

# Monthly Status Report

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Reporting Period  
November 2021

SIP-TIC-PCO-RPT-00002 R0

# 1. Introduction

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## 1.1 Project Overview

The Steveston Interchange Project (the Project) is a component of the Highway 99 Tunnel Program and will be delivered in advance of the new immersed tunnel project.

The Project will address many of the safety, congestion, and mobility challenges at the interchange for all modes of travel, as follows:

- Upgrade the interchange to be consistent with modern design standards.
- Reduce vehicle queues for northbound off-ramp traffic and transit to Steveston.
- Improve mobility for east-west traffic on Steveston Highway.
- Improve transit operations at the interchange.
- Provide new cycling and pedestrian connections along Steveston Highway across Highway 99.

The Project will replace the existing two-lane overpass structure at Steveston Highway and Highway 99 with a new structure(s) that accommodates two eastbound lanes and three westbound lanes (including a left turn lane) and new pedestrian and cyclist infrastructure, as well as improved connections to and from the overpass.

The reference concept is a two-bridge replacement overpass that is designed to integrate with the new eight-lane immersed tube tunnel that will replace the existing George Massey Tunnel along Highway 99.

Additional information and updates about the Project can be found on the Highway 99 Tunnel Program website: <https://engage.gov.bc.ca/masseytunnel>.

## 1.2 Project Delivery

Transportation Investment Corporation, a Provincial Crown Corporation, is delivering and overseeing the Project on behalf of the Ministry of Transportation and Infrastructure and the BC Transportation Financing Authority. The estimated cost of the Project including planning, construction, and financing during construction is \$87.5 million.







A Design-Build (DB) procurement model will be used for the Project. The Project is currently in the procurement phase. The Request for Proposals (RFP) was issued to three shortlisted Proponents on September 22, 2021 and closes December 22, 2021. With a successful contract award, construction on the Project is anticipated to begin in 2022 and be completed in fall 2025.

## 1.3 Project Goals

- Support sustainability of Fraser River communities
- Facilitate increased share of sustainable modes of transportation
- Enhance regional goods movement and commerce
- Support a healthy environment

## 2. Project Update

### 2.1 Project Dashboard

		Objectives	Project Status	Comments
Project Delivery	Scope	Project delivered within approved scope.		<ul style="list-style-type: none"> <li>The Project includes replacing the existing interchange at Steveston Highway and Highway 99 with a wider overpass that accommodates three additional vehicle lanes (including a left turn lane) and new pedestrian and cyclist paths, as well as enhanced connections and transit improvements.</li> <li>The Project is within the approved scope and on track.</li> </ul>
	Schedule	Project delivered within approved schedule of interchange open in 2025.		<ul style="list-style-type: none"> <li>The Project is on schedule for the new interchange to be operational in fall 2025.</li> </ul>
	Budget	Project delivered within approved budget of \$87.5 million.		<ul style="list-style-type: none"> <li>Project spending for the month of November 2021 was \$0.3 million.</li> <li>Total Project spending to date is \$1.7 million; the Project is forecasted to be delivered within budget.</li> </ul>
	Safety	Ensure that Project work is performed safely, in compliance with all applicable safety regulations, and in accordance with government policy.		<ul style="list-style-type: none"> <li>Occupational Health and Safety (OH&amp;S) requirements for the Project are defined within the Project Management Plan and the draft Design-Build Agreement (DBA).</li> <li>Lost Time Injury Frequency Rate (LTIFR) for the Project remains at 0. No construction works have commenced.</li> </ul>
	Quality	Implement an effective Quality Management System.		<ul style="list-style-type: none"> <li>Quality management requirements for the Project are defined within the Project Management Plan and the Definitive DBA.</li> </ul>
	Environmental	Ensure Project work is performed in an environmentally responsible manner.		<ul style="list-style-type: none"> <li>An Environmental Assessment Certificate (EAC) was received in February 2017 as part of the original George Massey Tunnel Replacement Project.</li> <li>The Province is seeking an extension to the EAC, which is currently under review by the Environmental Assessment Office (EAO).</li> <li>Independent Environmental Monitor (IEM) onboarded.</li> <li>Heritage Conservation Act (HCA) Inspection Permit approval received.</li> </ul>

