

Highway 91/17 Upgrade Project

MONTHLY STATUS REPORT

Month Ending March 31, 2020

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 \$260 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.	●	●	●	Environmental permit applications made.
Community Benefits	Incorporate the Community Benefits Objectives into the Project.	●	●	●	Community Benefits Objectives outlined in the Design-Build Agreement for implementation by the Design-Builder.
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 & Deltaport Way Upgrade Project (the Program) is comprised of the Highway 91/17 Upgrade Project, as well as the 27B Avenue and Deltaport Way Improvements Project. The 27B Avenue and Deltaport Way improvements have been completed and will no longer be reported out on in subsequent monthly reports.

The Highway 91/17 Upgrade Project (the Project) is a subcomponent project of the broader Program and includes a combination of improvements to the existing Highway 91, Highway 17, and Highway 91 Connector corridors to improve travel safety 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.

A Design-Build Agreement between the BC Ministry of Transportation and Infrastructure (the Ministry), the BC Transportation Financing Authority (BCTFA), and Pacific Gateway Constructors General Partnership (the Design-Builder) was signed on December 13, 2019. As such, the Project has entered the implementation phase and a comprehensive Monthly Status Report will be prepared to report on progress, budget status, and risk.

March 2020 Highlights

Project highlights this month include:

Stakeholder Engagement	<ul style="list-style-type: none">• In response to COVID-19 developments, the March 31, 2020 Public Information Session was postponed
Environment	<ul style="list-style-type: none">• Discussions held with Ministry of Forests, Lands, Natural Resource Operations and Rural Development (FLNRORD) regarding Water Sustainability Act permit applications• Meetings held with the Design-Builder to continue advancing abandonment of the existing contaminated sites
Safety	<ul style="list-style-type: none">• COVID-19 health recommendations to work from home in effect• Social distancing being followed for the staff required to work in the field as inspectors
Design	<ul style="list-style-type: none">• Ongoing development and review of Design-Builder detailed design
Construction	<ul style="list-style-type: none">• Geotechnical investigations ongoing• Site preparations underway
Traffic Management	<ul style="list-style-type: none">• Shoulder closures of Hwy 17, River Road and Hwy 91C in areas to accommodate geotechnical investigations and utility investigations
Quality	<ul style="list-style-type: none">• Ongoing implementation of Design-Builder Quality Management System

3. PROJECT DELIVERY

Project Controls

Completed this Month	<ul style="list-style-type: none"> Ongoing project control meetings Ongoing review of Risk Register Ongoing review of project schedule, scope and budget Updates to Project Management Plan
Key activities for Next 3 months	<ul style="list-style-type: none"> Ongoing project control meetings Ongoing review of project schedule, scope and budget

4. PROJECT DEVELOPMENT

Communications and Stakeholder Engagement

Completed this Month	<ul style="list-style-type: none"> Provided updates to interested stakeholder groups as requested Postponed public information session scheduled on March 31 in light of COVID-19 developments Reviewed contractor communications documents in accordance with the Design-Build Agreement
Key Activities for Next 3 months	<ul style="list-style-type: none"> Conduct Project update meetings with stakeholders Post public information session materials to the Project website Support the Design-Builder with upcoming traffic and construction notifications to the public, community and stakeholders Project website updates Ongoing enquiry response

Environment

Completed this Month	<ul style="list-style-type: none"> Submission of Site Alteration Permit application to Archaeology Branch Secured extension for existing Heritage Inspection Permit Reviewed Design-Builder’s geotechnical program for monitoring archaeological information Discussions held with FLNRORD regarding Water Sustainability Act permit timelines Meetings held with the Design-Builder regarding environmental components of the Project
Key Activities for Next 3 months	<ul style="list-style-type: none"> Address new comments on AIA Interim Report #2 and submit application for Site Alteration Permit Continue monitoring geotechnical drilling Design-Builder will apply for their own Heritage Inspection Permit

Agriculture

Completed this Month	<ul style="list-style-type: none"> Engaged the Design-Builder regarding potential soil removal and/or reuse
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Key activities for Next 3 months	<ul style="list-style-type: none"> • Monitor design status and determine any requirements to meet ALR conditions
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Indigenous Groups

Completed this Month	<ul style="list-style-type: none"> • Updated Indigenous Groups with information regarding the Design-Builder's schedule, updated design concept, and archaeological and environmental permitting • Communicated with Indigenous Groups to support participation in the Design-Builder's geotechnical investigation program, in the context of COVID-19
Key Activities for Next 3 months	<ul style="list-style-type: none"> • Provide key project documents to Indigenous Groups for review • Ongoing consultation and engagement relating to geotechnical, environmental and archaeological works

