

Monthly Status Report

Reporting Period

February 2022

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 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) of five lanes 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. Evaluation of the Request for Proposals (RFP) Technical Submittals occurred through the month of January 2022 and Financial Submittals in February 2022. With a successful contract award in spring 2022, 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 replacement of the existing interchange at Steveston Highway and Highway 99 with a wider overpass to accommodate 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 February 2022 was \$0.2 million. Total Project spending to date is \$3.1 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 Definitive 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 Definitive DBA.
	Environmental	Ensure Project work is performed in an environmentally responsible manner.	●	<ul style="list-style-type: none"> The Environmental Assessment Certificate (EAC) for the original George Massey Tunnel Replacement Project, which included a new Steveston Interchange, expired on February 8, 2022. The Province will complete a new environmental assessment specific to the Fraser River Tunnel Project. While Steveston Interchange Project, as part of the Highway 99 Tunnel Program, has less environmental impact and does not require an EAC, the Province is committed to adhering to rigorous environmental

		Objectives	Project Status	Comments
				standards and applicable permits, licences, and approvals.
	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"> The Technical Team is currently focused on hiring additional resources, as well as updating technical management plans and associated tools to manage the design and construction scope during implementation.
	Community Benefits	Successfully implement the Special Project Needs Agreement (SPNA).	●	<ul style="list-style-type: none"> The Design-Builder and its sub-contractors will be required to carry out the project in accordance with the SPNA. Apprenticeship, trainee, and equity employment targets are included in the Definitive 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 permitting, economic development opportunities, cultural awareness and recognition, and construction monitoring.
	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).
	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) • Definitive Design-Build Agreement Issued (December 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) • Heritage Conservation Act (HCA) – Inspection Permit (November 2021) • Water Sustainability Act (WSA) – Order for Change Approval of Section 11 Permit (November 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. February 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.• Identified need for a Safety Advisor.
Three-Month Lookahead:	<ul style="list-style-type: none">• Initiate hiring of a Safety Advisor.• Develop a site-specific safety plan.• Submit Prime Contractor Letter to the Design-Builder.• Review the Design-Builder's Safety Program and plans.

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">• Evaluated the Quality Management RFP submissions to procure the services of a Quality Manager.
Three-Month Lookahead:	<ul style="list-style-type: none">• Procure and onboard a Quality Manager to provide quality oversight services during design and construction.

- Develop a Quality Management Plan for the Implementation Phase of the Project.

4.3 Environmental

Scope:	<ul style="list-style-type: none"> • Manage follow-up and compliance actions required under relevant environmental regulations and permits. • Liaise with regulators and stakeholders on matters related to the Project commitments made through the environmental assessment and public engagement processes. • Manage outstanding environmental permits and associated environmental studies, monitoring, and compliance processes.
Monthly Highlights:	<ul style="list-style-type: none"> • The Environmental Assessment Certificate (EAC) for the original George Massey Tunnel Replacement Project expired on February 8, 2022. The Province will complete a new environmental assessment specific to the Fraser River Tunnel Project. While Steveston Interchange Project, as part of the Highway 99 Tunnel Program, has less environmental impact and does not require an EAC, the Province is committed to adhering to rigorous environmental standards and applicable permits, licences, and approvals. • Transition Independent Environmental Monitor to the Ministry Environmental Monitor for the Project, as the EAC is no longer in effect. • Developed a draft Archaeological Workplan.
Three-Month Lookahead:	<ul style="list-style-type: none"> • Finalize the Archaeological Workplan. • Complete the Project’s Environmental Management Plan for the Implementation Phase of the Project.

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 Definitive 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"> • Initiated preparation activities for the Implementation Phase of the Project. • Initiated the hiring process for a Construction Manager. • Updated the Technical and Construction Management Plan for the Implementation Phase of the Project.
Three-Month Lookahead:	<ul style="list-style-type: none"> • Complete preparation activities for the Implementation Phase of the Project, including implementation of the design submittal management and tracking system. • Install cameras for Project Team’s monitoring of the Project Site. • Finalize a Technical and Construction Management Plan for the Implementation Phase of the Project.