	Objectives	Project Status	Comments
			<ul style="list-style-type: none"> <li>Water Sustainability Act (WSA) Order for Change Approval on Section 11 Permit received.</li> </ul>
	<b>Design and Construction</b>	●	<ul style="list-style-type: none"> <li>Definitive DBA Schedule 4 - Design and Construction completed and issued to the Proponents, as part of RFP.</li> </ul>
	<b>Community Benefits</b>	●	<ul style="list-style-type: none"> <li>Apprenticeship, trainee, and equity employment targets included in the Definitive DBA with incentive payments for exceeding the targets.</li> </ul>
<b>Partners/Stakeholders</b>	<b>Indigenous Groups</b>	●	<ul style="list-style-type: none"> <li>The Project Team continues to consult and engage with the Identified Indigenous Groups (IIGs) on permitting, economic development opportunities, cultural awareness and recognition, and construction monitoring.</li> </ul>
	<b>Third Parties</b>	●	<ul style="list-style-type: none"> <li>The Project Team is working with the City of Richmond to finalize a Project-specific Municipal Agreement (MA).</li> </ul>
	<b>Public and Stakeholder Engagement</b>	●	<ul style="list-style-type: none"> <li>Feedback was received from key stakeholder groups, which has informed Project requirements for the Design-Builder.</li> <li>The Project Team is providing early information to community organizations, businesses, and residents in close proximity to the Project.</li> </ul>

Status	Description
●	Managing critical issues and negotiating resolution – action required immediately.
●	Managing some issues and negotiating resolution – action required in the near term.
●	Stay the course – no action required.

### 3. Project Documents and Achievements to Date

Project Delivery	Project Planning and Development	<ul style="list-style-type: none"> <li>• <a href="#">GMC Business Case (April 2021)</a></li> <li>• <a href="#">Cost Report (April 2021)</a></li> <li>• Project Management Plan (October 2021)</li> </ul>
	Procurement	<ul style="list-style-type: none"> <li>• <a href="#">GMC Relationship Review Process Description (April 2021)</a></li> <li>• <a href="#">Relationship Review Consultant Protocol (April 2021)</a></li> <li>• <a href="#">Request for Qualifications Issued (June 2021) and Closed (August 2021)</a></li> <li>• <a href="#">Request for Proposals Issued (September 2021)</a></li> </ul>
	Environmental	<ul style="list-style-type: none"> <li>• <a href="#">Environmental Assessment Certificate (EAC) (February 2017)</a></li> <li>• Agricultural Land Commission (ALC) Approval (October 2021)</li> <li>• <a href="#">Environmental Assessment Report – George Massey Tunnel Replacement Project Amendment #1 (October 2021)</a></li> <li>• <a href="#">George Massey Tunnel Replacement Project Certificate Amendment #1 (October 2021)</a></li> <li>• Fisheries and Oceans Canada (DFO) – Letter of Advice (October 2021)</li> <li>• Heritage Conservation Act (HCA) – Inspection Permit (November 2021)</li> <li>• Water Sustainability Act (WSA) – Order for Change Approval of Section 11 Permit (November 2021)</li> </ul>
	Design and Construction	<ul style="list-style-type: none"> <li>• Reference concept design developed (August 2021)</li> </ul>
	Community Benefits	<ul style="list-style-type: none"> <li>• Special Project Needs Agreement (SPNA) (June 2021)</li> </ul>
	Partners/ Stakeholders	Indigenous Groups
Third Parties		<ul style="list-style-type: none"> <li>• BC Hydro Protocol Agreement (December 2018)</li> </ul>
Public and Stakeholder Engagement		<ul style="list-style-type: none"> <li>• Presentations to various stakeholders (2021 – ongoing)</li> <li>• <a href="#">News Release – “Steveston Interchange procurement moving forward.” (September 2021)</a></li> </ul>

## 4. November Highlights and Three Month Lookahead

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### 4.1 Safety

<b>Scope:</b>	<ul style="list-style-type: none"><li>• Establish Occupational Health and Safety (OH&amp;S) Project delivery objectives and performance measures.</li><li>• Manage Project OH&amp;S activities.</li><li>• Monitor relevant OH&amp;S performance metrics.</li><li>• Ensure the Project complies with relevant WorkSafeBC regulations and government requirements.</li><li>• Identify specific health and safety roles and responsibilities.</li><li>• Outline relevant health and safety management processes and activities.</li></ul>
<b>Monthly Highlights:</b>	<ul style="list-style-type: none"><li>• Total number of incidents documented on the health and safety log for the month was 0. Lost Time Injury Frequency Rate (LTIFR) for the Project remains at 0, as construction on the project has not started.</li></ul>
<b>Three-Month Lookahead:</b>	<ul style="list-style-type: none"><li>• Identify Project Team resourcing needs for OH&amp;S oversight during construction and initiate hiring/procurement.</li><li>• Develop a Site-Specific Safety Plan.</li></ul>

