

Monthly Status Report

Reporting Period
October 2021

SIP-TIC-PCO-RPT-00002 R0

1. Introduction

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 crossing works.

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 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 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"> 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. The Project is within the approved scope and on track.
	Schedule	Project delivered within approved schedule of interchange open in 2025.	●	<ul style="list-style-type: none"> The Project is on schedule for the new interchange to be operational in fall 2025.
	Budget	Project delivered within approved budget of \$87.5 million.	●	<ul style="list-style-type: none"> Project spending for the month of October 2021 was \$0.3 million. Total Project spending to date is \$1.4 million; the Project is forecasted to be delivered within budget.
	Safety	Ensure that Project work is preformed safely, in compliance with all applicable safety regulations, and in accordance with government policy.	●	<ul style="list-style-type: none"> Occupational Health and Safety (OH&S) requirements for the Project are defined within the Project Management Plan and the draft Design-Build Agreement (DBA). Lost Time Injury Frequency Rate (LTIFR) for the Project remains at 0. No construction works have commenced.
	Quality	Implement an effective Quality Management System.	●	<ul style="list-style-type: none"> Quality management requirements for the Project are defined within the Project Management Plan and the draft DBA.
	Environmental	Ensure Project work is performed in an environmentally responsible manner.	●	<ul style="list-style-type: none"> An Environmental Assessment Certificate (EAC) was received in February 2017 as part of the original George Massey Tunnel Replacement Project. The Project is seeking an extension to the EAC, which is currently under review by the Environmental Assessment Office (EAO). An amendment to the EAC was approved in October 2021.

		Objectives	Project Status	Comments
	Design and Construction	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"> Reference concept design completed. DBA Schedule 4 - Design and Construction completed and issued to the Proponents, as part of RFP.
	Community Benefits	Successfully implement the Special Project Needs Agreement (SPNA).	●	<ul style="list-style-type: none"> Apprenticeship, trainee, and equity employment targets included in the draft DBA with incentive payments for exceeding the targets.
Partners/Stakeholders	Indigenous Groups	Continue to build and maintain positive collaborative working relationships with the Identified Indigenous Groups (IIGs).	●	<ul style="list-style-type: none"> The Project Team continues to consult and engage with the Identified Indigenous Groups (IIGs) on the reference concept, permitting, economic development opportunities, and construction monitoring. Development of DBA Schedule 12 – Indigenous Requirements underway.
	Third Parties	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"> The Project Team is working with the City of Richmond to finalize a Project-specific Municipal Agreement (MA). Preparation for presentation to the City of Richmond Mayor and Council on November 1, 2021, in conjunction with the Highway 99 Tunnel Program.
	Public and Stakeholder Engagement	Continue to build and maintain positive relationships with the community and other stakeholders.	●	<ul style="list-style-type: none"> Feedback was received from key stakeholder groups, which has informed Project requirements for the Design-Builder. The Project Team is providing early information to community organizations, businesses, and residents in close proximity to the Project.

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

4. October Highlights and Three Month Lookahead

4.1 Safety

Scope:	<ul style="list-style-type: none">• Establish Occupational Health and Safety (OH&S) Project delivery objectives and performance measures.• Manage Project OH&S activities.• Monitor relevant OH&S performance metrics.• Ensure the Project complies with relevant WorkSafeBC regulations and government requirements.• Identify specific health and safety roles and responsibilities.• Outline relevant health and safety management processes and activities.
Monthly Highlights:	<ul style="list-style-type: none">• 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.
Three-Month Lookahead:	<ul style="list-style-type: none">• Identify Project Team resourcing needs for OH&S oversight during construction and initiate hiring/procurement.

4.2 Quality

Scope:	<ul style="list-style-type: none">• Establish quality management project objectives and performance measures.• Oversee and monitor project quality management activities.• Review and comment on the Design-Builder's Quality Management plans and system.• Conduct surveillance audits of the Project work.• Identify and implement continuous improvement initiatives.
Monthly Highlights:	<ul style="list-style-type: none">• Internal orientation held for the Project Team on the draft DBA quality requirements.
Three-Month Lookahead:	<ul style="list-style-type: none">• Update the draft DBA quality requirements as needed, for inclusion in the definitive DBA.• Identify Project Team resourcing needs for quality oversight during design and construction, and initiate hiring/procurement.

4.3 Environmental

Scope:	<ul style="list-style-type: none"> • Manage follow-up and compliance actions required under the EAC. • Liaise with regulators and stakeholders on matters related to the EAC conditions and commitments made through the environmental assessment process. • Manage outstanding environmental permits and associated environmental studies, monitoring, and compliance processes.
Monthly Highlights:	<ul style="list-style-type: none"> • Internal orientation held for the Project Team on the draft DBA environmental requirements. • Fisheries and Oceans Canada (DFO) Letter of Advice received on October 21, 2021. • Environmental Assessment Office (EAO) Amendment #1 received on October 28, 2021.
Three-Month Lookahead:	<ul style="list-style-type: none"> • Expected approval for the Water Sustainability Act (WSA) Section 11 permit. • Expected receipt of Heritage Conservation Act (HCA) Inspection Permit. • Expected approval of Independent Environmental Monitor (IEM) by the EAO, award of IEM contract, and onboarding of IEM. • Complete draft of Construction Environmental Management Plan (CEMP) for Corridor Improvement Projects, to be subsequently updated by the Design-Builder. • Update the draft DBA environmental requirements as needed, for inclusion in the definitive DBA.