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, cultural awareness and recognition, and construction monitoring.
Monthly Highlights:	<ul style="list-style-type: none"> • Continued discussions with IIGs on various agreements. • Continued engagement on Indigenous construction monitoring opportunities and building monitoring capabilities. • Ongoing meetings with IIGs to develop a scope for Indigenous Cultural Awareness and Recognition opportunities.
Three-Month Lookahead:	<ul style="list-style-type: none"> • Finalize agreements for engagement and construction monitoring with interested IIGs. • Continue engagement on Indigenous construction monitoring opportunities and building monitoring capacity with interested IIGs. • Develop and implement the Indigenous Cultural Awareness and Recognition Plan, in collaboration with interested IIGs. • Facilitate discussions between the Design-Builder and IIGs to inform development of the Indigenous Opportunities Plan (“IOP”). • Work with Design-Builder to ensure the IOP meets DBA requirements.

4.6 Third Parties

Scope:	<ul style="list-style-type: none"> • Project-specific Municipal Agreement (MA) with the City of Richmond (the City).
---------------	---

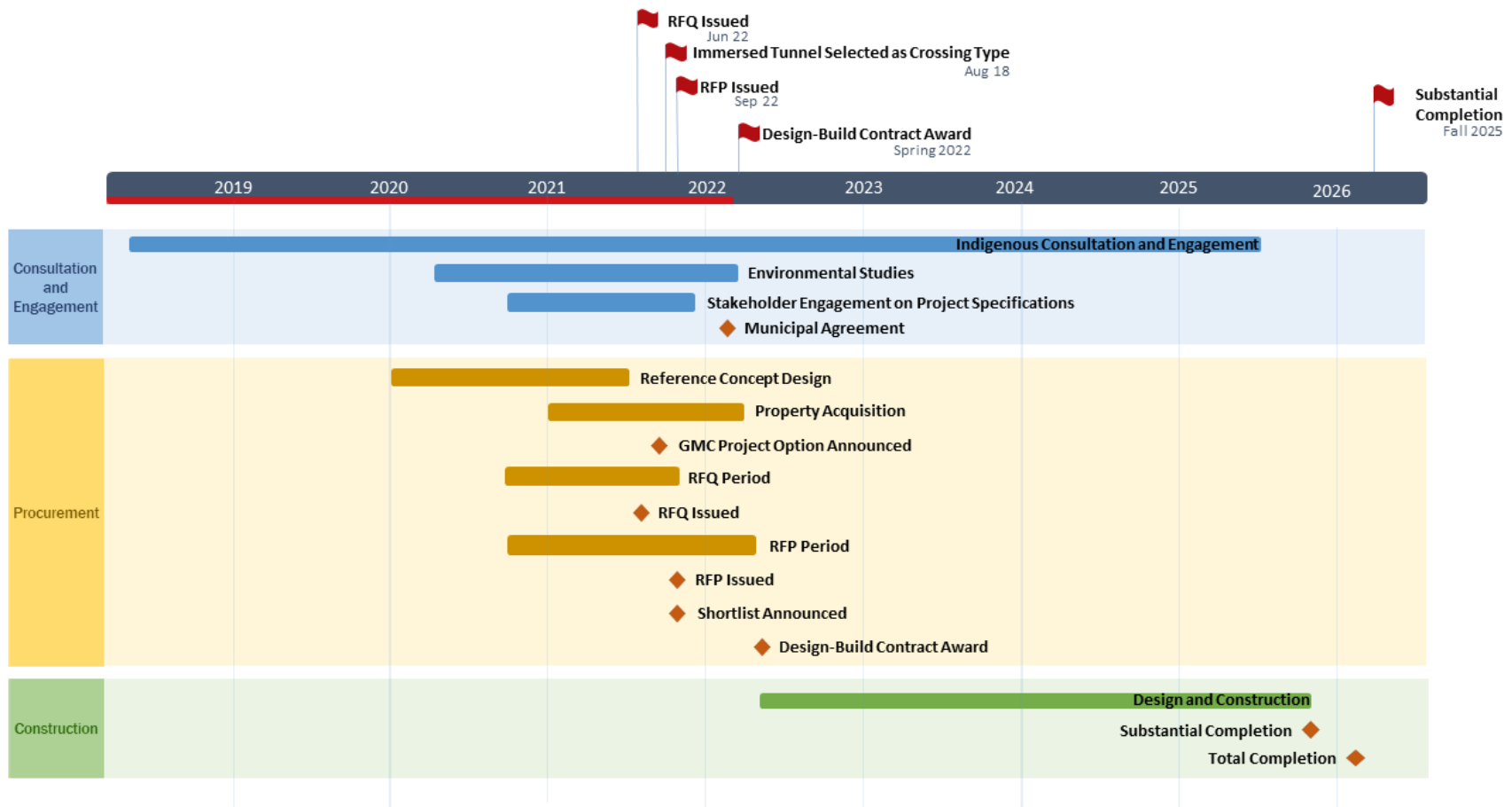
	<ul style="list-style-type: none"> Engagement with the City and TransLink on the future construction impacts, stakeholder concerns, and other inputs to the Project.
Monthly Highlights:	<ul style="list-style-type: none"> Continued engagement on the MA with the City. Continued regular meetings between the Project Team and City staff. Letter provided to TransLink confirming outcomes from engagement activities.
Three-Month Lookahead:	<ul style="list-style-type: none"> Execute the MA through City staff sign-off. Introductory meetings between the Preferred Proponent and third parties. Initiation of the Municipal Liaison Committee.

