

Highway 91/17 Upgrade Project

MONTHLY STATUS REPORT

Month Ending May 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. Monitoring of potential COVID-19 impacts.
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-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.

May 2020 Highlights

Project highlights this month include:

Stakeholder Engagement	<ul style="list-style-type: none">Met with interested stakeholder groups (Delta HUB/BC Cycling Coalition) to review the design concept and proposed cycling detour
Environment	<ul style="list-style-type: none">Environmental protection measures installed in the River Road/Highway interchangeDesign-Builder completed most of the geotechnical drilling requiring Archaeological monitoringMeetings held with Ministry of Environment (ENV) regarding contaminated sites
Safety	<ul style="list-style-type: none">Social distancing being followed for the staff working in the office and on siteCOVID-19 Site Office Protocols orientation held for staff working out of the office
Design	<ul style="list-style-type: none">Early works preload design, River Road watermain design, and River Road detour design provided to the ProvinceVarious design related plans approved by the Province this month

Construction	<p>Segment 1 – River Road / Highway 17 Interchange</p> <ul style="list-style-type: none"> • Clearing and grubbing work started • Ongoing bird nest survey <p>Segment 2 – Highway 91C / Highway 17 Interchange</p> <ul style="list-style-type: none"> • No construction work this period <p>Segment 3 – Highway 91C / Weigh Scale Interchange</p> <ul style="list-style-type: none"> • Geotechnical investigation complete <p>Segment 4 – Highway 91 / Nordel Way interchange</p> <ul style="list-style-type: none"> • Ongoing geotechnical investigation
Traffic Management	<ul style="list-style-type: none"> • Hwy 17 EB nighttime slow lane closure
Quality	<ul style="list-style-type: none"> • Ongoing development and review of quality documents

3. PROJECT DELIVERY

Project Controls

Completed this Month	<ul style="list-style-type: none"> • Ongoing project control meetings • Ongoing review of Risk Register • Ongoing implementation of document control and records management system
Key activities for Next 3 months	<ul style="list-style-type: none"> • Ongoing project control meetings • Ongoing review of Risk Register • 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 • Ongoing enquiry response • Supported the Design-Builder with traffic and construction notifications to the public, community, and stakeholders
Key Activities for Next 3 months	<ul style="list-style-type: none"> • Continue to meet with interested stakeholder groups • Continue to support the Design-Builder regarding upcoming traffic and construction notifications to the public, community and stakeholders • Ongoing enquiry response • Hold initial Project Traffic Advisory Committee meeting

Environment

Completed this Month	<ul style="list-style-type: none">• Ongoing application and securing of permits for archaeological sites, Water Sustainability Act (WSA) permits, and Department of Fisheries and Oceans (DFO) permits• Design-Builder's geotechnical program completed• Meetings held with Design-Builder and the Ministry of Forests, Lands, Natural Resource Operations and Rural Development (FLNRORD)• Meetings held with the Design-Builder and ENV for contaminated materials on the Project
Key Activities for Next 3 months	<ul style="list-style-type: none">• The Project and Design-Builder to secure remaining permits• Design-Builder may potentially continue monitoring geotechnical drilling program• Engage Environmental Management Services consultant

Agriculture

Completed this Month	<ul style="list-style-type: none">• No actions this month
Key activities for Next 3 months	<ul style="list-style-type: none">• Monitor design status and determine any requirements to meet Agricultural Land Commission (ALC) conditions

Indigenous Groups

Completed this Month	<ul style="list-style-type: none">• Ongoing review and sharing of key Project documents with Indigenous groups• Ongoing communications and updates with Indigenous groups
Key Activities for Next 3 months	<ul style="list-style-type: none">• Provide key Project documents to Indigenous groups for review• On-going consultation and engagement with Indigenous groups

5. DESIGN BUILD PROGRESS

Safety

Completed this Month	<ul style="list-style-type: none">• Pacific Gateway Constructors is the Prime Contractor on the Project Site• Onsite safety training sessions held for all Project staff
Key Activities for Next 3 months	<ul style="list-style-type: none">• Heavy construction activities to commence• Ongoing site safety training sessions as required• Daily & weekly safety briefings for active site crews• Monthly mass safety meetings
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 development and review of design
Key Activities for Next 3 months	<ul style="list-style-type: none">• Ongoing design development and review

