



transportation
investment
corporation

Monthly Status Report

Reporting Period: January 2025

1. Introduction

1.1. Project Overview

The Broadway Subway Project (“BSP” or “the Project”) is a 5.7-kilometre 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:

- 700m 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.
- The new line is expected to go into service in fall 2027.

Additional information and updates about the Project can be found on the Project’s website at <https://www.broadwaysubway.ca/>.

1.2. Project Delivery

Transportation Investment Corporation, a provincial Crown corporation, is delivering and overseeing this \$2.954 billion project. The Project is being delivered under B.C.’s Community Benefits Agreement and the skilled trades workforce will be provided by B.C. Infrastructure Benefits Inc.

Broadway Subway Project Corporation (BSPC) has been selected as the design-build contractor.

The Broadway Subway Project is a key part of the rapid transit program in Metro Vancouver’s Mayors’ Council 10-Year Vision. The Vision is funded by the governments of B.C. and Canada, TransLink, and City of Vancouver. Once constructed, the Broadway Subway will be integrated with the regional transit network and operated and maintained by TransLink.

1.3. Project Goals

Based on the mandate and results of consultation, 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 facilitates the efficient movement of goods and services during operation.
- **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. Project Dashboard

Objectives		Project Status	Comments
Project Delivery	Scope	●	<ul style="list-style-type: none"> The Project is being delivered within scope. The Project includes a primarily tunnelled extension of the existing Millennium Line SkyTrain system from VCC-Clark Station to a new station at Arbutus Street.
	Schedule	●	<ul style="list-style-type: none"> Revised schedule announced May 24, 2024. The new line is expected to go into service in fall 2027. The Project is tracking within the approved schedule. Schedule management is a critical focus with monthly reviews and close collaboration with the contractor.
	Budget	●	<ul style="list-style-type: none"> The Project spending for the month of January 2025 was \$29.9 million. Total Project spending to date is \$1.77 billion. Total Federal Recoveries to date are \$587 million and City of Vancouver contribution is \$100.3 million. The original budget announced in 2018 was amended to \$2.954 billion by the Province in September 2024 to cover costs associated with the extended schedule.
	Safety	●	<ul style="list-style-type: none"> The Project team monitored the implementation of the health and safety program and performed site visits. There have been 42 lost time injuries on the Project to date. The Lost Time Injury Frequency Rate (LTIFR) for the Project is 1.29 which is less than the WorkSafeBC 2023 rate of 2.4* for heavy construction and less than 4.6* for mechanized tunnel. <p><i>*Injury rate data reflects Large Employer 100+ Person Years employer size.</i></p>
	Quality	●	<ul style="list-style-type: none"> Quality monitoring and auditing of select work activities and processes continue. Review of quality documentation submittals continues.
	Environmental	●	<ul style="list-style-type: none"> Site-specific environmental workplans are being implemented. Weekly environmental monitoring is being completed with reports submitted by BSPC. Work to mitigate construction noise at all stations is ongoing. Province-led monthly monitoring of environmental programs continues, with ad-hoc site visits as required.

	Design and Construction	Provide design and technical oversight, coordinate and manage activities on site, and conduct compliance reviews.	●	<ul style="list-style-type: none"> – Continued finalizing systems design. – Continued progress on remaining excavation, and utility work. – Ongoing construction of permanent works along the Elevated Guideway and at all six stations.
	Labour Model	Work collaboratively with BC Infrastructure Benefits Inc. (BCIB) to successfully implement the Community Benefits Agreement (CBA).	●	<ul style="list-style-type: none"> – Ongoing coordination and collaboration with BCIB and BSPC to implement the CBA. – Ongoing discussions regarding current and future Project workforce.
Partners/ Stakeholders	First Nations	Continue to build and maintain a positive collaborative working relationship.	●	<ul style="list-style-type: none"> – Targets for Indigenous contracting opportunities have all been achieved and engagement continues with First Nations on further opportunities. – Continued engagement with First Nations in relation to the Project and cultural recognition. – Project-specific agreements with First Nations have been finalized.
	Third Parties	Continue to build and maintain positive relationships with Project Partners and other third parties.	●	<ul style="list-style-type: none"> – Ongoing third-party engagement for successful Project implementation and integration. – Ongoing discussions with TransLink regarding Operations and Control Centre (OCC2) and SkyTrain systems integration. – Ongoing discussions with Canada Line regarding integration with Broadway-City Hall Station.
	Public and Stakeholder Engagement	Continue to build and maintain relationships with the community, provide information about Project activities and respond to stakeholder concerns related to construction.	●	<ul style="list-style-type: none"> – Ongoing engagement with local businesses, stakeholders, residents, and the public.

