

Highway 91/17 & Deltaport Way Upgrade Project

MONTHLY STATUS REPORT

Reporting Period: August 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				Discussions and consultation with Indigenous groups 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.

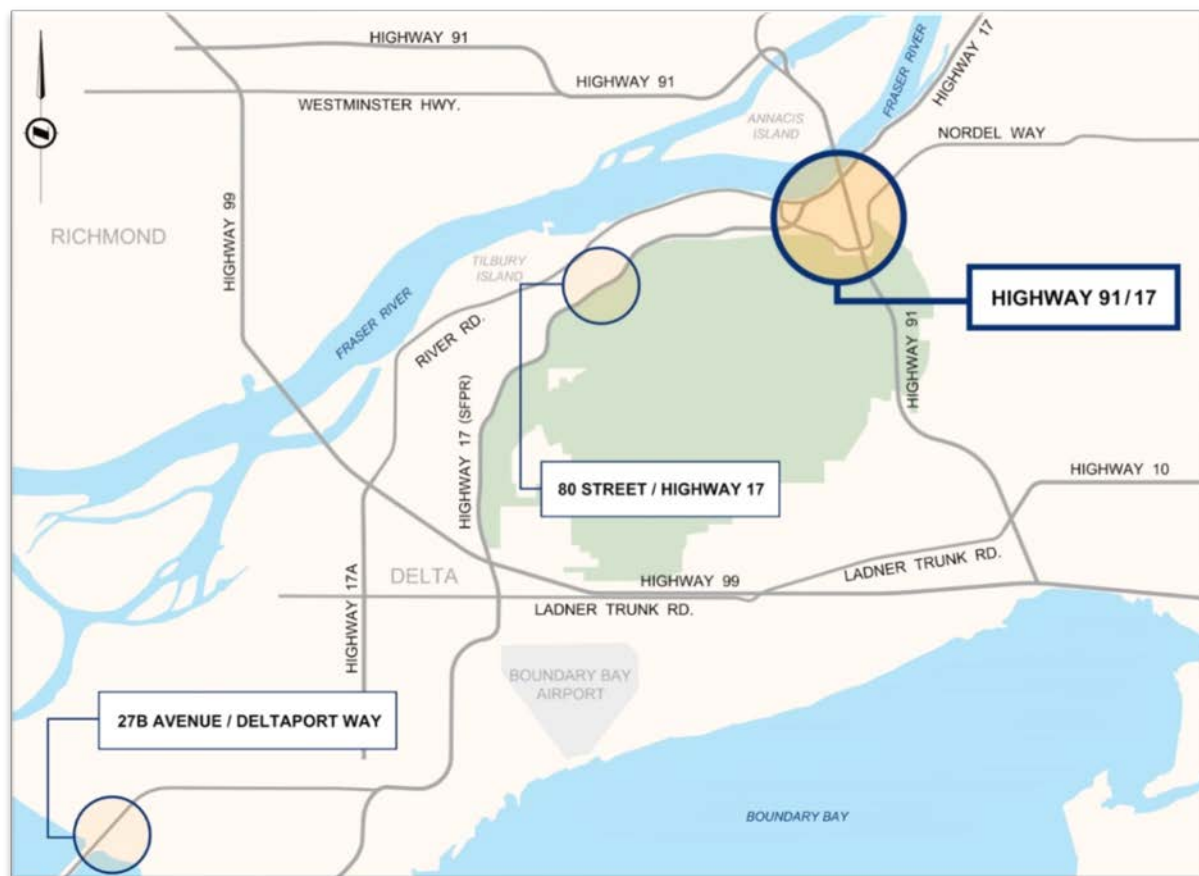
Status	Description
	Not currently applicable, as the Project is in Procurement Phase
	Managing some issues, negotiating resolution; required immediately
	Managing some issues, negotiating resolution; required in the near term
	Good progress

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 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.

Engagement	<ul style="list-style-type: none">• Conducted Public Information Open House• Released Engagement Summary Report (2018)
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• Prepared draft OEEA with corresponding supporting reports• Acceptance from Environmental Assessment Office (EAO) that amendment to SFPR EAC is not required
Agriculture	<ul style="list-style-type: none">• Submitted Agricultural Land Commission (ALC) application• Approval with conditions received from ALC (2018)
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
Design-Build Agreement	<ul style="list-style-type: none">• Issued Request for Qualifications (RFQ) for Highway 91/17 upgrades• Issued Request for Proposals (RFP) for Highway 91/17 upgrades• Issued Definitive Design-Build Agreement• Received and evaluated Technical Submittals• Issued invitations to submit Financial Submittals
Owner-Led Work	<ul style="list-style-type: none">• Awarded Deltaport Way Ramp Improvements construction contract• Awarded 27B Avenue Improvements construction contract• Completed work on Deltaport Way Ramp Improvements• Commenced work on 27B Avenue Improvement Project
Property Acquisition	<ul style="list-style-type: none">• Completed four of five property acquisitions

