

# Highway 91/17 & Deltaport Way Upgrade Project

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MONTHLY STATUS REPORT

Reporting Period: December 2019

# 1. PROJECT DASHBOARD

Project Delivery Objectives		Overall Project	DB Contractor	Owners/Other Works	Comments
<b>Safety</b>	Take every reasonable step to ensure that the work is performed safely and in compliance with all applicable safety regulations, and in accordance with government policy.	●	●	●	Safety meetings and orientations ongoing.
<b>Budget</b>	Delivered within the approved budget.	●	●	●	The Project has an approved capital budget of \$260 million, up from the previously approved budget of \$245 million.
<b>Schedule</b>	Delivered within the approved schedule.	●	●	●	All key Project activities are proceeding on schedule.
<b>Scope</b>	Deliver the approved scope.	●	●	●	Delivery of the specified components is on track.
<b>Indigenous Groups</b>	Continue to build and maintain a positive collaborative working relationship	●	●	●	Discussions and consultation with Indigenous groups ongoing.
<b>Environmental</b>	Ensure the work is performed in an environmentally responsible manner.	●	●	●	The Project will be delivered in accordance with the obligations identified in the Overview Environmental Effects Assessment.
<b>Community Benefits</b>	Incorporate the Community Benefits Objectives into the Project.	●	●	●	Community Benefits Objectives outlined in the Design-Build Agreement for implementation by the Design-Build Contractor.
<b>Third Parties</b>	Continue to build and maintain positive relationships with Project Partners and other third parties.	●	●	●	Early and frequent engagement and advancing agreements with Project partners and other third parties.
<b>Stakeholder Engagement</b>	Continue to build and maintain positive relationships with the community, and other stakeholders.	●	●	●	Engagement with key Project partners is ongoing. Community and stakeholder engagement will continue.
<b>Quality</b>	Implement an effective Quality Management System.	●	●	●	Quality audits and reviews performed as required per the Quality Management Plan.

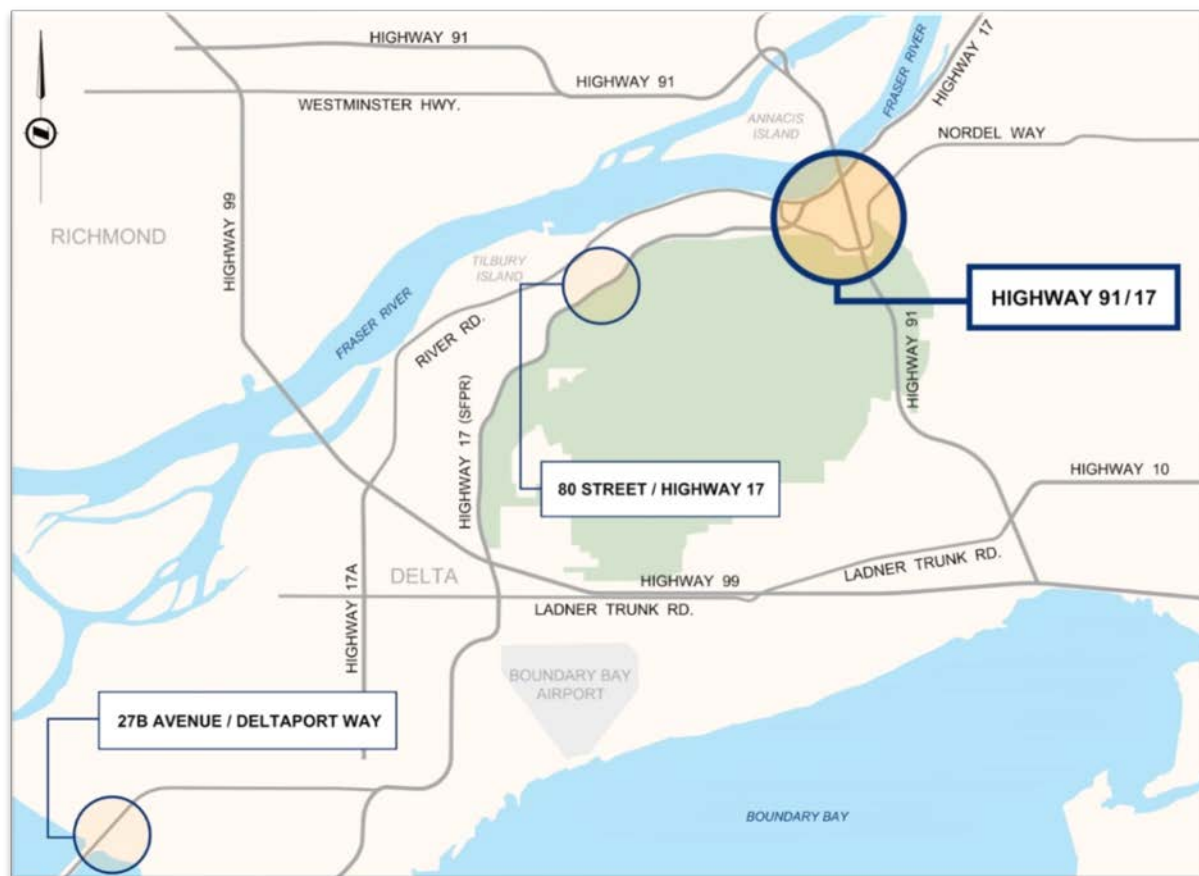
Status	Description
●	Not currently applicable, as the Project is in Procurement Phase
●	Managing some issues, negotiating resolution; required immediately
●	Managing some issues, negotiating resolution; required in the near term
●	Good progress

