

Highway 91/17 & Deltaport Way Upgrade Project

MONTHLY STATUS REPORT
Reporting Period: May 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
Safety	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
Budget	Delivered within the approved budget.				The Project has an approved capital budget of \$245 million and continues to track on budget
Schedule	Delivered within the approved schedule.				All key Project activities are proceeding on schedule
Scope	Deliver the approved scope.				Delivery of the specified components is on track
Indigenous Groups	Continue to build and maintain a positive collaborative working relationship.				Indigenous discussions and consultation ongoing
Environmental	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
Community Benefits	Incorporate the Community Benefits Objectives into the Project				Community Benefits Objectives outlined in the Design-Build Agreement for implementation by the Design-Build Contractor
Third Parties	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
Stakeholder Engagement	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.
Quality	Implement an effective Quality Management System				Quality audits and reviews performed as required per the Quality Management Plan

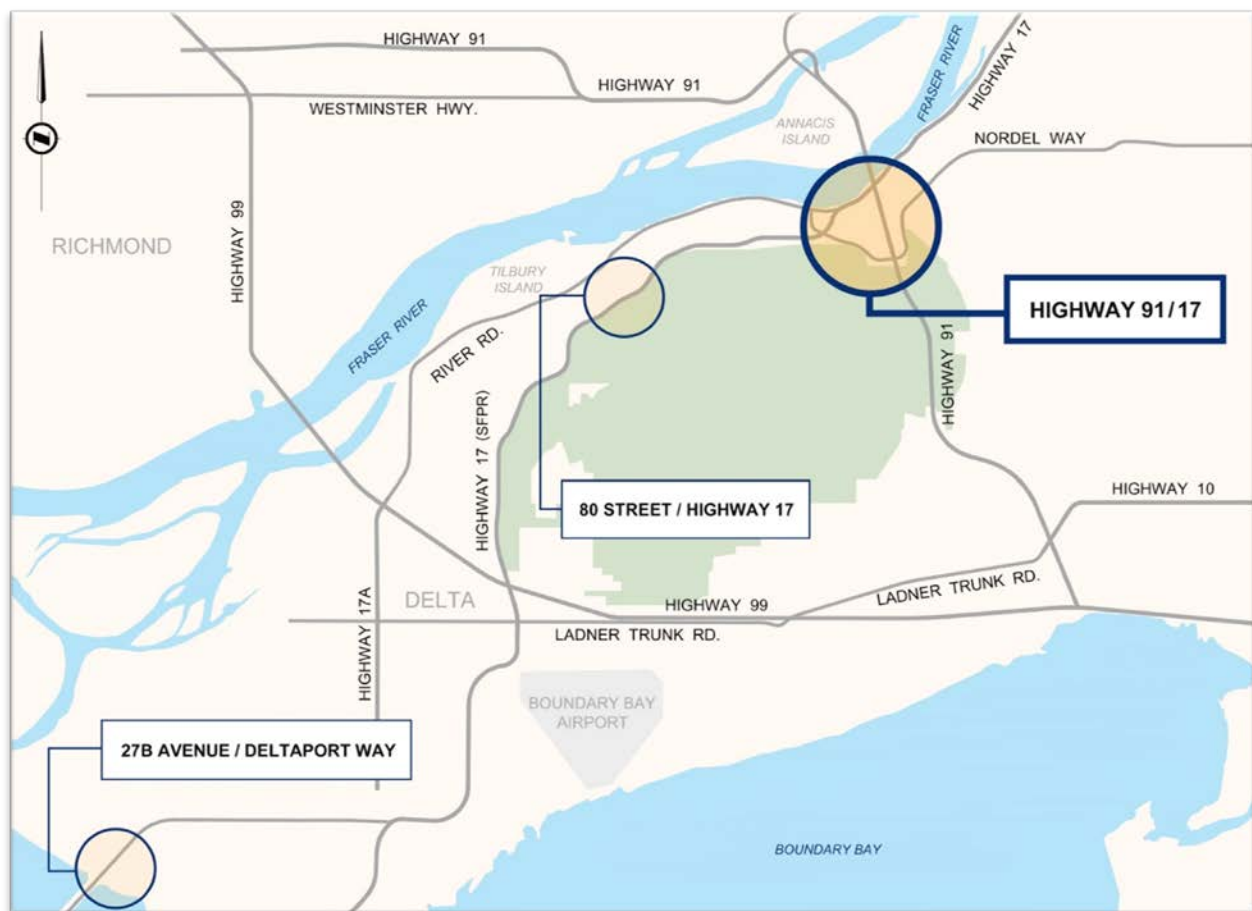
Status	Description
	Not currently applicable, as the Project is in Procurement Phase
	Managing some issues, negotiating resolution; required immediately
	Managing some issues, negotiating resolution; required in the near term
	Good progress

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 72nd 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 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.

