



transportation  
investment  
corporation

# Monthly Status Report

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Reporting Period: May 2020

# 1. Project Dashboard

		Objectives	Overall Project	DBF Contract	Owner/Other Works	Comments
Project Delivery	Scope	Meet the approved scope.				The Project includes the delivery of a primarily-tunneled extension to the existing Millennium Line SkyTrain system from VCC-Clark Station to a new station at Arbutus Street and is on track.
	Schedule	Delivered within the approved schedule.				The Project is on schedule to be completed with operations to commence in 2025.
	Budget	Delivered within the approved budget.				The Project has an approved capital budget of \$2.827 billion and continues to track on budget.
	Safety	Take every reasonable step to ensure that our work is performed safely and in compliance with all applicable safety regulations, and in accordance with government policy.				The Project Owner is defining health and safety requirements.
	Quality	Implement an effective Quality Management System.				The Project is establishing an effective Quality Management system.
	Environmental	Ensure our work is performed in an environmentally responsible manner.				The Project will be delivered in accordance with the obligations identified in the Environmental and Socioeconomic Review.
	Property Acquisition	Acquire and manage properties required to deliver the Project.				The Project is working to acquire properties to meet the construction schedule.
	Community Benefits	Work collaboratively with BCIB and successfully implement the Community Benefits Agreement.				Project Team working closely with BCIB through the procurement process.
Partners/Stakeholders	Indigenous Groups	Continue to build and maintain a positive collaborative working relationship.				Working with indigenous groups to confirm potential impacts to their Aboriginal interests in order to negotiate accommodation agreements.
	Third Parties	Continue to build and maintain positive relationships with Project Partners and other third parties.				Early and frequent engagement and advancing agreements with Project Partners and other third parties (TransLink, City of Vancouver).
	Public and Stakeholder Engagement	Continue to build and maintain positive relationships with the community and other stakeholders.				Community and stakeholder engagement commenced, along with ongoing enquiry response through email, phone and in-person at the Community Office.

Status	Description
	Not currently applicable, as the Project is in Procurement Phase
	Managing critical issues, negotiating resolution; action required immediately
	Managing some issues, negotiating resolution; action required in the near term
	On track

## 2. Introduction

### 2.1 Project Overview

The Broadway Subway Project (“BSP” or “the Project”) is a 5.7-kilometre, \$2.827 billion Advanced Light Rapid Transit (ALRT or SkyTrain) extension to the existing Millennium Line SkyTrain system from its current terminus at VCC-Clark Station to a new western terminus station at Arbutus Street and West Broadway. The Project scope includes:

- 700 m of elevated guideway extending west from the existing VCC-Clark Station
- 5 km of underground tunnel
- 6 new underground stations:
  - Great Northern Way Station;
  - Mount Pleasant Station;
  - Broadway-City Hall Station – designed to integrate with the Canada Line Broadway-City Hall Station;
  - Fairview – VGH Station;
  - South Granville Station;
  - Arbutus Station – designed to allow for a future phase of investment to connect rapid transit to UBC.

### 2.2 Project Goals

Based on the mandate and results of consultation to date, seven primary goals have been identified for the Project:

- **Transportation:** Fast, reliable, and efficient service that meets current and future capacity needs and integrates with the regional transit network and other modes of transportation.
- **Financial:** Affordable and cost-effective.
- **Environment:** Attracts new riders and reduces vehicle kilometres travelled.
- **Urban Development:** Supports current and future land use development along the Broadway Corridor and integrates with the surrounding neighbourhoods through high-quality urban design.
- **Economic Development:** Creates jobs and minimizes impacts on goods movement during operations.
- **Social and Community:** Safe, secure, and accessible service that improves access to rapid transit for all, while managing impacts on heritage and archaeology.
- **Deliverability:** Constructible and operable.

