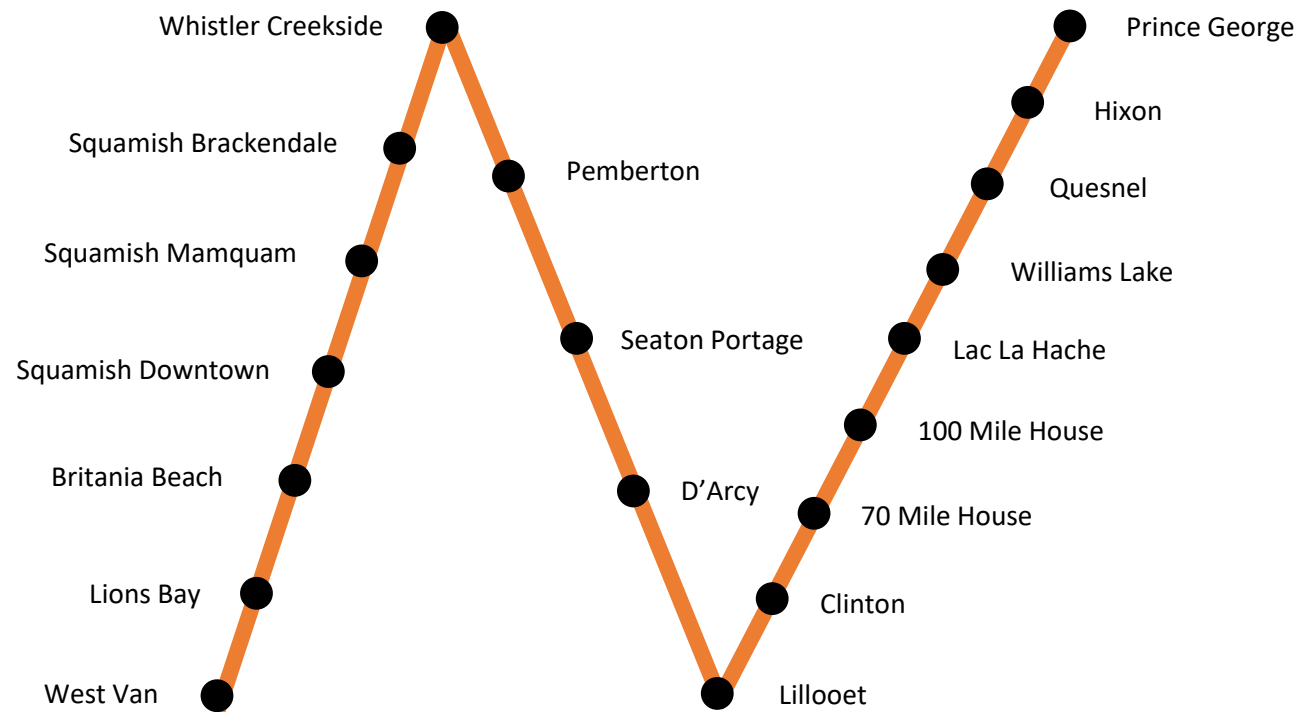


This option shows a rail passenger service from West Vancouver to Prince George.

Close to hourly service between West Van and Whistler, twice daily service to Lillooet, and daily service to Prince George.



Rolling Stock

- Two or four car Stadler Flirt Diesel/Battery are FRA compliant trains.
- Each train with one washroom carries around 235 passengers.
- Up to four - four car trains can be coupled together.
- All trains would have platform extenders to allow for level boarding and the ability for freight trains to pass through the station.
- Option: Alstom Cordia regional trains if they can be built to North American standards.



Stations

- A Horseshoe Bay Station is not included as the rail line is at least 25m above the ferry terminal and would be in a very secluded location presenting some safety issues. Access to the ferry terminal is by the #257 bus from the West Van Station.
- All stations platforms would be 250m long and expandible to 330m.
- The West Vancouver station would be built at 330m long initially.
- The West Van Station is close to the Park Royal Bus Exchange and future Skytrain Station.

