



# Millennium Line UBC Extension [UBCx]

Vancouver City Council  
March 29, 2022





# Agenda

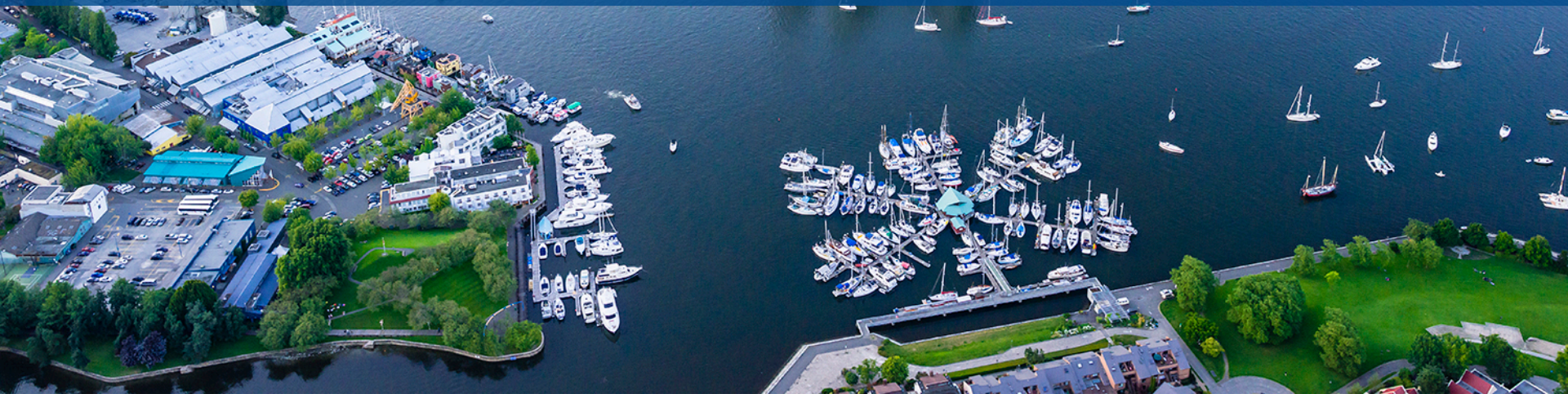
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1. Project Timeline and Benefits
2. Overview of TransLink's Current Work
3. Station Integration
4. Council Recommendations
5. Next Steps





## Project Timeline and Benefits





# UBCx Project History/ Upcoming Milestones

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**2014:** MC approves 30yr vision including rapid transit between Commercial Dr and UBC – delivered in two phases:

- **Phase 1:** Broadway Subway Project - VCC Clark to Arbutus Street (estimated completion 2025)
- **Phase 2:** Arbutus Street to UBC

**2019:** MOU between COV, MST-DC and UBC advancing UBCx and seeking financial support from Federal and Provincial governments. MC endorses SkyTrain technology for UBCx and agrees to advance design development

**Jan 2022:** MC approves T2050 - 30 year vision w/ UBCx as strong contender within next 10yr vision and investment plan [endorsement mid-2022]

- **\*\*July 2021: Senior levels of government commit to funding the business case\*\***

**March 2022:** Millennium UBC Extension Pre-Business Case Design Development Review technical work complete. Outcome to be presented at MC April 22