Engagement	<ul style="list-style-type: none">• Conducted Public Information Open House• Released Engagement Summary Report
Third Parties	<ul style="list-style-type: none">• Draft Municipal Agreement with City of Delta
Environmental Review	<ul style="list-style-type: none">• Reviewed relevant South Fraser Perimeter Road (SFPR) studies and conducted additional baseline studies• Developed Overview Environmental Effects Assessment (OEEA) Terms of Reference• Developed OEEA with corresponding supporting reports
Agriculture	<ul style="list-style-type: none">• Submitted Agricultural Land Commission (ALC) application• Approval with conditions received from ALC
Indigenous Groups	<ul style="list-style-type: none">• Capacity agreements for the OEEA (2018)
Design/Engineering	<ul style="list-style-type: none">• Prepared reference design concept• Completed traffic data and analysis• Completed geotechnical investigations and reports
Procurement	<ul style="list-style-type: none">• Awarded Deltaport Way Ramp Improvements construction contract• Awarded 27B Avenue Improvements construction contract• Issued Request for Qualifications (RFQ) for Highway 91/17 upgrades• Issued Request for Proposals (RFP) for Highway 91/17 upgrades
Construction	<ul style="list-style-type: none">• Commenced work on 27B Avenue Improvement Project• Completed work on Deltaport Way Ramp Improvements
Property Acquisition	<ul style="list-style-type: none">• Completed four of five property acquisitions

May 2019 Highlights

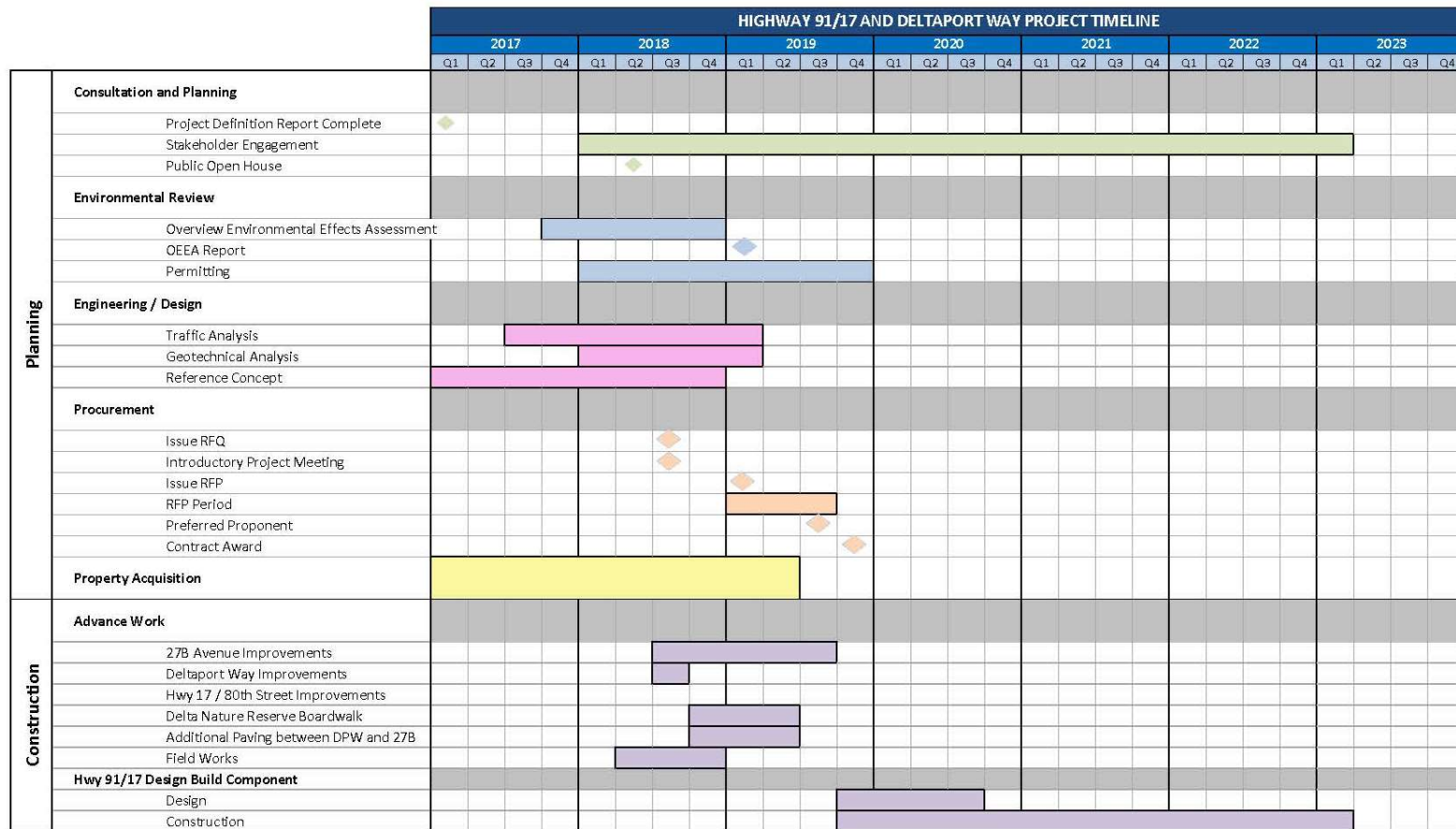
Project highlights this month include:

Engagement	<ul style="list-style-type: none">• Project engaged with HUB regarding cyclist accommodation• Stakeholder topic meetings for Delta Nature Reserve Boardwalk (DNR) relocation
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Design/Engineering	<ul style="list-style-type: none"> • DNR boardwalk tender package complete • Additional paving between Deltaport Way and 27B Avenue 100% Detailed Design complete • VISSIM modelling to show traffic impact of potential adjacent developments complete
Environmental Review	<ul style="list-style-type: none"> • OEEA version 3 and final terms of reference sent to Indigenous Groups, Burns Bog Scientific Advisory Panel (SAP), City of Delta, and Metro Vancouver for review and comment • Specialized archaeological sample analysis ongoing, with compression testing analysis to be included in Archaeological Impact Assessment (AIA) interim report #2 • Site Alteration Permit to be resubmitted to Ministry of Forests, Lands, Natural Resource Operations and Rural Development (FLNR) with comments incorporated from Indigenous Groups • Response submitted to the SAP regarding their comments on Project drainage principles • Project assigned a contaminated sites officer to discuss final Waste Discharge Permit Application; Coordinating preliminary meeting with the Ministry of Environment (MOE)
Procurement	<ul style="list-style-type: none"> • Held topic meetings with Proponents • Issued updated RFP and Design-Build Agreements (DBA) to Proponents • Ongoing response to Proponent Requests for Information
Construction	<ul style="list-style-type: none"> • Construction resumed on 27B Avenue Improvements Project • Ongoing settlement monitoring of sand stockpile site south of River Road and monitoring of adjacent and nearby infrastructure

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.



4. PROJECT DELIVERY

Safety

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

Quality

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

Project Controls

Objectives	<ul style="list-style-type: none">• Effectively manage the Project's contracts, scope, schedule and cost• 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• Ongoing updates to Project Management Plan
Accomplished in May 2019	<ul style="list-style-type: none">• Held regular Project control meetings with discipline leads
Key activities for Next 3 months	<ul style="list-style-type: none">• Continue regular Project control meetings with discipline leads• Monitor Project schedule, scope and budget

5. Project Development

Stakeholder Engagement

Scope	<ul style="list-style-type: none">• Manage ongoing public and stakeholder consultation, community relations and Project communications
Accomplished in May 2019	<ul style="list-style-type: none">• Continued stakeholder engagement related to the DNR boardwalk realignment and cycling plans• Ongoing enquiry response
Key activities for Next 3 months	<ul style="list-style-type: none">• Continue community and stakeholder engagement• Ongoing enquiry response• Communications to support procurement milestones• Business and community group presentations upon request

Environment

Scope	<ul style="list-style-type: none">• Develop OEEA and supporting environmental reports• Manage Project monitoring and permitting process• Ensure the Project adheres to obligations defined within the SFPR Project Environmental Assessment Certificate (EAC) Table of Commitments and Assurances (TOCA)
Accomplished in May 2019	<ul style="list-style-type: none">• Project assigned a contaminated sites officer to discuss final Waste Discharge Permit Application• Coordination underway to schedule preliminary meeting with MOE• OEEA version 3 and final terms of reference sent to Indigenous Groups, SAP, City of Delta, and Metro Vancouver for review and comment.• AIA interim report #2 in progress to include specialized archaeological sample analysis and compression testing analysis• Revised Site Alteration Permit submitted to FLNR Response submitted to the SAP regarding their comments on Project drainage principles• Soil Characterization work in support of 27B Avenue Paving Project