## 2.3 Key Milestones Achieved to Date

<b>Project Delivery</b>	<b>Project Planning and Development</b>	<ul style="list-style-type: none"> <li>• Business Case released (2018).</li> <li>• Cost Report released (2018).</li> <li>• Project Overview released (2018).</li> <li>• Risk Report released (2018).</li> <li>• Strategic Options Whitepaper released (2018).</li> </ul>
	<b>Procurement</b>	<ul style="list-style-type: none"> <li>• Procurement Options Identification Report (2018).</li> <li>• Relationship Review Process Description (2018).</li> <li>• Protocol for Consultants on Major Projects (2019).</li> <li>• Request for Qualification (RFQ) Issued (2019).</li> <li>• Request for Qualification (RFQ) Evaluated (2019).</li> <li>• Request for Qualification (RFQ) shortlist released (2019).</li> <li>• Request for Proposal (RFP) Issued (2019).</li> <li>• Draft Base Supply Contract – Automated Train Control System (2019).</li> <li>• Completed evaluation of RFP Technical Submissions (2020).</li> </ul>
	<b>Environmental</b>	<ul style="list-style-type: none"> <li>• Environmental technical studies complete (2017-2018).</li> <li>• Environmental Socio-Economic Report Complete (2020).</li> </ul>
	<b>Property Acquisition</b>	<ul style="list-style-type: none"> <li>• Property owner contact commenced (2019).</li> <li>• All appraisals complete for making initial Offers (2019).</li> <li>• Offers made to all owners (2020).</li> </ul>
	<b>Technical</b>	<ul style="list-style-type: none"> <li>• Geotechnical studies complete (2016-2017).</li> <li>• Reference Concept Design complete (2018).</li> <li>• Traffic modelling complete (2017-2019).</li> <li>• Geotechnical Subsurface Baseline Report complete (2019).</li> </ul>
	<b>Owner/Other Works</b>	<ul style="list-style-type: none"> <li>• BC Hydro – Tunnel Boring Machine Power (2019).</li> <li>• BC Hydro – Power Propulsion Station Power (2019).</li> <li>• TELUS – Utility Relocate at Main Street (2019).</li> <li>• TELUS/FortisBC/BC Hydro - Utility Relocates at Great Northern Way – Emily Carr (2019).</li> <li>• TELUS Civil Construction – Arbutus (2019) and Cambie (2020).</li> </ul>
	<b>Community Benefits</b>	<ul style="list-style-type: none"> <li>• Received BCIB Contractor and BCIB Sub-Contractor Agreements from BCIB for inclusion in the RFP (2019).</li> <li>• Received BSP Appendix to CBA (2019/2020).</li> </ul>

<b>Partners/ Stakeholders</b>	<b>Third Parties</b>	<ul style="list-style-type: none"> <li>• Memorandum of Understanding – City of Vancouver (2017).</li> <li>• Memorandum of Understanding – TransLink (2018).</li> <li>• Canada Line Amending Agreement – InTransit BC Phase 1 (2019).</li> <li>• Vancouver Municipal Agreement – City of Vancouver (2020).</li> <li>• Metro Vancouver Accommodation Agreement (2020).</li> </ul>
	<b>Indigenous Groups</b>	<ul style="list-style-type: none"> <li>• Capacity agreement for the ESR (2018).</li> <li>• Contracting and Employment requirements finalized (2020).</li> </ul>
	<b>Public and Stakeholder Engagement</b>	<ul style="list-style-type: none"> <li>• Phase 1 and 2 Engagement (led by TransLink and City of Vancouver) <ul style="list-style-type: none"> <li>○ Phase 1 Engagement (December 2016 – February 2017).</li> <li>○ Phase 2 Engagement (May 2017 – July 2017).</li> </ul> </li> <li>• Broadway Subway Project Engagement (Province-led) <ul style="list-style-type: none"> <li>○ Local business survey (July 2019 – December 2019).</li> <li>○ Community Engagement (October 2019 – December 2019).</li> <li>○ Opened Community Office (Fall 2019).</li> <li>○ Established 24/7 Construction Information Line (December 2019).</li> </ul> </li> <li>• Ongoing engagement with businesses, residents and key stakeholders.</li> </ul>