## **COV Council Recommendations - March 29**

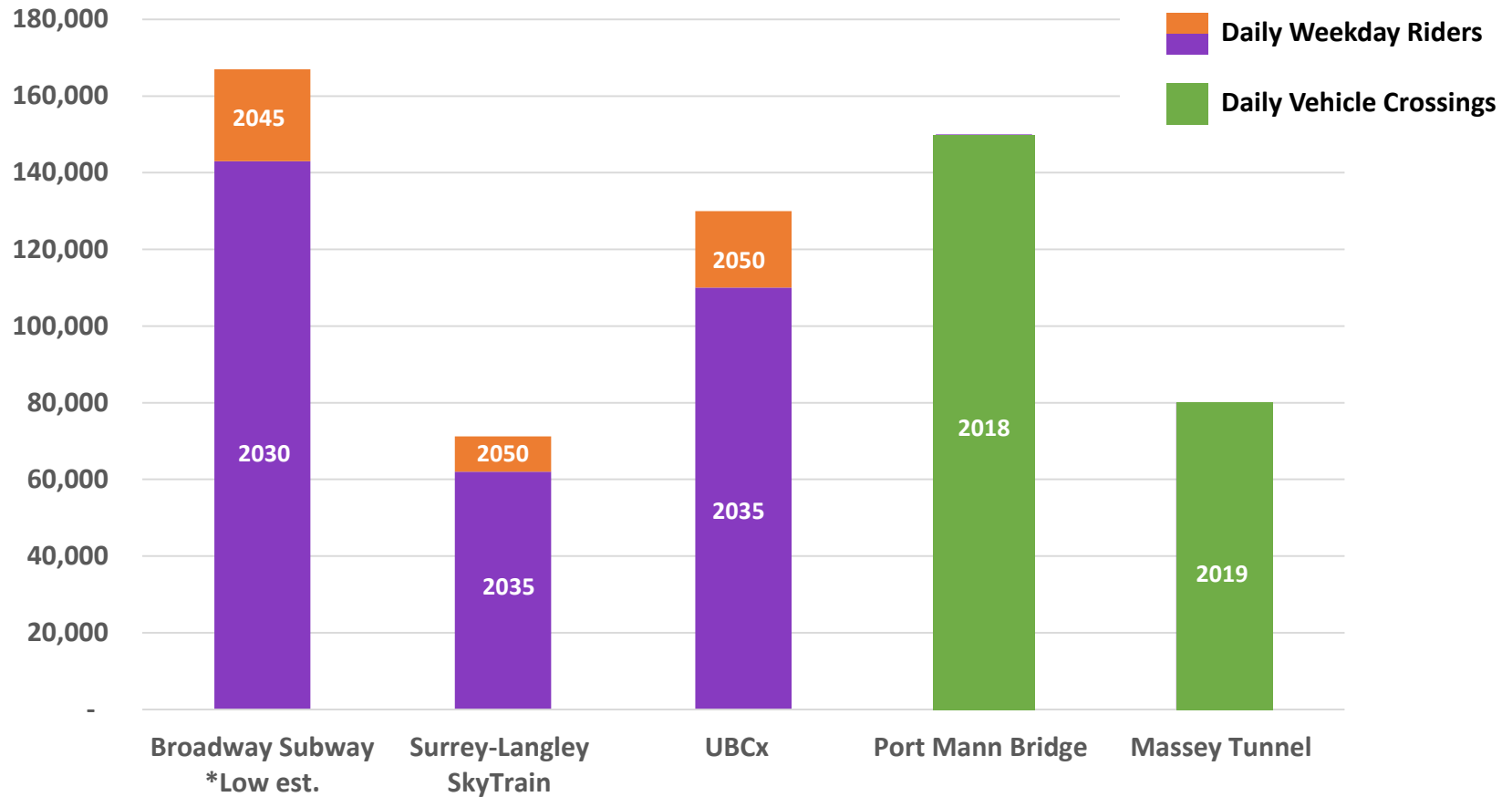
- Demonstrate strong City support for project and station locations at Mayors' Council (MC)

# Need and Benefits of UBCx

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- At Broadway Subway opening, bus service from Arbutus to UBC will be at capacity in peak hour
- Addresses overcrowding on 4/5 of region's busiest east-west bus routes
- Connects a regionally-important employment corridor
- Provides affordable housing opportunities around potential new stations
- Serves the entire region – half of riders are from outside Vancouver
- Supports the Musqueam Indian Band, Squamish Nation, and Tsleil-Waututh Nation's economic development