Status	Description
●	Managing critical issues, negotiating resolution; action required immediately
●	Managing some issues, negotiating resolution; action required in the near term
●	Managing day to day operations

3. Project Documents and Achievements to Date

Project Delivery	Project Planning and Development	<ul style="list-style-type: none"> – Business Case released (2018). – Cost Report released (2018). – Project Overview released (2018). – Risk Report released (2018). – Strategic Options Whitepaper released (2018). – Executed Design-Build-Finance Agreement (August 2020).
	Environmental	<ul style="list-style-type: none"> – Environmental technical studies complete (2017-2018). – Environmental Socio-Economic Report complete (2020). – Environmental Workplans complete (2022).
	Design and Construction	<ul style="list-style-type: none"> – Geotechnical studies complete (2016-2017). – Reference concept design complete (2018). – Traffic modelling complete (2017-2019). – Geotechnical Subsurface Baseline Report complete (2019). – Geotechnical investigations commenced (2020). – Building abatement complete (2021). – Building demolitions at station sites complete (2021). – Piling for traffic decks complete at Mount Pleasant (2021), Broadway-City Hall (2021), Oak-VGH (2022), South Granville (2022), and Arbutus stations (2022). – Traffic deck installation complete at Mount Pleasant (2022), Broadway-City Hall (2022), Oak-VGH (2022), South Granville (2022) and Arbutus (2023) stations. – Station box excavation complete at all stations: Great Northern Way-Emily Carr (2022), Mount Pleasant (2022), Broadway-City Hall (2023), Oak-VGH (2023), South Granville (2023) and Arbutus (2023). – Station box base slab complete at all stations: Great-Northern Way-Emily Carr (2022), Mount Pleasant (2022), Broadway-City Hall – including crossover box (2023), Oak-VGH (2023), South Granville (2023) and Arbutus – including crossover box (2024). – Elevated guideway pier and girder installation complete (2023), and structure finished (2024). – Both TBMs launched (2022) and completed boring (2024).
Partners/ Stakeholders	Owner / Other Works	<ul style="list-style-type: none"> – TBM power – BC Hydro (2019). – Propulsion Power Substations including upgrade to dedicated power at VCC-Clark Station – BC Hydro (2019). – Utility relocate at Main Street – TELUS (2019). – Utility relocate at Great Northern Way – TELUS/FortisBC/BC Hydro (2019). – Civil construction and utility relocate at Arbutus and Cambie – TELUS (2020). – Trolley overhead relocations of bus routes 14, 16, and 17 – Coast Mountain Bus Company (2020). – Trolley overhead removals of trolley infrastructure on Broadway – Coast Mountain Bus Company (2020). – Utility relocate at Cambie – FortisBC (2020).