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"> Prepared materials for the public Preferred Proponent announcement. Prepared content for the Project website.
Three-Month Lookahead:	<ul style="list-style-type: none"> Announcement of the Preferred Proponent in March 2022. Receive and review the Communications and Engagement plans from the Preferred Proponent. Launch of Project website in spring 2022.

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

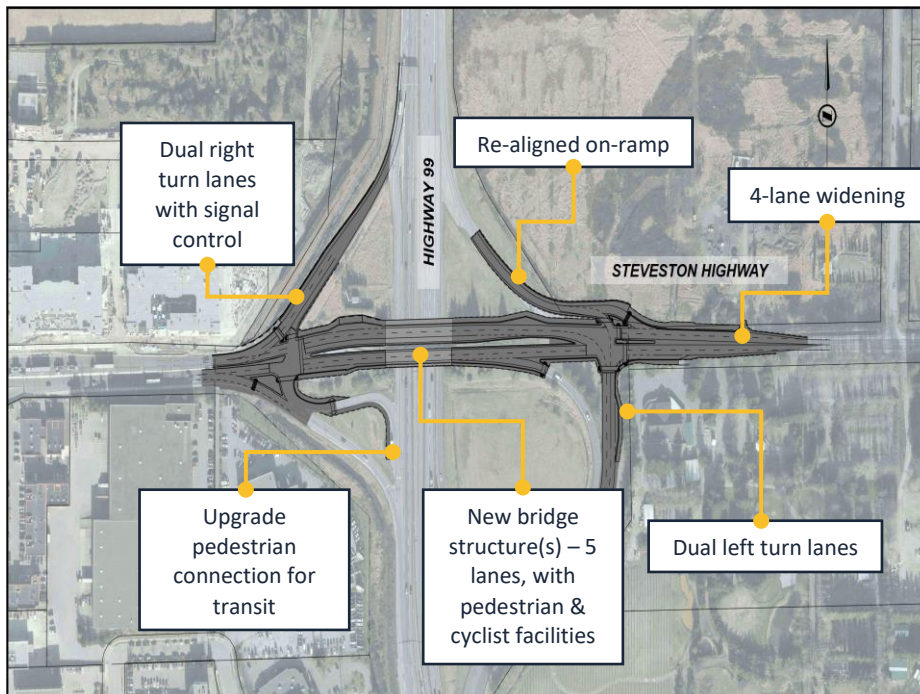


FIGURE 2 – STEVESTON INTERCHANGE PROJECT – DESIGN CONCEPT OVERVIEW