



transportation  
investment  
corporation

# Monthly Status Report

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Reporting Period: December 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 has defined 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 and manage 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 and BSPC to implement the BCIB Contractor Agreement.
Partners/Stakeholders	Third Parties	Continue to build and maintain positive relationships with Project Partners and other third parties.	●	●	●	Engage third parties to ensure successful implementation of executed agreements.
	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 agreements.
	Public and Stakeholder Engagement	Continue to build and maintain positive relationships with the community and other stakeholders.	●	●	●	Managing ongoing public and stakeholder communications and community and business relations.

Status	Description
●	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 – Emily Carr Station;
  - Mount Pleasant Station;
  - Broadway – City Hall Station – designed to integrate with the Canada Line Broadway-City Hall Station;
  - Oak – 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> <li>• Completed evaluation of RFP Financial Submissions (2020).</li> <li>• Selected Preferred Proponent (2020).</li> <li>• Achieved Financial Close (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 and tenants (2020).</li> <li>• Agreements with all tenants in place (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 including upgrade to dedicated power at VCC Clarke (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 and Utility Relocate – Arbutus (2020) and Cambie (2020).</li> <li>• Trolley Overhead Relocations (CMBC) – Relocation of Bus Routes 14, 16, and 17 (2020).</li> <li>• BC Hydro – Utility Relocate at Arbutus (2020).</li> <li>• Fortis – Utility Relocate at Cambie (2020).</li> <li>• VED – Utility Relocate at South Granville and Arbutus (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> <li>Execution of the BCIB Contractor Agreement (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>South Granville Station Integration Agreement – PCI (2019).</li> <li>Vancouver Municipal Agreement – City of Vancouver (2020).</li> <li>Metro Vancouver Accommodation Agreement (2020).</li> <li>Broadway Subway Project Support Agreement – TransLink (2020).</li> <li>Canada Line Amending Agreement - InTransit BC Phase 2 (2020).</li> <li>Integration Agreement – TransLink (2020).</li> <li>Great Northern Way Station Integration Agreement – PCI (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>