### 4.2 Quality

<b>Scope:</b>	<ul style="list-style-type: none"><li>• Establish quality management project objectives and performance measures.</li><li>• Oversee and monitor project quality management activities.</li><li>• Review and comment on the Design-Builder's Quality Management plans and system.</li><li>• Conduct surveillance audits of the Project work.</li><li>• Identify and implement continuous improvement initiatives.</li></ul>
<b>Monthly Highlights:</b>	<ul style="list-style-type: none"><li>• Initiated procurement process to obtain the services of a Quality Manager</li><li>• Prepared for the evaluation of the Quality Management section of the RFP Technical Submittals.</li></ul>
<b>Three-Month Lookahead:</b>	<ul style="list-style-type: none"><li>• Procure a Quality Manager to provide quality oversight services during design and construction.</li><li>• Develop a Quality Management Plan.</li></ul>

### 4.3 Environmental

<b>Scope:</b>	<ul style="list-style-type: none"> <li>• Manage follow-up and compliance actions required under the EAC.</li> <li>• Liaise with regulators and stakeholders on matters related to the EAC conditions and commitments made through the environmental assessment process.</li> <li>• Manage outstanding environmental permits and associated environmental studies, monitoring, and compliance processes.</li> </ul>
<b>Monthly Highlights:</b>	<ul style="list-style-type: none"> <li>• Heritage Conservation Act Inspection Permit received on November 10, 2021.</li> <li>• On-boarded the Independent Environmental Monitor on November 23, 2021.</li> <li>• Water Sustainability Act Order for Change Approval on Section 11 Permit received on November 29, 2021.</li> <li>• Prepared for the evaluation of the Environmental Management Strategy section of the RFP Technical Submittals.</li> </ul>
<b>Three-Month Lookahead:</b>	<ul style="list-style-type: none"> <li>• Complete draft of Construction Environmental Management Plan (CEMP), to be subsequently updated by the Design-Builder.</li> <li>• Preparation of notifications and submissions required under the EAC.</li> <li>• Plan for the collection of noise baseline data for future noise assessments.</li> <li>• Development of an archaeological workplan.</li> </ul>

### 4.4 Design and Construction

<b>Scope:</b>	<ul style="list-style-type: none"> <li>• Development of a reference concept, technical requirements/specifications, and related technical studies for the Project.</li> <li>• Provide technical advice to the Project Team on a broad range of Project issues, and inputs into the Definitive DBA.</li> <li>• Oversee compliance with the design and construction requirements of the Definitive DBA, including undertaking reviews and audits, on-site monitoring, and other engagement with the Design-Builder as needed.</li> </ul>
<b>Monthly Highlights:</b>	<ul style="list-style-type: none"> <li>• Completed DBA Schedule 4 - Design and Construction for inclusion in the Definitive DBA, as part of the RFP process.</li> <li>• Participated in technical Topic Meetings with the Proponents.</li> <li>• Provided responses to the Requests for Information (RFIs) received from the Proponents.</li> <li>• Prepared for evaluation of the Design and Construction section of the RFP Technical Submittals.</li> </ul>

<b>Three-Month Lookahead:</b>	<ul style="list-style-type: none"> <li>• Review of Proponents’ RFP technical submissions.</li> <li>• Complete updates, if required, to the Definitive DBA Schedule 4 – Design and Construction following the RFP process.</li> <li>• Initiate preparation activities for the Implementation Phase of the Project.</li> </ul>
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## 4.5 Indigenous Groups