Capital Cost

• 10 Stadler Flirt four car trains (8 trains running plus 2 spares)	\$150 Million
• West Vancouver Station (Two Island Platforms plus three tracks and switches)	\$10 Million
• Eighteen Station Platforms (Basic concrete and level boarding)	\$10 Million
• Upgraded Signalling (May require CBTC between West Vancouver and Whistler)	\$250 Million
• Maintenance and storage area at the Squamish rail yard	\$50 Million
• Upgrades to the rail line	Unknown

Annual Maintenance Cost

• Rail line from Squamish to 100 Mile House (353km)	\$35 Million
• Rail vehicle maintenance	\$4 Million
• Train drivers	<u>\$2 Million</u>
• Total Annual Cost	\$41 Million

Needed Commitments from CN

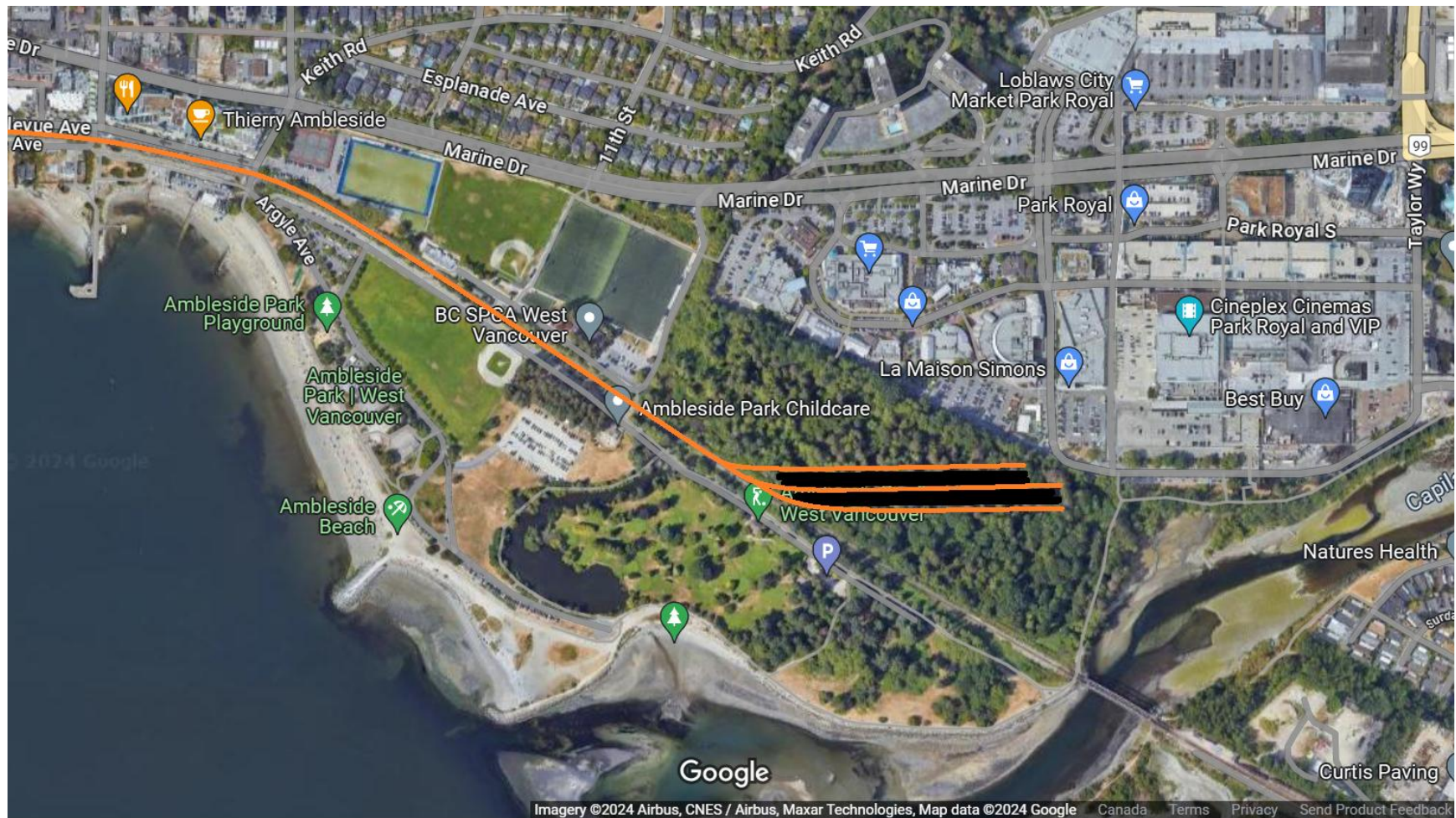
- CN would be required to oversee the control of all trains on the entire line from West Van to Prince George.
- CN would be required to maintain the entire rail line to a level for passenger rail service with the Province covering the cost of the section between Squamish and 100 Mile.
- CN would be required to give the passenger trains priority in the sections where their freight trains run.

