

Monthly Status Report

Reporting Period: May 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.	●	●	●	A number of schedule related risks are being monitored, particularly with respect to COVID-19 related complications with conducting archeological investigations on site, as well as general permit related schedule risk. The Project Team and contractor are actively working to mitigate potential impacts.
	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. A contingency draw may be required should schedule risks materialize.
	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.	●	●	●	Requirements of the contractor are defined within the Design-Build-Finance contract. COVID-19 public health guidelines are reflected in the contractors updated safety plans.
	Quality	Implement an effective Quality Management System	●	●	●	The Project's Quality Management Plan is being finalized. The contractor's Noncompliance Tracking System is in place. Project Team quality audits to take place in coming months.
	Environmental	Ensure our work is performed in an environmentally responsible manner.	●	●	●	The contractor is developing the plans required by the Project's Environmental Assessment Certificate and Port Environmental Review permit. An application has been made for approval under the Canadian Navigable Waters Act. The application for a Fisheries Act Authorization is being finalized. Archeological field work has progressed more slowly than anticipated as a result of COVID-19 related restrictions and impacts.
	Property Acquisition	Acquire and manage properties required to deliver the Project.	●	●	●	Project Vancouver Fraser Port Authority (VFPA) licences in place. Working to acquire additional properties confirmed to be required for the contractor's 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 and CBA labour starting on site.
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, Shaw, Zayo, and Metro Vancouver agreements executed.
	Public and Stakeholder Engagement	Continue to build and maintain positive relationships with the community and other stakeholders.	●	●	●	Communication and engagement continues, virtual public and stakeholder engagement has begun to provide information on the Project design and upcoming construction activities.

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. Introduction

2.1 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.

2.2 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.

Fraser Crossing Partners has been selected to design and build the new bridge.

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.

2.3 Key Milestones Achieved to Date

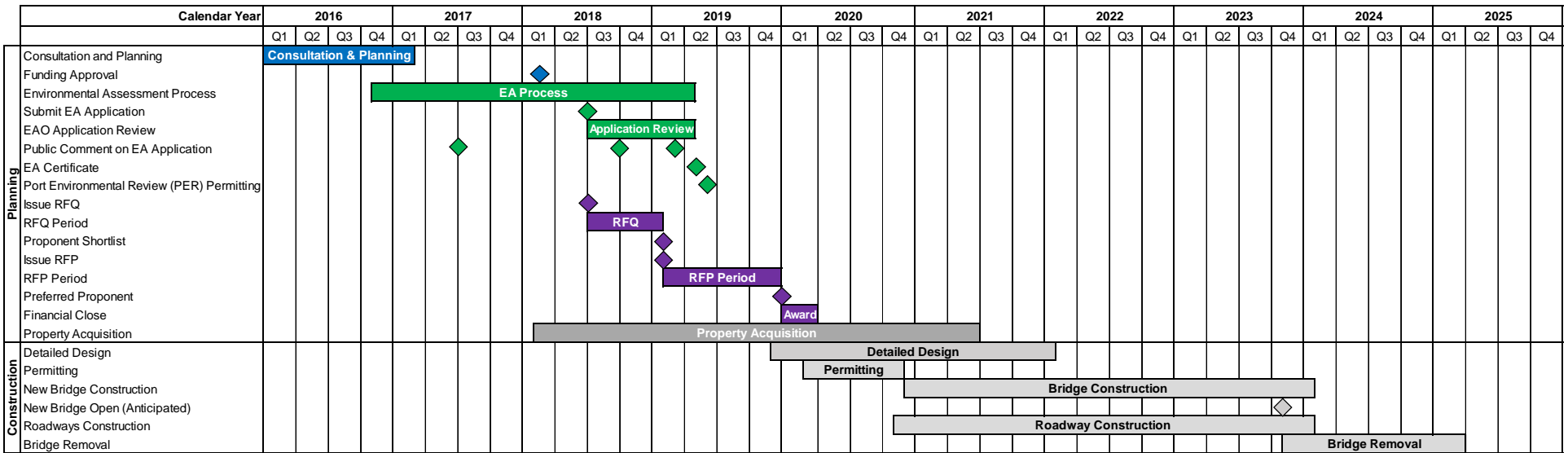
Project Delivery	Project Planning and Development	<ul style="list-style-type: none"> – Business Case (January 2018) – Strategic Options Analysis (January 2018) – Cost Report (January 2018) – Risk Report (January 2018)
	Procurement	<ul style="list-style-type: none"> – Procurement Options Report (January 2018) – Request for Qualifications Issued (July 2018) – Request for Qualifications Fairness Advisor Report (November 2018) – Relationship Review Process (February 2019) – Relationship Review Consultant Protocol (February 2019) – Proponent Shortlist Announced (February 2019) – Request for Proposals Issued (February 2019) – Request for Proposals 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 licenses acquired from Vancouver Fraser Port Authority (VFPA); VFPA demolition license 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) – Shaw Telecommunications Facilities Relocation Agreement (March 2020) – Zayo Telecommunications Facilities Relocation Agreement (March 2020)
	Public and Stakeholder Engagement	<ul style="list-style-type: none"> – Completion of three phases of public consultation – Project Overview Report (May 2020)

