

South Fraser Community Rail – Actual Cost Comparison of Options!

“Hydrogen Passenger Rail, Pattullo Bridge to Chilliwack” #connect the valley

Status and future of Transit South of the Fraser?

Lets start by looking at the recently approved Transit Projects, the distance and the cost for Surrey LRT, and the Broadway subway corridor.

IMPORTANT NOTE RE COSTS: The following costs were identified in 2016 (dramatically increased over 2012 estimates), costs are expected to increase dramatically over the following 2016 estimates due primarily to land costs as per statements from Translink. We are using their numbers!

Read More....

Approved

Surrey LRT (Now on Hold)

<u>Line</u>	<u>Expo</u>	<u>Millen. Line</u>	<u>Can. Line</u>	<u>Everg. Line</u>
Length of Surrey Newton / Guildford	21.4kms	20.5kms	19.2kms	11.0kms
April 30 th , 2018 final proj. cost estimate	\$1,650,000,000. (Billion\$)			
Cost per KM	\$74.8M	\$70.4M	\$111M	\$127M
NOTE – Significant Land cost per Translink	(All costs are in 2012 dollars)			

Broadway Millenium Line extension to Arbutus

Length of Broadway project	<u>5.8 KMs</u>
April 30 th 2018 projected cost	\$2,830,000,000. (Billion\$)
Cost per KM	<u>\$487,931,034. Per KM!</u>
NOTE – Significant Land cost per Translink	

Projected Addition Broadway to UBC

Length of Broadway to UBC	<u>7 KMs</u>
2018 estimated cost (2023 est. higher)	\$3,000,000,000. (Billion \$)
Cost per KM	<u>\$428,571,428. Per KM!</u>

Projected Phase 2 (ON HOLD)

Surrey Center to Langley City (Est. based on current Surrey LRT, 2024 cost much higher)

Length of line Surrey Center to Langley City	<u>16.6 KMs</u>
2016 Est. cost <u>based on</u> Surrey Newton / Guild.	\$2,608,571,426. (Billion\$) LRT
Cost per KM	<u>\$157,142,857. Per KM! LRT</u>
2 KMs through ALR (No population)	
NOTE – Significant Land cost per Translink	

NEW Surrey Center to Langley City Skytrain (based on additional cost to above)

Length of line Surrey Center to Langley City	<u>16.6 KMs</u>
2016 Est. cost based on Surrey Newton / Guild.	\$3,400,000,000 (Billion\$)
Cost per KM	<u>\$204,819,277. Per KM!</u>
2 KMs through ALR (No population)	
<u>Funding approved</u>	<u>\$1,600,000,000</u>

- **Shortfall** **\$1,800,000,000**

NOTE – Significant land cost per Translink

OR

- **“OUR PROPOSAL” – 7.9% the cost per KM of Surrey to Langley LRT**
- **6% of the cost per KM of Surrey to Langley Skytrain (Minimum)**
- **20.23% of the cost per capita of Surrey LRT”**
- **16% of the cost per capita of Surrey Skytrain**

**South of Fraser passenger Rail Corridor Patullo Bridge
(Surrey) to Chilliwack**

- Length of line Patullo Bridge to Chilliwack **“99.23 KMs”**
 - 2010 Estimated Cost (Crossings/Rail upgrade, state of the art Rolling stock, stations) – in 2023 dollars **\$1,240,375,000.**
 - Cost per KM **\$12,500,000. KM!**
- NOTE – NO land cost - Passenger Rail Corridor protected at no cost!

Per capita servicing costs based on catchment areas

Approved (ON HOLD)

- **Surrey LRT**
 - Population of Surrey Newton / Whalley / Guildford 300,910
 - April 30th 2018 estimated cost \$1,650,000,000.
 - **Cost per Capita** **\$5,483**

Projected Phase 3

- **Surrey Center to Langley City LRT (Estimate based on Surrey LRT costs)**
 - Population of Langley City / Willoughby / Clayton / Brookwood, Murrayville & Surrey less S. Surrey. 510,698
 - April 30th 2018 estimated cost \$2,608,571,426. Using Surrey LRT numbers.
 - **Cost per capita** **\$5,107.85**
- **Surrey Center to Langley City Skytrain (Estimate based on Surrey LRT costs)**
 - Estimated Cost 3,400,000,000
 - **Cost per capita** **\$6,657.55**

“Our Proposal”

- **State of the Art South of Fraser Passenger Rail Corridor**
 - Population of area Patullo Bridge to Chilliwack 1,200,000

- Based on 2010 Leewood projected cost plus inflation \$1,240,375,000.
- Cost per capita **\$1,033.64**
- Does not include servicing 7 University Campuses, Abbotsford International Airport (677,000 passengers Annually), agri-tourism and Industrial Parks.