	<ul style="list-style-type: none"> - Electrical duct utility relocate at South Granville and Arbutus – City of Vancouver (2021). - 901 Great Northern Way building modification completed (2021).
Labour	<ul style="list-style-type: none"> - Community Benefits Agreement (July 2018) – amended and restated March 2022. - BCIB-AIRCC Enabling Agreement (July 2019). - Project Definition: Broadway Subway Project (July 2019). - BCIB Health and Safety Program (March 2020). - BCIB-Contractor Agreement (August 2020). - BCIB-Subcontractor Agreement (August 2020).
First Nations	<ul style="list-style-type: none"> - Capacity Agreement for the Environmental and Socio-Economic Review (2018). - Contracting and employment requirements finalized (2020). - Cultural recognition opportunities selected by First Nations (2021).
Third Parties	<ul style="list-style-type: none"> - Memorandum of Understanding – City of Vancouver (2017). - Memorandum of Understanding – TransLink (2018). - Canada–British Columbia Integrated Bilateral Agreement for the Investing in Canada Infrastructure Program – Government of Canada (2018). - Canada Line Amending Agreement – InTransit BC Phase 1 (2019). - South Granville Station Integration Agreement – PCI (2019). - Vancouver Municipal Agreement – City of Vancouver (2020). - Metro Vancouver Accommodation Agreement (2020). - Broadway Subway Project Support Agreement – TransLink (2020). - Canada Line Amending Agreement – InTransit BC Phase 2 (2020). - Integration Agreement – TransLink (2020). - Great Northern Way-Emily Carr Station Integration Agreement – PCI (2020).
Public and Stakeholder Engagement	<ul style="list-style-type: none"> - Phase 1 and 2 engagements (led by TransLink and City of Vancouver) <ul style="list-style-type: none"> o Phase 1 engagement (December 2016 – February 2017). o Phase 2 engagement (May 2017 – July 2017). - Broadway Subway Project Engagement (Province-led) <ul style="list-style-type: none"> o Local business survey (July 2019 – December 2019). o Community engagement (October 2019 – December 2019). o Community Office (open from September 2019 - January 2025). o Established 24/7 construction information line (December 2019). - Station Design Advisory Process (BSPC-led) <ul style="list-style-type: none"> o First engagement occurred (November – December 2020). o First engagement summary report released (2021). o Second engagement (April – May 2021).

4. December Highlights and Three Month Lookahead

4.1. Safety

<p>Scope:</p>	<ul style="list-style-type: none"> – Oversee and monitor health and safety: <ul style="list-style-type: none"> ○ Management plans and systems ○ Goals, objectives, and performance metrics ○ Roles and responsibilities ○ Planning and coordination of major Project activities ○ Compliance with WorkSafeBC, municipalities, and government agencies ○ Continual improvement process ○ Risk management ○ Statistics and trends
<p>Monthly Highlights:</p>	<ul style="list-style-type: none"> – Performed weekly site visits to observe compliance and areas of improvement. – Focused on monitoring the management of public safety. – Monitored compliance with underground work activities. – Received the reported Lost Time Injury Frequency Rate (LTIFR): <ul style="list-style-type: none"> ○ The Project to date LTIFR is 1.29, which less than the 2023 WorkSafeBC rate of 2.4* for heavy construction and 4.6* for mechanized tunnel. <i>*Injury rate data reflects Large Employer 100+ Person Years employer size.</i> – Monitored compliance of the Safety Management Plan.
<p>Three Month Lookahead:</p>	<ul style="list-style-type: none"> – Continue to: <ul style="list-style-type: none"> ○ Provide health and safety support to involved parties. ○ Perform regular health and safety inspections at Project sites. ○ Oversee the health and safety planning and performance for activities in underground work areas. ○ Monitor the management of public safety. – Perform regular health and safety spot audits on specific activities or elements of BSPC’s safety plan.

4.2. Quality

<p>Scope:</p>	<ul style="list-style-type: none"> – Establish quality management Project objectives and performance measures. – Manage Project quality management activities. – Monitor relevant quality management performance metrics. – Outline relevant quality management processes and activities.
<p>Monthly Highlights:</p>	<ul style="list-style-type: none"> – Completed one (1) surveillance quality audit on record documents and field change processes. – Completed five (5) quality observation field visits related to BSPC’s quality activities at Arbutus station, Great Northern Way, Elevated Guideway, Traffic Management at Oak-VGH, and South Granville station. – Initiated five (5) Non-Conformity Reports (NCRs) this month related to construction, health and safety, mechanical, and tunnel works management processes. To date there have been a total of 455 NCRs (36 open and 419 closed).

