## Cascadia High Speed Rail Corridor Between Seattle, WA and Vancouver, BC



# Legend



CHSR Station in Tunnel

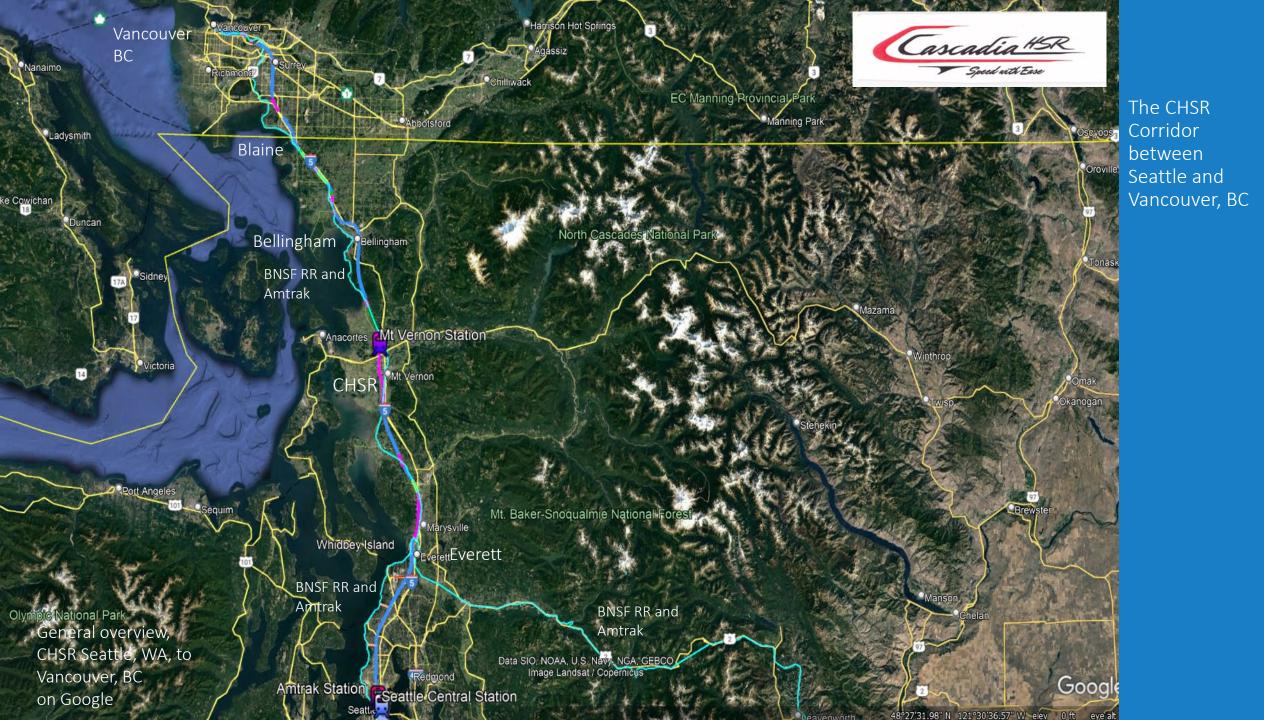


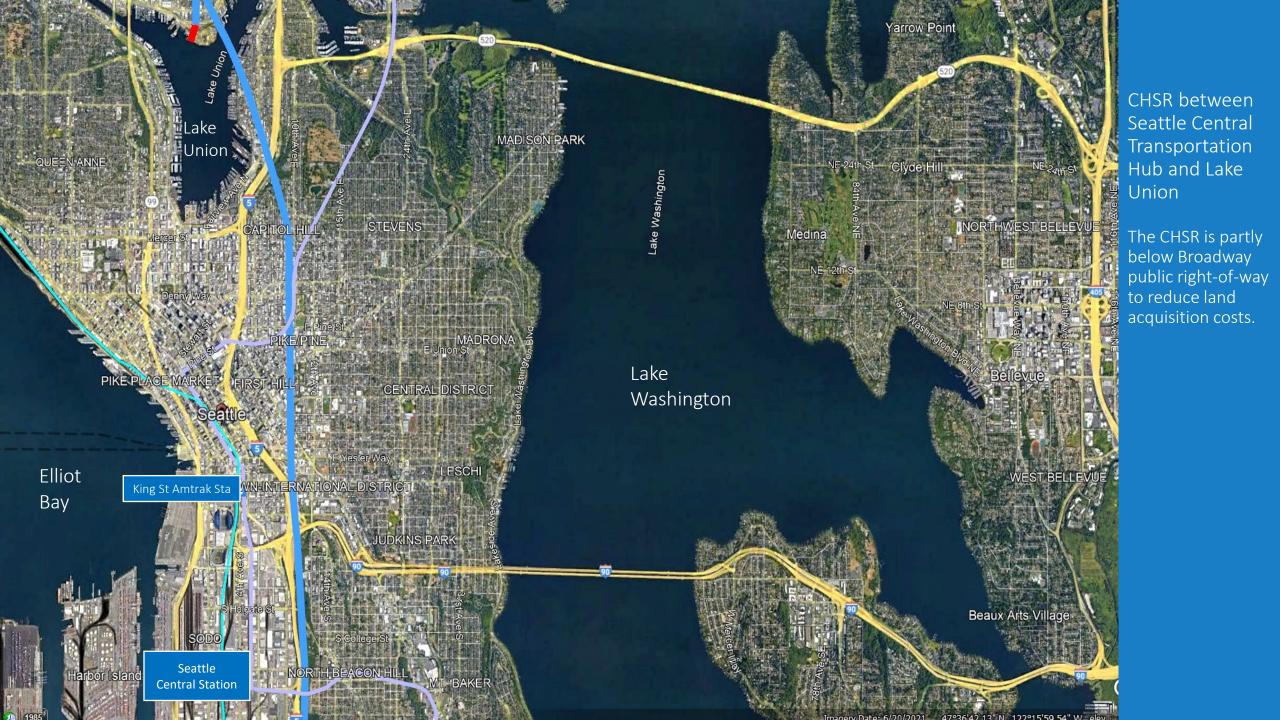
CHSR Station on Flyovers

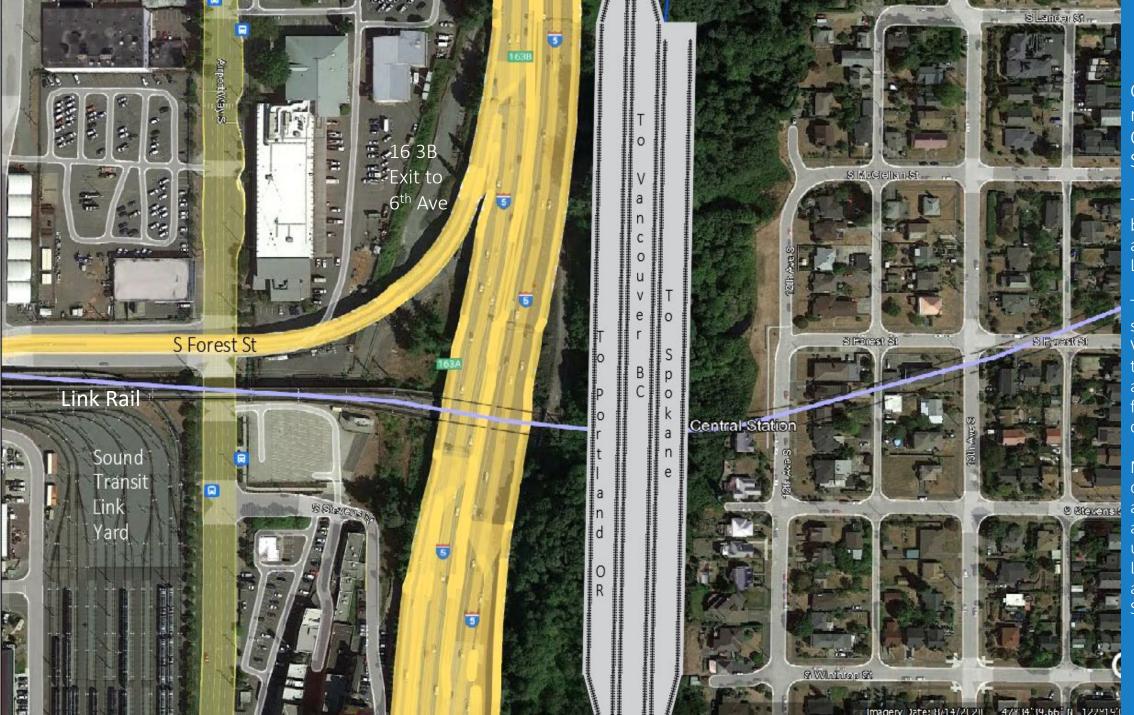


CHSR Station on Ground

	On ground Cuts Fills
	Flyovers Tunnels
	Existing Freight Railroads, other than BNSF and UP RR
	Existing Freight Railroads
	C-ICE: Cascadia Inter-City Express
	CCE: Cascadia Commuter Express
HSR Legend 08 Des by RN/BCP	







