

# Highway 91/17 Upgrade Project

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MONTHLY STATUS REPORT

Month Ending February 29, 2020

# 1. PROJECT DASHBOARD

Project Delivery Objectives		Overall Project	DB Contractor	Owners/Other Works	Comments
<b>Safety</b>	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.
<b>Budget</b>	Delivered within the approved budget.	●	●	●	The Project has an approved capital budget of \$260 million and continues to track on budget.
<b>Schedule</b>	Delivered within the approved schedule.	●	●	●	All key Project activities are proceeding on schedule.
<b>Scope</b>	Deliver the approved scope.	●	●	●	Delivery of the specified components is on track.
<b>Indigenous Groups</b>	Continue to build and maintain a positive collaborative working relationship	●	●	●	Discussions and consultation with Indigenous groups ongoing.
<b>Environmental</b>	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.
<b>Community Benefits</b>	Incorporate the Community Benefits Objectives into the Project.	●	●	●	Community Benefits Objectives outlined in the Design-Build Agreement for implementation by the Design-Builder.
<b>Third Parties</b>	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.
<b>Stakeholder Engagement</b>	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.
<b>Quality</b>	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 Project also complements the recently completed 72<sup>nd</sup> 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.

### February 2020 Highlights

Project highlights this month include:

<b>Stakeholder Engagement</b>	<ul style="list-style-type: none"><li>• Executed Municipal Agreement</li><li>• Hosted Project ground-breaking event</li></ul>
<b>Environment</b>	<ul style="list-style-type: none"><li>• Meetings held with the Design-Builder regarding environmental components of the Project, including Water Sustainability Act permit timelines for critical path areas</li></ul>
<b>Safety</b>	<ul style="list-style-type: none"><li>• Onsite safety training sessions held for all Ministry staff</li></ul>
<b>Design</b>	<ul style="list-style-type: none"><li>• Geotechnical investigation underway</li></ul>
<b>Construction</b>	<ul style="list-style-type: none"><li>• Commenced utility potholing and geotechnical investigation program</li><li>• Ministry project office set up and the Project team moved in</li></ul>
<b>Traffic Management</b>	<ul style="list-style-type: none"><li>• Shoulder closures of Hwy 17, River Road and Hwy 91C in areas to accommodate geotechnical investigations and utility potholing</li></ul>
<b>Quality</b>	<ul style="list-style-type: none"><li>• Design-Builder appointed a Quality Director</li></ul>

### 3. PROJECT DELIVERY

#### Project Controls

Completed this Month	<ul style="list-style-type: none"><li>• Ongoing project control meetings</li><li>• Ongoing review of Risk Register</li><li>• Ongoing review of project schedule, scope and budget</li><li>• Development of document control and records management system to receive Design-Builder's submissions.</li><li>• Updates made to Project Management Plan</li></ul>
Key activities for Next 3 months	<ul style="list-style-type: none"><li>• Ongoing project control meetings</li><li>• Ongoing review of Risk Register</li><li>• Ongoing review of project schedule, scope and budget</li></ul>

#### DB Submissions

Completed this Month	<ul style="list-style-type: none"><li>• 10 Consent Submissions received</li><li>• 3 Review Submissions received</li></ul>
Key activities for Next 3 months	<ul style="list-style-type: none"><li>• 10 Consent Submissions expected</li><li>• 4 Review Submissions expected</li></ul>

### 4. PROJECT DEVELOPMENT

#### Communications and Stakeholder Engagement

Completed this Month	<ul style="list-style-type: none"><li>• Executed Municipal Agreement</li><li>• Provided updates to interested stakeholder groups as requested</li><li>• Preparing for stakeholder meetings and public information session to present updated design and construction schedule, including plans for the boardwalk relocation within the Delta Nature Reserve</li><li>• Reviewing contractor communications plans</li><li>• Distributed notice to stakeholders and posted update to website regarding pre-construction survey and geotechnical investigation work</li><li>• Hosted Project ground-breaking event</li></ul>
Key Activities for Next 3 months	<ul style="list-style-type: none"><li>• On-going stakeholder engagement meetings</li><li>• Conduct Project update meetings with stakeholders</li><li>• Host public information session</li><li>• Project Website updates</li><li>• Ongoing enquiry response</li></ul>