Funding

- The annual maintenance cost would be covered by a five cent gasoline tax (Not on any other fuel) in the Regional Districts or communities along the rail line outside of Metro Vancouver.

West Vancouver (Park Royal)

- Platform 1-Lillooet Platform 2/3-Whistler Platform 4-Prince George Platforms at 330m long on the initial build.



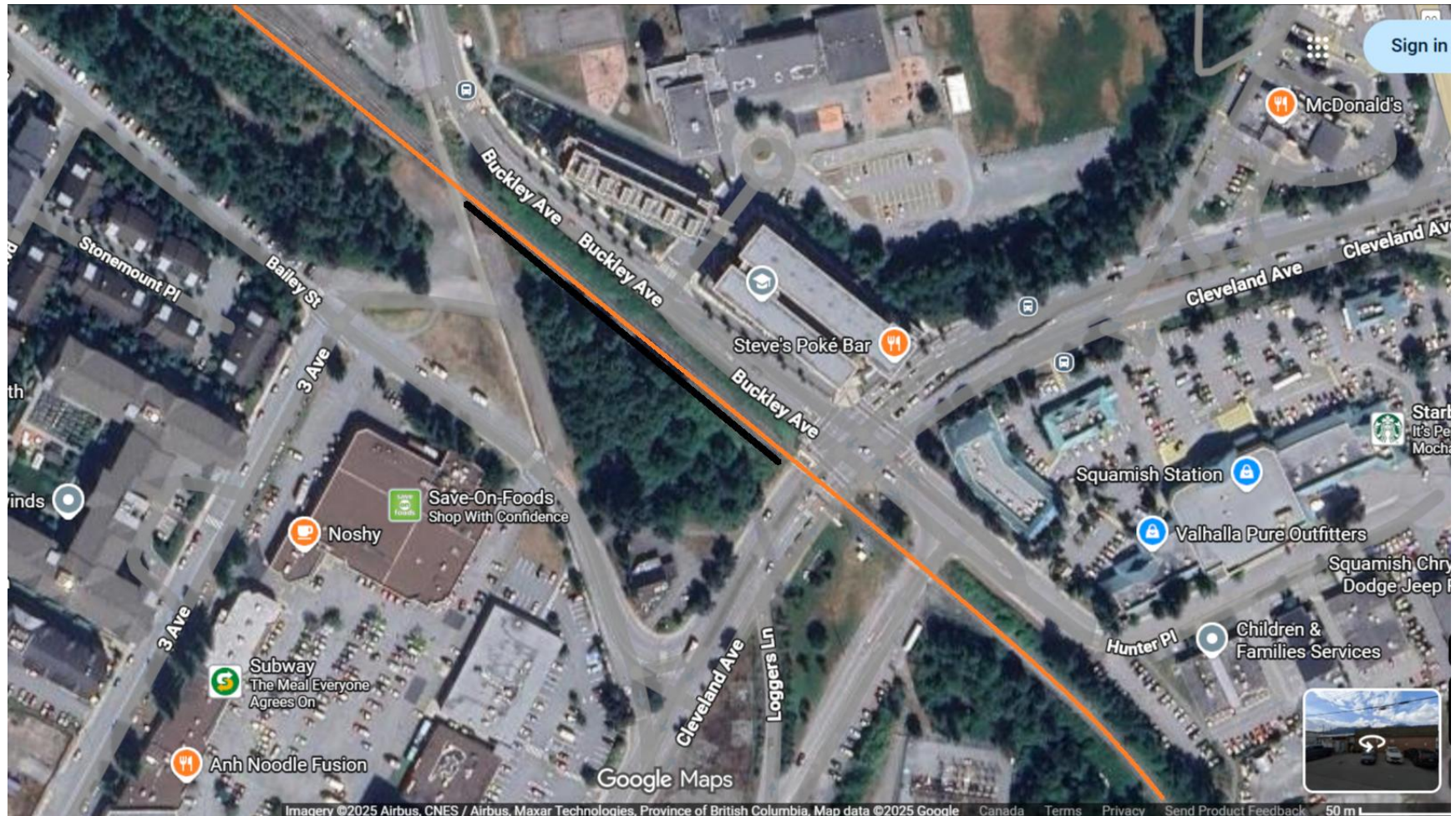
Lions Bay



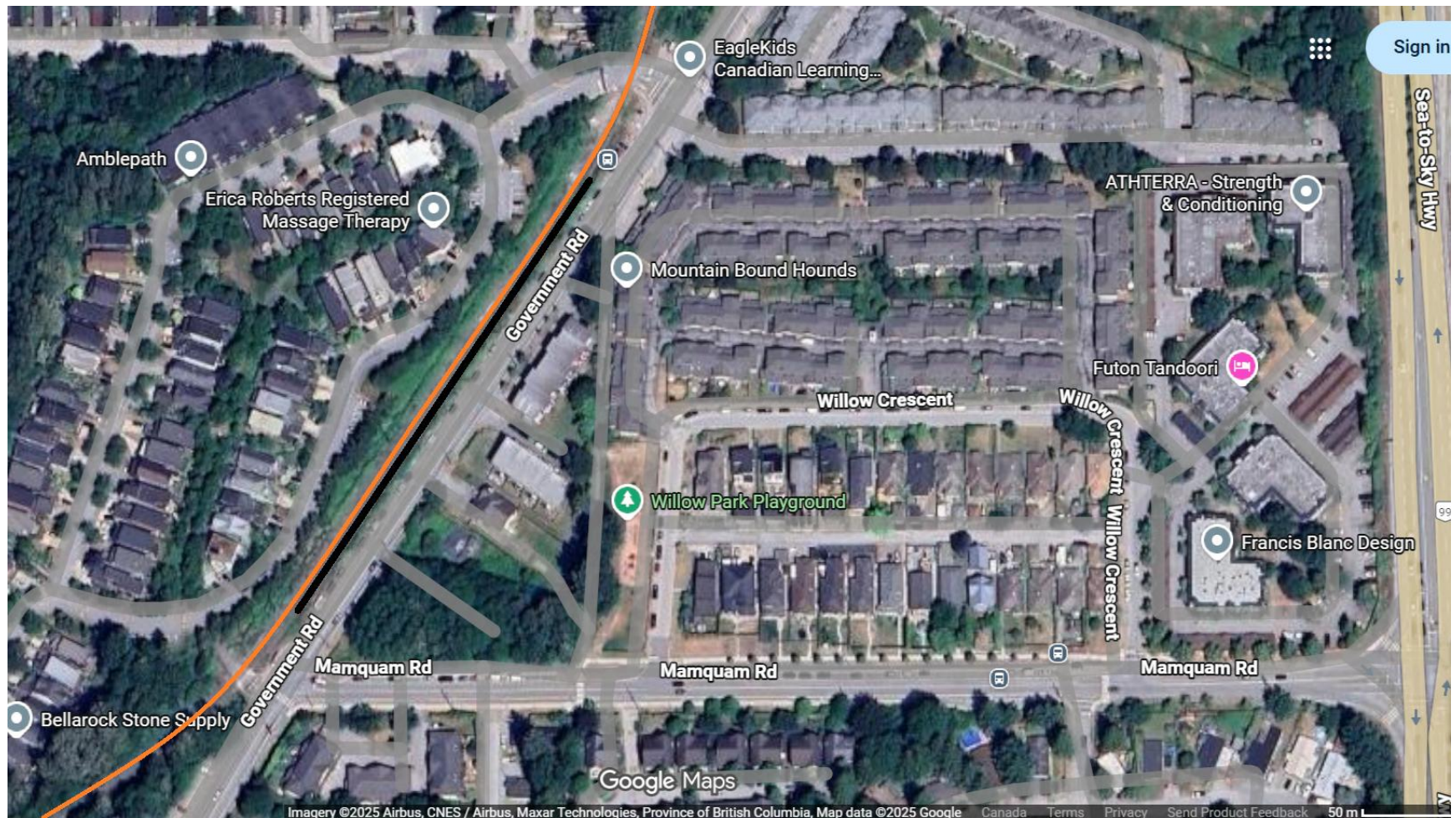
Britannia Beach



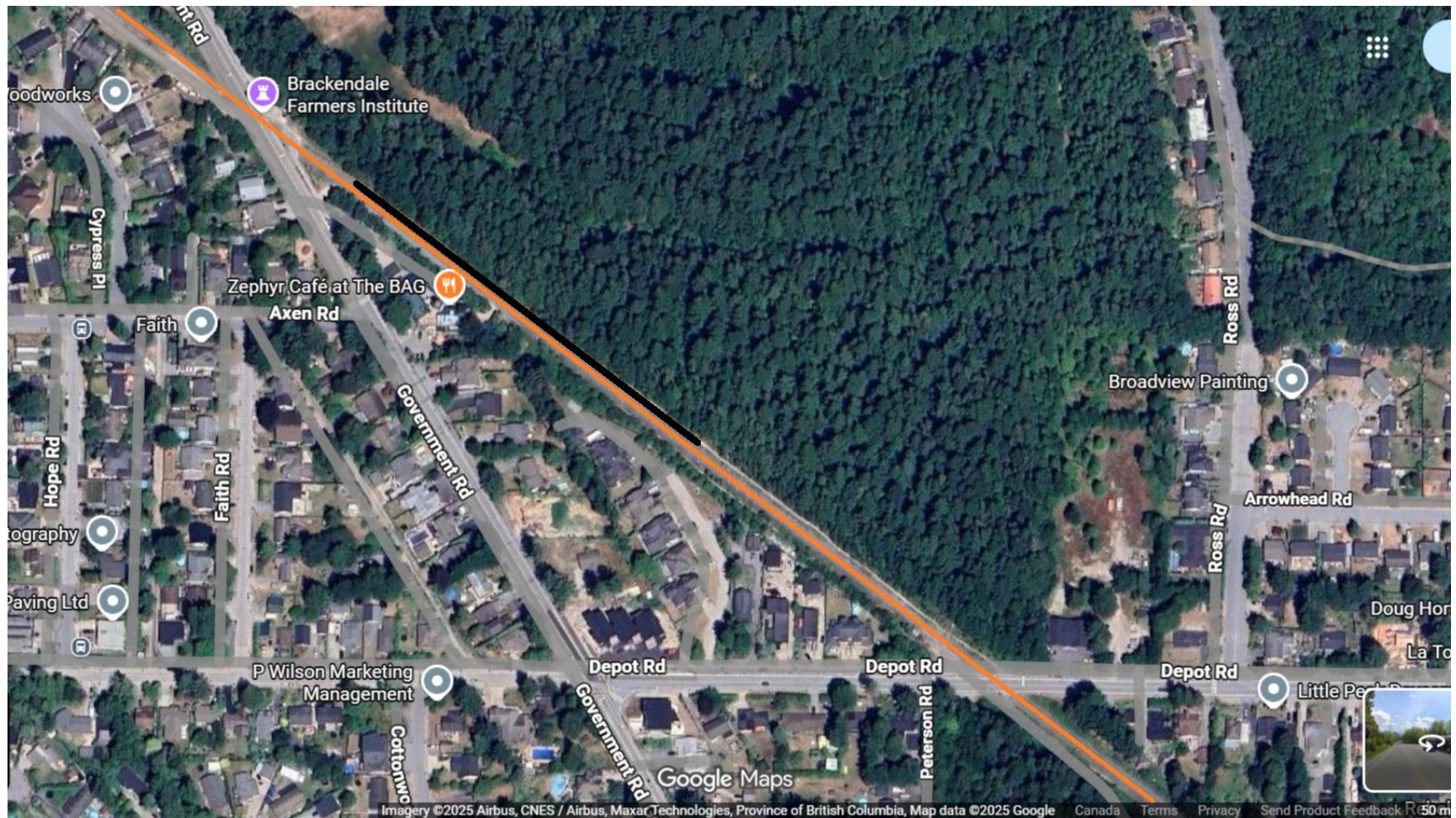
Squamish-Downtown