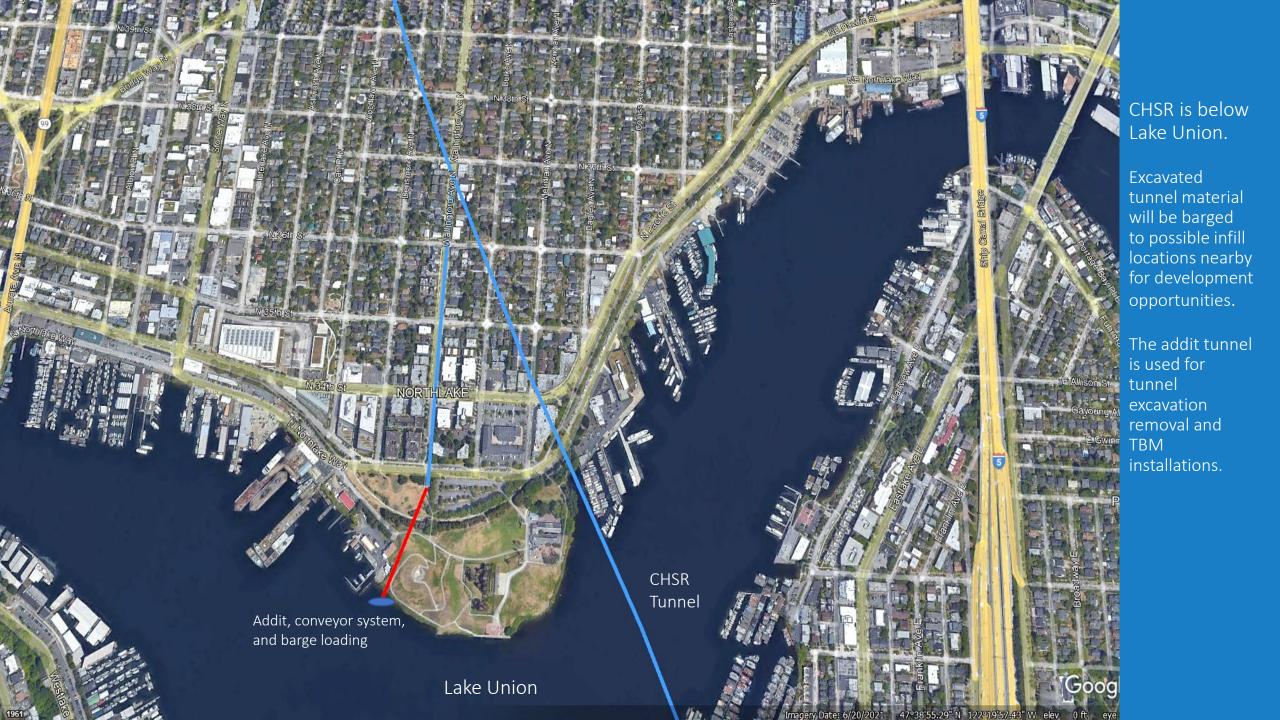
CHSR at the new Seattle Central Station

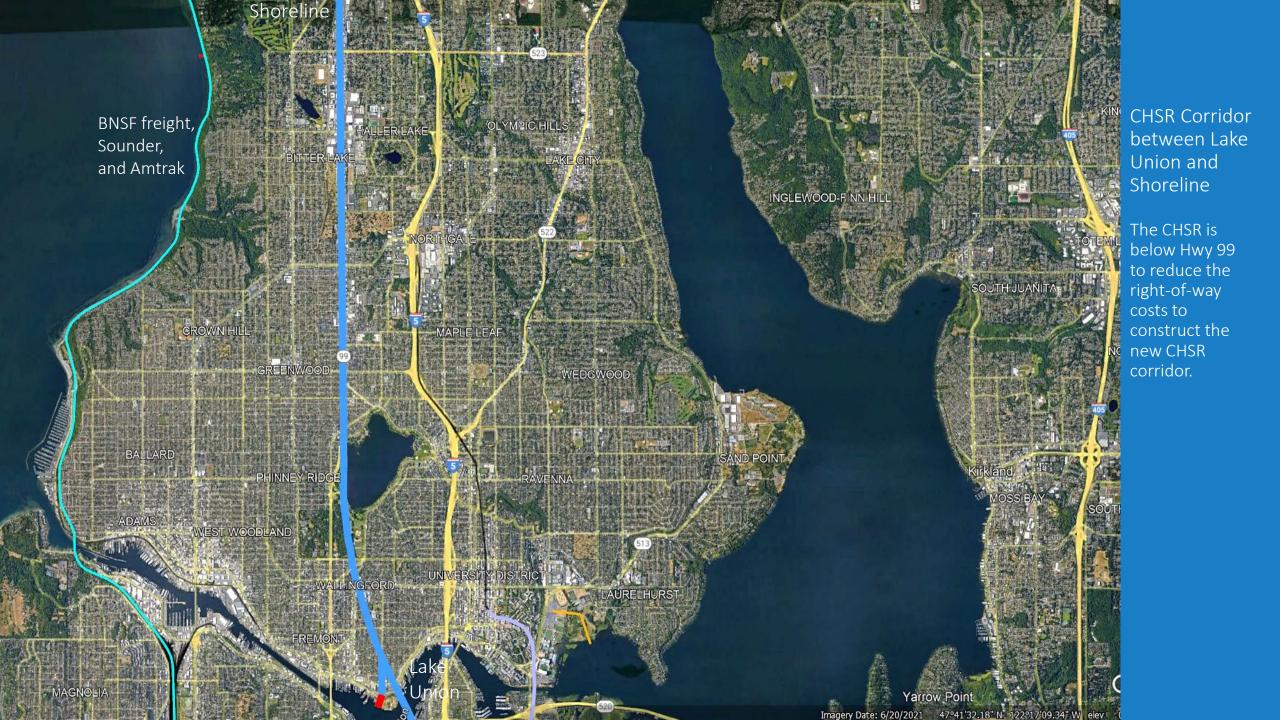
This station is below ground and above the Link-Rail Line.

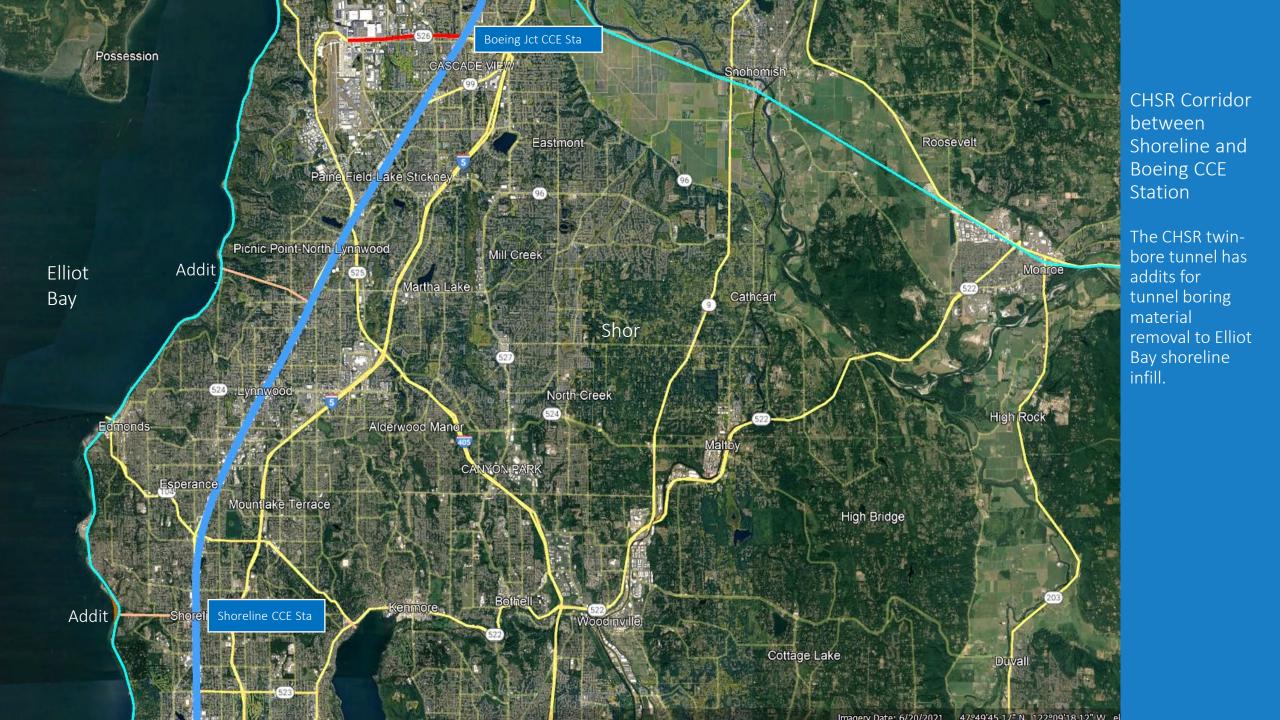
