



transportation  
investment  
corporation

# Monthly Status Report

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**Reporting Period**  
**September 2021**

# 1. Introduction

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## 1.1 Project Overview

The Steveston Interchange Project (the “Project”) is a component of the George Massey Crossing Program and will be delivered in advance of the crossing works.

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 George Massey Crossing 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. With a successful contract award, construction on the Project is anticipated to begin in 2022 and be completed in fall 2025.







## 1.3 Project Benefits

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.

## 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>Project scope 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>Project Team is actively managing the Project within the approved scope.</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 Steveston 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 September 2021 was \$0.5 million.</li> <li>Total Project spending to date is \$1.1 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>Establish Occupational Health and Safety (OH&amp;S) requirements for the Project are defined within the Project Management Plan and the draft Design-Build Agreement.</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 draft Design-Build Agreement.</li> </ul>
	Environment	Ensure Project work is performed in an environmentally responsible manner.		<ul style="list-style-type: none"> <li>The Project received an Environmental Assessment Certificate (EAC) in February 2017 as part of the original George Massey Tunnel Replacement Project.</li> <li>The Project is seeking an amendment and extension to the EAC, applications for which are currently under review by the Environmental Assessment Office (EAO).</li> <li>Agricultural Land Commission (ALC) approval received.</li> </ul>

	<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>Reference concept design completed.</li> <li>Draft of Design-Build Agreement (DBA) Schedule 4 - Design and Construction completed and issued to 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 and training and equity employment targets included in the draft DBA with incentive payments for exceeding the targets.</li> </ul>
Partners/Stakeholders	<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>Project Team continues to consult and engage with the Identified Indigenous Groups (IIGs) on the reference concept, permitting, economic development opportunities, construction monitoring, and Indigenous Art and Cultural Recognition.</li> <li>Development of DBA Schedule 12 – Indigenous Requirements underway.</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>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>The Project Team has received feedback 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> <li></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 Timeline	<b>Project Planning and Development</b>	<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>

	<b>Procurement</b>	<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>
	<b>Environment</b>	<ul style="list-style-type: none"> <li>• <a href="#">Environmental Assessment Certificate (EAC) (February 2017)</a></li> <li>• <a href="#">Agricultural Land Commission (ALC) Approval (October 2021)</a></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> </ul>
	<b>Design and Construction</b>	<ul style="list-style-type: none"> <li>• Reference concept design developed (August 2021)</li> </ul>
	<b>Community Benefits</b>	<ul style="list-style-type: none"> <li>• Special Project Needs Agreement (SPNA) (June 2021)</li> </ul>
<b>Partners/ Stakeholders</b>	<b>Indigenous Groups</b>	<ul style="list-style-type: none"> <li>• Ongoing engagement and consultation.</li> </ul>
	<b>Third Parties</b>	<ul style="list-style-type: none"> <li>• BC Hydro Protocol Agreement (December 2018)</li> </ul>
	<b>Public and Stakeholder Engagement</b>	<ul style="list-style-type: none"> <li>• Presentations to various stakeholders (2021 – ongoing)</li> </ul>

## 4. September 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>• Established Project OH&amp;S deliverables for monthly reporting.</li><li>• Developed OH&amp;S Project requirements summary for the All-Proponents Meeting.</li><li>• Reviewed Project Personal Protective Equipment requirements for site visits.</li><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>• Continue to monitor relevant OH&amp;S requirements during the early Project stages.</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 Steveston Interchange Project work.</li><li>• Identify and implement continuous improvement initiatives.</li></ul>
<b>Monthly Highlights:</b>	<ul style="list-style-type: none"><li>• Draft of Design-Build Agreement Schedule 7 – Quality was completed to support the RFP.</li></ul>
<b>Three-Month Lookahead:</b>	<ul style="list-style-type: none"><li>• Retain the services of a Quality Manager to support the Project.</li></ul>

