



transportation  
investment  
corporation

# Monthly Status Report

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Reporting Period: September 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 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	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).
	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.
	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
●	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> </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>

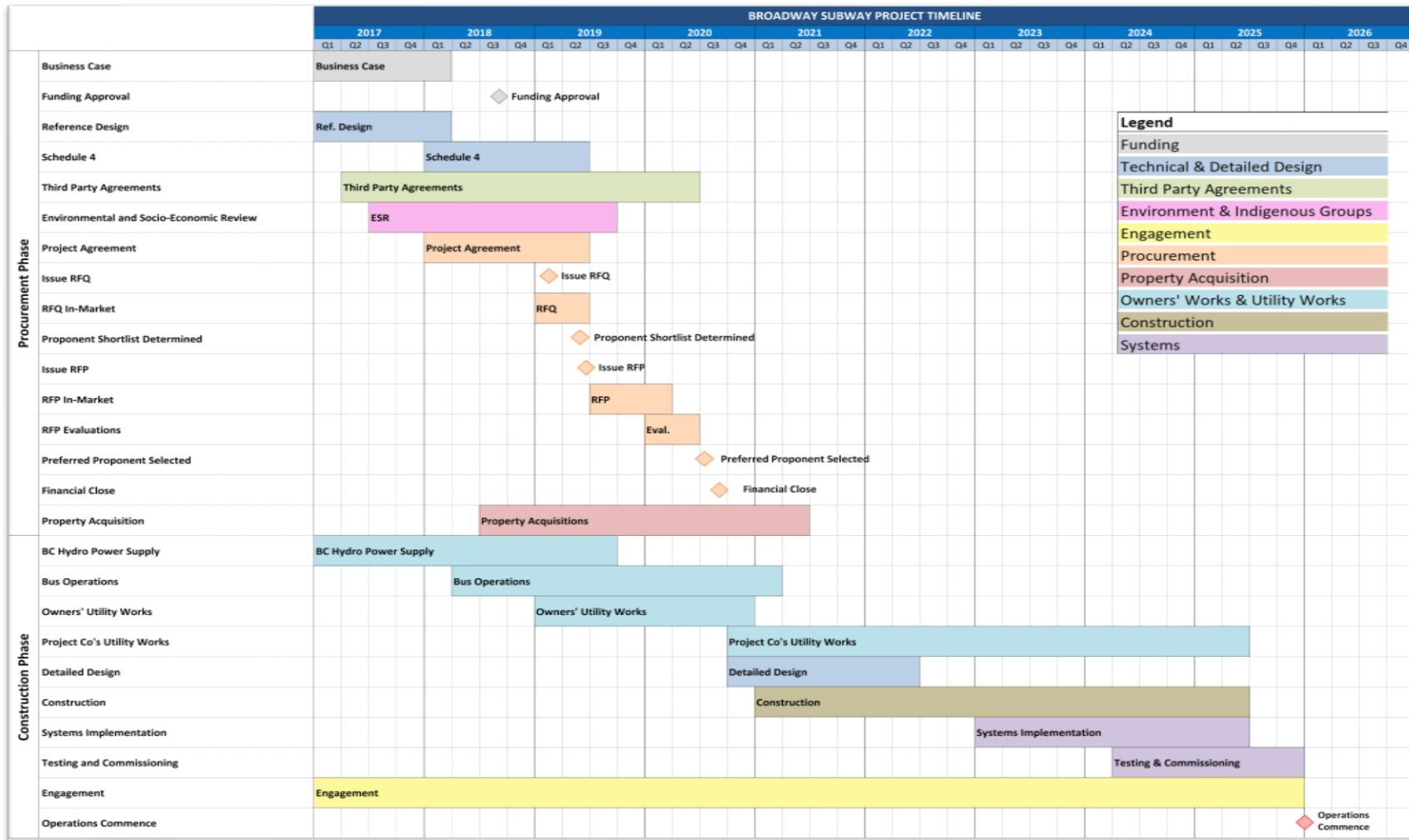
### 2.4 September Highlights

<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 ongoing.</li> <li>Set up working groups with BSPC.</li> <li>Facilitated 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 Procurement Report</li> <li>Redacted Project Agreement</li> <li>Fairness Advisor Report</li> </ul> </li> </ul>
	<b>Environmental</b>	<ul style="list-style-type: none"> <li>Initiated review of environmental submittals.</li> <li>Supporting Indigenous Groups engagement.</li> </ul>