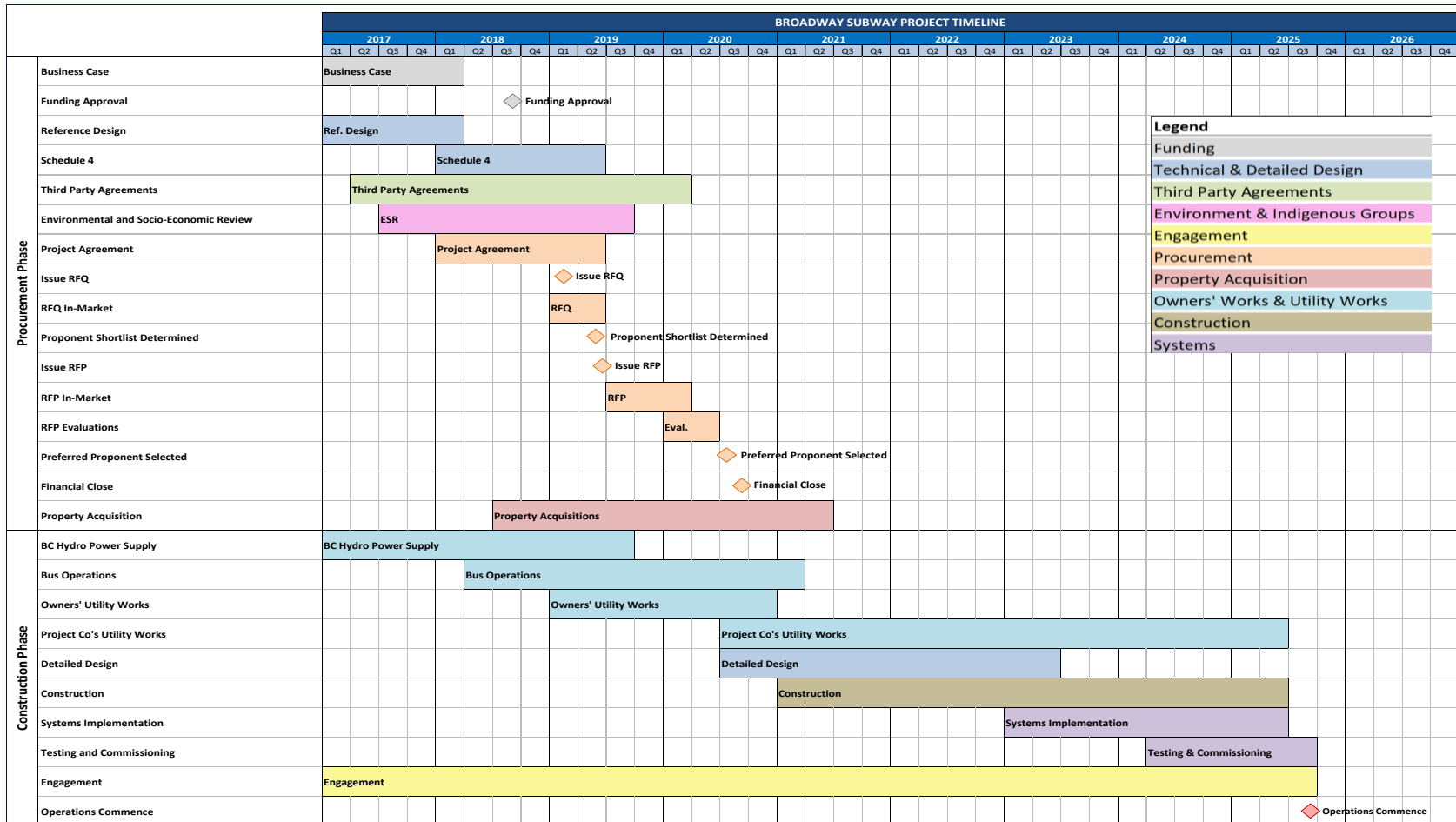
### 2.4 May Highlights

<b>Project Delivery</b>	<b>Project Management</b>	<ul style="list-style-type: none"> <li>• Project Management Plan and sub plans under development.</li> <li>• Updated overall project schedule.</li> <li>• Project team readiness program started.</li> <li>• Project Site hazard assessment undertaken.</li> </ul>
	<b>Procurement</b>	<ul style="list-style-type: none"> <li>• Held Topic Meetings with Proponents.</li> </ul>
	<b>Environmental</b>	<ul style="list-style-type: none"> <li>• Providing environmental support to the Indigenous consultation process.</li> <li>• Providing support to property acquisition.</li> </ul>
	<b>Property Acquisition</b>	<ul style="list-style-type: none"> <li>• Negotiations with impacted property owners underway (ongoing).</li> <li>• Acquisitions from commercial tenants 88% complete.</li> </ul>
	<b>Technical</b>	<ul style="list-style-type: none"> <li>• Responded to proponent technical inquiries.</li> <li>• Provided technical support to third party agreement development.</li> </ul>
	<b>Community Benefits</b>	<ul style="list-style-type: none"> <li>• No activities this month.</li> </ul>

	<b>Owner/Other Works</b>	<ul style="list-style-type: none"> <li>• TELUS installation of fibre optic cables in new infrastructure at Arbutus Street (70% complete).</li> <li>• Design and Construction of BC Hydro infrastructure at Arbutus Street is substantially complete.</li> <li>• Trolley overhead relocations (adjustments to routes 14, 16, and 17), to facilitate removal of overhead trolley wires on Broadway (95% complete).</li> </ul>
<b>Partners/Stakeholders</b>	<b>Third Parties</b>	<p><b><u>Broadway Subway Project Support Agreement</u></b></p> <ul style="list-style-type: none"> <li>• Ongoing development of the BSP Support Agreement with TransLink.</li> </ul> <p><b><u>Canada Line Amending Agreement</u></b></p> <ul style="list-style-type: none"> <li>• Ongoing development of the Canada Line Amending Agreement with InTransit BC - Phase 2.</li> </ul>
	<b>Indigenous Groups</b>	<ul style="list-style-type: none"> <li>• Continue to engage Tsleil-Waututh Nation, Musqueam Indian Band, and Squamish First Nation.</li> </ul>