## 2. Introduction

### Project Overview

The Highway 91/17 and Deltaport Way Upgrade Project is a combination of improvements to the existing Highway 91, Highway 17, Highway 91 Connector and Deltaport Way to improve travel safety, reliability and efficiency. These upgrades will improve local and commercial travel time and reliability in the area, reduce conflicts between commercial vehicles and other traffic, and support community and economic development. The Highway 91/17 components also complement the recently completed 72<sup>nd</sup> Avenue Interchange Project and the Alex Fraser Bridge Project currently underway.

The Project is being funded by the Province of British Columbia, the National Infrastructure Component of the New Building Canada Fund, the Vancouver Fraser Port Authority and the Tsawwassen First Nation, and is being delivered by the Ministry.



### Project Goals

The Project will:

- Improve travel time and reliability through Delta, with congestion-reduction travel time savings
- Improve traffic safety for goods movers and the travelling public, with lowered collision risk and better operating hours at the Nordel commercial vehicle inspection facility
- Support community and economic development, with better access to employment areas, faster access between South Delta and North Delta/Surrey, improved access to cycling connections, and improved permitting and inspection service for commercial vehicle operators

## Key Milestones Achieved to Date

Key milestones achieved to date are listed by category below. The available corresponding reports can be found within the Document Library of Highway 91/17 and Deltaport Way Upgrade Project website at [www.gov.bc.ca/highway91-17-deltaport](http://www.gov.bc.ca/highway91-17-deltaport).