4.4 Design and Construction

Scope:	<ul style="list-style-type: none"> • Development of a reference concept, technical requirements/specifications, and related technical studies for the Project. • Provide technical advice to the Project Team on a broad range of Project issues, and inputs into the DBA. • Oversee compliance with the design and construction requirements of the DBA, including undertaking reviews and audits, on-site monitoring, and other engagement with the Design-Builder as needed.
Monthly Highlights:	<ul style="list-style-type: none"> • Refinements to the draft DBA Schedule 4 - Design and Construction based on the Requests for Information received from the Proponents, as part of the RFP process.
Three-Month Lookahead:	<ul style="list-style-type: none"> • Participate in technical topic meetings with the Proponents, if requested.

	<ul style="list-style-type: none"> • Completion of the Definitive DBA Schedule 4 – Design and Construction in support of the RFP. • Review of Proponents’ RFP technical submissions.
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4.5 Indigenous Groups

Scope:	<ul style="list-style-type: none"> • Consultation and engagement with the Identified Indigenous Groups (IIGs) on the reference concept, permitting, economic development opportunities, and construction monitoring.
Monthly Highlights:	<ul style="list-style-type: none"> • In active discussions with IIGs on the proposed Indigenous employment and contracting opportunities and capacity funding. • Continued engagement on permitting amendments (i.e., EAC and WSA). • Engagement on Indigenous construction monitoring is underway. • Preparation for Indigenous cultural recognition and awareness planning in consultation with IIGs.
Three-Month Lookahead:	<ul style="list-style-type: none"> • Finalize Capacity Funding Agreements for engagement. • Conclude engagement on permitting and economic development (i.e., employment, training, and contracting requirements and opportunities). • Continue engagement on Indigenous construction monitoring. • Development of the Indigenous Cultural Awareness and Recognition Plan, in consultation with IIGs. • Issue the draft DBA Schedule 12 – Indigenous Requirements to the Proponents.

4.6 Third Parties

Scope:	<ul style="list-style-type: none"> • Project-specific Municipal Agreement (MA) with the City of Richmond (the City). • Engagement with the City and TransLink on the DBA specifications, future construction impacts, stakeholder concerns, and other inputs to the Project.
Monthly Highlights:	<ul style="list-style-type: none"> • Internal legal review of the draft MA terms. • Continued engagement with the City to reach consensus on outstanding MA terms. • Discussions with the City to evaluate alternative designs for the City and TransLink’s future Bus Speed and Reliability Projects on the Project.
Three-Month Lookahead:	<ul style="list-style-type: none"> • Update for City Council on the Highway 99 Tunnel Program, including the Steveston Interchange Project.