Construction

Completed this Month	<p>Segment 1 – River Road / Highway 17 Interchange</p> <ul style="list-style-type: none">• Bird nest survey ongoing• Invasive Species investigation ongoing• Clearing and grubbing activities commenced <p>Segment 2 – Highway 91C / Highway 17 Interchange</p> <ul style="list-style-type: none">• Hwy 91C and 17 intersection traffic light issue addressed <p>Segment 3 – Highway 91C / Weigh Scale Interchange</p> <ul style="list-style-type: none">• Geotechnical investigation completed• Review lane shift proposals of Hwy 91C• Review intersection Hwy 91C and truck parking shift design <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">• Preload of Hwy 17 / River Road on-/off-ramp roundabout areas• Clearing and grubbing mostly complete• River Road utility relocation preparation• Preload/embankment fills for Hwy 17 detour ongoing <p>Segment 2 – Highway 91C / Highway 17 Interchange</p> <ul style="list-style-type: none">• Hwy 91C alignment shift and lane width reduction• Hwy 91C cyclist detour review and implementation• Wildlife salvage work to commence• Clearing and grubbing to commence• Preload of new alignments to begin on North Side of Hwy 91C <p>Segment 3 – Highway 91C / Weigh Scale Interchange</p> <ul style="list-style-type: none">• Preload north side of Hwy91C• Detour C02 – Intersection of Hwy 91C and truck parking shift east• Wildlife salvage south side of Hwy91C• Clearing and Grubbing south side Hwy91C <p>Segment 4 – Nordel Way / Highway 91 Interchange</p> <ul style="list-style-type: none">• Geotechnical investigations ongoing

- Implementation of Detour E01 – Hwy 91 NB to Nordel EB at signalized intersection
- Implementation of Detour E02 – Hwy 91 SB to Nordel EB loop ramp

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"> • Nighttime lane closures Hwy 17 EB • Pending approvals of work plans, preload activities anticipated in Segment 1 at River Road and Hwy 17 eastbound

Quality

Completed this Month	<ul style="list-style-type: none"> • Construction activities have commenced • Ongoing development and implementation of quality documents
Key Activities for Next 3 months	<ul style="list-style-type: none"> • Ongoing implementation of quality management system • Commencement of quality audits

6. Milestones Achieved Date

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

Activity	Target Date	Actual Date
Construction Start		
Highway 91 / Nordel Way Interchange	June 18, 2020	
Delta Nature Reserve Boardwalk	July 2, 2020	
Highway 91C / Weigh Scale Interchange	July 20, 2020	
Highway 91C/ Highway 17 Interchange	June 15, 2020	
Highway 17 / River Road Interchange	May 8, 2020	May 8, 2020
Construction Complete		
Highway 91 / Nordel Way Interchange	September 15, 2022	
Delta Nature Reserve Boardwalk	October 6, 2020	
Highway 91C / Weigh Scale Interchange	November 30, 2022	
Highway 91C/ Highway 17 Interchange	October 7, 2022	
Highway 17 / River Road Interchange	September 7, 2021	

HIGHWAY 91/17 UPGRADE PROJECT

Monthly Status Report – May 2020

Activity	Target Date	Actual Date
Substantial Completion Date	<i>November 30, 2022</i>	
Total Completion Date	<i>May 31, 2023</i>	

7. Site Photographs



Hwy 91C EB lane closure. Taken May 4, 2020



Segment 3. Taken May 5, 2020



Segment 1 clearing work. Taken May 14, 2020



Segment 4, Delta Nature Reserve. Taken May 19, 2020



Segment 1 fill placement. Taken May 28, 2020



Hwy 17 Detour. Taken May 31, 2020

8. Project Cost Report

- To date, \$66 million has been spent on the Project
- The approved capital Project budget is \$260 million