

# Monthly Status Report

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Reporting Period  
December 2021

SIP-TIC-PCO-RPT-00001 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.

The Project follows a Design-Build (DB) procurement model. The Project is currently in the procurement phase. The Request for Proposals (RFP) was issued to three shortlisted Proponents on September 22, 2021 and closed on December 22, 2021. Evaluations of the RFP are currently underway. 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 December 2021 was \$0.3 million.</li> <li>• Total Project spending to date is \$2.0 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 Definitive 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> </ul>

		Objectives	Project Status	Comments
	<b>Design and Construction</b>	Development of a reference concept, technical requirements/specifications, and related technical studies for the project and manage activities on-site.	●	<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>	Successfully implement the Special Project Needs Agreement (SPNA).	●	<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>	Continue to build and maintain positive collaborative working relationships with the Identified Indigenous Groups (IIGs).	●	<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>	Continue to build and maintain positive relationships and reach agreement on Project requirements with City of Richmond and owners of interfacing infrastructure.	●	<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>	Continue to build and maintain positive relationships with the community and other stakeholders.	●	<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> <li>• <a href="#">Definitive Design-Build Agreement Issued (December 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	<ul style="list-style-type: none"> <li>• Ongoing engagement and consultation.</li> </ul>
	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. December 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>• Continued the procurement process to obtain the services of a Quality Manager</li><li>• Initiated 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 and onboard a Quality Manager to provide quality oversight services during design and construction.</li><li>• Develop a Quality Management Plan for the construction phase of the project.</li></ul>

	<ul style="list-style-type: none"> <li>• Complete the review of the Quality Management section of the RFP Technical Submittals.</li> </ul>
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### 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>• Completed draft of Construction Environmental Management Plan (CEMP), to be subsequently updated by the Design-Builder.</li> <li>• Independent Environmental Monitor reviewed CEMP and other Project documentation.</li> <li>• Initiated evaluation of the Environmental Management Strategy section of the RFP Technical Submittals.</li> <li>• Began drafting an Addendum to the Definitive DBA Schedule 6 – Environmental Obligations.</li> </ul>
<b>Three-Month Lookahead:</b>	<ul style="list-style-type: none"> <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> <li>• Complete the evaluation of the Environmental Management Strategy section of the RFP Technical Submittals.</li> <li>• Issue the Addendum to the Definitive DBA Schedule 6 – Environmental Obligations to Proponents.</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>
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<b>Monthly Highlights:</b>	<ul style="list-style-type: none"> <li>• Drafted an Addendum to the Definitive DBA Schedule 4 - Design and Construction.</li> <li>• Provided responses to the Requests for Information (RFIs) received from the Proponents.</li> <li>• Initiated the 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>• Complete the evaluation of the Design and Construction section of the RFP Technical Submittals.</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> <li>• Issue the Addendum to the Definitive DBA Schedule 4 - Design and Construction to Proponents.</li> </ul>

## 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>• Initiated 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 opportunities and building monitoring capacity with interested IIGs.</li> <li>• Development and implementation of the Indigenous Cultural Awareness and Recognition Plan, in consultation with IIGs.</li> <li>• Complete the evaluation of the Indigenous Participation section of the RFP Technical Submittals.</li> </ul>