Squamish-Mamquam



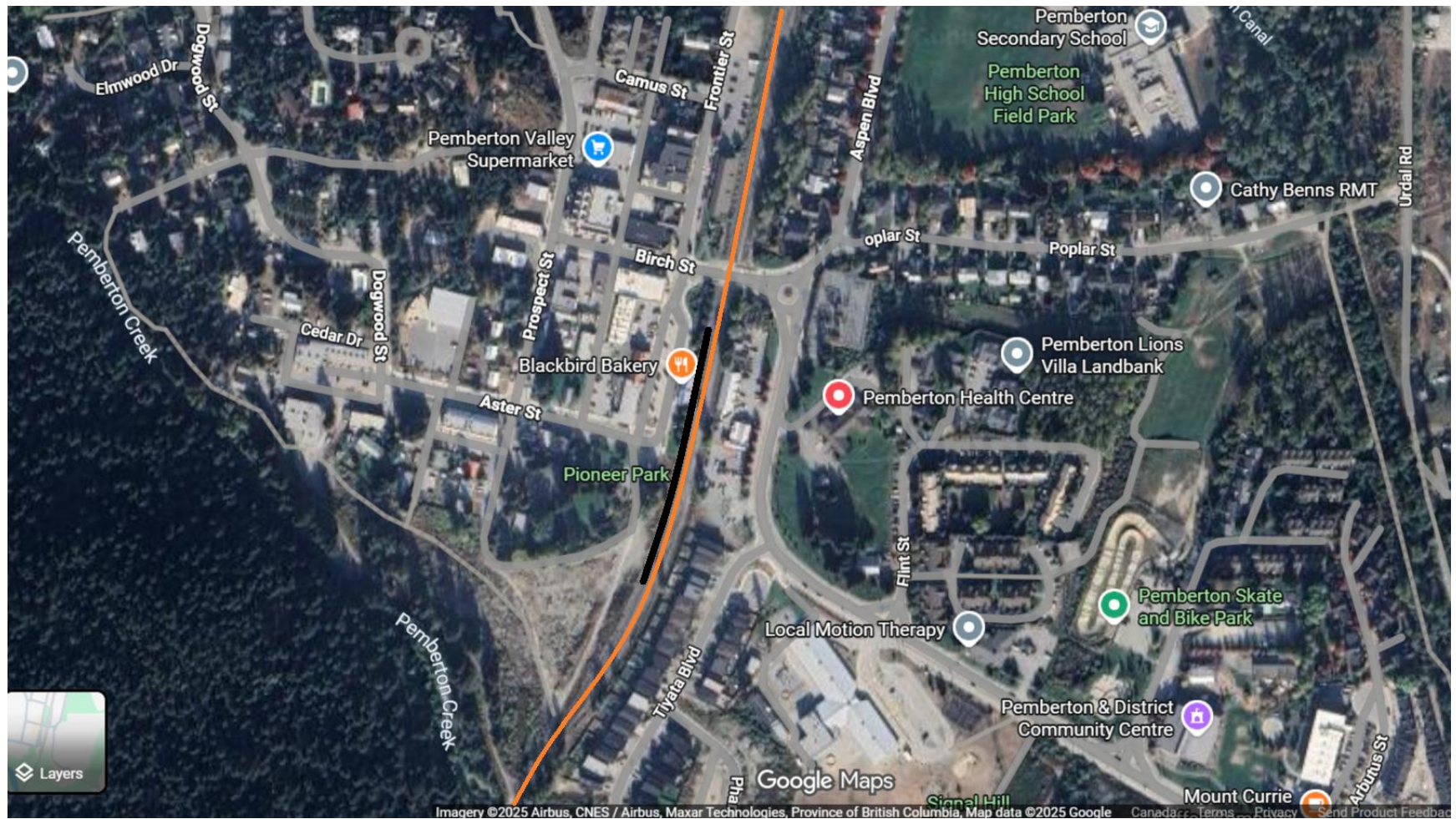
Squamish-Brackendale



Whistler Creekside



Pemberton



D'Arcy



Seaton Portage



Lillooet



Average Speed and Travel Time between Stations

- The average speed is a guesstimate at this time until further information is available.
- Any changes to the average speed will change the travel times of the trains.
- Total distance between West Vancouver and Prince George is 741km and the travel time is 752 minutes (12hr 32 minutes).

Northbound				
