics related documents.</li> <li>- Completed monthly riverbed monitoring surveys and data collection.</li> <li>- Collected data during the installation of piles for the static pile load test geotechnical investigations.</li> <li>- Contractor drove all reaction piles and the test pile needed for the static pile load test.</li> <li>- Attended technical meetings with the contractor to discuss technical aspects of their design, as well as geotechnical and archaeological field investigation works.</li> <li>- The contractor’s geotechnical investigation program in both New Westminster and Surrey continued with remote archaeological monitoring in-place.</li> <li>- Continued to progress the archaeological investigation at pier locations in Surrey.</li> <li>- Brushing work continued.</li> <li>- Daily site monitoring and reporting ongoing.</li> <li>- The investigation and locating of existing utilities in the Project area continued to progress.</li> </ul>
<b>Key Activities for Next 3 Months:</b>	<ul style="list-style-type: none"> <li>- Run additional physical hydraulic model test as required.</li> <li>- Complete detailed internal review of all the physical modelling test results.</li> <li>- Complete monthly riverbed monitoring surveys.</li> <li>- Complete compliance reviews during construction.</li> <li>- Archaeological assessment work to continue.</li> <li>- Complete set up of the Project office.</li> <li>- Complete the geotechnical investigation program.</li> <li>- Complete the investigation and locating of existing utilities in the Project area.</li> <li>- Complete the demolition of homes in New Westminster in support of site preparation.</li> </ul>

## 4.6 Community Benefits

<b>Scope:</b>	<ul style="list-style-type: none"> <li>– Work collaboratively with British Columbia Infrastructure Benefits Inc. (BCIB) to successfully implement the Community Benefits Agreement (CBA).</li> </ul>
<b>Accomplished in Month:</b>	<ul style="list-style-type: none"> <li>– BCIB labour currently on site with approximately 12 full time CBA hired employees actively working.</li> <li>– BCIB temporary site office has been set up.</li> </ul>



	<ul style="list-style-type: none"> <li>– Ongoing coordination with BCIB to ensure the onboarding of employees has been adapted to address COVID-19 public health guidelines.</li> <li>– BCIB and the contractor discussing permits for upcoming site work.</li> <li>– Daily status update meetings are held with BCIB site administration.</li> </ul>
<b>Key Activities for Next 3 Months:</b>	<ul style="list-style-type: none"> <li>– Follow-up with BCIB site safety protocols implementation.</li> <li>– Ongoing collaboration with BCIB on Project requirements and implementation readiness.</li> <li>– Continue to have status update meetings with BCIB.</li> </ul>

## 5. Partners/Stakeholders

### 5.1 Indigenous Groups

<b>Scope:</b>	<ul style="list-style-type: none"> <li>- Consultation and engagement with the Identified Indigenous Groups (IIGs) as set out in the EAC.</li> </ul>
<b>Accomplished in Month:</b>	<ul style="list-style-type: none"> <li>- Bi-weekly meetings held with BCIB and the contractor on Indigenous Employment and Contracting</li> <li>- Three Technical Heritage Committee (THC) meetings were held in November 2020 with Indigenous groups.</li> <li>- An Indigenous Marine Users Working Group meeting was held.</li> <li>- Facilitated regular meetings between Indigenous group and the contractor.</li> <li>- Continued presenting proposed Indigenous Art and Cultural Recognition (IACR) options to Indigenous groups.</li> </ul>
<b>Key Activities for Next 3 Months:</b>	<ul style="list-style-type: none"> <li>- Continue meetings with the Technical Heritage Committee.</li> <li>- Continue meetings with the Indigenous Marine Users Group.</li> <li>- Continue to facilitate meetings between Indigenous groups, BCIB, and the contractor.</li> <li>- Continue discussions with the contractor on Indigenous Art and Cultural Recognition opportunities including the process for art selection.</li> </ul>

### 5.2 Third Parties

<b>Scope:</b>	<ul style="list-style-type: none"> <li>- Engage with Municipalities (City of New Westminster and City of Surrey) for the Project implementation phase.</li> <li>- Municipal Agreements.</li> <li>- Railway Construction and Crossing Agreements.</li> <li>- Utility Agreements.</li> <li>- TransLink Agreement.</li> </ul>
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<b>Accomplished in Month:</b>	<ul style="list-style-type: none"> <li>- Continued meeting weekly with the City of Surrey and City of New Westminster.</li> <li>- Coordinated meetings, as required, between the municipalities, utilities, and the contractor.</li> <li>- Coordinated comments from the municipalities on the contractor’s design, including those on traffic management, utility design, drainage, roadway alignments and multi-use path connection, and incorporated these comments into responses issued to the contractor.</li> <li>- Continued coordination with FortisBC in regards to the Pattullo Gas Line Replacement.</li> <li>- Meeting held with CN Rail to provide Project update.</li> </ul>
<b>Key Activities for Next 3 Months:</b>	<ul style="list-style-type: none"> <li>- Continue to provide and receive comment from the municipalities on the contractor’s design and provide these comments into responses issued to the contractor.</li> <li>- Continue to work with railways and TELUS to finalize agreements.</li> <li>- Continue to meet and coordinate with railways and utilities.</li> <li>- Continue coordination with FortisBC regarding the Pattullo Gas Line Replacement.</li> </ul>

## 5.3 Public and Stakeholder Engagement

<b>Scope:</b>	<ul style="list-style-type: none"> <li>- Manage ongoing public and stakeholder communications and engagement.</li> </ul>
<b>Accomplished in Month:</b>	<ul style="list-style-type: none"> <li>- Continued to develop presentations and graphics for stakeholder virtual meetings.</li> <li>- Continued collaboration with the contractor’s communications team regarding site activity notifications and distribution to residents, business and stakeholders.</li> <li>- Provide responses and updates regarding multi-use path connections to interested stakeholders.</li> <li>- Development of stakeholder specific communication and engagement plans ongoing.</li> </ul>
<b>Key Activities for Next 3 Months:</b>	<ul style="list-style-type: none"> <li>- 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.</li> <li>- Ongoing management of Project communications, including inquiry response.</li> </ul>

## 6. Project Cost Report

The approved Project budget is \$1.377 billion. The Project spending for the month of October 2020 was \$13.5 million and total Project spending to date is \$239.4 million. The Project is forecast to be on budget.