Key activities for Next 3 months	<ul style="list-style-type: none"> • Receive and incorporate input from City of Delta, Metro Vancouver, SAP, Indigenous groups and other stakeholders on final OEEA document. • Issue OEEA with cover memo to Environmental Assessment Office (EAO) • Issue Project compliance documents on SFPR TOCA and meet with EAO for input/direction • Update Site Alteration Permit Application based on additional feedback received from FLNR • Complete archeological sample analysis and compression testing in support of AIA interim report #2 • Prepare and complete AIA Interim Report #2 • Section 14 Final Permit Report to be drafted • Continue baseline water monitoring data collection • Meet with MOE regarding Waste Discharge Permit Application and submit final application • Confirm direction from FLNR regarding Water Sustainability Act (WSA) Permit application for DNR Boardwalk Project
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Agriculture

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

Indigenous Groups

Scope	<ul style="list-style-type: none"> • Consultation and engagement with Identified Indigenous Groups
Accomplished in May 2019	<ul style="list-style-type: none"> • Provided Project updates as required • Ongoing review of DNR boardwalk relocation information • Submitted OEEA version 3 and Terms of Reference to Indigenous Groups for review and comment
Key activities for Next 3 months	<ul style="list-style-type: none"> • Continue engagement with Indigenous Groups, including meetings and site visits as requested • Obtain comments and include Indigenous Groups' input on OEEA Report • Discuss Project related opportunities and benefits with Indigenous Groups

Procurement

Scope	<ul style="list-style-type: none"> • Develop a business case, RFQ, RFP and subsequent evaluation of submissions • Development and award of tender packages for Design-Bid-Build Contracts
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Accomplished in May 2019	<ul style="list-style-type: none"> • Held topic meetings with Proponents • Ongoing response to Proponent Requests for Information • RFP Evaluation teams organized and prepared to begin evaluation in July • Posted Invitation to Tender for DNR Boardwalk relocation
Key activities for Next 3 months	<ul style="list-style-type: none"> • Continue the Competitive Selection Process with Proponents including workshops and topic meetings • Respond to Requests for Information • Ongoing updates to Data Room materials • Issue Definitive Design-Build Agreement • Prepare for and begin evaluation of technical submissions from Proponents

Engineering/Design

Scope	<ul style="list-style-type: none"> • Develop a design concept, technical requirements/specifications and related technical studies for the Project • Conduct Project related traffic operations modelling, data collection, and other related engineering services • Provide technical input to the procurement and environmental processes • Conduct compliance reviews of work by the Design-Build Contractor
Accomplished in May 2019	<ul style="list-style-type: none"> • Ongoing technical inputs to Requests for Information from Proponents • Undertook additional traffic modelling analysis of the Project area • Prepared final design and tender documents for DNR boardwalk realignment • Prepared 100% design for paving of 27B Avenue at Deltaport Way
Key activities for Next 3 months	<ul style="list-style-type: none"> • Provide technical support for procurement • Prepare final Design for 27B Avenue at Deltaport Way paving and tender contract • Complete design work in support of Tilbury project • Review technical proposal submissions

Construction

Scope	<ul style="list-style-type: none"> • Overall planning, coordination and implementation of construction activities
Accomplished in May 2019	<ul style="list-style-type: none"> • Ongoing survey monitoring of preload sand stockpile • Completed monitoring of preload at 27B Avenue • 27B Avenue contractor has been remobilized to site • Prepare contract for building demolition at 9750 River Road Property
Key activities for Next 3 months	<ul style="list-style-type: none"> • Ongoing survey monitoring of preload sand stockpile • 27B Avenue contractor continuing civil construction works with completion scheduled for late August 2019 • Close tender and award DNR Boardwalk Relocation contract with work anticipated to begin in July • Tender contract and complete demolition of 9750 River Road Property

Property Acquisition

Scope	<ul style="list-style-type: none">• Acquire land rights to deliver the Project (majority of the Project falls within existing highway boundaries)
Accomplished in May 2019	<ul style="list-style-type: none">• Completion of Hazmat Assessment/Removal for building demolition• Continued discussions with one remaining property owner• Obtained Licence for drainage along 96th Street ditch
Key activities for Next 3 months	<ul style="list-style-type: none">• Continue property discussions with one outstanding private owner to secure final agreement• Conduct legal surveys on all required properties to perfect tenure as road or highway

6. Project Cost Report

- To date, \$32 million has been spent on the Project
- The approved capital Project budget is \$245 million