Station to Station		km	Minutes	Avg. Sp.
West Van	Lions Bay	25.7	31	50km/hr
Lions Bay	Britannia Beach	21	21	60km/hr
Britannia Beach	Squamish DT	11.6	12	60km/hr
Squamish DT	Squamish M	4.6	5	60km/hr
Squamish M	Squamish B	4.8	5	60km/hr
Squamish B	Whistler Crk	47.2	47	60km/hr
Whistler Crk	Pemberton	34.3	35	60km/hr
Pemberton	D'Arcy	45.2	47	60km/hr
D'Arcy	Seaton Portage	26.5	27	60km/hr

Northbound				
Station to Station		km	Minutes	Avg. Sp.
Seaton Portage	Lillooet	72.8	73	60km/hr
Lillooet	Clinton	72.8	73	60km/hr
Clinton	70 Mile House	32.5	33	60km/hr
70 Mile House	100 Mile House	58	58	60km/hr
100 Mile House	Lac la Hache	22.9	23	60km/hr
Lac la Hache	Williams Lake	65.1	65	60km/hr
Williams Lake	Quesnel	113.8	114	60km/hr
Quesnel	Hixon	64.4	65	60km/hr
Hixon	Prince George	61	61	60km/hr

Southbound				
Station to Station		km	Minutes	Avg. Sp.
Prince George	Hixon	61	61	60km/hr
Hixon	Quesnel	64.4	65	60km/hr
Quesnel	Williams Lake	113.8	114	60km/hr
Williams Lake	Lac la Hache	65.1	65	60km/hr
Lac la Hache	100 Mile House	22.9	23	60km/hr
100 Mile House	70 Mile House	58	58	60km/hr
70 Mile House	Clinton	32.5	33	60km/hr
Clinton	Lillooet	72.8	73	60km/hr
Lillooet	Seaton Portage	29.7	30	60km/hr

Southbound				
Station to Station		km	Minutes	Avg. Sp.
Seaton Portage	D'Arcy	26.5	27	60km/hr
D'Arcy	Pemberton	45.2	47	60km/hr
Pemberton	Whistler Crk	34.3	35	60km/hr
Whistler Crk	Squamish B	47.2	47	60km/hr
Squamish B	Squamish M	4.8	5	60km/hr
Squamish M	Squamish DT	4.6	5	60km/hr
Squamish DT	Britannia Beach	11.6	12	60km/hr
Britannia Beach	Lions Bay	21	21	60km/hr
Lions Bay	West Van	25.7	31	50km/hr