The station has six tracks; two to Vancouver, BC, two to Portland, and two for a future Spokane connection.

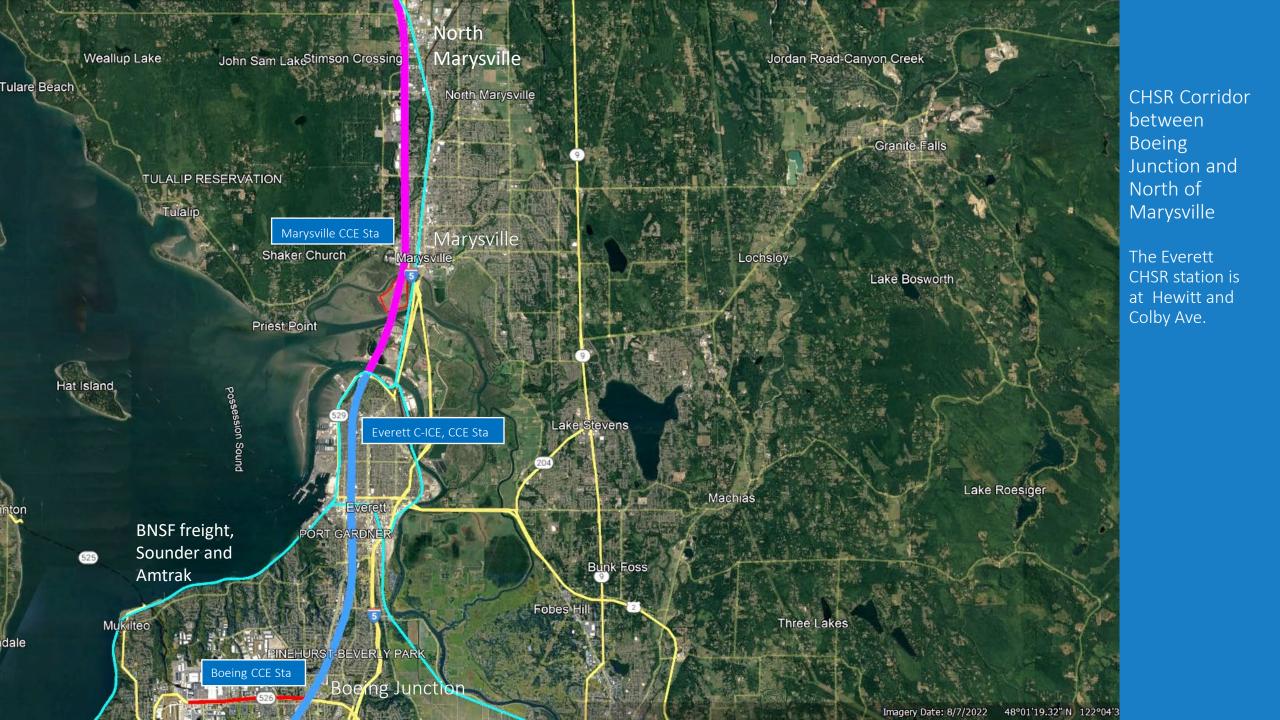
Mixed-use development and parking are above the new underground Link Rail Station and CHSR Station.