Three Month Lookahead:	<ul style="list-style-type: none"> – Continue regular monitoring of quality activities by means of discipline specific field visits, meetings, and other review and communication processes. – Continue scheduled quality system audits, surveillance audits, and observation field visits. – Continue to review quality documentation submissions.
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4.3. Environmental

Scope:	<ul style="list-style-type: none"> – Oversee BSPC’s measures to manage and mitigate risks identified in the Environmental and Socio-Economic Review (ESR). – Review environmental submissions and reports. – Monitor Construction Environmental Management Plan (CEMP) implementation through review of weekly environmental monitoring reports, monthly audits and ad-hoc site inspections. – Support engagement with First Nations on environment-related items.
Monthly Highlights:	<ul style="list-style-type: none"> – Completed review of BSPC’s weekly and monthly reporting to monitor compliance with the CEMP. – Identified opportunities for improvement and successes from monthly audit and ad-hoc site inspections. – Continued focus on monitoring and mitigation of construction noise, especially as it relates to night and shoulder work.
Three Month Lookahead:	<ul style="list-style-type: none"> – Continue monthly and ad-hoc on-site environmental inspections at all sites. – Continue monitoring refinements to noise mitigation/monitoring programs at all sites, especially as it relates to night and shoulder work. – Focus fall and winter monitoring and inspections on erosion and sediment control and water management. – Review the BSPC 2024 Annual Environmental Report.

4.4. Design and Construction

Scope:	<ul style="list-style-type: none"> – Provide technical input to the procurement processes. – Develop a design concept, technical requirements/specifications, and related technical studies for the Project. – Conduct Project-related traffic operations modelling, data collection, and other related engineering services. – Conduct compliance reviews of work by BSPC. – BSPC design and construction activities include: <ul style="list-style-type: none"> ○ Non-design ○ Systems design ○ Enabling works including site preparation, building demolitions and utility relocations ○ Construction of six (6) stations ○ Elevated Guideway construction ○ Underground guideway construction by TBM ○ Systems installation ○ Testing and commissioning
Monthly Highlights:	<p><u>Design:</u></p> <ul style="list-style-type: none"> – Continued finalizing systems design.

Traffic:

- Continued to monitor temporary parking reinstatement at select locations on Broadway outside of peak periods together with the City of Vancouver and TransLink.
- Continued to implement temporary traffic diversions throughout the corridor to accommodate construction.
- Routine traffic deck inspections and maintenance.

Tunnel:

- Continued tunnel fit-out, including lights and fire protection pipes.
- Continued track slab installation.
- Continued trackwork installation.
- Continued cross passage construction.
- Continued walkway wall installation.

Elevated Guideway:

- Continued utilities work.
- Continued trackwork installation.

Great Northern Way-Emily Carr:

- Continued wall and column construction in headhouse, station box, and transition box.
- Continued concourse slab construction in the station box.
- Continued construction of the transition box.
- Continued construction of platform slabs.

Mount Pleasant:

- Continued roof slab construction in the station box.
- Continued column and wall construction in the station box and headhouse.
- Continued construction of the vent shafts.
- Continued fit-out in service rooms.
- Continued work on platform slabs.

Broadway-City Hall:

- Commenced construction of platform slabs in the station box.
- Continued preparations for constructing lower walls and invert slab in circulation shaft (west side of Cambie Street).
- Continued construction of the south underpass structure.
- Continued construction of walls and columns in station box.
- Continued track slab construction in station box.
- Continued construction of invert slabs at the headhouse.

Oak-VGH:

- Commenced construction of headhouse roof slabs.
- Continued construction of station and headhouse walls, columns, and platform slab.
- Continued construction of concourse slab in station box.
- Continued excavation of the emergency exit.
- Continued excavation of the vent shaft.
- Continued track slab construction in station box.