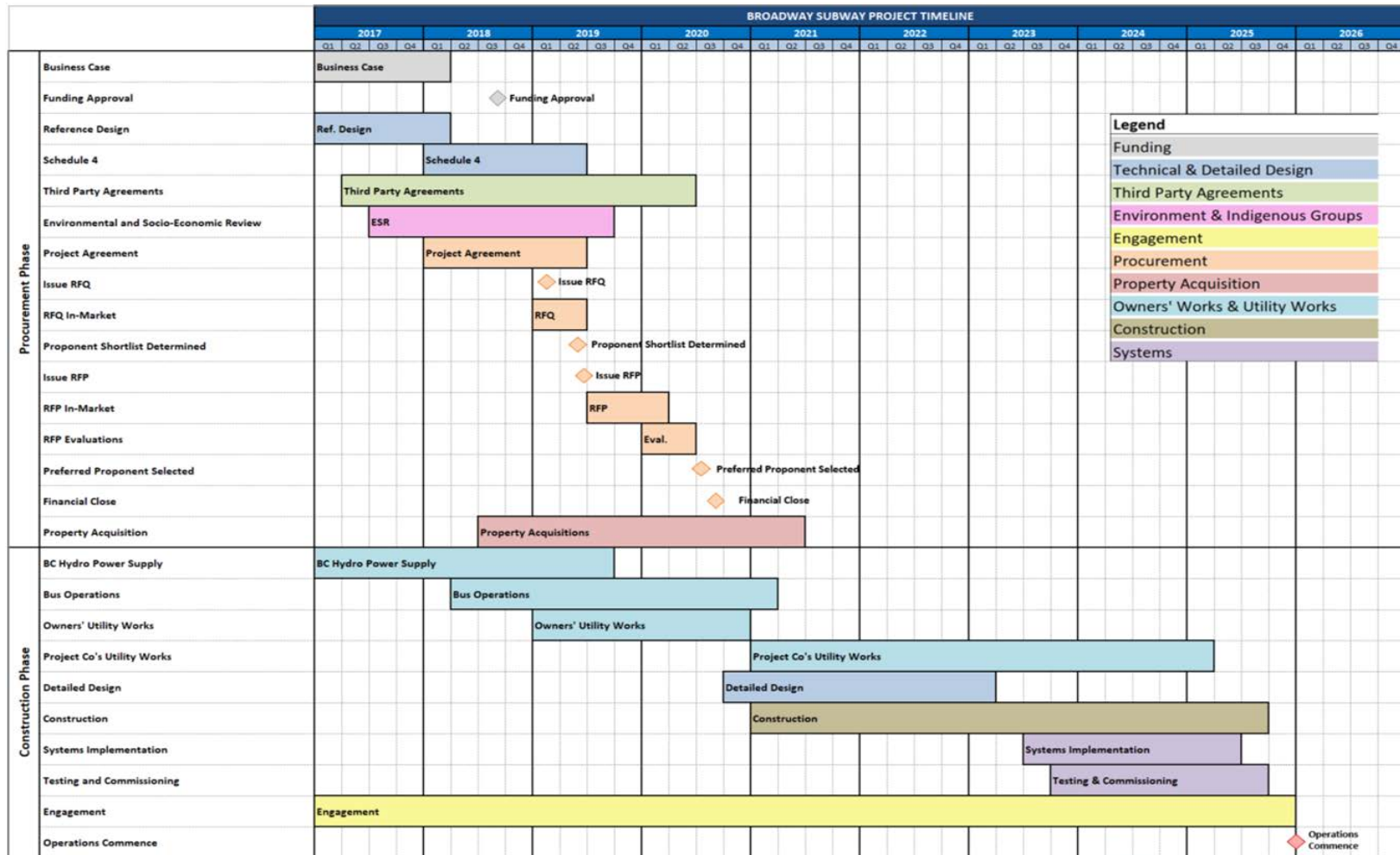
### 2.4 December Highlights

<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>Continued working groups with BSPC.</li> <li>Continued to facilitate meetings with BSPC and key third parties and utility owners.</li> </ul>
	<b>Procurement</b>	<ul style="list-style-type: none"> <li>Documents in development: <ul style="list-style-type: none"> <li>Project Report</li> <li>Redacted Project Agreement</li> </ul> </li> </ul>
	<b>Environmental</b>	<ul style="list-style-type: none"> <li>Continued review of environmental submittals.</li> <li>Engagement with BSPC’s environmental team.</li> </ul>

