

Highway 91/17 Upgrade Project

MONTHLY STATUS REPORT

Month Ending April 30, 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.

April 2020 Highlights

Project highlights this month include:

Stakeholder Engagement	<ul style="list-style-type: none">• Ongoing stakeholder engagement and communications• Posted relevant information session materials on Project website
Environment	<ul style="list-style-type: none">• Reviewed initial environmental work plans• Submitted Archaeological Impact Assessment (AIA) Interim Report #2 and Site Alteration Permit application to Archaeology Branch• Ongoing review of Design-Builder design to advance 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• COVID-19 Site Office Protocols meeting for May 2020 implementation
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
Quality	<ul style="list-style-type: none">• Ongoing implementation of Design-Builder Quality Management System

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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
Key activities for Next 3 months	<ul style="list-style-type: none">• Ongoing project control meetings• Updates to Risk Register as necessary• Ongoing review of project schedule, scope and budget

DB Submissions

Completed this Month	<ul style="list-style-type: none">• 26 Submissions received
Key activities for Next 3 months	<ul style="list-style-type: none">• 7 Submissions expected

4. PROJECT DEVELOPMENT

Communications and Stakeholder Engagement

Completed this Month	<ul style="list-style-type: none">• Provided updates to interested stakeholder groups as requested• Posted information session materials on Project website• Reviewed contractor communications documents
Key Activities for Next 3 months	<ul style="list-style-type: none">• Continue to support the Design-Builder on upcoming traffic and construction notifications to the public, community and stakeholders• Finalize and continue to update new Project website• Initiate Project Traffic Advisory Committee• Ongoing enquiry response

Environment

Completed this Month	<ul style="list-style-type: none">• Received initial comments from Archaeology Branch regarding Archaeology Reports• Continued to monitor the Design-Builder's geotechnical program for archaeological information• Water Sustainability Act permit submissions under review by FLNRORD• Ongoing review of Design-Builder design to advance abandonment of the existing contaminated sites
Key Activities for Next 3 months	<ul style="list-style-type: none">• Address Archaeology Branch comments on Permit application• Submit Ministry of Environment permit application for Sunbury contaminated sites• Continue monitoring geotechnical drilling program• Design-Builder to apply for Heritage Inspection Permit and associated Indigenous Group permits

Agriculture

Completed this Month	<ul style="list-style-type: none">Ongoing discussions with the Design-Builder regarding potential soil removal and/or reuse
Key activities for Next 3 months	<ul style="list-style-type: none">Monitor design status and determine any requirements to meet Agricultural Land Reserve (ALR) conditions

Indigenous Groups

Completed this Month	<ul style="list-style-type: none">Shared Project updates and information with Indigenous GroupsCommunicated with Indigenous Groups to support participation in the Design-Builder's geotechnical investigation program
Key Activities for Next 3 months	<ul style="list-style-type: none">Continue to consult and provide Project updates to Indigenous Groups

5. DESIGN BUILD PROGRESS

Safety

Completed this Month	<ul style="list-style-type: none">Onsite safety training sessions held for all site staffWeekly safety briefings for all active site crewsCOVID-19 site safety protocols in place and being followed
Key Activities for Next 3 months	<ul style="list-style-type: none">Updates to COVID-19 site safety protocols as requiredDaily & weekly safety briefings for active site crews as requiredMonthly mass safety meetingsOngoing 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/stakeholdersContinued development and review of designOngoing geotechnical drilling program
Key Activities for Next 3 months	<ul style="list-style-type: none">Ongoing design development and review

Construction

Completed this Month	Segment 1 – River Road / Highway 17 Interchange <ul style="list-style-type: none">Geotechnical investigation completedWildlife salvage completedBird Nest survey ongoingInvasive Species investigation ongoing Segment 2 – Highway 91C / Highway 17 Interchange
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	<ul style="list-style-type: none"> • Geotechnical investigation completed • Wildlife salvage ongoing • Addressed Hwy 91C and 17 intersection traffic light issue <p>Segment 3 – Highway 91C / Weigh Scale Interchange</p> <ul style="list-style-type: none"> • 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 • Preload of Hwy 17 / River Road on-/off-ramp roundabout areas • Begin clearing and grubbing • River Road utility relocation <p>Segment 2 – Highway 91C / Highway 17 Interchange</p> <ul style="list-style-type: none"> • Obtain permits and approvals • Hwy 91C alignment shift and lane width reduction • Begin clearing and grubbing • Begin preload of new alignments <p>Segment 3 – Highway 91C / Weigh Scale Interchange</p> <ul style="list-style-type: none"> • Obtain permits and approvals • Preload north of Hwy91C • Wildlife salvage south of Hwy91C • Clearing and grubbing south of Hwy91C <p>Segment 4 – Nordel Way / Highway 91 Interchange</p> <ul style="list-style-type: none"> • Obtain permits and approvals • Geotechnical investigations ongoing • Implement Hwy 91 northbound ramp detour

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"> • Ongoing implementation of Quality Management System
Key Activities for Next 3 months	<ul style="list-style-type: none"> • Initial audits of Design-Builder Quality Management System

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6. Milestones Achieved Date

The milestone dates shown in DBA Schedule 3 Appendix A have been updated in the April 2020 Works Schedule submitted by the Design-Builder as follows:

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

7. Site Photographs



Bog Mats. Taken April 1, 2020



Segment 3. Taken April 2, 2020



Segment 3. Taken April 14, 2020



Highway 17 Eastbound. Taken April 20, 2020



Delta Watermain. Taken April 24, 2020



Segment 3. Taken April 27, 2020

8. Project Cost Report

- To date, \$64 million has been spent on the Project
- The approved capital Project budget is \$260 million