Train Schedule: Northbound

Northbound								
Train #	West Van	Squamish D	Squamish M	Squamish B	Whistler Crk	Pemberton	Lillooet	P.G.
1	*	06:04am	06:09am	06:14am	07:01am	*	*	*
2	*	07:04am	07:09am	07:14am	08:01am	*	*	*
PG7	07:00am	08:04am	08:09am	08:14am	09:01am	09:36am	11:20am	07:36pm
3	08:00am	09:04am	09:09am	09:14am	10:01am	*	*	*
4	09:00am	10:04am	10:09am	10:14am	11:01am	*	*	*
1	10:00am	11:04am	11:09am	11:14am	12:01pm	*	*	*
2	11:00am	12:04pm	12:09pm	12:14pm	01:01pm	*	*	*
3	01:00pm	02:04pm	02:09pm	02:14pm	03:01pm	*	*	*
4	02:00pm	03:04pm	03:09pm	03:14pm	04:01pm	*	*	*
1	03:00pm	04:04pm	04:09pm	04:14pm	*	*	*	*
2	04:00pm	05:04pm	05:09pm	05:14pm	*	*	*	*
L5	05:00pm	06:04pm	06:09pm	06:14pm	07:01pm	07:36pm	09:20pm	*

Train #	Start of Day
1,2,3,4	Squamish
L5,PG7	West Van
L6	Lillooet
PG8	Prince George

Train Schedule: Southbound

Southbound								
Train #	P.G.	Lillooet	Pemberton	Whistler Crk	Squamish B	Squamish M	Squamish D	West Van
3	*	*	*	*	06:17pm	06:22am	06:27pm	07:31am
4	*	*	*	*	07:17am	07:22am	07:27am	08:31am
1	*	*	*	07:30am	08:17am	08:22am	08:27am	09:31am
2	*	*	*	08:30am	09:17am	09:22am	09:27am	10:31am
L6	*	07:11am	08:55am	09:30am	10:17am	10:22am	10:27am	11:31am
3	*	*	*	10:30am	11:17am	11:22am	11:27am	12:31pm
4	*	*	*	11:30am	12:17pm	12:22pm	12:27pm	01:31pm
1	*	*	*	12:30am	01:17pm	01:22pm	01:27pm	02:31pm
2	*	*	*	01:30pm	02:17pm	02:22pm	02:27pm	03:31pm
3	*	*	*	03:30pm	04:17pm	04:22pm	04:27pm	*
4	*	*	*	04:30pm	05:17pm	05:22pm	05:27pm	*
PG8	06:55am	03:11pm	04:55pm	05:30pm	06:17pm	06:22pm	06:27pm	07:31pm

Train #	Start of Day
1,2,3,4	Squamish
L5,PG7	West Van
L6	Lillooet
PG8	Prince George

Fare Zones

Zone	1	2	3	4	
City	West Van	Britannia	Whistler	D'Arcy	Lillooet
	Lions Bay	Squamish	Pemberton	Seaton Portage	

Zone	5	6	7	8
City	Clinton	100 mile	Williams Lk	Hixon
	70 Mile	Lac la Hache	Quesnel	Prince George

Zones	1	2	3	4
Fares	\$3.00	\$6.00	\$12.00	\$24.00
Monthly Pass	\$90	\$140	\$190	*

Zones	5	6	7	8
Fares	\$36.00	\$48.00	\$60.00	\$72.00
Monthly Pass	*	*	*	*

Note: Children 12 years and under ride free. Children 5 years and under must be accompanied by someone 12 years and older.

Example: (Individual Ticket) Lillooet-West Van \$24.00 / Pemberton-Squamish \$6.00 / Squamish-West Van \$6.00

Disclaimer

The author is not a professional planner, consultant, or a member of any group. The options are an idea for a passenger rail service on the rail line from West Van to Prince George. The calculations are as accurate as possible based on information available online.