# UBCx Compared in the Region

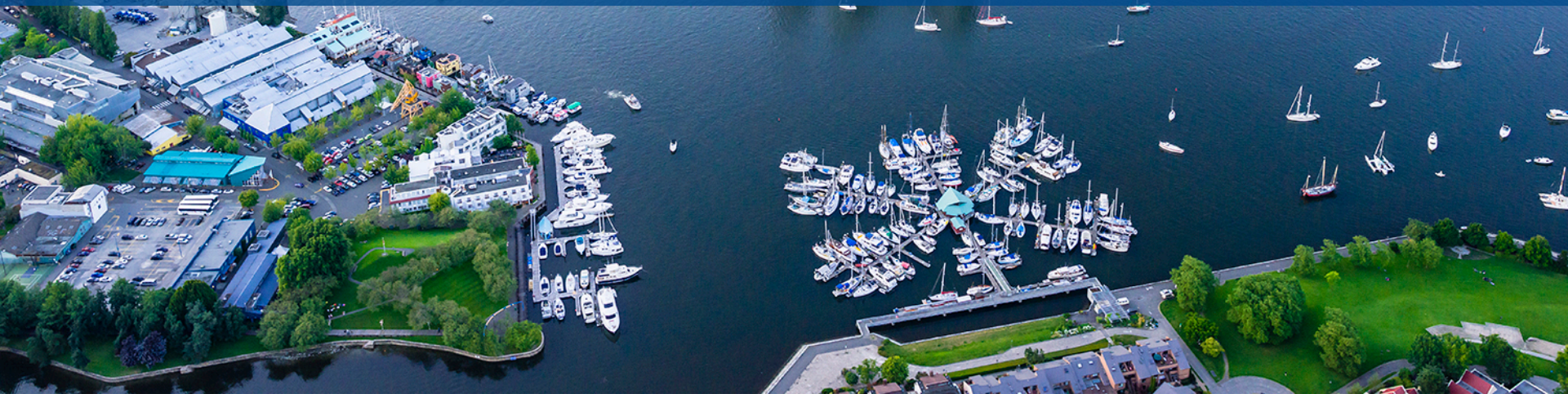


- 2021: TransLink public engagement on UBCx indicated 67% of Metro Vancouver residents are supportive or very supportive
- 2017: Broadway Subway Project engagement found number one comment (42% of all comments) was a desire to build all the way to UBC as quickly as possible
- 2012: UBC Line Rapid Transit Study engagement found SkyTrain was the preferred alternative by the public by nearly three times the next closest alternative





## Overview of TransLink's Current Work

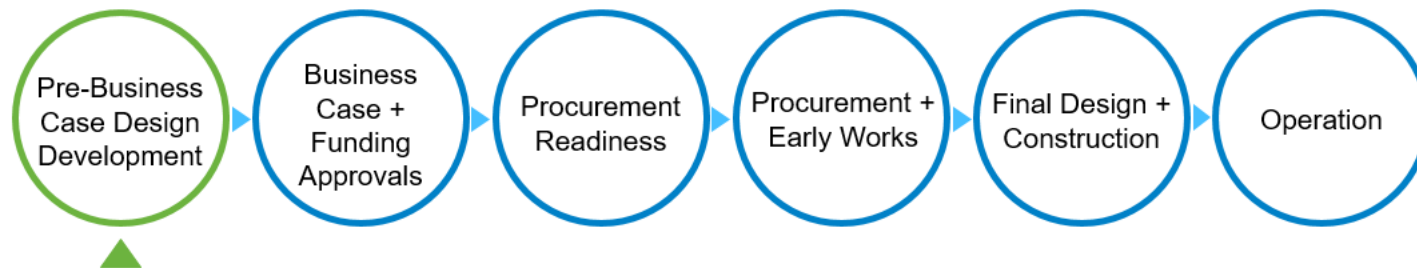




# TransLink's Current Work Overview

## Current Work

- TransLink is leading a Pre-Business Case Design Development Review
- Began in 2019 and technical work complete in 2022



## Project Partners

- City of Vancouver
- Metro Vancouver
- British Columbia Ministry of Municipal Affairs
- British Columbia Ministry of Transportation & Infrastructure
- xʷməθkʷəy̓əm (Musqueam)
- Sk̓wx̓wú7mesh Úxwumixw (Squamish)
- səliłwətał (Tsleil-Waututh)
- University Endowment Lands (UEL)
- Administration at University of British Columbia (UBC)

