

# Highway 91/17 & Deltaport Way Upgrade Project

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MONTHLY STATUS REPORT  
Reporting Period: July 2019

## FOREWORD TO MONTHLY STATUS REPORT

### Project Governance

The Province, in partnership with the Government of Canada, the Vancouver Fraser Port Authority, and Tsawwassen First Nation is investing \$245 million in Delta-area highway upgrades to improve safety and support growing economic and trade development south of the Fraser River.

The Highway 91/17 and Deltaport Way Upgrade Project (the Project) is a combination of upgrades to existing Highway 91, Highway 17, Highway 91 Connector, Deltaport Way and 27B Avenue to improve travel safety and efficiency.

The Ministry of Transportation and Infrastructure (the Ministry) is delivering the Project.

### Leadership

The Ministry is committed to delivering the Project on time and budget. Project Team expertise includes senior advisors, senior project management and engineering professionals and subject matter experts across all disciplines.

### Framework for Success

The Project is being delivered within a framework that ensures adequate planning, guidance, and controls are in place for all aspects of Project activity. Planning is based on industry best practices, accepted principles, standards, policies and risk-based thinking.

A Design-Build approach for the Highway 91, Highway 91 Connector, and Highway 17 segments best realizes the Project objectives. This approach allows for greater potential for integrated design and construction given the geographic constraints of the area, greater efficiency and economies of scale in construction and traffic management and minimizes the risk of multiple contracts and contractors.

A Design-Bid-Build approach best suits the size and scope of the 27B Avenue and Deltaport Way segments and allows better coordination with funding partners and the Tsawwassen First Nation, who is the 27B Avenue road authority.

Stringent reviews during planning and development ensure a rigorous system is in place and all Project requirements are met, including internal reviews to confirm compliance, documentation, progress and performance throughout the lifecycle of the Project.

# 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 \$245 million and continues to track on budget
<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

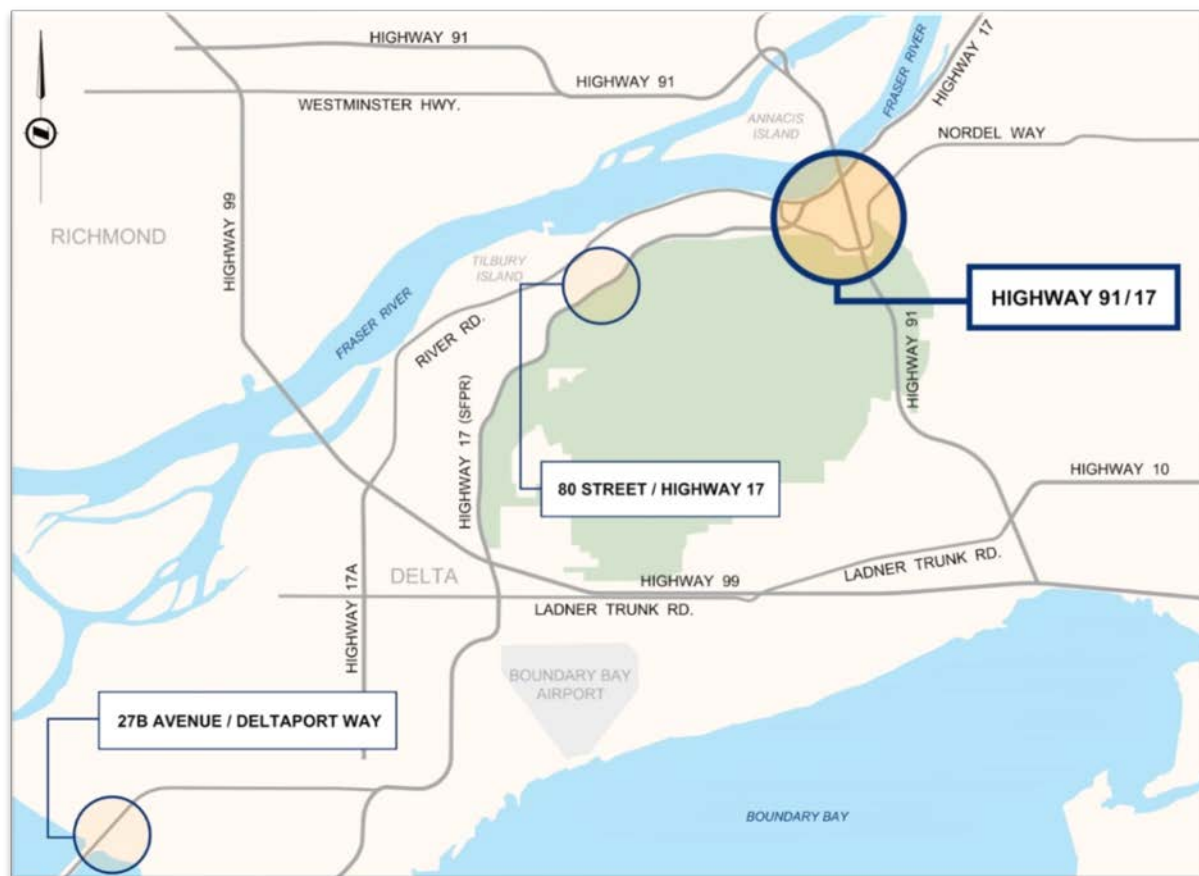
Status	Description
●	Not currently applicable, as the Project is in Procurement Phase
●	Managing some issues, negotiating resolution; required immediately
●	Managing some issues, negotiating resolution; required in the near term
●	Good progress