	<b>Property Acquisition</b>	<ul style="list-style-type: none"> <li>Negotiations with impacted property owners ongoing.</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>TELUS installation of fibre optic cables in new infrastructure at Arbutus Street (100% complete).</li> <li>TELUS installation of fibre optic cables in new infrastructure at Cambie Street (90% complete).</li> <li>Completed trolley wire takedowns at station locations on Broadway (100% complete).</li> <li>Mobilization for 901 Great Northern Way Building Alterations began.</li> </ul>
	<b>Community Benefits</b>	<ul style="list-style-type: none"> <li>Regular weekly meetings among BCIB, BSPC and TI Corp to support workforce planning.</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>Announced contract award and final station names.</li> <li>Launched new website at <a href="http://www.broadwaysubway.ca">www.broadwaysubway.ca</a>.</li> <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><li>• Set up working groups with BSPC.</li><li>• Facilitated 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>• 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>• Completed the Community Office Health and Safety Plan and COVID-19 Plan.</li></ul>
<b>Key Activities for Next 3 Months:</b>	<ul style="list-style-type: none"><li>• Complete Health and Safety Plans.</li><li>• Provide support to project teams and stakeholders.</li><li>• Develop compliance and auditing schedule.</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 development of the Quality Management Plan.</li> <li>• Continued development of quality systems and processes for implementation phase.</li> <li>• Continued development of quality audit program for implementation phase.</li> </ul>
<b>Key Activities for Next 3 Months:</b>	<ul style="list-style-type: none"> <li>• Complete and implement Quality Management Plan.</li> <li>• Complete quality systems and processes.</li> <li>• Complete quality audit program.</li> <li>• Develop and conduct Quality Management training for Project Team.</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 Procurement Report</li> <li>○ Redacted Project Agreement</li> <li>○ Fairness Advisor Report</li> </ul> </li> </ul>
<b>Key Activities for Next 3 Months:</b>	<ul style="list-style-type: none"> <li>• Post Project Procurement Report online.</li> <li>• Post Project Agreement available online.</li> <li>• Post Fairness Report 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>
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<b>Accomplished in Month:</b>	<ul style="list-style-type: none"> <li>• Initiated review of environmental submittals.</li> <li>• Supporting Indigenous Groups engagement.</li> </ul>
<b>Key Activities for Next 3 Months:</b>	<ul style="list-style-type: none"> <li>• Review of Environmental submissions.</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> </ul>
<b>Key Activities for Next 3 Months:</b>	<ul style="list-style-type: none"> <li>• Complete last agreement with one remaining landowner.</li> <li>• Continue to manage BSPC's requests for additional lands.</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>

## 4.8 Owner / Other Works

<b>Scope:</b>	<ul style="list-style-type: none"> <li>• Define, procure, and implement early works projects.</li> </ul>
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<b>Accomplished in Month:</b>	<ul style="list-style-type: none"> <li>• TELUS fibre optic cable installation in new infrastructure at Arbutus Street (100% complete).</li> <li>• TELUS fibre optic cable installation in new infrastructure at Cambie Street (90% complete).</li> <li>• Relocation of existing services on Arbutus Street (100% complete).</li> <li>• Trolley wire takedowns at station locations on Broadway (100% complete).</li> <li>• Installation of 6 Construction Cameras.</li> <li>• Mobilization for 901 Great Northern Way Building Alterations began.</li> </ul>
<b>Key Activities for Next 3 Months:</b>	<ul style="list-style-type: none"> <li>• Continue fibre optic cable relocation in new TELUS infrastructure at Cambie Street.</li> <li>• Complete BC Hydro overhead to underground relocation at Arbutus</li> <li>• Complete mobilization, installation of temporary hoarding walls, and excavation in preparation for the installation of foundation piles for 901 Great Northern Way Building Alterations.</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>• Regular weekly meetings among BCIB, and contractor to support workforce planning.</li> </ul>
<b>Key Activities for Next 3 Months:</b>	<ul style="list-style-type: none"> <li>• Prepare BCIB Subcontractor Agreements.</li> <li>• Prejob conference with BCIB, unions and contractor.</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 Broadway-City Hall Station with existing Canada Line Cambie station.</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> </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>• Announced contract award and sent notification to stakeholders, businesses and newsletter subscribers.</li> <li>• TransLink announced final station names.</li> <li>• Launched new website at <a href="http://www.broadwaysubway.ca">www.broadwaysubway.ca</a>.</li> </ul>

	<ul style="list-style-type: none"> <li>• Updated public materials to reflect TransLink’s final station names.</li> <li>• During COVID-19, continued to engage using virtual methods with key stakeholders along the alignment.</li> <li>• Installed signage identifying 5 of the future stations.</li> <li>• Responded to e-mail enquiries to project inbox and phone enquiries to the Community Office and to the 24/7 construction information line.</li> <li>• Posted website notifications regarding early works activities.</li> </ul>
<p><b>Key Activities for Next 3 Months:</b></p>	<ul style="list-style-type: none"> <li>• Install remaining signage identifying future stations at remaining location.</li> <li>• Ongoing meetings and correspondence with local businesses, residents and key stakeholders.</li> <li>• Communications to support notification of early construction works.</li> <li>• Ongoing response to e-mail, phone and in-person enquiries.</li> <li>• Re-open community office with appropriate COVID-19 safety protocols.</li> </ul>

## 6. Project Cost Report

The approved project budget is \$2.827 billion. The project spending for the month of September 2020 was 210.2 million, and the total spending to date is \$324.5 million. Total recoveries were 163.2 million to date; federal recoveries were 62.9 million and recoveries from the City of Vancouver were 100.3 million. The project is forecast to be on budget.