August 2019 Highlights

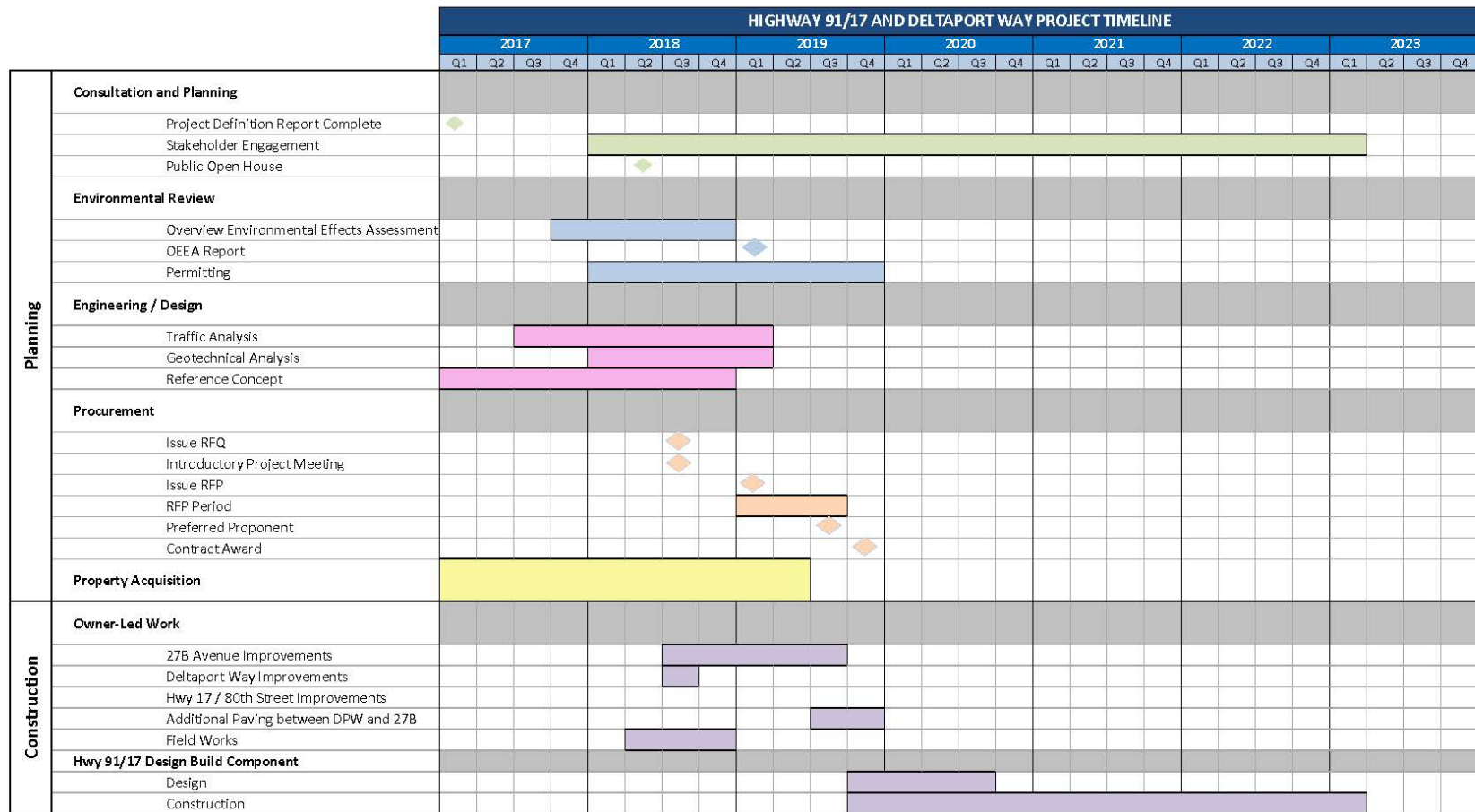
Project highlights this month include:

Engagement	<ul style="list-style-type: none">• Ongoing response to public and stakeholder enquiries
Design/Engineering	<ul style="list-style-type: none">• Coordination with City of Delta on future drainage works
Environment	<ul style="list-style-type: none">• Ongoing comments from Indigenous Groups, Burns Bog Scientific Advisory Panel (SAP), City of Delta, & Metro Vancouver being considered and incorporated into final OEEA• Specialized archaeological sample analysis ongoing• Site Alteration Permit to be resubmitted to Ministry of Forests, Lands, Natural Resource Operations and Rural Development (FLNRO) with comments incorporated from Indigenous Groups• Ongoing engagement with MOE in support of Abandonment Approval Application• Ground water and surface water monitoring ongoing
Design-Build Agreement	<ul style="list-style-type: none">• Design-Build RFP Technical Submittal evaluations completed; Issued invitations to Proponents to Submit Financial Submittals• Ongoing RFI responses to Proponents• Ongoing response to Proponent Requests for Information
Owner-Led Work	<ul style="list-style-type: none">• Tender closed and low bid received for additional paving between Deltaport Way and 27B Avenue Project• Ongoing construction on 27B Avenue Improvements Project• Demolition at 9750 River Road completed