Possible additional Tracks

One car

wash track

CHSR

Eight train storage tracks

Ebey Slough

CHSR Everett Yard is on in-fill

CHSR yard spur

Steamboat Slough

Steamboat Slough

Access Rd Two train service tracks Storage Buildings

Kordholm Companies Inc

eacrest Marina

HSR Everett\_02a

IN West Ectuary

Imagery Date: 8/15/2020 43°02'45.83" N 122°12'14.61" W elev 0 R eve

Google E

CHSR Corridor at the North Everett Maintenance Yard

Aarysville

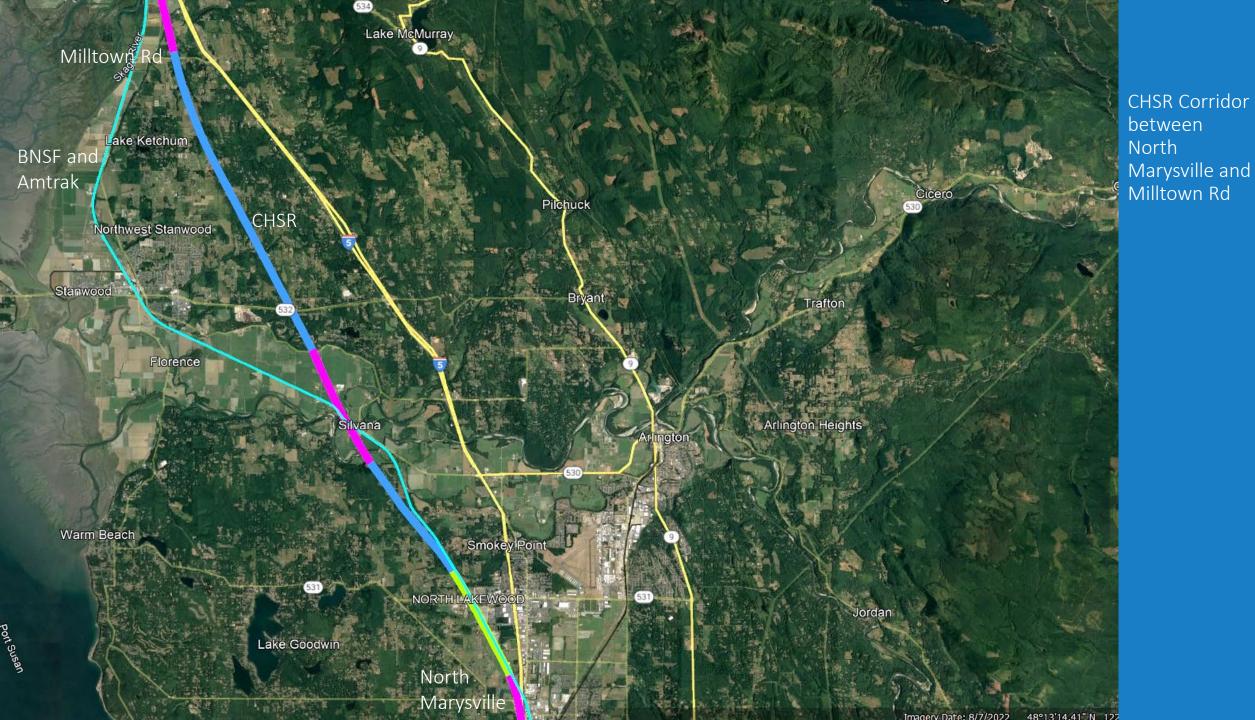
The 154-acre yard is on compacted infill from the tunnel excavation.

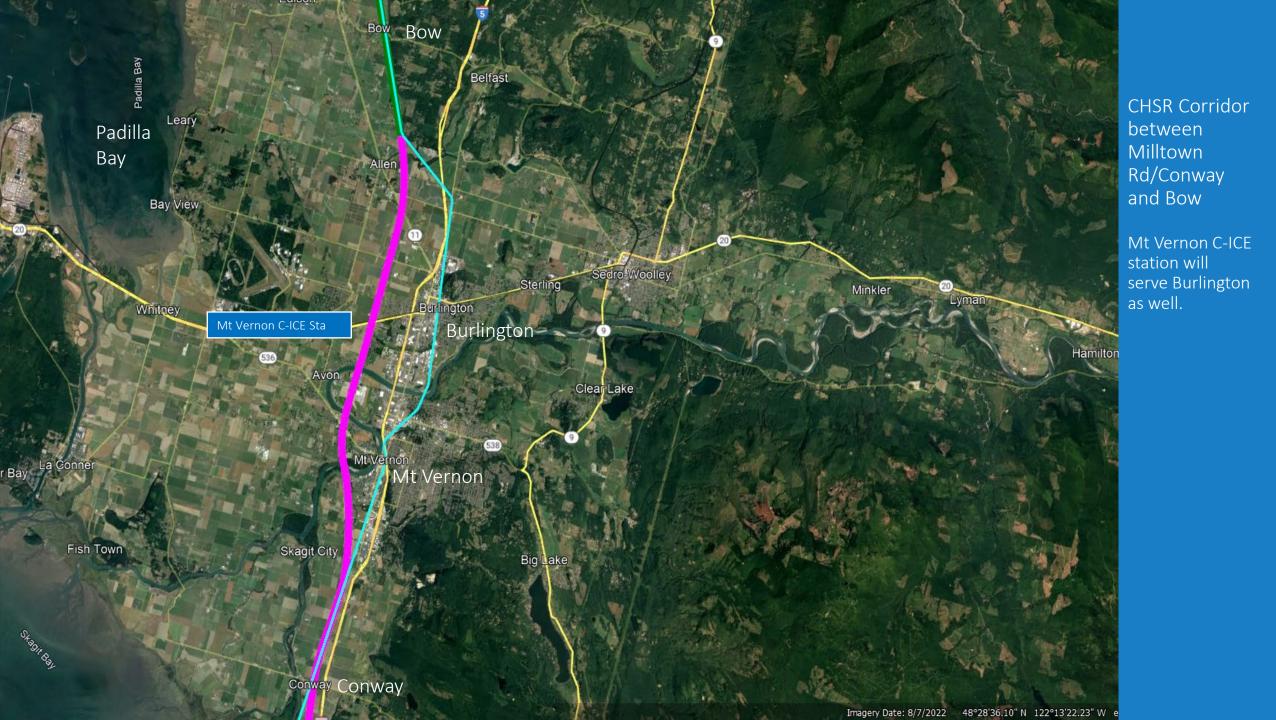
The train storage tracks are 2600 feet long. The train service and carwash tracks are up to 1500 feet long. All yard tracks are below the CHSR flyover.