5. DESIGN BUILD PROGRESS

Safety

Completed this Month	<ul style="list-style-type: none"> • Onsite safety training sessions ongoing for all site staff • Weekly safety briefings for all active site crews • COVID-19 site safety protocols created and implemented
Key Activities for Next 3 months	<ul style="list-style-type: none"> • Updates to COVID-19 site safety protocols as required • Regular safety briefings for active site crews as required • Monthly mass safety meetings • Ongoing site safety training as required
Safety Incidents	<ul style="list-style-type: none"> • No safety incidents in this period

Design

Completed this Month	<ul style="list-style-type: none"> • Ongoing meetings with various regulatory agencies/stakeholders • Continued to develop and review design • Ongoing geotechnical drilling program
Key Activities for Next 3 months	<ul style="list-style-type: none"> • Ongoing design development

Construction

Completed this Month	<p>Segment 1 – River Road / Highway 17 Interchange</p> <ul style="list-style-type: none"> • Geotechnical investigation near completion <p>Segment 2 – Highway 91C / Highway 17 Interchange</p> <ul style="list-style-type: none"> • Geotechnical investigation ongoing
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	<p>Segment 3 – Highway 91C / Weigh Scale Interchange</p> <ul style="list-style-type: none"> • City of Delta nighttime work on Nordel Way between Weigh Station Road and River Way completed (work by others) • Geotechnical investigation ongoing <p>Segment 4 – Nordel Way / Highway 91 Interchange</p> <ul style="list-style-type: none"> • Geotechnical investigation ongoing
Key Activities for Next 3 months	<p>Segment 1 – River Road / Highway 17 Interchange</p> <ul style="list-style-type: none"> • Obtain permits and approvals • Begin clearing and grubbing • Preload of Hwy 17 / River Road on-/off-ramp roundabout areas • Asphalt pavement testing on Hwy 17 <p>Segment 2 – Highway 91C / Highway 17 Interchange</p> <ul style="list-style-type: none"> • Geotechnical investigations • Obtain permits and approvals • Begin clearing and grubbing • Hwy 91C alignment shift and lane width reduction • Asphalt pavement testing on Hwy 17 <p>Segment 3 – Highway 91C / Weigh Scale Interchange</p> <ul style="list-style-type: none"> • Obtain permits and approvals • Geotechnical investigations ongoing <p>Segment 4 – Nordel Way / Highway 91 Interchange</p> <ul style="list-style-type: none"> • Obtain permits and approvals and design • Geotechnical Investigations ongoing • Asphalt pavement testing on Hwy 91

Traffic Management

Completed this Month	<ul style="list-style-type: none"> • Shoulder closures of Hwy 17, River Road and Hwy 91C in areas to accommodate geotechnical investigations and utility potholing
Key Activities for Next 3 months	<ul style="list-style-type: none"> • Ongoing review and monitoring of lane closures • Lane closures anticipated in Segment 1 at River Road and Hwy 17 Eastbound to support preload placement

Quality

Completed this Month	<ul style="list-style-type: none"> • Quality Manual completed • Implementation of Quality Management System
Key Activities for Next 3 months	<ul style="list-style-type: none"> • Ongoing audits of Design-BUILDER Quality Management System

HIGHWAY 91/17 UPGRADE PROJECT

Monthly Status Report – March 2020

6. Milestone Achieved Date

The milestones below have been extracted from the Design-Build Agreement. There is no change to the milestones in this period.

Activity	Target Date	Actual Date
Construction Start Highway 91 / Nordel Way Interchange Delta Nature Reserve Boardwalk Highway 91C / Weigh Scale Interchange Highway 91C/ Highway 17 Interchange Highway 17 / River Road Interchange	April 6, 2020 July 2, 2020 April 6, 2020 April 6, 2020 April 6, 2020	
Construction Complete Highway 91 / Nordel Way Interchange Delta Nature Reserve Boardwalk Highway 91C / Weigh Scale Interchange Highway 91C/ Highway 17 Interchange Highway 17 / River Road Interchange	September 15, 2022 October 6, 2020 March 15, 2023 March 15, 2023 October 4, 2021	
Substantial Completion Date	<i>November 30, 2022</i>	
Total Completion Date	<i>May 31, 2023</i>	

7. Site Photographs



Segment 1. Taken March 2, 2020



Segment 1. Taken March 10, 2020



Segment 2. Taken March 16, 2020



Delta Nature Reserve Boardwalk. Taken March 23, 2020



Soil Cuttings. Taken March 25, 2020



Bog Mats. Taken March 31, 2020

8. Project Cost Report

- To date, \$61.2 million has been spent on the Project
- The approved capital Project budget is \$260 million