

Monthly Status Report

Reporting Period: September 2020

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.

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	Scope	Project delivered within the approved scope.	●	●	●	Project Team is actively managing scope.
	Schedule	Project delivered within the approved schedule.	●	●	●	Schedule related risks are being monitored, particularly in relation to regulatory authorizations required for in-river works. The contractor is actively working to mitigate any potential impacts.
	Budget	Project delivered within the approved budget.	●	●	●	Project spending for the month of September 2020 was \$9.9 million. Actual and forecasted Project expenditures are within the approved budget.
	Safety	Ensure that Project work is performed safely and in compliance with all applicable safety regulations, and in accordance with government policy.	●	●	●	COVID-19 public health guidelines are reflected in the contractor's updated health and safety plans. Safety plans are in place for specific works. The contractor finalized its overall health and safety plan for the Project work.
	Quality	Implement an effective Quality Management System	●	●	●	The contractor's overall Quality Management System is under review. The contractor's Non-compliance Tracking System is in place.
	Environmental	Ensure our work is performed in an environmentally responsible manner.	●	●	●	The contractor submitted an application for an EAC administrative amendment to the Environmental Assessment Office. Indigenous consultation on required permits is ongoing. Archaeological 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.	●	●	●	Working to acquire additional properties confirmed to be required for the contractor's design.
	Design and Construction	Provide design and technical oversight, coordinate and manage activities on site and conduct compliance reviews.	●	●	●	Contractor's 60% roadworks and drainage design package received and is under review. Daily site activity monitoring ongoing. Geotechnical investigation continues with remote archeological monitoring in-place. Archaeological mitigation for static load pile test complete.
	Community Benefits	Work collaboratively with BCIB to successfully implement the CBA.	●	●	●	Approximately 8 full time CBA hired employees are actively working on site. Permitting discussions for upcoming work ongoing with BCIB and the contractor.
Partners/Stakeholders	Indigenous Groups	Continue to build and maintain a positive collaborative working relationship.	●	●	●	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.	●	●	●	Regular meetings held with the cities of New Westminster and Surrey. Working to finalize agreements with Railways, TransLink and TELUS.
	Public and Stakeholder Engagement	Continue to build and maintain positive relationships with the community and other stakeholders.	●	●	●	Ongoing meetings with resident groups, business groups and pedestrian and cycling groups to understand and respond to questions and concerns. As a result of engagement, Project Team reviewing multi-use path connections.

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"> – Project Overview Report (May 2020) – Executed Design-Build-Finance Agreement (February 2020) – Project Report (July 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)
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) – VFPA land, construction and demolition licenses finalized (December 2019) – Shaw Telecommunications Facilities Relocation Agreement (March 2020) – Zayo Telecommunications Facilities Relocation Agreement (March 2020)

2.3 September Highlights

Project Delivery	Safety	<ul style="list-style-type: none"> – Two incidents were registered on the Project’s Health and Safety log for the month. Neither of the incidents resulted in lost time due to injury and both were deemed minor. The Project’s Lost Time Injury Rate remains at 0.
	Quality	<ul style="list-style-type: none"> – Accepted with conditions the contractor’s Quality Manual and Steel Pipe Piles Quality Management Plan. – Continued in person quality monitoring of steel pipe pile fabrication.
	Environmental	<ul style="list-style-type: none"> – Several environmental management plans, required by the EAC, were submitted to the Environmental Assessment Office (EAO) following Indigenous consultation. – An administrative amendment to the Project’s EAC was submitted by the contractor to the EAO.
	Design and Construction	<ul style="list-style-type: none"> – Received the contractor’s 60% design package for roadworks and drainage. – Began preparations for an additional physical hydraulic model test run. – Completed the archaeological mitigation work at the static load pile test location.
Partners/Stakeholders	Third Parties	<ul style="list-style-type: none"> – Continued to review multi-use path plans with the municipalities and assessing potential design changes based on stakeholder feedback.
	Indigenous Groups	<ul style="list-style-type: none"> – Three Technical Heritage Committee meetings were held in September with participating Identified Indigenous Group representatives. – Completed the Indigenous Cultural Recognition Plan, required by the EAC, and submitted the plan to the EAO.