## 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></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>• Prepared draft OEEA with corresponding supporting reports</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>Procurement</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>• 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></ul>
<b>Construction</b>	<ul style="list-style-type: none"><li>• Completed work on Deltaport Way Ramp Improvements</li><li>• Commenced work on 27B Avenue Improvement Project</li></ul>
<b>Property Acquisition</b>	<ul style="list-style-type: none"><li>• Completed four of five property acquisitions</li></ul>

## July 2019 Highlights

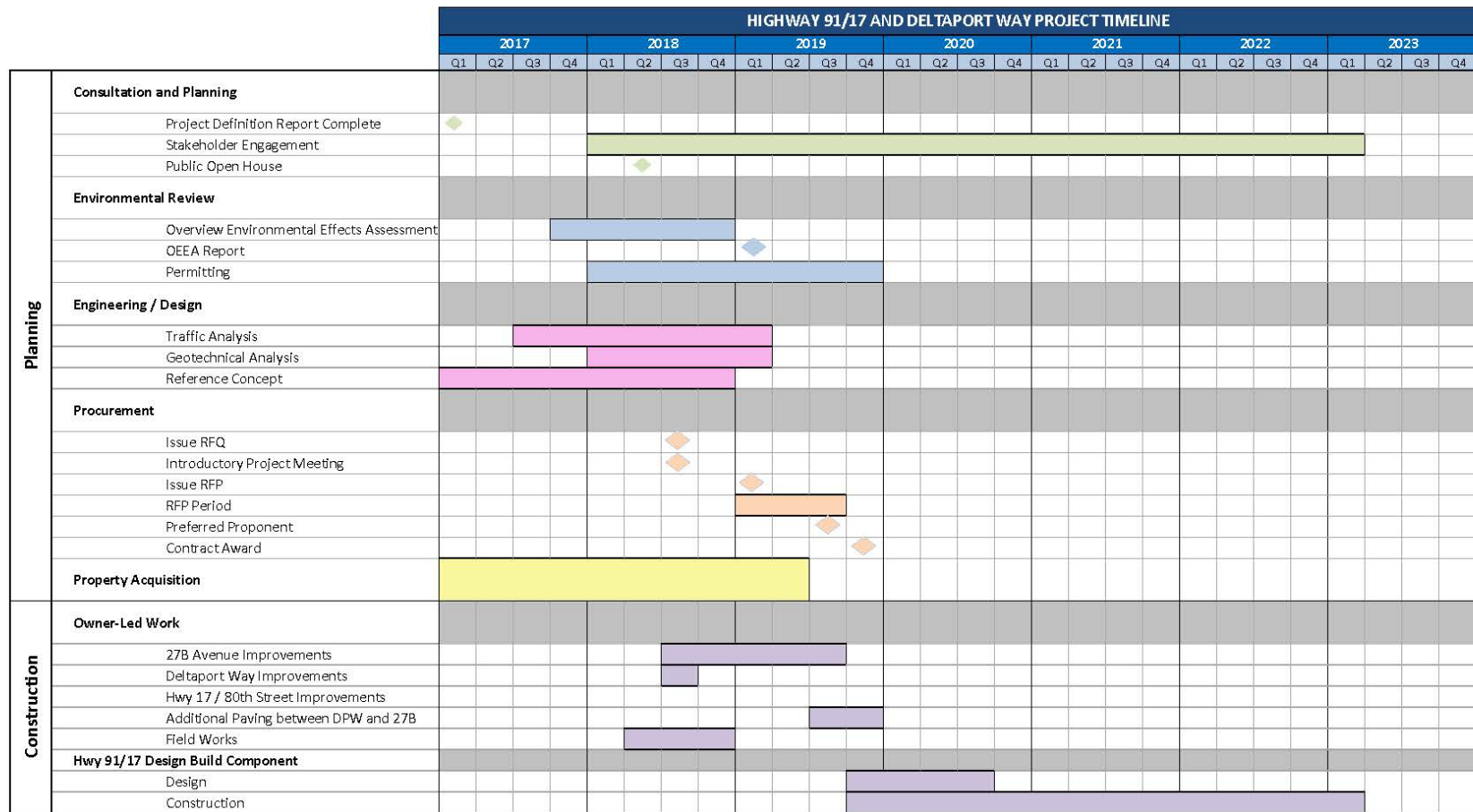
Project highlights this month include:

<b>Engagement</b>	<ul style="list-style-type: none"><li>• Ongoing response to public and stakeholder enquiries</li></ul>
<b>Design/Engineering</b>	<ul style="list-style-type: none"><li>• Ongoing RFI responses to Proponents</li><li>• Additional paving between Deltaport Way and 27B Avenue tender posted on BC Bid</li></ul>
<b>Environmental Review</b>	<ul style="list-style-type: none"><li>• Ongoing comments from Indigenous Groups, Burns Bog Scientific Advisory Panel (SAP), City of Delta, &amp; Metro Vancouver being considered and incorporated into final OEEA</li><li>• Draft Technical Memo regarding Summary and Recommendation for Analysis of samples prepared, issued to Indigenous Groups for review</li><li>• Specialized archaeological sample analysis ongoing, compression testing analysis report complete</li><li>• 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>• Waste Discharge Permit Application withdrawn; Project proceeding with work in support of Ministry of Environment (MOE) request to proceed under existing Abandonment Approval of the Sunbury Mounds site</li></ul>
<b>Procurement</b>	<ul style="list-style-type: none"><li>• Held Topic Meetings with Proponents</li><li>• Ongoing response to Proponent Requests for Information</li><li>• RFP Technical Submittals received</li></ul>
<b>Construction</b>	<ul style="list-style-type: none"><li>• Ongoing construction on 27B Avenue Improvements Project</li><li>• Final round of settlement monitoring of sand stockpile site south of River Road and monitoring of adjacent and nearby infrastructure completed</li></ul>

### 3. SCHEDULE

The following schedule depicts deliverables, milestones and associated dates and timelines for the Procurement Readiness 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 July 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></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 July 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></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 July 2019</b>	<ul style="list-style-type: none"><li>• Held regular Project control meetings with discipline leads</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>• 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 July 2019	<ul style="list-style-type: none"><li>• Ongoing enquiry response</li><li>• Communications to support procurement milestones</li></ul>
Key activities for Next 3 months	<ul style="list-style-type: none"><li>• Continue community and stakeholder engagement</li><li>• Ongoing enquiry response</li><li>• Communications to support procurement milestones</li><li>• Communications to support 27B Avenue Project completion</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 July 2019	<ul style="list-style-type: none"><li>• Project withdrew Waste Discharge Permit Application. MOE advised that discharge can take place under Abandonment Approval. Project is proceeding with work in support of Abandonment Approval process</li><li>• Ongoing comments from Indigenous Groups, Burns Bog Scientific Advisory Panel (SAP), City of Delta, &amp; Metro Vancouver being considered and incorporated into final OEEA</li><li>• DRAFT Technical Memo regarding Summary and Recommendation for Analysis of samples prepared issued to Indigenous Groups</li><li>• AIA interim report #2 in progress to include specialized archaeological sample analysis and compression testing analysis. Compression testing analysis report complete</li><li>• Site Alteration Permit revised and to be re-submitted to FLNRO including comments provided by Indigenous Groups</li><li>• Confirmation received from Environmental Assessment Office (EAO) that there are no objections to the Project's determination regarding no change required to SFPR TOCA</li></ul>

<b>Key activities for Next 3 months</b>	<ul style="list-style-type: none"> <li>• Update Site Alteration Permit Application based on additional feedback received from FLNRO &amp; Indigenous Groups and resubmit to FLNRO</li> <li>• Complete archeological sample analysis testing in support of AIA interim report #2</li> <li>• Complete AIA Interim Report #2</li> <li>• Section 14 Final Permit Report to be drafted</li> <li>• Continue baseline water monitoring data collection</li> <li>• Complete requirements of the Abandonment Approval provided by MOE in relation to Sunbury Mounds</li> <li>• Obtain Water Sustainability Act (WSA) Permit application for Delta Nature Reserve Boardwalk Project from FLNRO</li> </ul>
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## Agriculture