2.4 May Highlights

Project Delivery	Contract Administration	<ul style="list-style-type: none"> – Received and processed draw request from the contractor. – Received and replied to submittals, letters and transmissions from the contractor. – Progressed discussions on the file management protocols used in correspondence to and from the contractor.
	Environmental	<ul style="list-style-type: none"> – Continued archaeological investigation and remote monitoring. – Initial application was made to Fisheries and Oceans Canada for a Fisheries Act Authorization; application is being finalized. – Application was made to Transport Canada for approval under the Canadian Navigable Waters Act. – Facilitated working groups meetings with IIG's, stakeholders and regulators.
	Property Acquisition	<ul style="list-style-type: none"> – Distributed survey packages to utility companies on Crown Land.
	Technical	<ul style="list-style-type: none"> – Completed third river hydraulics physical hydraulic model run and data collection.
	Community Benefits	<ul style="list-style-type: none"> – Progressed health and safety planning between BCIB and the contractor to align requirements.
Partners/Stakeholders	Third Parties	<ul style="list-style-type: none"> – Capacity funding agreement signed between the City of New Westminster and the Province. – Reviewed traffic control plans submitted by the contractor with the municipalities.
	Indigenous Groups	<ul style="list-style-type: none"> – Two Technical Heritage Committee meetings were held in May with participating Identified Indigenous Group representatives. – Continued presenting Indigenous Art and Cultural Recognition options to Identified Indigenous Groups and distributed a Project update.
	Public and Stakeholder Engagement	<ul style="list-style-type: none"> – Finalized the Project Overview document and posted it to the Project website. – Finalized and began executing the spring virtual engagement plan.

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, cost and schedule.– 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 TI Corp project controls meetings with an aim to align processes and procedures across all projects being delivered by TI Corp.– Held regular project finance, project controls, risk management and project leadership meetings to manage the Project’s contracts, scope, schedule, and cost.– Implemented procedures for issues management.
Key Activities for Next 3 Months:	<ul style="list-style-type: none">– Continue to hold regular project controls meetings within the Project Team, across other projects within TI Corp and with Project leadership.– Monitor Project schedule, scope, and budget through monthly reporting from Discipline Leads to the project controls team, for reporting to Project 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), the Ministry of Transportation and Infrastructure (MOTI) and the contractor regarding site health and safety management. – Reviewed multiple safety-specific submittals from the contractor. – Reviewed various safety plans from Project Team consulting contractors – Progressed health and safety planning between BCIB and the contractor to align requirements.
Key Activities for Next 3 Months:	<ul style="list-style-type: none"> – Review the contractor’s Health and Safety Plan as they mobilize to site. – Deliver training on the project Job Hazard Assessment and risk mitigation plan for all affected Project Team members. – Conduct a site inspection prior to TI Corp employees mobilizing to site and update the Project Team Site Safety Plan as required. – Provide health and safety orientation to new Project Team members. – Complete the development of OH&S auditing processes and procedures. – Conduct an 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 including review of contractor submittals. – 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"> – Reviewed and responded to Quality Management submittals from the contractor. – Updated the draft Project Quality Management Plan. – Updated training presentations that outline process, procedures and work methods. – Conducted review sessions and updated Project Team Work Methods for the contractor’s Noncompliance Tracking System – Progressed the detailed workplan for the Project’s audit program.
Key Activities for Next 3 Months:	<ul style="list-style-type: none"> – Finalize the Project Quality Management Plan and supporting documentation to guide the oversight of the design and construction activities. – Executive review and approval of the Quality Management Plan.

	<ul style="list-style-type: none"> – Provide implementation-phase quality management orientations to the Project Team. – Commence the Province’s Audit Program. – Start the planning of steel fabrication quality monitoring, and surveillance auditing and initiate inspections as required.
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4.4 Contract Administration

Scope:	<ul style="list-style-type: none"> – Management of the Design-Build-Finance agreement.
Accomplished in Month:	<ul style="list-style-type: none"> – Held regular project coordination meetings with the contractor. – Received and responded to submittals, transmittals and letters from the contractor. – Received the contractor’s insurance policies and probable maximum loss report. – Continued Project Team meetings on risk and issues Management. – Progressed discussions on the file management protocols used in correspondence to and from the contractor.
Key Activities for Next 3 Months:	<ul style="list-style-type: none"> – Manage the implementation of the Design-Build-Finance agreement, including monitoring the contractor’s compliance with agreement requirements. – Continue to hold regular project coordination meetings with the contractor. – Continue to respond to submittals, transmittals and letters from the contractor.