<b>Engagement</b>	<ul style="list-style-type: none"><li>• Conducted Public Information Open House</li><li>• Released Engagement Summary Report (2018)</li></ul>
<b>Third Parties</b>	<ul style="list-style-type: none"><li>• Draft Municipal Agreement with City of Delta</li><li>• Metro Vancouver Board has approved the Accommodation Agreement; Parties working to finalise documentation</li></ul>
<b>Environmental Review</b>	<ul style="list-style-type: none"><li>• Reviewed relevant South Fraser Perimeter Road (SFPR) studies and conducted additional baseline studies</li><li>• Developed Overview Environmental Effects Assessment (OEEA) Terms of Reference</li><li>• Finalized OEEA based on input from Indigenous Groups and stakeholders</li><li>• Acceptance from Environmental Assessment Office (EAO) that amendment to SFPR EAC is not required</li></ul>
<b>Agriculture</b>	<ul style="list-style-type: none"><li>• Submitted Agricultural Land Commission (ALC) application</li><li>• Approval with conditions received from ALC (2018)</li></ul>
<b>Indigenous Groups</b>	<ul style="list-style-type: none"><li>• Capacity agreements for the OEEA (2018)</li></ul>
<b>Design/Engineering</b>	<ul style="list-style-type: none"><li>• Prepared reference design concept</li><li>• Completed traffic data and analysis</li><li>• Completed geotechnical investigations and reports</li></ul>
<b>Design-Build Agreement</b>	<ul style="list-style-type: none"><li>• Issued Request for Qualifications (RFQ) for Highway 91/17 upgrades</li><li>• Issued Request for Proposals (RFP) for Highway 91/17 upgrades</li><li>• Issued Definitive Design-Build Agreement</li><li>• Received and evaluated Technical Submittals</li><li>• Issued invitations to submit Financial Submittals</li><li>• Received and evaluated Financial Submittals</li><li>• Selected Preferred Proponent</li><li>• Executed Design-Build Agreement December 13, 2019</li></ul>
<b>Owner-Led Work</b>	<ul style="list-style-type: none"><li>• Awarded Deltaport Way Ramp Improvements construction contract</li><li>• Awarded 27B Avenue Improvements construction contract</li><li>• Awarded Deltaport Way to 27B paving construction contract</li><li>• Completed work on Deltaport Way Ramp Improvements</li><li>• Completed work on 27B Avenue Improvement Project</li><li>• Substantial completion on Deltaport Way to 27B paving construction contract</li></ul>
<b>Property Acquisition</b>	<ul style="list-style-type: none"><li>• Completed four of five property acquisitions</li></ul>

## December 2019 Highlights

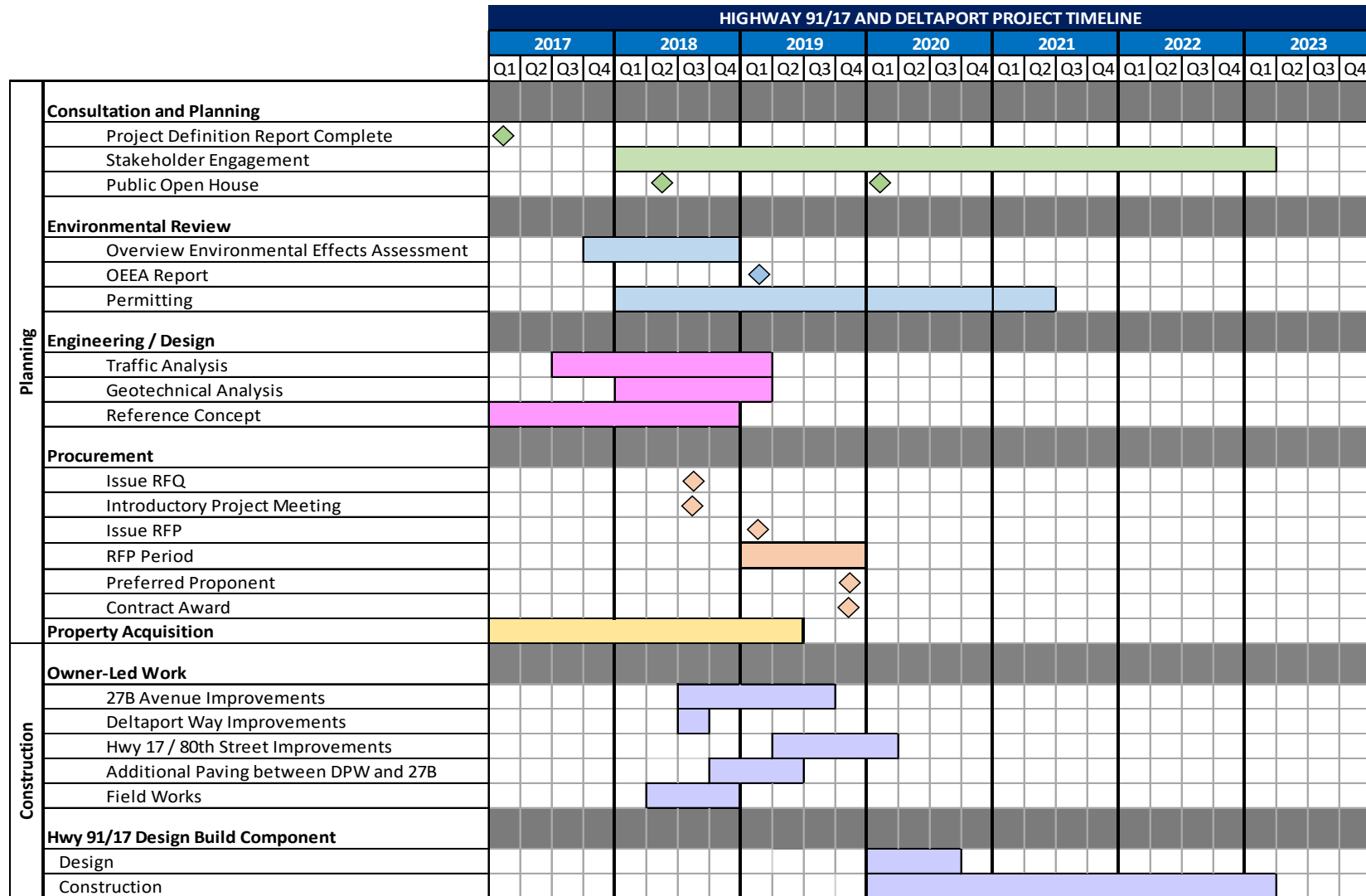
Project highlights this month include:

<b>Engagement</b>	<ul style="list-style-type: none"><li>• Ongoing response to public and stakeholder enquiries</li><li>• Released Project Completion News Release for 27B Avenue Improvement Project</li><li>• Released Information Bulletin announcing award of Design Build Contract</li></ul>
<b>Design/Engineering</b>	<ul style="list-style-type: none"><li>• Continued coordination with City of Delta on future drainage works</li><li>• Project team finalising the new area drainage model</li></ul>
<b>Environment</b>	<ul style="list-style-type: none"><li>• Engagement with Indigenous Groups regarding specialized archaeological analysis completed.</li><li>• AIA interim report #2 submitted to Indigenous Groups for comment. Site Alteration Permit to be resubmitted to Ministry of Forests, Lands, Natural Resource Operations and Rural Development (FLNRO) with comments incorporated from Indigenous Groups</li><li>• Ongoing engagement with Ministry of Environment (MOE) in support of Abandonment Approval Application</li><li>• Ground water and surface water monitoring report preparation to be distributed to stakeholders in January.</li></ul>
<b>Design-Build Agreement</b>	<ul style="list-style-type: none"><li>• Budget increase approved</li><li>• Executed Design-Build Agreement December 13, 2019</li></ul>
<b>Owner-Led Work</b>	<ul style="list-style-type: none"><li>• Substantial completion achieved on additional paving between Deltaport Way and 27B Avenue.</li><li>• Completion achieved on 27B Avenue Improvements Project</li></ul>

### 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.

Schedule denotes calendar year.



## 4. PROJECT DELIVERY

### Safety

<b>Objectives</b>	<ul style="list-style-type: none"><li>• Ensure a safe worksite at all times</li><li>• Provide clear information on health and safety responsibilities</li><li>• Ensure all required training is provided and evaluated</li><li>• Ensure that Project activities are in accordance with the Workers Compensation Act and WorkSafeBC Health and Safety Regulations</li></ul>
<b>Accomplished in December 2019</b>	<ul style="list-style-type: none"><li>• Conducted onsite safety orientations</li><li>• Provided regular safety reminders for field staff</li></ul>
<b>Key activities for Next 3 months</b>	<ul style="list-style-type: none"><li>• Provide ongoing safety training as required</li><li>• Provide Project safety orientation as required</li><li>• Review Design-Builder's health and safety plans for compliance with contract requirements</li><li>• Participate in Design-Builder onsite safety training</li></ul>