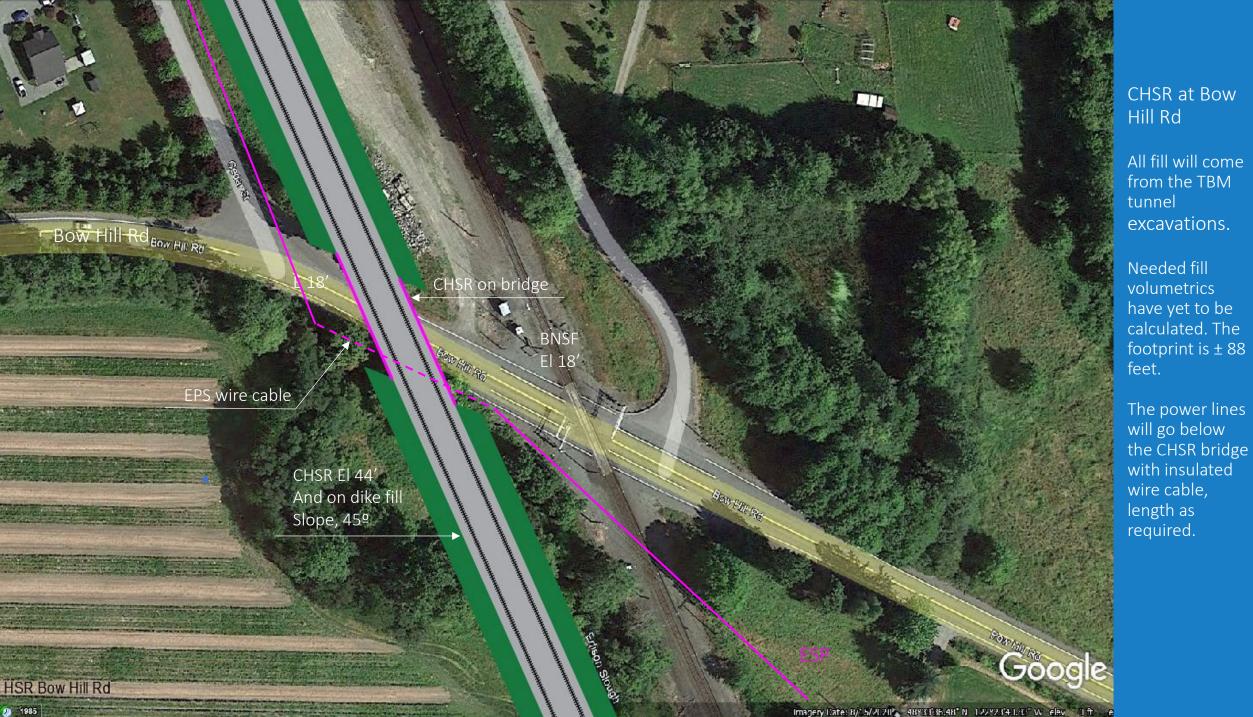
Modified access to the yard is from Hwy 529.

The CHSR Company has the profile drawings.