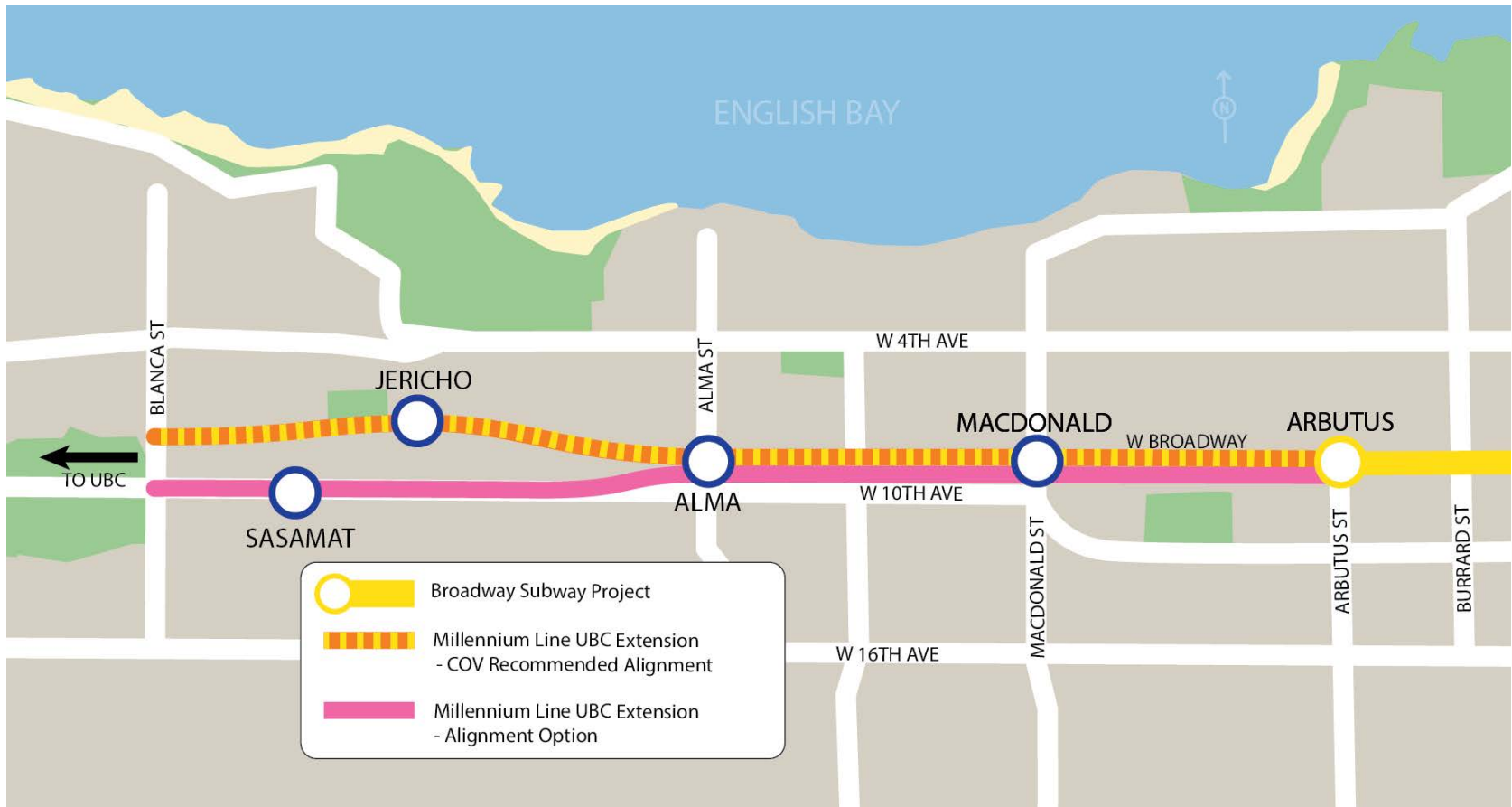
# TransLink's Current Scope of Work

- Study Objective: Shortlist alternatives to advance to further design development and business case to set project funding envelope
- Scope:
  - Alternatives analysis reviewing:
    - horizontal alignment (including station locations)
    - vertical alignment (above or below grade)
  - Evaluation of alternatives against strategic project objectives





## Horizontal Alignment and Stations



## **Advantages of Jericho Station**

- Ideal construction staging opportunity
- Provides space for key operational rail infrastructure
- Minimizes construction disruption to neighbourhoods
- Economic development for Host Nations
- Significant housing opportunities
- Places greatest number of people and jobs around station
- Better access to recreational opportunities



## Vertical Alignment

- TransLink undertook a feasibility analysis to establish regional base scope for vertical alignment. Above-grade SkyTrain is considered baseline, if feasible
- Mayors' Council to review technical analysis outcomes for decision on regional base scope
- As per Municipal Contributions Policy Framework, it is anticipated that alignment and 3 stations will generally be included within the Regional Base Scope with no partner contributions from CoV identified at this time