	<b>Property Acquisition</b>	<ul style="list-style-type: none"> <li>• Negotiations with impacted property owners ongoing.</li> <li>• Negotiations for additional lands nearing completion.</li> </ul>
	<b>Technical</b>	<ul style="list-style-type: none"> <li>• Review of BSPC technical submittals.</li> </ul>
	<b>Owner/Other Works</b>	<ul style="list-style-type: none"> <li>• VED relocations at South Granville and Arbutus complete.</li> <li>• 901 Great Northern Way Building Alterations continued.</li> </ul>
	<b>Community Benefits</b>	<ul style="list-style-type: none"> <li>• Regular weekly meetings among Project Team, BCIB and BSPC to support workforce planning.</li> <li>• Permits approved for abatement and demolition.</li> </ul>
<b>Partners/Stakeholders</b>	<b>Third Parties</b>	<ul style="list-style-type: none"> <li>• Continued to engage third parties to ensure successful implementation of executed agreements.</li> </ul>
	<b>Indigenous Groups</b>	<ul style="list-style-type: none"> <li>• Continued to engage Tsleil-Waututh Nation, Musqueam Indian Band, and Squamish First Nation.</li> </ul>
	<b>Public and Stakeholder Engagement</b>	<ul style="list-style-type: none"> <li>• Station Design Advisory Process (BSPC-led) first public engagement closed Dec. 9<sup>th</sup>, 2020.</li> <li>• Meetings with BSPC on communications, community and business relations.</li> <li>• Continued engagement with businesses, residents and stakeholders.</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>Updates to draft management sub-plans.</li> <li>Complete update of project schedule.</li> <li>Continued working groups with BSPC.</li> <li>Continued to facilitate meetings with BSPC and key third parties and utility owners.</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>Manage relevant project health and safety management systems.</li> <li>Oversee project goals, objectives and performance metrics.</li> <li>Identify and assign specific health and safety roles and responsibilities.</li> <li>Plan each project activity to ensure the safety of workers and the public.</li> <li>Coordinate health and safety activities with all relevant stakeholders.</li> <li>Measure health and safety performance.</li> <li>Ensure compliance with WorkSafeBC, Municipalities, and Government Agencies.</li> <li>Monitor management systems for continual improvements.</li> </ul>
<b>Accomplished in Month:</b>	<ul style="list-style-type: none"> <li>Continued planning, development, and review of the:             <ul style="list-style-type: none"> <li>Project Health and Safety Management Plan.</li> <li>Hazardous material survey and abatement plans.</li> <li>Site-Specific Demolition Health and Safety Plans.</li> </ul> </li> <li>Performed Project Site visits to observe compliance.</li> </ul>
<b>Key Activities for Next 3 Months:</b>	<ul style="list-style-type: none"> <li>Implement Project Health and Safety Plans.</li> <li>Monitor changes to COVID-19 requirements and revise associated plans.</li> <li>Provide health and safety support to the project team and stakeholders.</li> <li>Perform a project compliance audit.</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 review of BSPC’s quality documentation submitted for comment and acceptance.</li> <li>• Reviewed development and implementation of BSPC’s Nonconformity Report Tracking System.</li> </ul>
<b>Key Activities for Next 3 Months:</b>	<ul style="list-style-type: none"> <li>• Implement the Province’s Quality Management Plan, quality system processes, and quality audit program.</li> <li>• Continued review of BSPC’s quality documentation for comment and acceptance.</li> <li>• Establish regular quality meetings and communications with BSPC quality representatives.</li> <li>• Training on BSPC’s Nonconformity Report Tracking System.</li> <li>• Development of Quality Audit schedule and checklists.</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>• Preparing documents to post on public website:             <ul style="list-style-type: none"> <li>○ Project Report</li> <li>○ Redacted Project Agreement</li> </ul> </li> </ul>
<b>Key Activities for Next 3 Months:</b>	<ul style="list-style-type: none"> <li>• Post Project Report online.</li> <li>• Post Project Agreement online.</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>• Continued review of environmental submittals.</li> <li>• Received Indigenous Groups comments on the Construction Environmental Management Plan.</li> <li>• Provisionally accepted BSPC Construction Environmental Management Plan.</li> <li>• Provided environmental support to properties and construction management teams.</li> </ul>
<b>Key Activities for Next 3 Months:</b>	<ul style="list-style-type: none"> <li>• Review of Environmental submissions.</li> <li>• Engagement with BSPC environmental team during construction.</li> </ul>

## 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>• Manage BSPC's requests for additional lands.</li> <li>• Negotiations for additional lands nearing completion.</li> </ul>
<b>Key Activities for Next 3 Months:</b>	<ul style="list-style-type: none"> <li>• Continue to manage BSPC's requests for additional lands.</li> <li>• Continue to manage BSPC's requests for access to lands for subsurface investigations.</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>• Review of BSPC technical submittals.</li> </ul>

<b>Key Activities for Next 3 Months:</b>	<ul style="list-style-type: none"> <li>Review Submissions from BSPC.</li> </ul>
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#### 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>	<p><u>Utility Advance Work</u></p> <ul style="list-style-type: none"> <li>VED relocations at South Granville and Arbutus complete.</li> </ul> <p><u>901 Great Northern Way Building Alterations</u></p> <ul style="list-style-type: none"> <li>Slab on-grade removal and interior excavation in preparation for the foundation pile installation complete.</li> </ul>
<b>Key Activities for Next 3 Months:</b>	<p><u>Utility Advance Work</u></p> <ul style="list-style-type: none"> <li>Complete BC Hydro overhead to underground relocation at Arbutus.</li> <li>Complete remaining VED and telecom relocations at Broadway-City Hall.</li> </ul> <p><u>901 Great Northern Way Building Alterations</u></p> <ul style="list-style-type: none"> <li>Complete foundation pile installation.</li> <li>Complete replacement concrete masonry wall.</li> <li>Demolish old concrete masonry wall.</li> </ul>