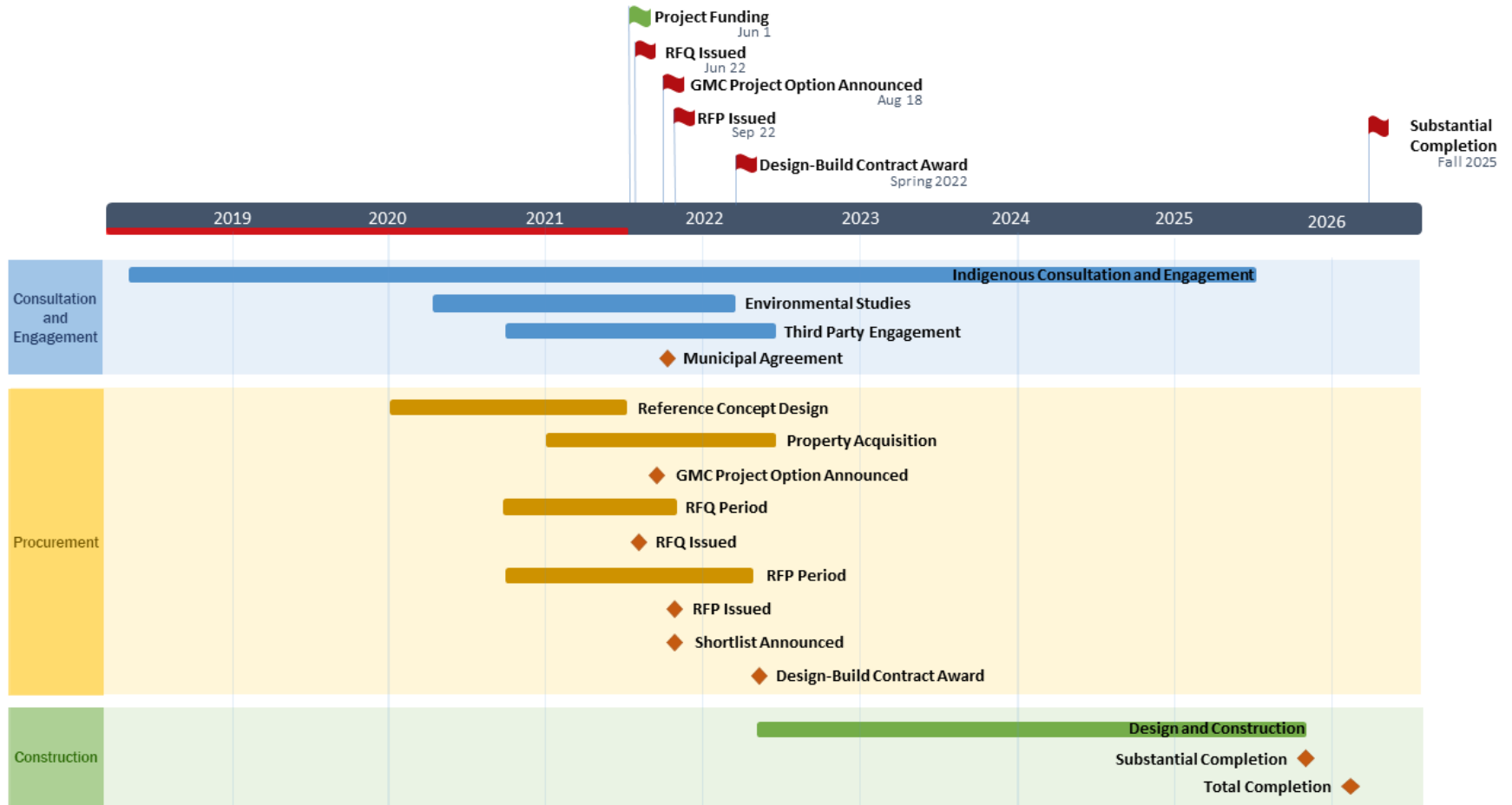
	<ul style="list-style-type: none"> • The City to complete internal legal review of the MA. • Execution of the MA. • Continued engagement on the City and TransLink’s future Bus Speed and Reliability Project located on and adjacent to Project lands.
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4.7 Public and Stakeholder Engagement

Scope:	<ul style="list-style-type: none"> • Manage ongoing public and stakeholder communications and engagement.
Monthly Highlights:	<ul style="list-style-type: none"> • Scheduled and prepared for presentations to adjacent residential building strata managers and business managers.
Three-Month Lookahead:	<ul style="list-style-type: none"> • 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

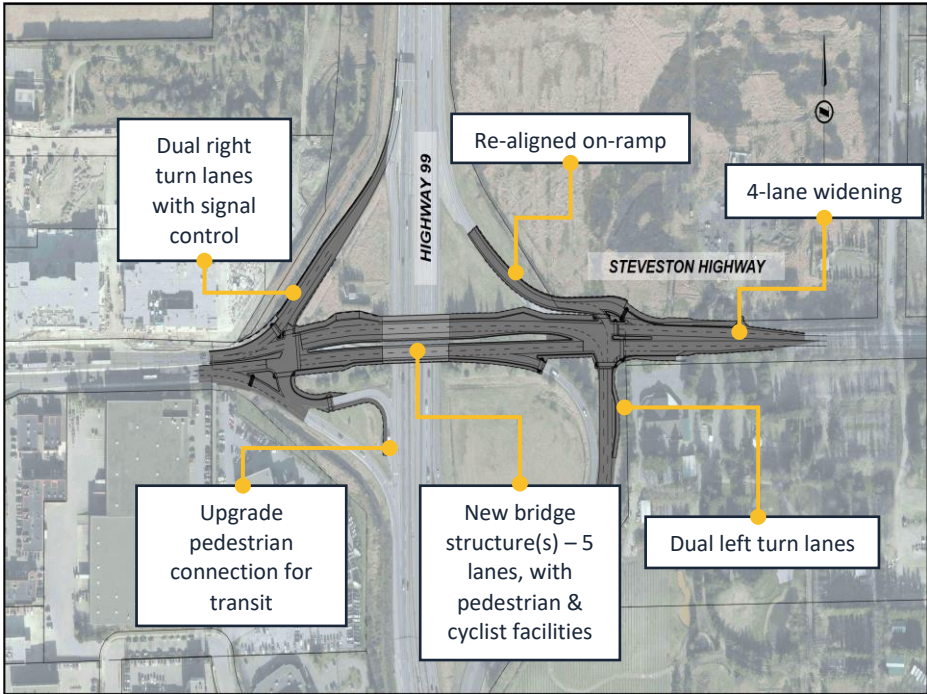


FIGURE 2 – STEVESTON INTERCHANGE PROJECT OVERVIEW