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 on matters related to EAC and PER permit conditions and commitments made through the environmental assessment process. – Oversee outstanding environmental permits and associated environmental studies, monitoring, and compliance processes. – Support the Technical Heritage Committee (THC) initiative and archaeology investigation program. – Provide environmental support to the Project Team during the review of contractor submittals
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<p>Accomplished in Month:</p>	<ul style="list-style-type: none"> – Initial application was made to Fisheries and Oceans Canada for a Fisheries Act Authorization by the contractor; application is under completeness review. – Application was made to Transport Canada by the contractor for approval under the Canadian Navigable Waters Act. – Continued review and respond to Environmental Management Plans developed by the contractor, as required under the EAC and the PER permits. – Began review of Water Sustainability Act permit application Package 2 prepared by the contractor. – Coordinated working group meetings with the Identified Indigenous Groups, regulators and contractor to continue consultation on the Project. – Worked with executive and team leads in drafting various correspondence regarding contractor submittals. – Continued to facilitate the remote archeological monitoring during COVID-19 in support of the contractor’s geotechnical investigations. – Archaeological assessments continued for the static load pile test with remote monitoring in-place. Work has progressed more slowly than anticipated due to COVID-19 related restrictions and impacts. – Planning progressed for archeological investigation program on the south approach. This work has been delayed as a result of COVID-19 related restrictions. – Continuing to advance the Static Load Test and archaeological field program in collaboration with the contractor and the THC.
<p>Key Activities for Next 3 Months:</p>	<ul style="list-style-type: none"> – Continue to liaise with environmental regulators on follow-up actions and commitments arising from the EAC and PER permit. – Review the contractor’s Environmental Management Plans and other related submittals. – Continue to meet with the Identified Indigenous Groups related to the contractor’s FAA application and other key Environmental Management Plans. – Continue to facilitate meetings with key regulators and the contractor, as required, to support the project implementation phase. – Continue to liaise with key environmental regulators to support the contractor on permitting considerations. – Continue to review and provide comment on Water Sustainability Act permit applications (Package 1 & 2) prior to it being submitted to the regulator for approval. – Continue remote archeological monitoring and archaeological 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 property required by the contractor’s design; negotiations ongoing.
Key Activities for Next 3 Months:	<ul style="list-style-type: none">– Continue property negotiations 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.– Obtain executions of survey plans from utility and rail companies to secure Arterial Highway tenure on Provincially owned land.

4.7 Technical and Site Activities

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.– Review the final bridge design including roadways, associated structures, drainage, and utilities.– Oversight of the construction of foundation, substructure, and superstructure for the bridge including upgrades to surrounding road networks.– 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 including permit applications.

	<ul style="list-style-type: none"> – Attended technical meetings with the contractor to discuss technical aspects of their design, as well as geotechnical and archaeological field investigation works. – Completed preparation, testing and data collection for the third river hydraulics physical model test scenario (flood of record post construction). – Commenced replacement of physical model walnut shell material in preparation for the fourth river hydraulics model test. – Contractor completed the baseline survey field work. – The contractor’s geotechnical investigation continued with remote archeological monitoring in-place. – The static load pile test is on hold until archeological work is completed. – Preparations continued for mobilizing the project office. – Reviewed and provided input into the Project’s Quality Management program documents.
<p>Key Activities for Next 3 Months:</p>	<ul style="list-style-type: none"> – Complete monthly riverbed monitoring. – Provide technical support during stakeholder consultation. – Continue meeting with stakeholders and regulatory authorities. – Conduct the construction scenario river hydraulics physical model tests and provide all data to the contractor. – Complete compliance reviews during advanced works including geotechnical and archaeological investigations works. – Archeological assessment work will continue in advance of construction works. – The contractor to complete the on-shore geotechnical investigation. – The contractor will continue to progress and complete the static load pile test. – The contractor will commence on the project site office. – Continue reviewing contractor submittals.

4.8 Community Benefits

<p>Scope:</p>	<ul style="list-style-type: none"> – Work collaboratively with BCIB to successfully implement the Community Benefits Agreement (CBA).
<p>Accomplished in Month:</p>	<ul style="list-style-type: none"> – Facilitated meetings between the contractor, BCIB and TI Corp regarding health and site safety protocols. – Continuing discussions with the contractor and BCIB on CBA labour starting on site. – Joint review of rolling labour forecasts received by BCIB, pursuant to BCA, from contractor to discern alignment with rolling schedule received by TI Corp.