<b>Scope:</b>	<ul style="list-style-type: none"> <li>• Consultation and engagement with the Identified Indigenous Groups (IIGs) on the reference concept, permitting, economic development opportunities, cultural awareness and recognition, and construction monitoring.</li> </ul>
<b>Monthly Highlights:</b>	<ul style="list-style-type: none"> <li>• In active discussions with IIGs on various capacity funding.</li> <li>• Continued engagement on Indigenous construction monitoring opportunities.</li> <li>• Prepared for Indigenous cultural recognition and awareness planning in consultation with IIGs.</li> <li>• Definitive DBA Schedule 12 – Indigenous Requirements was issued to the RFP Proponents.</li> <li>• Prepared for evaluation of the Indigenous Participation section of the RFP Technical Submittals.</li> </ul>
<b>Three-Month Lookahead:</b>	<ul style="list-style-type: none"> <li>• Finalize Capacity Funding Agreements for engagement and construction monitoring.</li> <li>• Conduct facilitated introductions between IIGs and RFP Proponents.</li> <li>• Continue engagement on Indigenous construction monitoring.</li> <li>• Development of the Indigenous Cultural Awareness and Recognition Plan, in consultation with IIGs.</li> </ul>

## 4.6 Third Parties

<b>Scope:</b>	<ul style="list-style-type: none"> <li>• Project-specific Municipal Agreement (MA) with the City of Richmond (the City).</li> <li>• Engagement with the City and TransLink on the Definitive DBA specifications, future construction impacts, stakeholder concerns, and other inputs to the Project.</li> </ul>
<b>Monthly Highlights:</b>	<ul style="list-style-type: none"> <li>• Continued engagement with the City to reach consensus on outstanding MA terms.</li> <li>• Agreement reached for the configuration of the City and TransLink’s future Bus Speed and Reliability Projects on and adjacent to the Project Lands.</li> </ul>



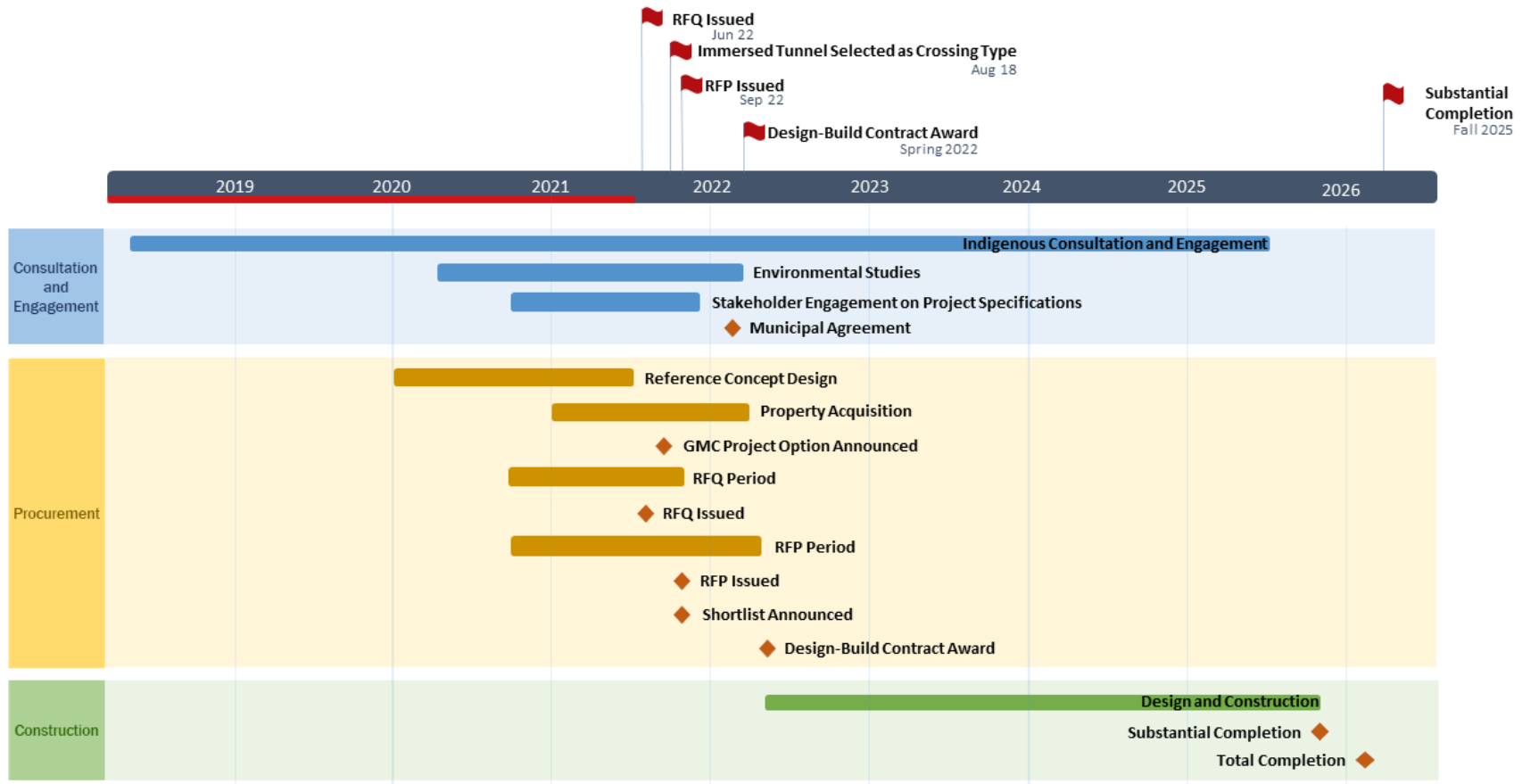
<b>Three-Month Lookahead:</b>	<ul style="list-style-type: none"> <li>• The City to complete internal legal review of the draft MA.</li> <li>• Execution of the MA through City Mayor and Council sign-off.</li> <li>• Complete engagement with TransLink on transit-related Project specifications.</li> </ul>
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### 4.7 Public and Stakeholder Engagement