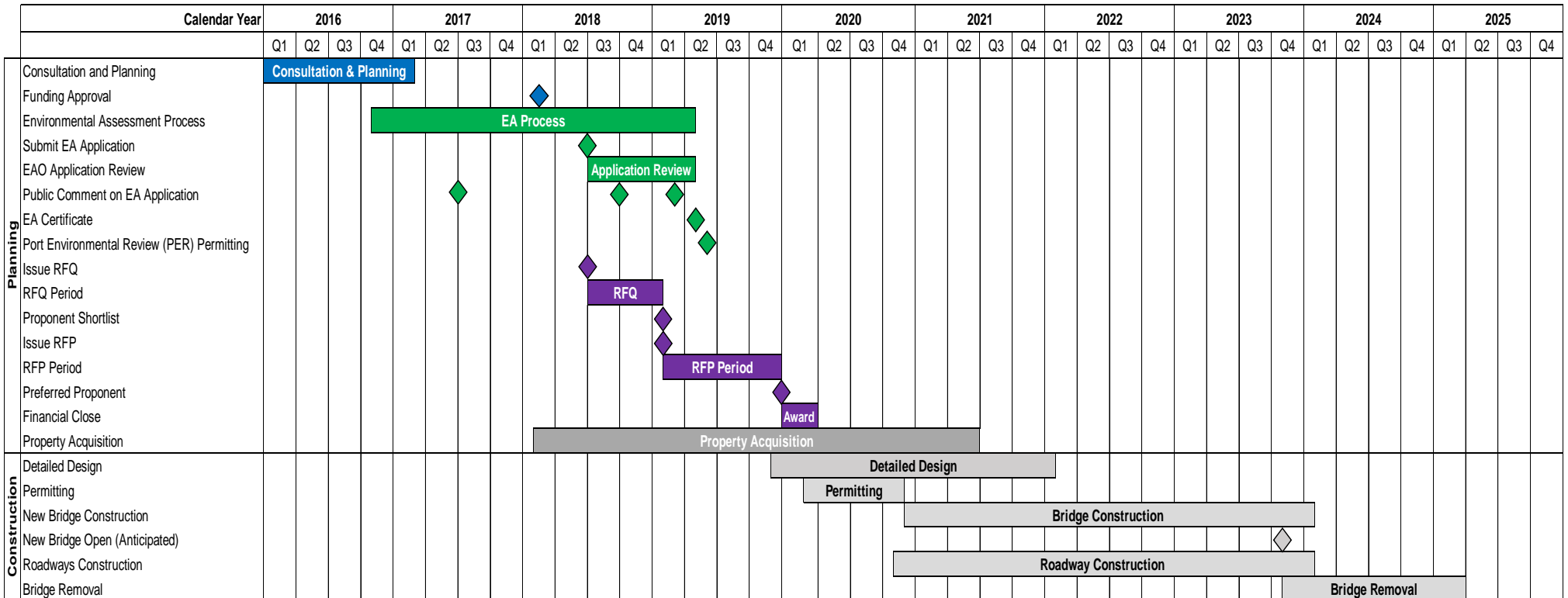
3. Schedule

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.



Legend: Consultation & Planning Environmental Review Procurement Property Acquisition Construction

PROJECT SCHEDULE | September 2020



4. Project Delivery

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.– Ensure the Project complies with relevant WorkSafeBC regulations and government requirements.– Identify specific health and safety roles and responsibilities.– Outline relevant health and safety management processes and activities.
Accomplished in Month:	<ul style="list-style-type: none">– Completed review of the contractor’s Health and Safety Program; the Program is now in place.– Reviewed work-specific safety submittals from the contractor.– Continued to coordinate health and safety discussion between BCIB and the contractor.– Site safety inspections ongoing.– Total number of incidents registered on the Project’s Health and Safety log for the month was 2. None of the incidents resulted in lost time due to injury and both were deemed minor. Lost Time Incident Rate (LTIR) for the Project remains at 0.
Key Activities for Next 3 Months:	<ul style="list-style-type: none">– Develop and implement Safe Work Plans and Safe Job Procedures.– Deliver training on the Job Hazard Assessment and Risk Mitigation Plan for all Project Team members.– 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.