### Quality

<b>Objectives</b>	<ul style="list-style-type: none"><li>• Ensure design services and construction works delivered to the Province are implemented within a quality standard consistent with Ministry standards and ISO 9001</li><li>• Ensure internal processes are conducted per Project quality requirements, consistent with Ministry standards and ISO 9001</li></ul>
<b>Accomplished in December 2019</b>	<ul style="list-style-type: none"><li>• Ongoing review and revision of Project Quality Management Plan</li></ul>
<b>Key activities for Next 3 months</b>	<ul style="list-style-type: none"><li>• Continue quality management input and support to procurement activities</li><li>• Ongoing review of internal processes</li><li>• Review of Design-Builder's quality management plans to ensure compliance with contract requirements</li></ul>

### Project Controls

<b>Objectives</b>	<ul style="list-style-type: none"><li>• Effectively manage the Project's contracts, scope, schedule and cost</li><li>• Implement an efficient document control and records management system</li><li>• 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</li><li>• Ongoing updates to Project Management Plan</li></ul>
<b>Accomplished in December 2019</b>	<ul style="list-style-type: none"><li>• Held regular Project control meetings with discipline leads</li><li>• Approval to increase Project budget from \$245 million to \$260 million</li><li>• Initiate planning for contract submission review procedures</li></ul>
<b>Key activities for Next 3 months</b>	<ul style="list-style-type: none"><li>• Continue regular Project control meetings with discipline leads</li><li>• Review Project risk register based upon award of Design-Build Contract</li><li>• Monitor Project schedule, scope and budget</li></ul>

## 5. Project Development

### Stakeholder Engagement

Scope	<ul style="list-style-type: none"><li>• Manage ongoing public and stakeholder consultation, community relations and Project communications</li></ul>
Accomplished in December 2019	<ul style="list-style-type: none"><li>• Ongoing enquiry response</li><li>• Released Project Completion News Release for 27B Avenue Improvement Project</li><li>• Released Information Bulletin announcing award of Design Build Contract</li></ul>
Key activities for Next 3 months	<ul style="list-style-type: none"><li>• Ongoing enquiry response</li><li>• Communications to support Highway 91/17 Upgrade Project ground-breaking event</li><li>• Stakeholder and public engagement on final Project design</li><li>• Business and community group presentations upon request</li></ul>

### Environment

Scope	<ul style="list-style-type: none"><li>• Develop OEEA and supporting environmental reports</li><li>• Manage Project monitoring and permitting process</li><li>• Ensure the Project adheres to obligations defined within the SFPR Project Environmental Assessment Certificate (EAC) Table of Commitments and Assurances (TOCA)</li></ul>
Accomplished in December 2019	<ul style="list-style-type: none"><li>• Ongoing engagement with MOE in support of Abandonment Approval Application</li><li>• AIA interim report #2 submitted to Indigenous Groups for comment.</li><li>• Site Alteration Permit revised and to be re-submitted to FLNRO including comments provided by Indigenous Groups, pending follow-up meetings</li><li>• Ground water and surface water monitoring report prepared for distribution to stakeholders.</li></ul>
Key activities for Next 3 months	<ul style="list-style-type: none"><li>• Update Site Alteration Permit Application (Section 12) based on additional feedback received from FLNRO &amp; Indigenous Groups and resubmit to FLNRO</li><li>• Complete and submit AIA interim report #2 based on feedback from Indigenous Groups and submit to FLNRO</li><li>• Section 14 Final Permit Report to be drafted</li><li>• Update drainage model based on calibration data obtained</li><li>• Continue work in support of Abandonment Approval application to MOE in relation to Sunbury Mounds</li><li>• Obtain Water Sustainability Act (WSA) Permit for Delta Nature Reserve Boardwalk Project from FLNRO</li></ul>