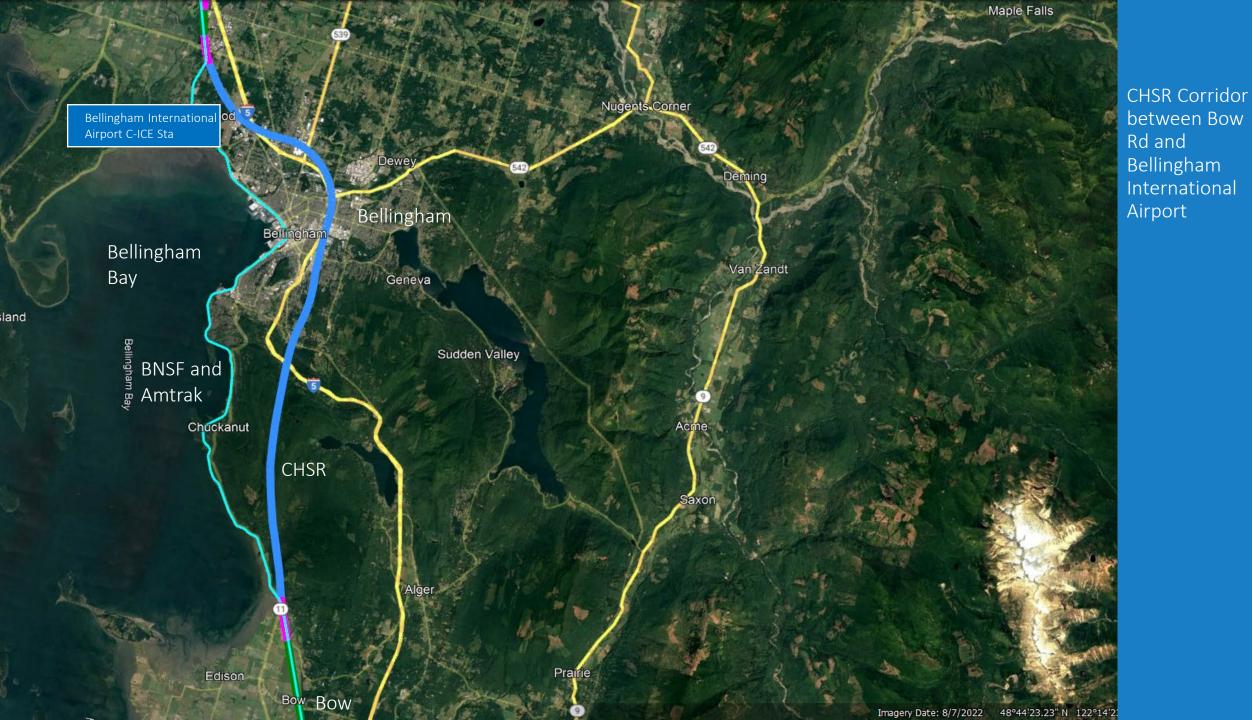
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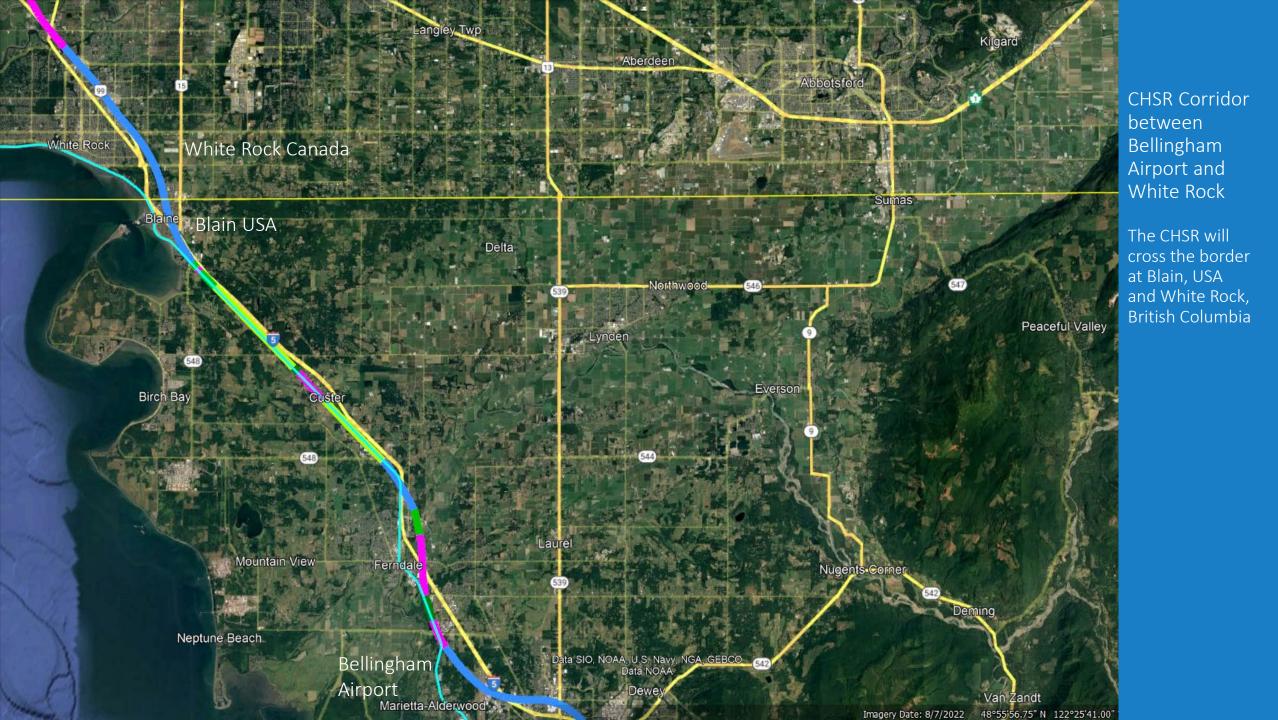




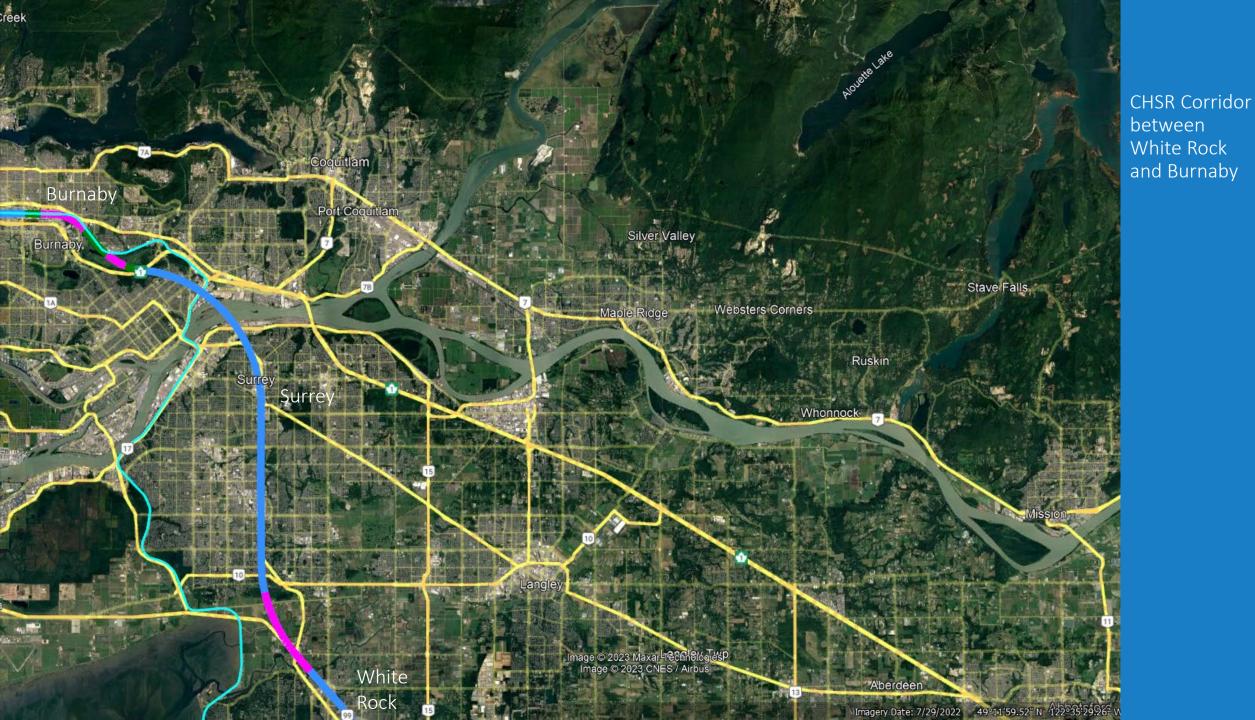
Imagery Date: 8/15/2020 48/33/36.48" N 122/23/40.48" W elev 0 ft e

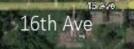












CHSR Station below Ground

Tergits Class

## White Rock, BC

DAV

101-

8 AND

16 Ave

a Ave

1.R AWA

CHSR train storage and service facilities.