	<b>Stakeholder Engagement</b>	<ul style="list-style-type: none"> <li>• Continued engagement with businesses, residents and stakeholders.</li> <li>• Continued Early Works construction communications.</li> <li>• The BSP Community Office remains closed temporarily due to Covid-19 Physical Distancing Policies.</li> </ul>

### 3. Schedule

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



## 4. Project Delivery

### 4.1 Project Management

<b>Scope:</b>	<ul style="list-style-type: none"><li>• Effectively manage Project's contracts, scope, schedule and cost.</li><li>• Implement an efficient document control and records management system.</li><li>• Ensure Project controls are governed by provincial policies such as the Ministry of Finance Capital Asset Management Framework and the Core Policy and Procedures Manual.</li></ul>
<b>Accomplished in Month:</b>	<ul style="list-style-type: none"><li>• Project Management Plan in development.</li><li>• Completion of draft management sub-plans.</li><li>• Complete update of project schedule.</li></ul>
<b>Key Activities for Next 3 Months:</b>	<ul style="list-style-type: none"><li>• Hold regular project control meetings with team.</li><li>• Monitor Project schedule, scope and budget.</li><li>• Complete Project Management Plan and sub-plans.</li></ul>

### 4.2 Safety

<b>Scope:</b>	<ul style="list-style-type: none"><li>• Establish health and safety project delivery objectives and performance measures.</li><li>• Manage Project health and safety activities.</li><li>• Monitor relevant health and safety 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>Accomplished in Month:</b>	<ul style="list-style-type: none"><li>• Continued development of the Project Health and Safety Management Plan.</li><li>• Continued development of the Project Hazard Assessment Plan.</li><li>• Project Health and Safety Audit underway.</li><li>• Continued development of the Community Office Health and Safety Plan.</li></ul>
<b>Key Activities for Next 3 Months:</b>	<ul style="list-style-type: none"><li>• Complete the development of the health and safety orientation training program.</li><li>• Complete Community Office Health and Safety Plan.</li><li>• Provide health and safety orientation to Project Team members.</li></ul>