South Granville:

- Commenced preparations for utility relocation.
- Continued construction of concourse slab in the station box.
- Continued construction of station walls and columns.

Arbutus:

- Continued roof slab construction in the station box.
- Continued concourse slab and wall construction at the headhouse.
- Continued wall construction in the station box.

	<ul style="list-style-type: none"> - Continued roof slab and wall construction at the crossover box. - Continued trackwork construction in the crossover box.
<p>Three Month Lookahead:</p>	<p><u>Design:</u></p> <ul style="list-style-type: none"> - Finalize systems design. <p><u>Traffic:</u></p> <ul style="list-style-type: none"> - Continue to implement temporary traffic diversions throughout the corridor to accommodate construction. - Together with the City of Vancouver and TransLink, continue monitoring temporary parking reinstatement at select locations on Broadway outside of peak periods. - Routine traffic deck inspections and maintenance. <p><u>Tunnel:</u></p> <ul style="list-style-type: none"> - Complete track slab installation. - Continue trackwork installation. - Continue tunnel fit-out, including lights, walkway walls and fire protection pipes. - Continue cross passage construction. <p><u>Elevated Guideway:</u></p> <ul style="list-style-type: none"> - Continue trackwork installation. <p><u>Great Northern Way-Emily Carr:</u></p> <ul style="list-style-type: none"> - Complete lower wall construction in the station box. - Complete transition box and U-section concrete works. - Continue construction of columns and walls in the station box. - Continue concourse slab construction in the station box. - Continue roof slab construction in the station box. <p><u>Mount Pleasant:</u></p> <ul style="list-style-type: none"> - Continue column and wall construction in the station box and headhouse. - Continue roof slab construction in the station box. - Continue construction of the vent shafts. - Continue fit-out in service rooms. - Continue work on platform slabs. <p><u>Broadway-City Hall:</u></p> <ul style="list-style-type: none"> - Commence construction of concourse roof slabs in the station box. - Commence modification of existing Canada Line platform. - Continue construction of walls and columns in the station box. - Complete construction of base slabs in headhouse. - Continue construction of track slabs in the station box. - Continue construction of platform slabs in the station box. - Continue construction of southern underpass structure for the passenger connection between the Millennium Line and Canada Line platforms. - Continue construction of the circulation shaft walls and base slab (west side of Cambie Street). <p><u>Oak-VGH:</u></p> <ul style="list-style-type: none"> - Continue construction of station and headhouse walls, columns, and platform slab - Continue construction of concourse slabs in the station box. - Complete excavation for the emergency exit. - Complete excavation for the vent shaft. <p><u>South Granville:</u></p> <ul style="list-style-type: none"> - Continue construction of station walls and columns. - Continue construction of station concourse slabs and walls. - Commence utility relocation works.

	<ul style="list-style-type: none"> – Recommence masonry wall construction. <p>Arbutus:</p> <ul style="list-style-type: none"> – Commence tail track tunnel structural construction. – Complete concourse slab construction in the headhouse. – Continue upper concourse slab construction in the headhouse. – Continue platform slab construction in the station box. – Continue roof slab construction in the station and crossover box. – Continue wall construction in the headhouse, station box and crossover box. – Commence track slab construction. – Continue trackwork construction in the crossover box.
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4.5. First Nations

Scope:	<ul style="list-style-type: none"> – Consultation and engagement with First Nations on Project materials and cultural recognition at stations.
Monthly Highlights:	<ul style="list-style-type: none"> – Shared Project updates and materials with First Nations, including environmental management plans and reports, archaeological reports, and construction updates. – Held discussions with First Nations on art and cultural recognition, including progressing art designs for the stations. – All Project-specific agreements with First Nations have been finalized.
Three Month Lookahead:	<ul style="list-style-type: none"> – Continue sharing information, identifying, and resolving issues, and identifying Project-related opportunities for First Nations. – Continue engagement with First Nations related to art and cultural recognition at stations, including supporting the work of artists. – Work with First Nations to identify training programs that support Project employment and update labour forecasting.