2 Ave

- Silver



The White Rock Station is only for Canadian commuter train stops. Train storage and service facilities are needed for the Canadian system.

International CHSR trains do not stop here.

Ferguson Creek can easily be rerouted for the service facility.

how my Duby: 6/17/2010 40901/05 071 N 1/22945 28(60%/2) where \_0.11 \_\_\_\_\_\_

8<sup>th</sup> Ave

White Rock BC\_02

Google Ea

Hollend Guns Halland Gnuts

Surface levation 265

King George Blvd

Underground CHSR terminal and secure port of entry. There are three tracks at this station with spacious platforms and plenty room for mmigration processing. CHSR elevation is at 85'

King George Elwo

King George rain Miking Georg Station

CHSR and King George Sky Train Station at Surrey, BC

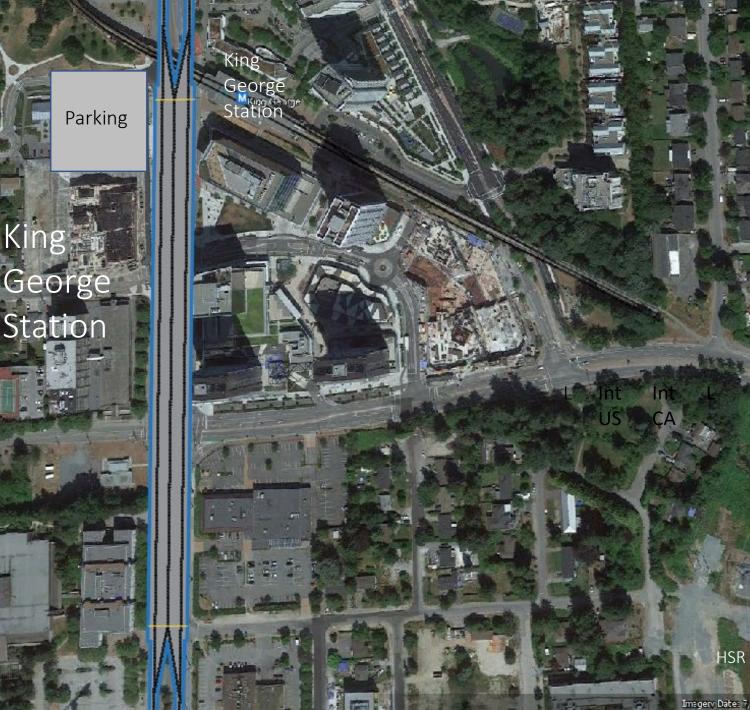
The Surrey CHSR station will connect to the Sky Train station.

The CHSR station is below ground, allowing secure border crossing for passengers.

Passengers with improper documentation must return to the point of origin.

Establish agreements for border control personnel to work at this Google Ear locality.

Imagery Date: //29/2022 49"10'58.10" N 122"50'43.27" Wileley Ulft levelab 3/4



CHSR Corridor Terminates and Sky Train Begins at Surrey, BC

The C-ICE, CCE Station is below ground. The center track platform is for international transit, and the outer track platforms (L) are for local trains between Pacific Central Station and White Rock.

Red lines are walls to prevent any border crossings.