<b>Scope</b>	<ul style="list-style-type: none"> <li>• Develop appropriate plans to mitigate potential agricultural effects of the Project</li> </ul>
<b>Accomplished in July 2019</b>	<ul style="list-style-type: none"> <li>• Ongoing discussions with ALC to ensure compliance with conditions</li> </ul>
<b>Key activities for Next 3 months</b>	<ul style="list-style-type: none"> <li>• Prepare Reference Plans of properties required for the Project</li> <li>• Continue engagement with ALC on approval conditions</li> </ul>

## Indigenous Groups

<b>Scope</b>	<ul style="list-style-type: none"> <li>• Consultation and engagement with Identified Indigenous Groups</li> </ul>
<b>Accomplished in July 2019</b>	<ul style="list-style-type: none"> <li>• Provided Project updates as required</li> <li>• Incorporated comments from Indigenous Groups in OEEA version 3. Final OEEA nearing completion</li> </ul>
<b>Key activities for Next 3 months</b>	<ul style="list-style-type: none"> <li>• Continue engagement with Indigenous Groups, including meetings and site visits as requested</li> <li>• Obtain comments and input on OEEA from Indigenous Groups</li> <li>• Discuss Project related opportunities and benefits with Indigenous Groups</li> </ul>

## Procurement

<b>Scope</b>	<ul style="list-style-type: none"> <li>• Develop a business case, RFQ, RFP and subsequent evaluation of submissions</li> <li>• Development and award of tender packages for Design-Bid-Build Contracts</li> </ul>
<b>Accomplished in July 2019</b>	<ul style="list-style-type: none"> <li>• Held Topic Meetings with Proponents</li> <li>• Ongoing response to Proponent Requests for Information</li> <li>• RFP Technical Submittals received</li> <li>• Conducted RFP evaluations</li> <li>• Continued discussions with Fraser Transportation Group (FTG) on Tilbury Project</li> </ul>

<b>Key activities for Next 3 months</b>	<ul style="list-style-type: none"> <li>• Continue the Competitive Selection Process with Proponents</li> <li>• Respond to Requests for Information</li> <li>• Ongoing updates to Data Room materials</li> <li>• Complete evaluation of Technical Submittals from Proponents</li> <li>• Invite proponents to submit a Financial Submittal and select a Preferred Proponent</li> <li>• Issue Province Changes and advance discussions with FTG to conclude Concession Agreement adjustments and construction of Tilbury project</li> </ul>
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## Design/Engineering

<b>Scope</b>	<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>
<b>Accomplished in July 2019</b>	<ul style="list-style-type: none"> <li>• Ongoing technical inputs to Requests for Information from Proponents</li> <li>• Undertook additional traffic modelling analysis of the Project area</li> <li>• Deltaport Way to 27B Additional Paving tender package posted to BC Bid</li> </ul>
<b>Key activities for Next 3 months</b>	<ul style="list-style-type: none"> <li>• Provide technical support for procurement</li> <li>• Award Deltaport Way to 27B Avenue Additional Paving contract</li> <li>• Complete review of Technical Proposal submissions</li> </ul>

## Construction

<b>Scope</b>	<ul style="list-style-type: none"> <li>• Overall planning, coordination and implementation of construction activities</li> </ul>
<b>Accomplished in July 2019</b>	<ul style="list-style-type: none"> <li>• Completed construction of all underground utilities and earthworks at 27B Avenue</li> <li>• Commenced building demolition at 9750 River Road Property</li> </ul>
<b>Key activities for Next 3 months</b>	<ul style="list-style-type: none"> <li>• 27B Avenue contractor continuing civil construction and paving works with Substantial Completion scheduled for late August 2019, Total Completion in September</li> <li>• Complete demolition of 9750 River Road Property</li> <li>• Award contract for Deltaport Way to 27B Paving Project and begin construction</li> </ul>

## Property Acquisition

<b>Scope</b>	<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>
<b>Accomplished in July 2019</b>	<ul style="list-style-type: none"> <li>• Completion of hazmat assessment/removal for building demolition</li> <li>• Continued discussions with remaining property owner</li> <li>• Obtained license for drainage along 96<sup>th</sup> Street ditch</li> </ul>

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**Key activities for  
Next 3 months**

- Continue property discussions with remaining private owner to secure final agreement
  - Conduct legal surveys on all required properties to perfect tenure as road or highway
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## **6. Project Cost Report**

- To date, \$33 million has been spent on the Project
- The approved capital Project budget is \$245 million