4.6. Third Parties

Scope:	<ul style="list-style-type: none"> – Engage with TransLink, the City of Vancouver, PCI, InTransit BC, and other third parties during the Project implementation phase. – TransLink Agreement. <ul style="list-style-type: none"> ○ Broadway Subway Project Support Agreement. – Municipal Agreement. <ul style="list-style-type: none"> ○ Vancouver Municipal Agreement with the City of Vancouver. – Agreements with InTransit BC 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"> ○ Canada Line Amending Agreement – InTransit BC Phase 1 (between TransLink and InTransit BC). ○ Canada Line Amending Agreement – InTransit BC Phase 2 (between TransLink and InTransit BC) ○ Integration Agreement with TransLink – PCI Agreements. <ul style="list-style-type: none"> ○ South Granville Station Integration Agreement with PCI. ○ Great Northern Way-Emily Carr Station Integration Agreement with PCI. – Accommodation Agreement with Metro Vancouver.
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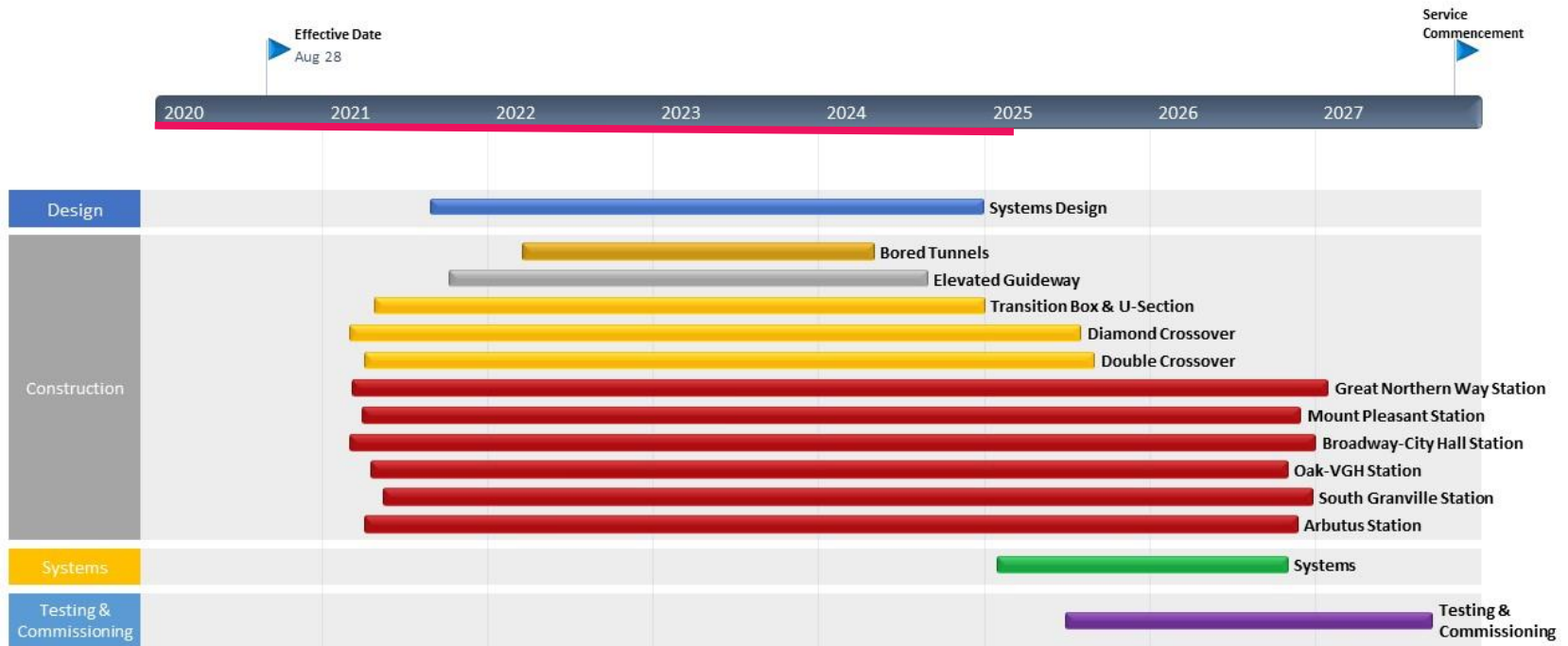
Monthly Highlights:	<ul style="list-style-type: none"> – Held ongoing discussions with TransLink regarding OCC2 implementation. – Preparation for installation of equipment in the OCC2 data centre. – Continued collaboration with Canada Line regarding design and construction integration with Broadway-City Hall Station; including construction activities for both underpasses and advancement of design deliverables and review. – Continued collaboration with PCI regarding design and construction at relevant adjacent development sites.
Three Month Lookahead:	<ul style="list-style-type: none"> – Continue to engage third parties to ensure successful implementation of executed agreements. – Coordinate design and construction interface between BSPC and third parties.