	<ul style="list-style-type: none"> – Continue coordinating with BCIB to make sure the onboarding of employees has been adapted to address Covid-19 public health guidelines. – Participated in weekly joint operations' meetings with BCIB.
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. – Continue to have weekly joint operations meetings with BCIB. – Finalize preparations for BCIB managed labour.

5. Partners/Stakeholders

5.1 Indigenous Groups

Scope:	<ul style="list-style-type: none"> – Consultation and engagement with the Identified Indigenous Groups (IIGs) as set out in the EAC.
Accomplished in Month:	<ul style="list-style-type: none"> – Meeting on a bi-weekly basis with the Project Team and the contractor regarding the Indigenous Art and Cultural Recognition Program. – Received and began review of the Indigenous Participation Plan from the contractor. – Technical Heritage Committee meetings were held on May 7th and 14th with IIG representatives. – Continued to respond to comments from the IIGs related to permits, plans, and other ongoing Project components. – Continued to engage the IIGs related to Project opportunities and benefits. – Facilitated regular meetings between THC members and the Archeology Permit Holder. – Continued facilitating remote IIG archeological monitoring on site. – Facilitated regular meetings between IIGs and the contractor. – Conducted EAC and Project-related meetings with the IIGs. – Continued developing a consultation and engagement strategy and communication plan to support IIGs during COVID-19. – Continued presenting Indigenous Art and Cultural Recognition proposed options to IIGs and distributed a Project update.

Key Activities for Next 3 Months:	<ul style="list-style-type: none"> – Initiate/continue consultation on key aspects of the EAC conditions for cultural, environmental and archaeological resource management, Indigenous cultural recognition and monitoring plans. – Continue meetings with the Technical Heritage Committee to draft amendments to the Archaeology Permit and the Cultural and Archaeological Resources Management Plan. – Continue to assist in arranging meetings between BCIB and IIGs. – Continue to assist in arranging meetings between IIGs and the contractor. – Continue discussions with the contractor to finalize an Indigenous Art and Cultural Recognition list and develop the process regarding art selection. – Finalize the Indigenous Relations Construction Plan and Indigenous Art and Cultural Recognition Execution Plan. – Implement an Indigenous Cultural Training program for the internal Project team.
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5.2 Third Parties

Scope:	<ul style="list-style-type: none"> – Engage with Municipalities (City of New Westminister 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"> – Capacity funding agreement signed between the City of New Westminister and the Province. – Continued meeting weekly with Municipalities. – Public engagement presentation sent to the cities and stakeholders. – Coordination meeting held between CN, the contractor and the Project Team. – CP construction agreement with CP for execution. Draft Overpass Crossing and Maintenance Agreement under development with CP. – Completed technical assessments in response to concerns raised by SRY Rail. – Attended monthly progress meeting with CN to review CN’s seismic upgrade schedule. – Ongoing engagement with utilities including Metro Vancouver, BC Hydro and telecommunications companies. – Draft telecommunications agreement with TELUS continues to progress.

Key Activities for Next 3 Months:	<ul style="list-style-type: none"> – Continue to work with TransLink, Railways, and Telus to finalize agreements. – Facilitate the Cities review of required Traffic Control Plans (TCPs) and other documents received from the contractor. – Continue weekly meetings with the municipalities. – Continue to attend contractor related meetings with the municipalities as scheduled. – Continue coordinating geotechnical messaging with stakeholders in both Surrey and New Westminster. – Facilitate municipal review of Traffic Management Plans & Traffic Control Plans and manage required response times. – Continue community engagement planning process with Communications team. – Continue to work with the property acquisition consultant in regards to contacting impacted property owners. – Continue coordination activities with the utilities and the contractor. – Work with the communications team to deliver the Public Spring Engagement.
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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"> – Finalized materials and plan for spring communications program and hosted a stakeholder videoconference. – Finalized a revised Project Overview and posted to Project website. – Collaboration with the contractor’s communications team regarding construction notifications and distribution to residents, business and stakeholders. – Attended weekly communications working group meetings with the contractor. – Based on further comments received; continued to revise Incident Communications Plan. – Reviewed and provided comments on submittals received from the contractor.
Key Activities for Next 3 Months:	<ul style="list-style-type: none"> – Execution of spring virtual communications and engagement program, including videoconferences with key stakeholders in New Westminster and Surrey. – Ongoing management of Project communications, including inquiry response. – Continue meeting with the contractor as part of the communication working group. – Review and respond to various construction-related communications plans submitted by the contractor.

6. Project Cost Report

The approved Project budget is \$1.377 billion. The Project spending for the month of May 2020 was \$36.3 million and total Project spending to date is \$170.4 million. The Project is forecast to be on budget.