4.2 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 TI Corp Quality Audit Plan.– Continued the TI Corp quality oversight of the overseas fabrication of steel pipe piles.

	<ul style="list-style-type: none"> – Continued Non-conformity Reporting (NCR) and verification activities related to the Non-conformity Report tracking system. The contractor is refining its reporting process. – Received and reviewed the contractor’s monthly quality report.
Key Activities for Next 3 Months:	<ul style="list-style-type: none"> – Continue to review and respond to quality management submittals submitted by the contractor. – Finalize the TI Corp Quality Management Plan and all supporting documentation; and provide to Project Executive for review and approval. – Provide implementation-phase quality management orientations to the Project Team. – Continue to manage the TI Corp quality management audit programme including identifying Non-Compliance Events. – Continue steel fabrication quality monitoring, and surveillance auditing and initiate inspections as required. – Continue to review and provide comment on the contractor’s monthly quality report.

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. – 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.
Accomplished in Month:	<ul style="list-style-type: none"> – Consultation meetings were held on environmental management plans required under the EAC and the PER permit, which included Indigenous and stakeholder working group meetings. – An administrative amendment to the EAC was submitted by the contractor to the Environmental Assessment Office (EAO) and is under review. – As a result of initial archaeological assessment completed at Pier S2 location; further investigation determined to be required. – Continued to advance the archaeological field program in collaboration with the THC. Work has progressed more slowly than anticipated due to COVID-19 related restrictions and impacts. – Static load pile test archaeology mitigation completed. – Province provided comments on multiple environmental work plans and environmental quality management plans and other submittals to the contractor.

Key Activities for Next 3 Months:	<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. – Continue to review the contractor’s environmental management plans and other related submittals. – Continue to meet with the Identified Indigenous Groups related to environmental permit applications and environmental management plans. – Continue to meet with key regulators in support of progressing Project permitting. – Continue archeological monitoring and archaeological investigations.
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4.4 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"> – Negotiations ongoing for additional property required for the contractor’s design. – Property negotiations ongoing following stakeholder consultation in New Westminster. – Signed survey plans received from the City of New Westminster dedicating water lots to arterial highway.
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 executed survey plans from utility and rail companies to secure Arterial Highway tenure on Provincially owned land. – Finalize agreement to retain existing pilings in the Fraser River for use by the contractor.

4.5 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.
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Accomplished in Month:	<ul style="list-style-type: none"> – Reviewed and provided input into the contractor’s river hydraulics management plan and other river hydraulics related documents. – Completed monthly riverbed monitoring surveys and data collection. – Attended technical meetings with the contractor to discuss technical aspects of their design, as well as geotechnical and archaeological field investigation works. – Commenced preparations, including replacement of the walnut shell materials, for an additional river hydraulics physical model test. – The contractor’s geotechnical investigation program in both New Westminster and Surrey continued with remote archaeological monitoring in-place. – Completed archaeological mitigation at the static load pile test site and began installation. – Continued to progress the archaeological investigation at pier locations in Surrey. – Preparations continuing for the mobilization of the Project site office. – The investigation and locating of existing utilities in the Project area continued to progress. – Received the contractor’s 60% design package for roadworks and drainage.
Key Activities for Next 3 Months:	<ul style="list-style-type: none"> – Run additional physical hydraulic model tests. – Complete detailed internal review of all the physical modelling test results. – Complete monthly riverbed monitoring surveys. – Complete compliance reviews during construction. – Archaeological assessment work to continue. – Complete set up of the Project office. – Complete the geotechnical investigation program. – Complete the investigation and locating of existing utilities in the Project area. – Complete the demolition of homes in New Westminster in support of site preparation. – Continue reviewing contractor submittals. – Receive the contractor’s final design package for all roadworks and drainage. – Receive the contractor’s final design package for main tower foundations.

4.6 Community Benefits

Scope:	<ul style="list-style-type: none"> – Work collaboratively with British Columbia Infrastructure Benefits Inc. (BCIB) to successfully implement the Community Benefits Agreement (CBA).
Accomplished in Month:	<ul style="list-style-type: none"> – BCIB labour currently on site for site preparation work. – Ongoing coordination with BCIB to ensure the onboarding of employees has been adapted to address COVID-19 public health guidelines. – BCIB and the contractor discussing permits for upcoming site work. – Daily status update meetings are held with BCIB site administration.