### 4.3 Quality

<b>Scope:</b>	<ul style="list-style-type: none"><li>• Establish quality management project objectives and performance measures.</li><li>• Manage Project monitoring activities.</li><li>• Manage Project quality management activities.</li><li>• Monitor relevant quality management performance metrics.</li><li>• Identify specific quality management roles and responsibilities.</li><li>• Outline relevant quality management processes and activities.</li></ul>
<b>Accomplished in Month:</b>	<ul style="list-style-type: none"><li>• Continued to develop the Quality Management Plan.</li></ul>
<b>Key Activities for Next 3 Months:</b>	<ul style="list-style-type: none"><li>• Developing quality systems and processes for implementation phase.</li></ul>

### 4.4 Procurement

<b>Scope:</b>	<ul style="list-style-type: none"><li>• Develop a business case for Project.</li><li>• Prepare and issue Request for Qualifications (RFQ).</li><li>• Prepare and issue Request for Proposals (RFP).</li><li>• Prepare Project Agreement.</li><li>• Select Design-Build-Finance (DBF) Contractor.</li><li>• Base Supply Contract for Automatic Train Control (ATC).</li></ul>
<b>Accomplished in Month:</b>	<ul style="list-style-type: none"><li>• Held Topic Meetings with Proponents.</li><li>• Issued RFP Addenda.</li><li>• Completed Security Package Review.</li></ul>
<b>Key Activities for Next 3 Months:</b>	<ul style="list-style-type: none"><li>• Issue RFP Addenda.</li><li>• Conduct Topic Meetings.</li><li>• Evaluate Financial Submittals.</li><li>• Announce Preferred Proponent.</li></ul>

### 4.5 Environmental

<b>Scope:</b>	<ul style="list-style-type: none"><li>• Undertake Environmental and Socio-Economic Review (ESR).</li><li>• Determine environmental requirements for the Project.</li><li>• Engage indigenous groups on the ESR.</li></ul>
<b>Accomplished in Month:</b>	<ul style="list-style-type: none"><li>• Provided environmental support during procurement.</li></ul>

<b>Key Activities for Next 3 Months:</b>	<ul style="list-style-type: none"> <li>Review of Environmental submissions.</li> </ul>
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## 4.6 Property Acquisition

<b>Scope:</b>	<ul style="list-style-type: none"> <li>Acquire and manage properties required to deliver the Project.</li> </ul>
<b>Accomplished in Month:</b>	<ul style="list-style-type: none"> <li>Discussion with impacted property owners and tenants (ongoing).</li> <li>Acquisitions underway.</li> </ul>
<b>Key Activities for Next 3 Months:</b>	<ul style="list-style-type: none"> <li>Continue property discussions with private owners and tenants and make offers (ongoing).</li> </ul>

## 4.7 Technical

<b>Scope:</b>	<ul style="list-style-type: none"> <li>Develop a design concept, technical requirements/specifications and related technical studies for the Project.</li> <li>Conduct Project related traffic operations modelling, data collection, and other related engineering services.</li> <li>Provide technical input to the procurement processes.</li> <li>Conduct compliance reviews of work by the DBF Contractor.</li> </ul>
<b>Accomplished in Month:</b>	<ul style="list-style-type: none"> <li>Provided technical support to the procurement process.</li> <li>Responded to proponent technical inquiries.</li> </ul>
<b>Key Activities for Next 3 Months:</b>	<ul style="list-style-type: none"> <li>Respond to technical proponent enquiries.</li> <li>Provide technical support to the TransLink Support Agreement.</li> <li>Participate in topic meetings.</li> </ul>

## 4.8 Owner / Other Works

<b>Scope:</b>	<ul style="list-style-type: none"> <li>Define, procure, and implement early works projects.</li> </ul>
<b>Accomplished in Month:</b>	<ul style="list-style-type: none"> <li>TELUS fibre optic cable installation in new infrastructure at Arbutus Street (70% complete).</li> <li>Design and Construction of BC Hydro infrastructure at Arbutus Street is substantially complete.</li> </ul>