#### Environment

Completed this Month	<ul style="list-style-type: none"><li>• Comments on finalized Interim Archaeology Impact Assessment Report #2 received from Archaeology Branch</li><li>• Meetings held with the Design-Builder regarding environmental components of the Project</li></ul>
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	<ul style="list-style-type: none"> <li>• Discussions held with the Design-Builder regarding Water Sustainability Act permit timelines for critical path areas</li> <li>• Meetings held to continue advancing abandonment of the existing contaminated sites, information has been received from Design-Builder to support the application</li> </ul>
Key activities for Next 3 months	<ul style="list-style-type: none"> <li>• Submit application for Section 12.4 Site Alteration Permit</li> </ul>

## Agriculture

Completed this Month	<ul style="list-style-type: none"> <li>• Review of Agricultural Land Commission (ALC) conditions against the Design-Builder's plans to determine actions</li> </ul>
Key activities for Next 3 months	<ul style="list-style-type: none"> <li>• Engage the Design-Builder regarding plans for possible soil removal in Agricultural Land Reserve (ALR) lands</li> </ul>

## Indigenous Groups

Completed this Month	<ul style="list-style-type: none"> <li>• Updated Indigenous Groups with information regarding Design-Build contract award, updated design concept, upcoming public event, and archaeological and environmental permitting</li> <li>• Continued meetings between Indigenous Group representatives and Design-Builder representatives</li> <li>• Provided updated geotechnical investigation information</li> </ul>
Key Activities for Next 3 months	<ul style="list-style-type: none"> <li>• Provide key project documents to Indigenous Groups for review</li> <li>• On-going consultation and engagement relating to environmental and archaeological works</li> </ul>

## 5. DESIGN BUILD PROGRESS

### Safety

Completed this Month	<ul style="list-style-type: none"> <li>• Design-Builder is the Prime Contractor on the Project Site</li> <li>• Onsite safety training sessions held for all Design-Builder and Ministry staff</li> </ul>
Key Activities for Next 3 months	<ul style="list-style-type: none"> <li>• Heavy construction activities expected to commence in late April</li> <li>• Ongoing site safety training as required</li> </ul>
Safety Incidents	<ul style="list-style-type: none"> <li>• No safety incidents in this period</li> </ul>

### Design

Completed this Month	<ul style="list-style-type: none"> <li>• On-going meetings with various regulatory agencies/stakeholders</li> <li>• Submitted 30% design for review and comment</li> </ul>
Key Activities for Next 3 months	<ul style="list-style-type: none"> <li>• On-going design development</li> </ul>