## Vertical Alignment

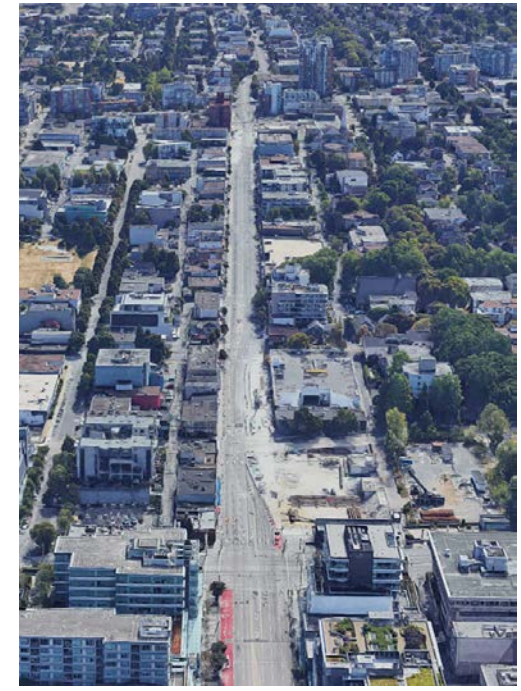
- Similar process undertaken for Broadway Subway Project found above-grade solution to be not functionally feasible due to narrow corridor
- UBCx section of Broadway similar or narrower than BSP