4.7. Public and Stakeholder Engagement

Scope:	<ul style="list-style-type: none"> – Manage ongoing public and stakeholder communications, and community and business relations.
Monthly Highlights:	<ul style="list-style-type: none"> – Began focused community outreach for the utility relocation work at South Granville Station. – Closed the community office due to consistently low number of in-person visits, with resources redirected to in-person engagements in neighbourhoods across the Project alignment.
Three Month Lookahead:	<ul style="list-style-type: none"> – Install temporary murals on construction fencing at Arbutus Station site. – Host ongoing community outreach activities along the Project alignment, including an information kiosk at Mount Pleasant Community Centre on February 5. – Continue outreach walks and other frequent direct contact with businesses. – Conduct ongoing regular updates and meetings with the Business Improvement Associations, Traffic Advisory and Arbutus Schools Traffic Liaison groups. – Continue regular interactions with residents and key stakeholders. – Provide progress updates on track installation, work inside the tunnels, and construction of stations. – Continue to distribute construction notifications and respond to public enquiries.

5. Schedule

The following schedule depicts estimated timelines from the contract effective date to the new line’s in-service date, and reflects the updated schedule announced on May 24, 2024.



6. Project Photos



Figure 1: Elevated Guideway: Progressing with track installation.



Figure 2: Great Northern Way-Emily Carr Station: Progressing with construction of the concourse-level floor and platform slab.

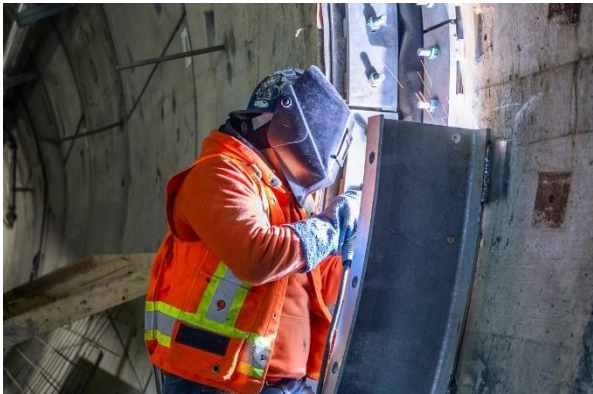


Figure 3: Mount Pleasant Station: Progressing with construction of the expansion joint between the station and the tunnel.



Figure 4: Broadway-City Hall Station: Progressing with the installation of the mud slab on the Canada Line platform level in the headhouse.



Figure 5: Oak-VGH Station: Completing the excavation for the emergency exit.



Figure 6: South Granville Station: Progressing with construction of the expansion joint between the station and the tunnel.



Figure 7: Arbutus Station: Preparing for structural works inside the tail track tunnels.



Figure 8: Tunnels: Progressing with construction of the concrete walkway wall in the tunnel near Mount Pleasant Station.