### 4.3 Environmental

<b>Scope:</b>	<ul style="list-style-type: none"> <li>• Manage follow-up and compliance actions required under the Environmental Assessment Certificate (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>• Agricultural Land Commission (ALC) approval was received on October 5, 2021.</li> <li>• Independent Environmental Monitor (IEM) evaluation was completed on October 8, 2021. Environmental Assessment Office (EAO) and IIGs notified of selected IEM, as required in the EAC.</li> </ul>
<b>Three-Month Lookahead:</b>	<ul style="list-style-type: none"> <li>• Expected approvals for Fisheries and Oceans Canada (DFO) Request for Review, Water Sustainability Act (WSA) Section 11 permit amendment and Heritage Conservation Act Permit applications.</li> <li>• On-boarding of IEM to take place in November 2021.</li> <li>• Complete draft of Construction Environmental Management Plan (CEMP) for Corridor Improvement Projects for hand-off to the Design-Builder.</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 input to the Project Team during the procurement phase.</li> <li>• Conduct compliance reviews during design and construction.</li> </ul>
<b>Monthly Highlights:</b>	<ul style="list-style-type: none"> <li>• Reference concept design completed.</li> <li>• Draft of Design-Build Agreement Schedule 4 - Design and Construction completed to support RFP.</li> </ul>
<b>Three-Month Lookahead:</b>	<ul style="list-style-type: none"> <li>• Completion of the Definitive Design-Build Agreement Schedule 4 – Design and Construction in support of the RFP.</li> <li>• Review of Proponents technical submissions.</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, and construction monitoring.</li></ul>
<b>Monthly Highlights:</b>	<ul style="list-style-type: none"><li>• In active discussions with IIGs on the proposed Indigenous employment and contracting opportunities and capacity funding.</li><li>• Continued engagement on permitting amendments (i.e., EAC and WSA).</li><li>• Engagement on Indigenous construction monitoring is underway.</li></ul>
<b>Three-Month Lookahead:</b>	<ul style="list-style-type: none"><li>• Finalize Capacity Funding Agreements for engagement.</li><li>• Conclude engagement on permitting and economic development (employment, training, and contracting requirements and opportunities).</li><li>• Continue engagement on Indigenous construction monitoring.</li></ul>

## 4.6 Third Parties

<b>Scope:</b>	<ul style="list-style-type: none"><li>• Municipal Agreement with the City of Richmond.</li></ul>
<b>Monthly Highlights:</b>	<ul style="list-style-type: none"><li>• Municipal Agreement (MA) with the City of Richmond has been drafted and is in the final stages of legal review by the Ministry of Attorney General.</li><li>• Continued engagement with the City of Richmond to reach consensus on the MA terms.</li></ul>
<b>Three-Month Lookahead:</b>	<ul style="list-style-type: none"><li>• City of Richmond and the Project Team to finalize MA through coordinated legal reviews.</li><li>• Execution of the MA is anticipated for November 2021.</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>• Carried out public and stakeholder engagement in advance of the Contract Award.</li></ul>

