

# Highway 91/17 Upgrade Project

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MONTHLY STATUS REPORT

Month Ending January 31, 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 Highway 91/17 components also complement 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.

### January 2020 Highlights

Project highlights this month include:

<b>Stakeholder Engagement</b>	<ul style="list-style-type: none"><li>• City of Delta Municipal Agreement approved for execution</li></ul>
<b>Environment</b>	<ul style="list-style-type: none"><li>• Archaeology Impact Assessment Report #2 comments received, and report finalised for issuance to Archeology Branch</li><li>• Application for Section 12.4 Site Alteration Permit ongoing</li></ul>
<b>Safety</b>	<ul style="list-style-type: none"><li>• Development of Design-Builder's safety program for the Project</li></ul>
<b>Design</b>	<ul style="list-style-type: none"><li>• Preparation of Design-Builder's geotechnical investigation plan</li><li>• Commencement of design for all four segments of the Project</li></ul>
<b>Construction</b>	<ul style="list-style-type: none"><li>• Ongoing preparation of Site Office</li></ul>
<b>Quality</b>	<ul style="list-style-type: none"><li>• Review of Design-Builder's Quality Management Plans</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</li><li>• Development of 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>• 11 Consent Submissions received</li><li>• No Review Submissions received</li></ul>
Key activities for Next 3 months	<ul style="list-style-type: none"><li>• 16 Consent Submissions expected</li><li>• 7 Review Submissions expected</li></ul>

### 4. PROJECT DEVELOPMENT

#### Communications and Stakeholder Engagement

Completed this Month	<ul style="list-style-type: none"><li>• City of Delta Municipal Agreement approved for execution</li><li>• Meeting held with Burns Bog Conservation Society to provide a project update</li><li>• Provided updates to interested stakeholder groups as requested</li></ul>
Key Activities for Next 3 months	<ul style="list-style-type: none"><li>• On-going stakeholder engagement meetings as requested</li><li>• Communications to support Project ground-breaking event</li><li>• Support Design-Builder's communications program with respect to traffic and construction notices, including regular updates to the Project website</li></ul>

#### Environment

Completed this Month	<ul style="list-style-type: none"><li>• Archaeology Impact Assessment Report #2 comments received and report finalised for issuance to Archeology Branch</li><li>• Coordination with Design-Builder on background to Environmental components of the Project</li><li>• Continued work in support of Abandonment Approval application to MOE in relation to Sunbury mounds</li><li>• Application for Section 12.4 Site Alteration Permit ongoing</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><li>• Submit and obtain approval from MOE for realignment of Sunbury mounds.</li></ul>

## Agriculture

Completed this Month	<ul style="list-style-type: none"><li>Ongoing agricultural consultation</li></ul>
Key activities for Next 3 months	<ul style="list-style-type: none"><li>Monitor compliance of agricultural approval conditions during construction</li></ul>

## Indigenous Groups

Completed this Month	<ul style="list-style-type: none"><li>Provided Project updates as requested</li><li>Design-Builder introduction meetings held with the Identified Indigenous Groups</li></ul>
Key Activities for Next 3 months	<ul style="list-style-type: none"><li>Follow-up communications by email to share materials related to employment and contracting.</li><li>Ongoing meetings with Design-Builder and Identified Indigenous Groups</li></ul>

## 5. DESIGN BUILD PROGRESS

### Safety

Completed this Month	<ul style="list-style-type: none"><li>Development of Design-Builder's safety program for the Project</li></ul>
Key Activities for Next 3 months	<ul style="list-style-type: none"><li>Implementation of Design-Builder's safety program through regularly scheduled orientation sessions</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>Preparation of Design-Builder's geotechnical investigation plan</li><li>Initiation of Design-Builder's survey and utility locates program</li><li>Design work commenced for all four segments of the Project</li><li>Preparation of environment and archaeology permit applications</li></ul>
Key Activities for Next 3 months	<ul style="list-style-type: none"><li>Complete and submit geotechnical investigation plan along with Traffic Management Plans where required</li><li>Continue design work, to be informed by geotechnical drilling program</li><li>Submit 30% design for review and comment</li></ul>

### Construction

Completed this Month	<b>Segment 1 – River Road / Highway 17 Interchange</b> <ul style="list-style-type: none"><li>Construction activities have not commenced.</li></ul> <b>Segment 2 – Highway 91C / Highway 17 Interchange</b> <ul style="list-style-type: none"><li>Construction activities have not commenced.</li></ul>
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	<p><b>Segment 3 – Highway 91C / Weigh Scale Interchange</b></p> <ul style="list-style-type: none"> <li>• Project office site at 8100 Nordel to be finished and ready by January 31, 2020.</li> </ul> <p><b>Segment 4 – Nordel Way / Highway 91 Interchange</b></p> <ul style="list-style-type: none"> <li>• Construction activities have not commenced</li> </ul>
<b>Key Activities for Next 3 months</b>	<p><b>Segment 1 – River Road / Highway 17 Interchange</b></p> <ul style="list-style-type: none"> <li>• Clearing and grubbing work in advance of preload placement</li> <li>• Ongoing geotechnical drilling</li> </ul> <p><b>Segment 2 – Highway 91C / Highway 17 Interchange</b></p> <ul style="list-style-type: none"> <li>• Ongoing geotechnical drilling</li> </ul> <p><b>Segment 3 – Highway 91C / Weigh Scale Interchange</b></p> <ul style="list-style-type: none"> <li>• Establish site accommodation/offices.</li> <li>• Ongoing geotechnical drilling</li> </ul> <p><b>Segment 4 – Nordel Way / Highway 91 Interchange</b></p> <ul style="list-style-type: none"> <li>• Ongoing geotechnical drilling</li> </ul>

## Traffic Management

<b>Completed this Month</b>	<ul style="list-style-type: none"> <li>• Construction activities have not commenced</li> </ul>
<b>Key Activities for Next 3 months</b>	<ul style="list-style-type: none"> <li>• Shoulder closures in support of geotechnical drilling program</li> </ul>

## Quality

<b>Completed this Month</b>	<ul style="list-style-type: none"> <li>• Review and comment on Design-Builder’s Quality Management Plans.</li> </ul>
<b>Key Activities for Next 3 months</b>	<ul style="list-style-type: none"> <li>• Ongoing review of Quality Management process</li> <li>• Periodic quality audits of Quality Management process as required</li> </ul>

## 6. Milestone Achieved Date

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

Activity	Target Date	Actual Date
<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 Looking South. Taken Jan 31, 2020



River Road Looking at Preload. Taken Jan 31, 2020



96<sup>th</sup> Looking South. Taken Jan 31, 2020



Project Site Office. Taken Jan 31, 2020



Sunbury intersection Looking East. Taken Jan 31, 2020



Hwy 17 Looking West. Taken Jan 31, 2020



## **8. Project Cost Report**

- To date, \$54.3 million has been spent on the Project
- The approved capital Project budget is \$260 million

Following the procurement process for the Design-Build Agreement, the project budget was increased from \$245 million to \$260 million to reflect a variety of factors, including current market conditions.