### Agriculture

Scope	<ul style="list-style-type: none"><li>• Develop appropriate plans to mitigate potential agricultural effects of the Project</li></ul>
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Accomplished in December 2019	<ul style="list-style-type: none"> <li>No Actions</li> </ul>
Key activities for Next 3 months	<ul style="list-style-type: none"> <li>Monitor compliance of approval conditions during construction</li> <li>Review Design-Builder construction plans to ensure compliance with ALC conditions</li> </ul>

## Indigenous Groups

Scope	<ul style="list-style-type: none"> <li>Consultation and engagement with Identified Indigenous Groups</li> </ul>
Accomplished in December 2019	<ul style="list-style-type: none"> <li>Provided Project updates as required</li> <li>Issued draft AIA Interim report #2 for comment</li> </ul>
Key activities for Next 3 months	<ul style="list-style-type: none"> <li>Continue engagement with Indigenous Groups, including meetings and site visits as requested</li> <li>Discuss Project related opportunities and benefits with Indigenous Groups</li> <li>Introduction meetings between the Indigenous Groups and the Design-Builder</li> </ul>

## Design-Build Agreement

Scope	<ul style="list-style-type: none"> <li>Develop a business case, RFQ, RFP and subsequent evaluation of submissions</li> </ul>
Accomplished in December 2019	<ul style="list-style-type: none"> <li>Executed Design-Build Agreement December 13, 2019</li> </ul>
Key activities for Next 3 months	<ul style="list-style-type: none"> <li>Conduct unsuccessful Proponent Debriefings</li> </ul>

## Design/Engineering

Scope	<ul style="list-style-type: none"> <li>Develop a design concept, technical requirements/specifications and related technical studies for the Project</li> <li>Conduct Project related traffic operations modelling, data collection, and other related engineering services</li> <li>Provide technical input to the procurement and environmental processes</li> <li>Conduct compliance reviews of work by the Design-Build Contractor</li> </ul>
Accomplished in December 2019	<ul style="list-style-type: none"> <li>Ongoing update and calibration of drainage model.</li> </ul>
Key activities for Next 3 months	<ul style="list-style-type: none"> <li>Update and calibration of drainage model based on results of baseline ground water and surface water monitoring program</li> <li>Engagement with Delta to provide data required for future drainage system</li> <li>Review of Design-Builder design and construction plans to ensure compliance with contract requirements</li> </ul>

## Owner-Led Works

Scope	<ul style="list-style-type: none"><li>• Overall planning, coordination and implementation of construction activities.</li></ul>
Accomplished in December 2019	<ul style="list-style-type: none"><li>• Total completion for 27B Avenue Improvement Project.</li><li>• Substantial completion on Deltaport Way to 27B Avenue Additional Paving Project.</li><li>• Handover of Advance Work preload site to Design-Builder</li></ul>
Key activities for Next 3 months	<ul style="list-style-type: none"><li>• Close out of 27B Avenue Improvement Project.</li><li>• Total completion on Deltaport Way to 27B Avenue Paving Project.</li></ul>

## Property Acquisition

Scope	<ul style="list-style-type: none"><li>• Acquire land rights to deliver the Project (majority of the Project falls within existing highway boundaries)</li></ul>
Accomplished in December 2019	<ul style="list-style-type: none"><li>• Continued discussions with owner re access arrangements (ongoing)</li></ul>
Key activities for Next 3 months	<ul style="list-style-type: none"><li>• Finalise property discussions with remaining property owner to secure final agreement (ongoing)</li><li>• Continue discussion for Statutory Right of Way agreement with Vancouver Fraser Port Authority</li><li>• Conduct legal surveys on all required properties to perfect tenure as road or highway (ongoing)</li></ul>

## 6. Project Cost Report

- To date, \$37 million has been spent on the Project
- The approved capital Project budget is \$260 million

Following the procurement process for the design-build agreement, the project budget was increased from \$245.2 million to \$260.2 million to reflect a variety of factors, including current market conditions.