<b>Scope:</b>	<ul style="list-style-type: none"> <li>• Manage ongoing public and stakeholder communications and engagement.</li> </ul>
<b>Monthly Highlights:</b>	<ul style="list-style-type: none"> <li>• Presented to adjacent residential building strata managers and business managers. Presented to adjacent residential building strata managers and business managers.</li> </ul>
<b>Three-Month Lookahead:</b>	<ul style="list-style-type: none"> <li>• Schedule additional meetings with strata councils.</li> <li>• Planning for communications activities in the pre-construction period.</li> </ul>

## 5. Schedule

The following schedule depicts deliverables, milestones and associated dates and timelines for the procurement phase of the Project, as well as anticipated construction timelines.

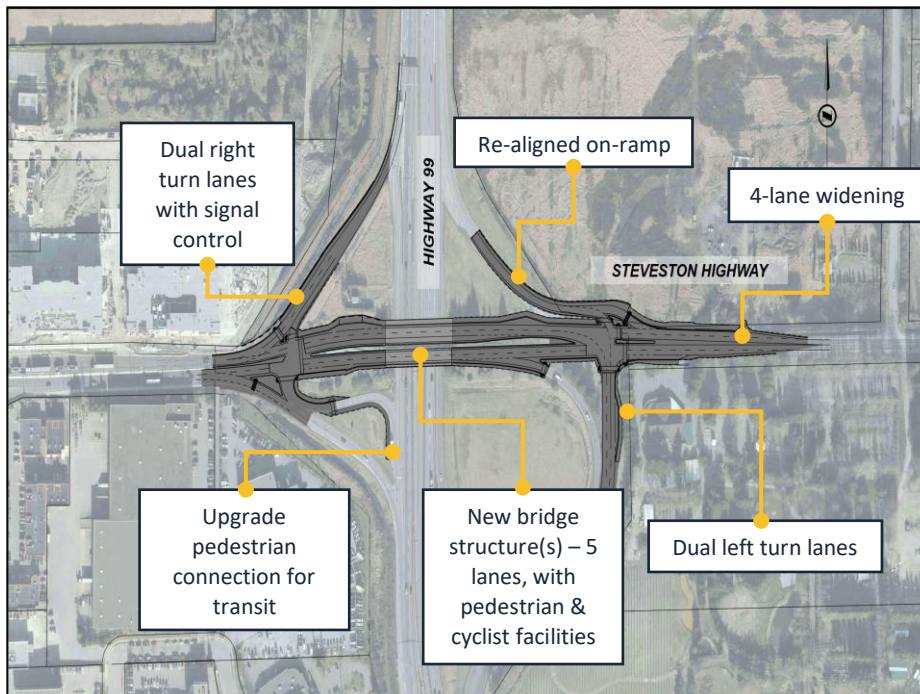


## 6. Project Photos

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**FIGURE 1 – AERIAL VIEW OF PRESENT-DAY STEVESTON INTERCHANGE**



**FIGURE 2 – STEVESTON INTERCHANGE PROJECT OVERVIEW**