	<ul style="list-style-type: none"> <li>Relocation of existing services on Arbutus Street (50% complete).</li> <li>Continued bus/trolley relocations in advance of construction (95% complete).</li> </ul>
<b>Key Activities for Next 3 Months:</b>	<ul style="list-style-type: none"> <li>Continue civil construction for the relocation of existing BC Hydro infrastructure at Arbutus Street.</li> <li>Complete civil construction for the relocation of existing TELUS infrastructure at Arbutus Street.</li> <li>Complete fibre optic cable relocation in new TELUS infrastructure at Arbutus Street.</li> <li>Begin fibre optic cable relocation in new TELUS infrastructure at Cambie Street.</li> <li>Complete bus/trolley relocation works for Routes 14, 16 and 17.</li> </ul>

### 4.9 Community Benefits

<b>Scope:</b>	<ul style="list-style-type: none"> <li>Clarify Community Benefits Agreement requirements for Proponents in collaboration with BCIB.</li> </ul>
<b>Accomplished in Month:</b>	<ul style="list-style-type: none"> <li>No activities this month.</li> </ul>
<b>Key Activities for Next 3 Months:</b>	<ul style="list-style-type: none"> <li>Prepare for execution of BCIB – Contractor Agreement and BCIB Subcontractor Agreements(s) (Summer 2020).</li> </ul>

## 5. Partners/Stakeholders

### 5.1 Indigenous Groups

<b>Scope:</b>	<ul style="list-style-type: none"> <li>Consultation and engagement with Indigenous Groups on the Environmental and Socioeconomic Review, indigenous requirements of the Project, and benefit agreements.</li> </ul>
<b>Accomplished in Month:</b>	<ul style="list-style-type: none"> <li>Continued discussions with Indigenous Groups on benefit agreements.</li> </ul>
<b>Key Activities for Next 3 Months:</b>	<ul style="list-style-type: none"> <li>Consultation meetings, issues resolution and identification of Project-related opportunities for Indigenous Groups.</li> <li>Finalize benefit agreements.</li> </ul>

## 5.2 Third Parties

<b>Scope:</b>	<ul style="list-style-type: none"> <li>• Vancouver Municipal Agreement (VMA) with the City of Vancouver.</li> <li>• Broadway Subway Project Support Agreement with TransLink.</li> <li>• Agreement with InTransit BC (ITBC) for technical integration of Broadway-City Hall Station with existing Canada Line Cambie station.</li> <li>• Accommodation Agreement with Metro Vancouver.</li> </ul>
<b>Accomplished in Month:</b>	<ul style="list-style-type: none"> <li>• Discussions with TransLink on Broadway Subway Project Support Agreement ongoing.</li> <li>• Discussions with TransLink and ITBC on Broadway-City Hall integration ongoing.</li> </ul>
<b>Key Activities for Next 3 Months:</b>	<ul style="list-style-type: none"> <li>• Execute Broadway Subway Project TransLink Support Agreement.</li> <li>• Reach agreement with InTransit BC (ITBC) for technical integration of Broadway City-Hall Station with existing Canada Line Cambie station.</li> </ul>

## 5.3 Public and Stakeholder Engagement

<b>Scope:</b>	<ul style="list-style-type: none"> <li>• Manage ongoing public and stakeholder communications and community and business relations.</li> </ul>
<b>Accomplished in Month:</b>	<ul style="list-style-type: none"> <li>• Continued to engage with key stakeholders along the alignment.</li> <li>• Developed key construction mitigation supports including signage and maps.</li> <li>• Responded to phone enquiries to the Community Office and to the 24/7 construction information line.</li> <li>• Ongoing response to e-mail enquiries to project inbox.</li> <li>• Updated website and notified neighbours and stakeholders regarding early works utility relocation activities.</li> </ul>
<b>Key Activities for Next 3 Months:</b>	<ul style="list-style-type: none"> <li>• Meeting with Business Improvement Associations and businesses.</li> <li>• Communications to support notification of early construction works.</li> <li>• Ongoing response to e-mail, phone and in-person enquiries.</li> <li>• Ongoing meetings and correspondence with local businesses, residents and stakeholders.</li> </ul>

## 6. Project Cost Report

The approved project budget is \$2.827 billion. The project spending for the month of May 2020 was \$4.8 million, and the total spending to date is \$75.1 million. The project is forecast to be on budget.