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

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 August 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 August 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 August 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• Review Project risk register based upon award of Design-Build Contract• 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 August 2019	<ul style="list-style-type: none">• Ongoing enquiry response• Communications to support procurement milestones
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• Communications to support 27B Avenue Project completion• 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 August 2019	<ul style="list-style-type: none">• Updated requirements in relation to the Abandonment Approval• Ongoing engagement with MOE in support of Abandonment Approval Application• Comments from Indigenous Groups, Burns Bog Scientific Advisory Panel (SAP), City of Delta, & Metro Vancouver being considered and incorporated into final OEEA• DRAFT Technical Memo regarding Summary and Recommendation for Analysis of samples under review by Indigenous Groups• Site Alteration Permit revised and to be re-submitted to FLNRO including comments provided by Indigenous Groups• Confirmation received from EAO that there are no objections to the Project's determination that an amendment to the SFPR Environmental Assessment Certificate (EAC) is not required
Key activities for Next 3 months	<ul style="list-style-type: none">• Update Site Alteration Permit Application based on additional feedback received from FLNRO & Indigenous Groups and resubmit to FLNRO• Complete archeological sample analysis testing in support of AIA interim report #2• Complete AIA Interim Report #2• Section 14 Final Permit Report to be drafted• Prepare baseline ground water and surface water report and update drainage model based on calibration data obtained• Continue work in support of Abandonment Approval application to MOE in relation to Sunbury Mounds• Obtain Water Sustainability Act (WSA) Permit application for Delta Nature Reserve Boardwalk Project from FLNRO• Post OEEA to Project website

Agriculture

Scope	<ul style="list-style-type: none">• Develop appropriate plans to mitigate potential agricultural effects of the Project
Accomplished in August 2019	<ul style="list-style-type: none">• Ongoing discussions with ALC to ensure compliance with conditions• Reference Plans of properties required for the Project submitted to ALC
Key activities for Next 3 months	<ul style="list-style-type: none">• 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 August 2019	<ul style="list-style-type: none">• Provided Project updates as required• Focused consultation regarding archaeological finds in the Project area• Incorporated comments from Indigenous Groups in draft OEEA
Key activities for Next 3 months	<ul style="list-style-type: none">• Continue engagement with Indigenous Groups, including meetings and site visits as requested• Provide final OEEA to Indigenous Groups• Discuss Project related opportunities and benefits with Indigenous Groups

Design-Build Agreement

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
Accomplished in August 2019	<ul style="list-style-type: none">• RFP Technical Submittals evaluations completed• Invitations issues to Proponents to submit Financial Submittals• Ongoing response to Proponent Requests for Information
Key activities for Next 3 months	<ul style="list-style-type: none">• Continue the Competitive Selection Process with Proponents• Respond to Requests for Information• Ongoing updates to Data Room materials• Receive and evaluate Financial Submittals

Design/Engineering

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 August 2019	<ul style="list-style-type: none">• Undertook additional traffic modelling analysis of the Project area

Key activities for Next 3 months	<ul style="list-style-type: none"> • Provide technical support for procurement • Update and calibration of drainage model based on results of baseline ground water and surface water monitoring program • Engagement with Delta to provide data required for future drainage system
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Owner-Led Works

Scope	<ul style="list-style-type: none"> • Overall planning, coordination and implementation of construction activities
Accomplished in August 2019	<ul style="list-style-type: none"> • Ongoing civil works at 27B Avenue Improvement Project • Completed building demolition at 9750 River Road Property • Continued communications with Fraser Transportation Group (FTG) on Tilbury Project
Key activities for Next 3 months	<ul style="list-style-type: none"> • 27B Avenue Improvement Project Substantial Completion scheduled for September 30, 2019, Total Completion in October • Award contract for Deltaport Way to 27B Paving Project, hold preconstruction meeting, and begin construction • Finalize Province Changes and advance discussions with FTG to conclude Concession Agreement adjustments and construction of Tilbury project

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 August 2019	<ul style="list-style-type: none"> • Continued discussions with remaining property owner
Key activities for Next 3 months	<ul style="list-style-type: none"> • Continue property discussions with remaining property owner to secure final agreement • Continue discussion for Statutory Right of Way agreement with Vancouver Fraser Port Authority • Conduct legal surveys on all required properties to perfect tenure as road or highway

6. Project Cost Report

- To date, \$34 million has been spent on the Project
- The approved capital Project budget is \$245 million