

# City of New Westminster - February 26, 2025 Fall 2022 ETF Bike Trail Survey Report:



## Executive Summary

This mostly trail based 10 km section starts heading east up the steep hill on Trapp Road towards the 22<sup>nd</sup> Street Sky Train then crosses over Stewardson way on to the BC Parkway. The route then follows the BC Parkway to Westminster Quay and The Fraser Discovery Centre. Moving up onto Columbia Street in central New Westminster the route is on bike lanes until the Pattullo Bridge where it splits to Surrey and on to Coquitlam staying on the BC Parkway in both directions. In the Coquitlam direction the trail rejoins the Fraser River along the Brunnett Fraser Regional Greenway to United Boulevard.

## Trail Quality Assessment Methodology

- Trail quality is both objective and subjective. Attributes such as trail width and surface type are easily measured, but rider comfort or scenic quality are harder to measure. Primarily the trail was developed to be beside or in view of the Fraser River and allow for a contiguous route from the mouth of the Fraser River to Hope.
- The trail route was developed from a number of sources including; GIS data from the Regional District's 2010 planning projects, Community meetings over 2021, Published Community Cycling Maps, Open Street Map, Google Maps, and the Fall Bike Route Survey (1238 Data Locations and 2000+ Photos captured).
- Trail Quality Classification Methodology

<b>Ideal Trail:</b> scenic, paved, wide, separate from walkers and cars (includes bike lanes separated from road traffic by a barrier)	10	<b>Ideal Road:</b> scenic, well-marked bike lanes, room to bike, minor road	5
Poor Scenic Characteristics	-1	Poor Scenic Characteristics	-1
Gravel	-1	No Bike Lane Lines/markers	-1
Narrow, not enough for two bikes	-1	No Shoulder	-1
Speed limitations, pedestrian area	-1	Major Road/Heavy Traffic	-1



## Trail Survey: General Recommendations and Conclusions

- As a general rule place trail signs before intersections or viewable from a far enough distance for a bike rider to see before turning.
- In most cases use of a larger pole mounted 22x34 cm sign with a directional arrow is recommended. Smaller wood post mounted signs 12.7x19.7 cm and signs without directional arrows should only be used for confidence markers where the route is obvious
- Route Maps should be developed at key locations such as bridge crossings and major shifts in the complexity of the trail. The route maps will likely require their own pole/post installations.

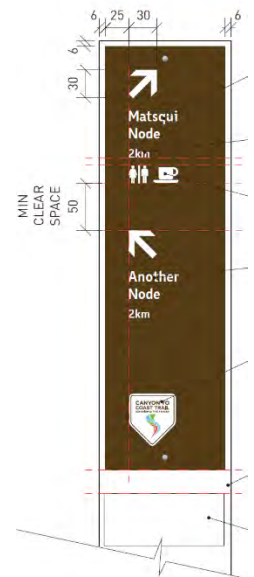
## Summary of Current Trail: City of New Westminster

- Section Length **9.9 km**
- 44** Signs Locations: 2 existing, **42** new locations and **68** additional signs recommended
- 4** Potential Enhancement Projects Identified, **2** Map Sites recommended
- Length of Trail (km) by Class

TRAIL	km	ROAD	km
<b>Ideal Trail 10</b>	1.3	<b>Ideal Road 5</b>	0
<b>Class 9</b>	4.5	<b>Class 4</b>	0
<b>Class 8</b>	.2	<b>Class 3</b>	2.8
<b>Class 7</b>	.7	<b>Class 2</b>	.4
<b>Class 6</b>	0	<b>Class 1</b>	0

## Map Linked Signage Details

- Sign types recommended at each location are shown on the map and labelled numerically. Some sign locations require detailed explanations. Those sign details are listed here.
- The
- **Sign Location 4,5:** There are multiple options at this overpass location. A Route map as well as the two directional signs should be added here. Proximity to Sky train should be noted on the Route map.
- **Sign Location 9:** Tempting to cross on the overpass here, signs on concrete pillar could work to stay straight both directions rather than turn.
- **Sign Location 12:** Confusing section need arrow east to reinforce overpass.
- **Sign Location 16:** Wooden underpass could have markers attached either side to ensure riders don't turn on other trails here.
- **Sign Location 13 :** Important sign location so riders leave Quayside Drive only to Promenade.
- **Sign Location 15:** Some existing ETF info signs here but also recommend a SLOW speed sign for shared Promenade to avoid conflicts with pedestrians. Picture shows one from Delta.
- **Sign Location 18 :** Split promenade Cyclists should stay on upper part but pedestrians also appear to prefer the upper section. Moving pedestrian down to wooden boardwalk could reduce conflicts.
- **Sign Location 24:** Need to stay straight here and not turn down to the Pier Park.
- **Sign Location 28:** New Pattullo bridge will open in Fall 2025 and will be the route through Surrey. A detailed Route Map will be needed here and adjusted for new bridge bike lanes.
- **Sign Location 34:** Hard to see this wooden pole across the train tracks. A new pole here that is tall with the associated direction signs would be better than adding to the wooden pole.
- **Route Map Sign 41:** Intersection is confusing. Best to just arrow markers at base of stop light shown in the picture.
- **Route Map Sign 42:** Nice to have a sign directing east bound riders onto the paved train instead of onto the road.



## Map Linked Potential Project Details

- Potential projects were identified while riding on the trail and are mainly focused on improvements to the route but also include some areas for interpretive/history type projects.
- **Potential Project A:** This steep hill is the steepest section on the Urban part of the ETF trail and would benefit from bike lanes particularly in the uphill (east) direction.
- **Potential Project B:** These road crossings along the BC Parkway running from Sign 9 to Sign 11 could be improved with proper "green" bike markings and crosswalks.
- **Potential Project C:** This section of the BC Parkway moves onto a shared sidewalk with pedestrian conflicts. Could be improved by widening sidewalk or moving onto blocked land.
- **Potential Project D:** New Pattullo bridge will open in Fall 2025 and we will need to connect and sign this route once the bridge is complete.





### Experience The Fraser Fall 2022 Bike Trail Survey Map

### Signs and Potential Projects

### City of New Westminster: Map 1 of 3

Sign Type

- SignExisting
- SignNeeded
- Municipal\_Boundaries
- ★ Potential Project Site
- ▲ Potential Site for Detailed Map

Route Class

- 10 Trail
- 9 Trail
- 8 Trail
- 7 Trail
- 3 Road
- 2 Road

East and West on Signs indicate general direction of travel

EAST

WEST

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## Experience The Fraser Fall 2022 Bike Trail Survey Map

### Signs and Potential Projects

#### City of New Westminster: Map 2 of 3

★ Potential Project Site

● SignExisting

● SignNeeded

▲ Potential Site for Detailed Map

▭ Municipal\_Boundaries

Route Class

ROUTECLASS\_NUMBER

10 Trail

9 Trail

8 Trail

7 Trail

3 Road

2 Road

East and West on Signs indicate general direction of travel

← EAST

→ WEST

0 50 100 150 200

Metres

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### Experience The Fraser Fall 2022 Bike Trail Survey Map

#### Signs and Potential Projects

#### City of New Westminster: Map 3 of 3

★ Potential Project Site

Sign Type

- SignExisting
- SignNeeded
- Municipal\_Boundaries
- ▲ Potential Site for Detailed Map

Route Class

ROUTECLASS\_NUMBER

- 10 Trail
- 9 Trail
- 8 Trail
- 7 Trail
- 3 Road
- 2 Road

East and West on Signs indicate general direction of travel

← EAST

→ WEST

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