## HIGHWAY 91/17 UPGRADE PROJECT

Monthly Status Report – February 2019

## Construction

<p><b>Completed this Month</b></p>	<p><b>Segment 1 – River Road / Highway 17 Interchange</b></p> <ul style="list-style-type: none"> <li>• Commenced utility potholing</li> <li>• Commenced geotechnical investigation</li> </ul> <p><b>Segment 2 – Highway 91C / Highway 17 Interchange</b></p> <ul style="list-style-type: none"> <li>• BNSF crossing at 96<sup>th</sup> St required repairs and Delta crews with BNSF traffic control repaired</li> </ul> <p><b>Segment 3 – Highway 91C / Weigh Scale Interchange</b></p> <ul style="list-style-type: none"> <li>• Ministry project office set up. Design-Builder project office set up ongoing</li> <li>• Commenced utility potholing near entrance to the Nordel truck parking area and near access to Nordel weigh scale</li> </ul> <p><b>Segment 4 – Nordel Way / Highway 91 Interchange</b> Construction activities have not commenced</p>
<p><b>Key Activities for Next 3 months</b></p>	<p><b>Segment 1 – River Road / Highway 17 Interchange</b></p> <ul style="list-style-type: none"> <li>• Obtain permits and approvals</li> <li>• On-going geotechnical investigations</li> <li>• Preload of Hwy 17 / River Road on-/off-ramp roundabout areas</li> </ul> <p><b>Segment 2 – Highway 91C / Highway 17 Interchange</b></p> <ul style="list-style-type: none"> <li>• Obtain permits and approvals</li> <li>• On-going geotechnical investigations</li> </ul> <p><b>Segment 3 – Highway 91C / Weigh Scale Interchange</b></p> <ul style="list-style-type: none"> <li>• Obtain permits and approvals</li> <li>• On-going geotechnical investigations</li> </ul> <p><b>Segment 4 – Nordel Way / Highway 91 Interchange</b></p> <ul style="list-style-type: none"> <li>• Obtain permits and approvals</li> <li>• On-going geotechnical investigations</li> </ul>

## Traffic Management

<p><b>Completed this Month</b></p>	<ul style="list-style-type: none"> <li>• Shoulder closures of Hwy 17, River Road and Hwy 91C in areas to accommodate geotechnical investigations and utility potholing</li> </ul>
<p><b>Key Activities for Next 3 months</b></p>	<ul style="list-style-type: none"> <li>• On-going shoulder closures in support of geotechnical investigations</li> <li>• Pending approvals of workplans, preload activities anticipated in Segment 1 at River Road and Hwy 17 EB</li> </ul>

## Quality

<p><b>Completed this Month</b></p>	<ul style="list-style-type: none"> <li>• Reviewed and accepted the nominated Design-Builder's Quality Director</li> </ul>
<p><b>Key Activities for Next 3 months</b></p>	<ul style="list-style-type: none"> <li>• Ongoing development of Design-Builder's quality documents (QMPs, QSPs, ITPs)</li> </ul>

## HIGHWAY 91/17 UPGRADE PROJECT

Monthly Status Report – February 2019

## 6. Milestones Achieved Date

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

<b>Activity</b>	<b>Target Date</b>	<b>Actual Date</b>
<b>Construction Start</b>		
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	
<b>Construction Complete</b>		
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



Hwy 91/17 Sign to Nordel Way (Feb. 13, 2020)



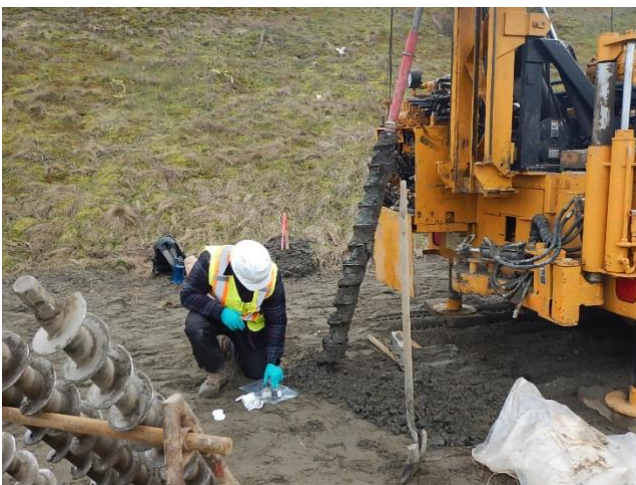
Site Office Construction (Feb. 13, 2020)



Ground-breaking Media Event (Feb. 14, 2020)



96th Street BNSF Crossing Repairs (Feb. 24, 2020)



Geotechnical Investigations (Feb. 24, 2020)



Segment 1 Preload (Feb. 28, 2020)



## 8. Project Cost Report

- To date, \$57.4 million has been spent on the Project
- The approved capital Project budget is \$260 million