## 4.6 Third Parties

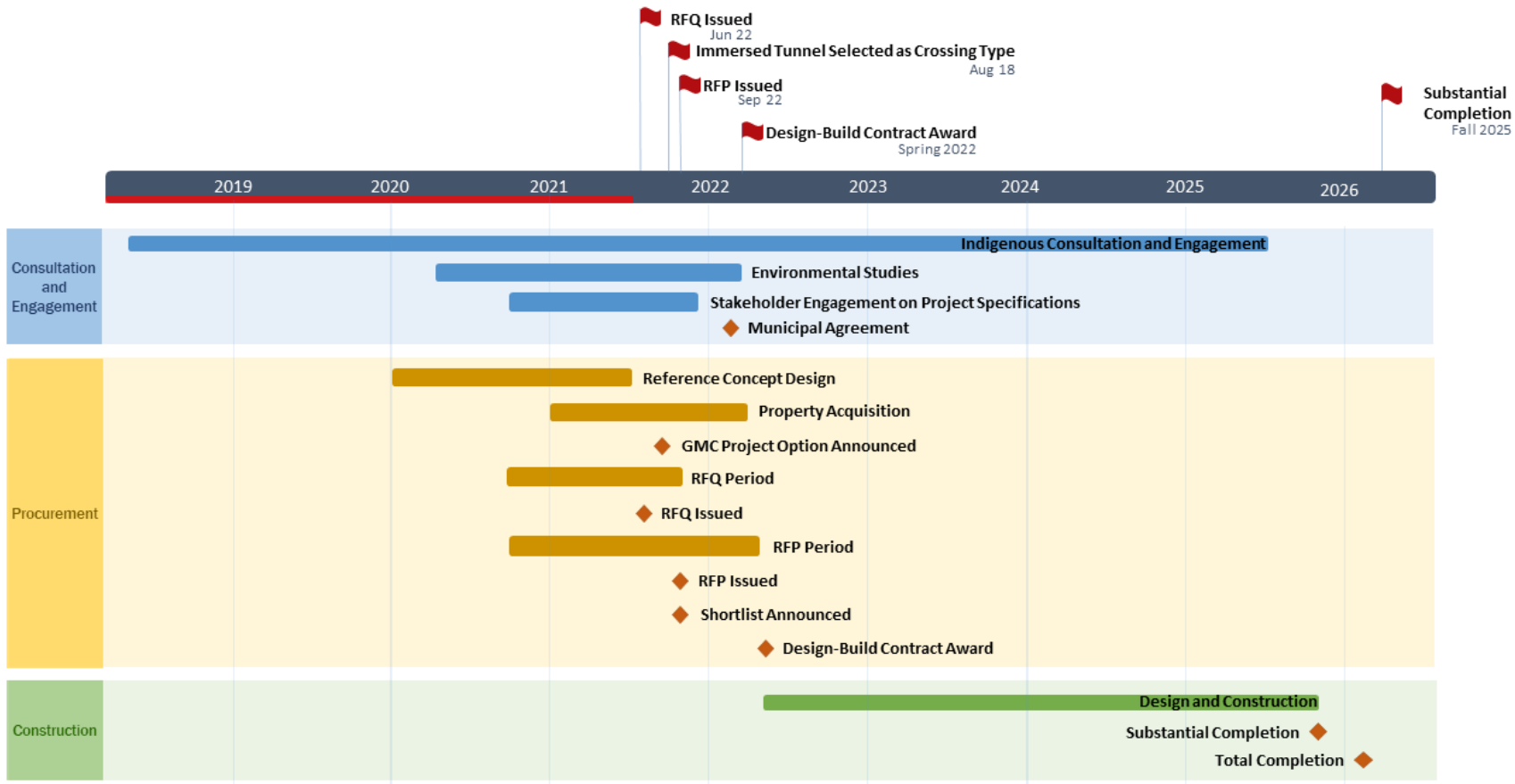
<b>Scope:</b>	<ul style="list-style-type: none"> <li>• Project-specific Municipal Agreement (MA) with the City of Richmond (the City).</li> <li>• Engagement with the City and TransLink on the Definitive DBA specifications, future construction impacts, stakeholder concerns, and other inputs to the Project.</li> </ul>
<b>Monthly Highlights:</b>	<ul style="list-style-type: none"> <li>• Reached consensus on the terms of the MA with City staff.</li> <li>• Drafted an Addendum to the Definitive DBA Schedule 8 – Lands.</li> </ul>
<b>Three-Month Lookahead:</b>	<ul style="list-style-type: none"> <li>• Execution of the MA through City Mayor and Council sign-off.</li> <li>• Complete engagement with TransLink on transit-related Project specifications.</li> <li>• Issue the Addendum to the Definitive DBA Schedule 8 – Lands to Proponents.</li> </ul>

## 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>• Prepared to meet with adjacent residential-building strata councils.</li> <li>• Initiated evaluation of the Communications and Engagement section of the RFP Technical Submittals.</li> <li>• Drafted an Addendum to the Definitive DBA Schedule 9 – Communications and Engagement.</li> </ul>
<b>Three-Month Lookahead:</b>	<ul style="list-style-type: none"> <li>• Preparing for meetings with various stakeholders.</li> <li>• Planning for communications activities in the pre-construction period.</li> <li>• Complete the evaluation of the Communications and Engagement section of the RFP Technical Submittals.</li> <li>• Issue the Addendum to the Definitive DBA Schedule 9 – Communications and Engagement to Proponents.</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.

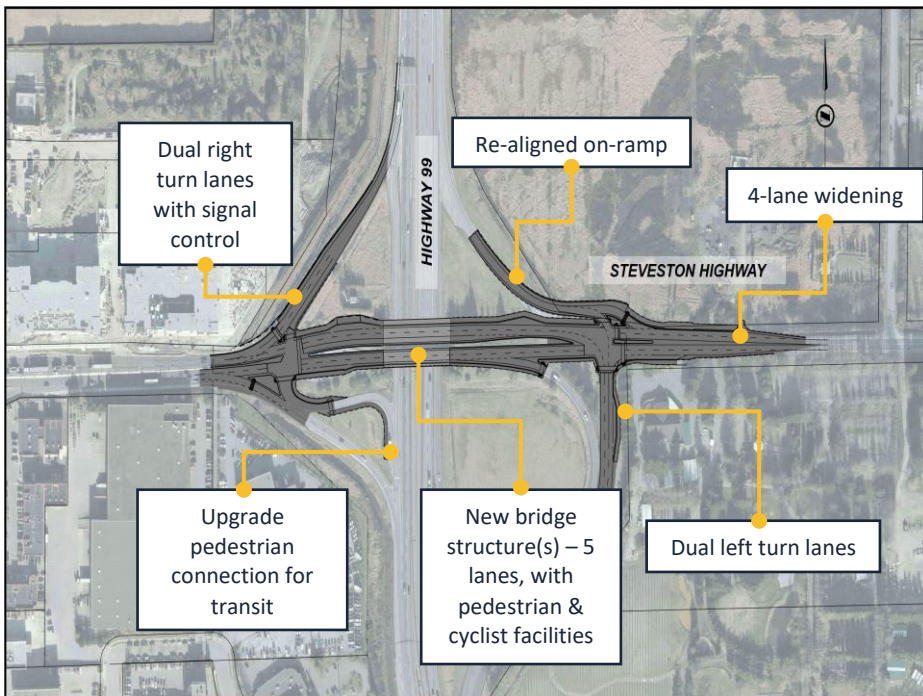


## 6. Project Photos

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



**FIGURE 2 – STEVESTON INTERCHANGE PROJECT OVERVIEW**