HSR Everett\_26cc

Imagery Date: 7/29/2022 49/10/51.34" N 122/50/32.42" W elev

Int track to CA

King George Station Northside

e ide

> Int track to US

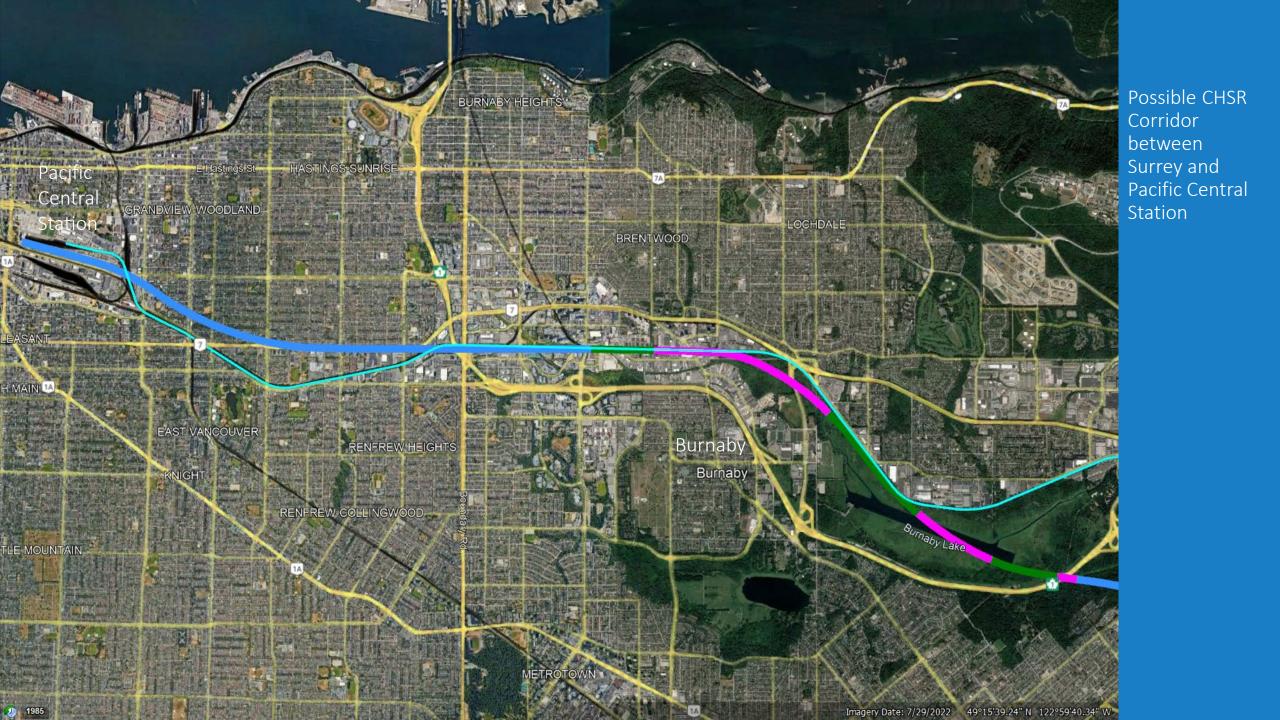
King George Station

HSR Everett\_26cc

CHSR Corridor Terminates and Sky Train Begins at Surrey, BC

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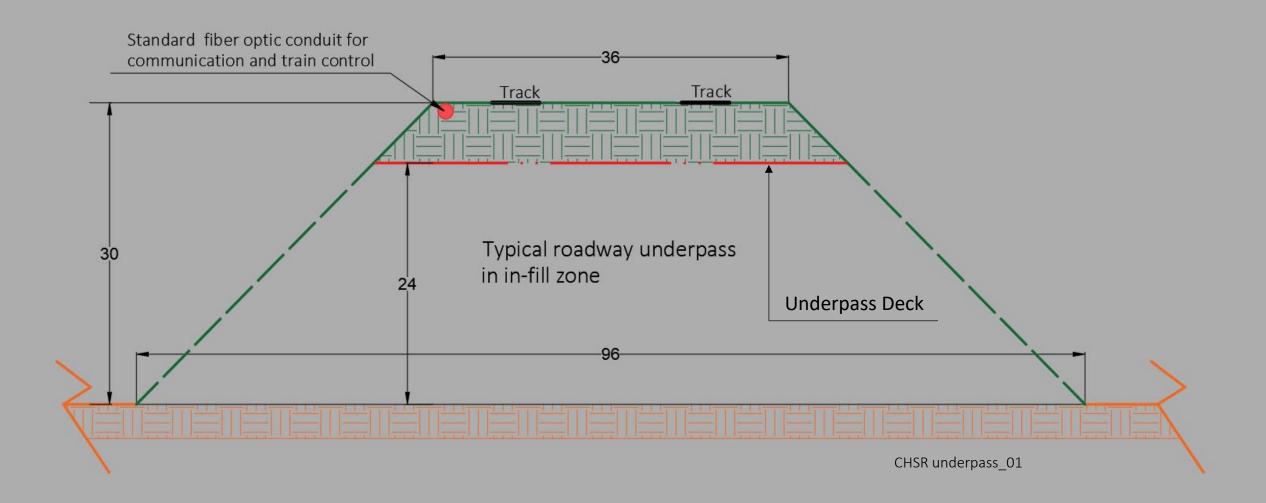
Red lines are walls to prevent any border crossings. Boarding and deboarding can be on both sides of the trains at this station.







This is a typical illustration of roadway underpass arrangements along the CHSR corridor where we have in-fills. In-fills will work as tunnel excavation material deposits. This underpass has a 24-foot clearance with a deck height of 6 feet which is enough to cross a 54' broad highway. Also, note the communication conduit along all the CHSR corridor lines.



### Seattle Central CHSR Station to Vancouver BC Pacific Central CHSR Station Mileage and Times Number one = Priority, Number Two = Secondary Stops

Station to Station	CHSR Corridor Milage	Estimated Travel Time
Seattle Central-Shoreline # 1	12.48 miles	10 minutes
Shoreline-Boeing # 2	13.19 miles	11 minutes
Boeing-Everett # 2	3.30 miles	5 minutes
Everett-Marysville # 2	3.30 miles	5 minutes
Marysville-Mt Vernon # 2	28.57 miles	16 minutes
Mt Vernon-Bellingham Airport # 1	32.78 miles	17 minutes
Bellingham Airport-US Border # 2	17.78 miles	11 minutes
US Border-Surrey King George Sta # 1	14.21 miles	11 minutes
King George Sta-Pacific Central Sta # 2	14.30 miles	12 minutes

Transportation Mode Comparison	Stop to Stop	Estimated Travel Time	
157 miles (Amtrak)	Seattle King Sta-Vancouver Pacific	4 Hr 20 minutes	
	Central Sta		
142.6 miles (Autos/Buses)	Seattle-Vancouver BC	2 Hr 53 minutes	
139.91 miles (CHSR)	Seattle Central Sta-Vancouver Pacific	49 minutes, one-stop (Bellingham)	
	Central Sta		

CHSR Corridor Milage Seattle, WA to Vancouver, BC (MS Word)

#### CHSR Miles between Seattle Central and Vancouver, BC

On Ground	Cut/Fill	Flyover or Bridges	Tunnel or Underpass
2.36 Mi SV 009 BNSF	4.33 Mi SV 014 BNSF	5.10 Mi SV 007 I-5 *	5.24 Mi SV 001 new
2.59 Mi SV 024 BNSF	0.76 Mi SV 021 BNSF *	4.43 Mi SV_008 I-5 *	
3.35 Mi SV_027 BNSF		2.53 Mi SV 011 new	6.79 Mi SV_004 Hwy 99
			6.40 Mi SV_005 Evergreen
			Hwy
	1.78 Mi SV_022 new	15.30 Mi SV_013 new	6.59 Mi SV_006 new
	0.41 Mi SV_023 new	1.30 Mi SV_015 BNSF	2.69 Mi SV_010 new
	0.21 Mi SV_026 BNSF	0.87 Mi SV_020 BNSF *	6.56 Mi SV_012 new
	0.62 Mi SV_028 BNSF	1.00 Mi SV_025 BNSF	8.31 Mi SV_016 new
		0.14 Mi SV_029 BNSF	5.85 Mi SV_017 I-5 *
			1.79 Mi SV_018
			W Bakerview Rd
			1.68 Mi SV_019 new
			2.00 Mi SV_024 new *
	0.21 Mi SV_030 Peace		
	Portal Dr		
		2.72 Mi SV_035 new *	2.10 Mi SV_031 new US
			2.96 Mi SV_032 new BC
			1.51 Mi SV_033 Hwy 99
			1.25 Mi SV_034 Hwy 99
			5.67 Mi SV_036 K George
8.30 Miles 6.66%	8.32 Miles 6.67%	33.39 Miles 26.79%	74.63 Miles HSR 59.89%
			124.64 Miles Total CHSR
			128 Miles Total Amtrak
0.51 Mi SV_039 new	1.13 Mi SV_041 C Nat.	0.15 Mi SV_038 new	5.55 Mi SV_037 new
	0.48 Mi SV_043 C Nat.	0.65 Mi SV_040 new	2.15 Mi SV_044 C Nat. +
		1.45 Mi SV_042 new	2.33 Mi SV_045 new
0.51 Miles to PC Station	1.61 Miles to PC Station	2.25 Miles to PC Station	10.03 Miles to PC Station
			14.40 Miles total
			139.04 Miles to PC Sta.
			157 Miles Total Amtrak

New and existing Right of Way (RoW) declaration.

60.87 miles in a new corridor, USA and Canada	78.17 miles in an existing right of way, BNSF, or Hwy	
43.79 % of this CHSR RoW must be acquired	56.23 % may be shared	
Tunnel miles may be excluded from the RoW purchase.		

\* = Some deviation, as some miles are aside from the named corridor segment.

The upper columns indicate the miles from Seattle Central to the Surrey King George Sky Train Station.

The lower columns indicate the miles from Surrey King George Station to the Vancouver Pacific Central Station.