Key Activities for Next 3 Months:	<ul style="list-style-type: none"> – Follow-up with BCIB site safety protocols implementation. – Ongoing collaboration with BCIB on Project requirements and implementation readiness. – Continue to have status update meetings with BCIB. – Assist BCIB getting site offices set-up.
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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"> – Reviewed and responded to the contractor’s updated Indigenous Cultural Recognition features submittal. – Meeting on a bi-weekly basis with the contractor regarding the Indigenous Art and Cultural Recognition Program. – Meeting on a weekly basis with BCIB and the contractor on Indigenous employment and contracting. – Three Technical Heritage Committee (THC) meetings were held in September 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. – Continued facilitating remote IIG archeological monitoring on site. – Continued developing a consultation engagement strategy and communications plan to support IIGs during COVID-19. – Continued presenting proposed Indigenous Art and Cultural Recognition (IACR) options to IIGs. – Completed the Indigenous Cultural Recognition Plan and sent the Plan to the EAO.
Key Activities for Next 3 Months:	<ul style="list-style-type: none"> – Initiate/continue consultation on key aspects of the EAC conditions. – Continue meetings with the Technical Heritage Committee. – Continue to assist in arranging meetings between BCIB and IIGs. – Continue meetings with the Indigenous Marine Users Group. – Continue to facilitate meetings between IIGs and the contractor. – Continue discussions with the contractor on Indigenous Art and Cultural Recognition opportunities including the process for art selection. – Finalize the Indigenous Relations Construction Plan and Indigenous Art and Cultural Recognition Execution Plan. – Support the execution of employment and contracting opportunities with BCIB and the contractor. – Initiate and support the engagement, artist selection, feature selection and technical/commercial requirements contained within the IACR program.

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"> – Continued meeting weekly with the City of Surrey and City of New Westminister. – Coordinated comments from the municipalities on the contractor’s design, including those on traffic management, utility design, drainage, roadway alignments and multi-use paths, and incorporated these comments into responses issued to the contractor. – Continued discussion with the City of Surrey on Bridge Road and Old Yale Road alignments and proposed closures, including notification plans. – Discussed plans for digital sign relocation with City of New Westminister. – Coordination with FortisBC is ongoing regarding the Pattullo Gas Line Replacement. – Continued attending bi-weekly meetings between the contractor and utilities including Metro Vancouver, BC Hydro and telecommunications companies. – Met with CN Rail to discuss current site activities. – Met with SRY Rail regarding crossing agreements.
Key Activities for Next 3 Months:	<ul style="list-style-type: none"> – Facilitate municipal review of Traffic Management Plan & Traffic Control Plans and manage required response times. – Continue to provide and receive comment from the municipalities on the contractor’s design. – Attend upcoming follow up meetings with the HUB Cycling, the Walkers’ Caucus, the City of New Westminister Council, and two local resident associations. – Continue to work with railways and TELUS to finalize agreements. – Finalize and execute the CP Overpass Crossing and Maintenance Agreement. – Continue to meet with SRY Rail regarding crossing agreements. – Continue coordination activities with utility companies – Continue coordination with FortisBC regarding the Pattullo Gas Line Replacement.

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"> – Met with the City of New Westminister regarding community meetings and upcoming Council presentation on walking and cycling connections.

	<ul style="list-style-type: none"> – Continued collaboration with the contractor’s communications team regarding site activity notifications and distribution to residents, business and stakeholders. – Began materials development and technical support for upcoming new Project website. – Provide responses and updates regarding multi-use path connections to interested stakeholders. – Development of stakeholder specific communication and engagement plans ongoing.
<p>Key Activities for Next 3 Months:</p>	<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. – Ongoing management of Project communications, including inquiry response. – Continue meeting with the contractor as part of the communication working group. – Launch new Project website and social media accounts. – 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 September 2020 was \$9.9 million and total Project spending to date is \$225.9 million. The Project is forecast to be on budget.