**Broadway/Vine - West**



**Broadway/Burrard - West**

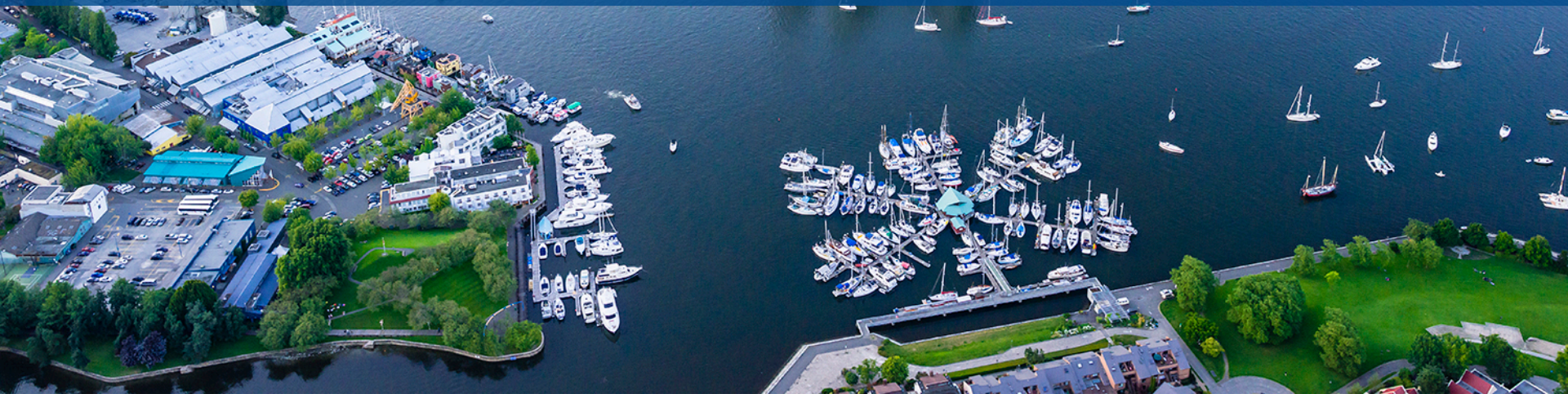


**Broadway/Cambie - East**





# Station Integration





# Advancing Station Integration

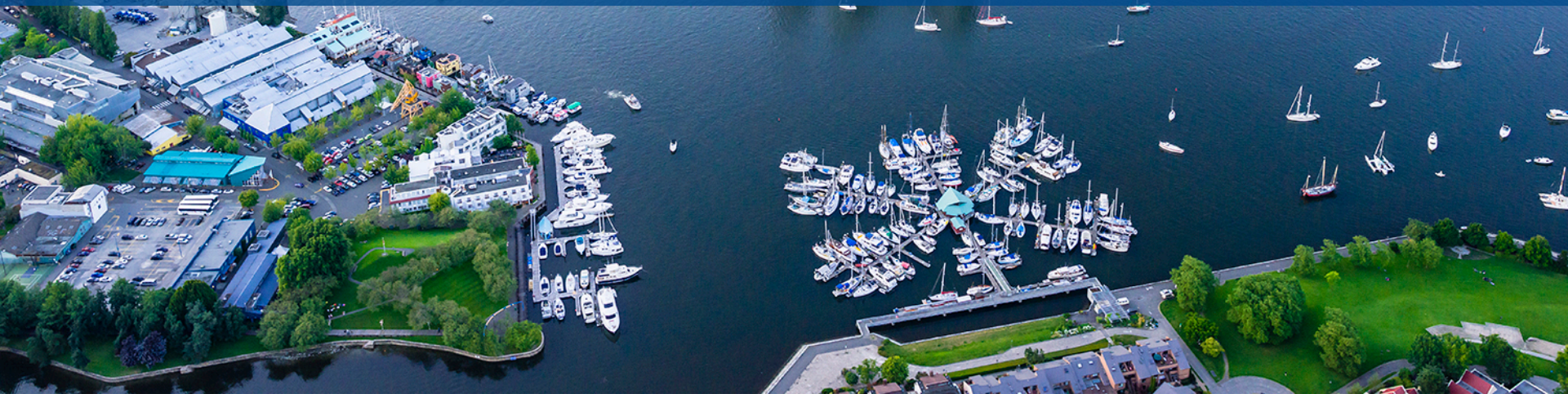
- BSP highlights complexities of integrating stations with development
- Work beginning earlier in project lifecycle helps preserve the opportunity to fully overbuild and integrate the stations with future development to provide jobs, housing and community amenities







## Council Recommendations





# Council Recommendations

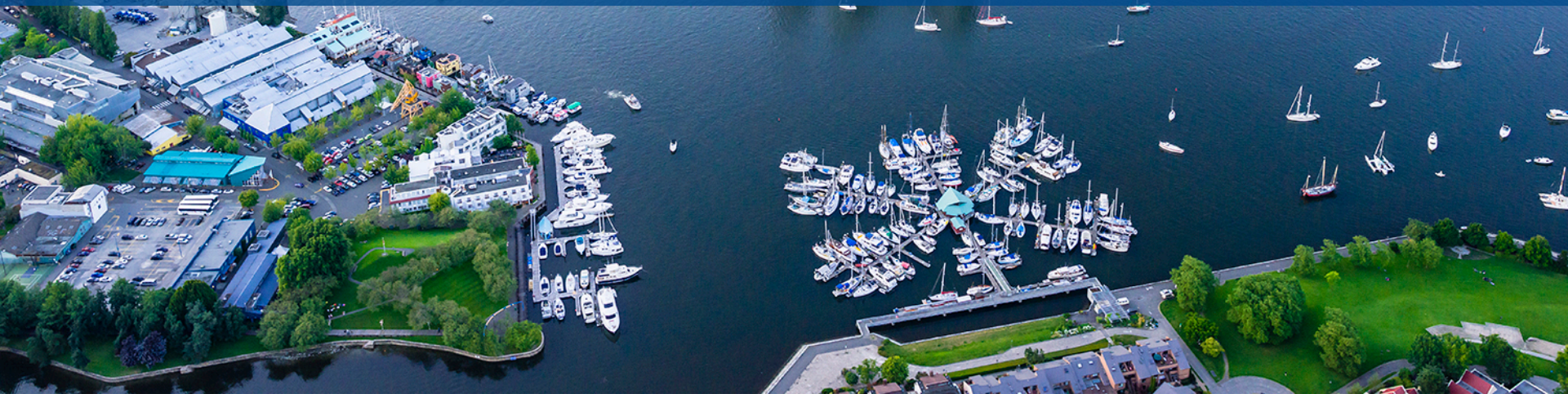
- Endorse a Millennium Line UBC SkyTrain Extension alignment from Arbutus Street to UBC including stations at Macdonald Street, Alma Street and Jericho Lands
- Endorse a station location within the Jericho Lands with the location to be refined through future City and TransLink processes
- Endorse staff working with Project partners including the Province, TransLink and others to advance opportunities for station integration and achieving shared urban design objectives such enhanced connectivity, accessibility, passenger amenities as well as a vibrant public realm.







## Next Steps





- TransLink undergoing subsequent Mayors' Council endorsement process for preferred alignment and station locations
- UBCx will be evaluated with other regional projects as part Mayors' Council 10 year New Vision (T2050 10-Year Priorities) update
- If approved, New Vision will outline timelines to progress to the next phase of UBCx
- Next phase of UBCx includes:
  - Advancing one or more preferred alignments into further design development
  - Developing associated business case to set project funding envelope





Thank you