#### 4.9 Community Benefits

<b>Scope:</b>	<ul style="list-style-type: none"> <li>Work closely with BCIB and BSPC to implement the BCIB Contractor Agreement.</li> <li>Discussion and resolution of progress, concerns and issues related to labour.</li> </ul>
<b>Accomplished in Month:</b>	<ul style="list-style-type: none"> <li>Regular weekly meetings among Project Team, BCIB and BSPC to support workforce planning.</li> <li>Permit tracking report provided by BCIB to Province.</li> <li>Permits approved for abatement and demolition.</li> </ul>
<b>Key Activities for Next 3 Months:</b>	<ul style="list-style-type: none"> <li>BSPC subcontractor preparation and signing of BCIB Subcontractor Agreements.</li> <li>BSPC permit applications for specific scopes of work.</li> <li>BSP information session for subcontractors interested in working on the project.</li> </ul>

## 5. Partners/Stakeholders

### 5.1 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>• Agreements with InTransit BC (ITBC) and TransLink for technical integration of the new Millennium Line Broadway-City Hall Station with the existing Canada Line Broadway-City Hall Station.             <ul style="list-style-type: none"> <li>○ Canada Line Amending Agreement – InTransit BC Phase 1 (between TransLink and InTransit BC).</li> <li>○ Canada Line Amending Agreement - InTransit BC Phase 2 (between TransLink and InTransit BC).</li> <li>○ Integration Agreement with TransLink.</li> </ul> </li> <li>• Accommodation Agreement with Metro Vancouver.</li> <li>• South Granville Station Integration Agreement with PCI.</li> <li>• Great Northern Way Station Integration Agreement with PCI.</li> </ul>
<b>Accomplished in Month:</b>	<ul style="list-style-type: none"> <li>• Continued to engage third parties to ensure successful implementation of executed agreements.</li> </ul>
<b>Key Activities for Next 3 Months:</b>	<ul style="list-style-type: none"> <li>• Meetings, planning and coordination activities to ensure implementation of signed agreements.</li> <li>• Oversight of integration.</li> <li>• Coordination of interface between BSPC and third parties.</li> </ul>

### 5.2 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>

### 5.3 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 identification of engagement opportunity for the station DAP up to Dec. 9<sup>th</sup>, 2020.</li> <li>• During COVID-19, continued to offer engagement using virtual methods with key stakeholders along the alignment.</li> <li>• Responded to e-mail enquiries to project inbox and phone enquiries to the Community Office.</li> <li>• Coordinated responses to the 24/7 construction information line with BSPC.</li> </ul>
<b>Key Activities for Next 3 Months:</b>	<ul style="list-style-type: none"> <li>• Communications to support notification of early construction works, and BSPC’s site preparation activities.</li> <li>• Install signage identifying future stations at remaining location (South Granville).</li> <li>• Install awareness sign at VCC-Clark station to coincide with construction activities at Great Northern Way.</li> <li>• Ongoing meetings and correspondence with local businesses, residents and key stakeholders.</li> <li>• Ongoing response to e-mail, phone and in-person enquiries as needed in transition to BSPC.</li> <li>• Re-open community office with appropriate COVID-19 safety protocols.</li> <li>• Work with BSPC to establish stakeholder advisory groups.</li> <li>• Review draft materials and support notifications for BSPC’s DAP Public Open House #2.</li> <li>• Establish social media channels for the Broadway Subway Project.</li> <li>• Communicate finalists selected for Public Art.</li> <li>• Share information on construction methods and timing prior to start of major construction.</li> </ul>

## 6. Project Cost Report

The approved project budget is \$2.827 billion. The project spending for the month of December 2020 was \$15.1 million, and the total spending to date is \$364.8 million. Total Federal recoveries to date are \$80.8 million. Total recoveries from the City of Vancouver are \$100.3 million. The project is forecasted to be on budget.