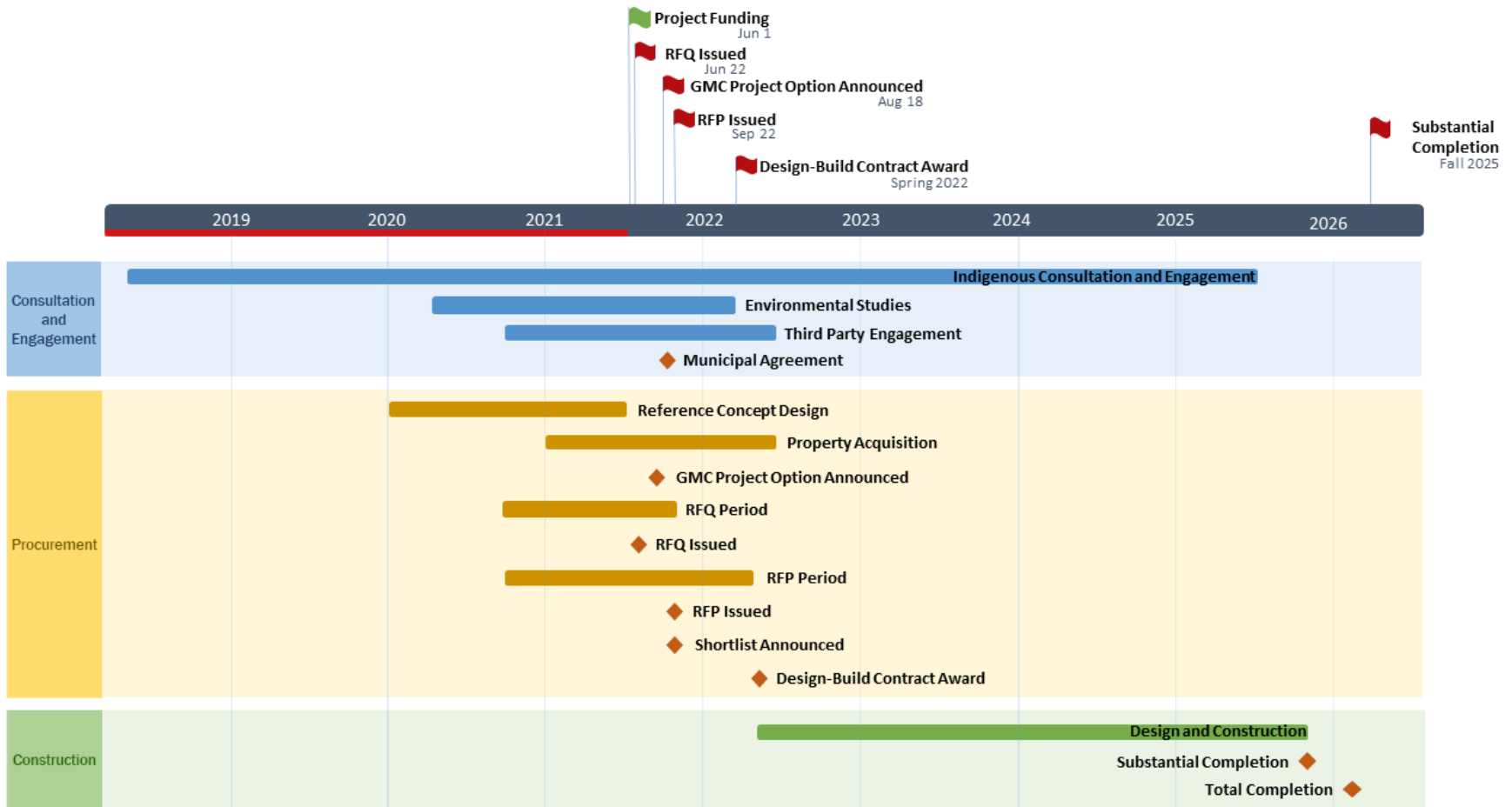


**Three-Month  
Lookahead:**

- Planning for communications activities in the pre-construction period.

## 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



FIGURE 1 – AERIAL VIEW OF PRESENT-DAY STEVESTON INTERCHANGE

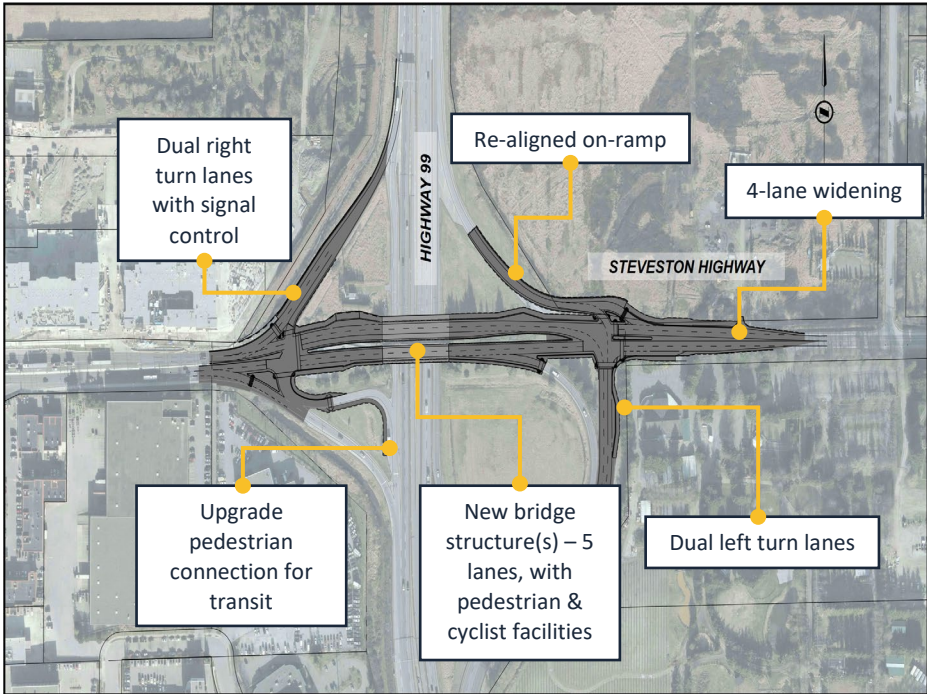


FIGURE 2 – STEVESTON INTERCHANGE PROJECT OVERVIEW