Cascadia High Speed Rail Corridor

Between Eugene, OR and Portland, OR

Legend

CHSR Station in Tunnel

CHSR Station on Flyovers

CHSR Station on Ground

On ground

Cuts

Fills

Flyovers

Tunnels

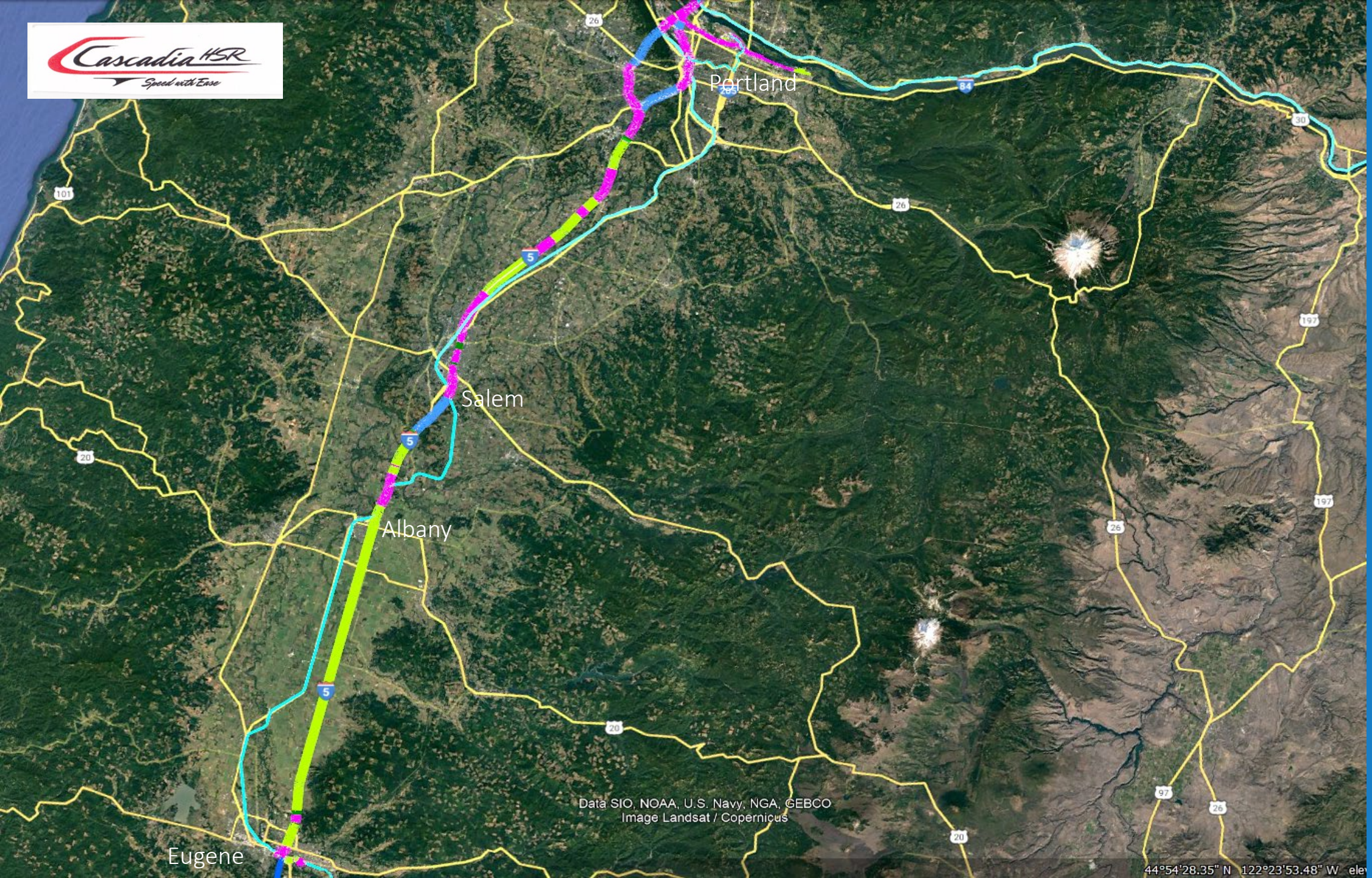
Existing Freight Railroads, other than BNSF and UP RR

Existing Freight Railroads

C-ICE: Cascadia Inter-City Express

CCE: Cascadia Commuter Express

HSR Legend 08
Des by RN/BCP



Existing Union Pacific RR/Amtrak and Proposed CHSR Corridor

Amtrak uses UPRR freight tracks that are unsuitable for high speed rail. UPRR/Amtrak corridor is 123 miles; the CHSR is 13 miles shorter, which reduces CO_2 emissions, energy use, and maintenance costs.

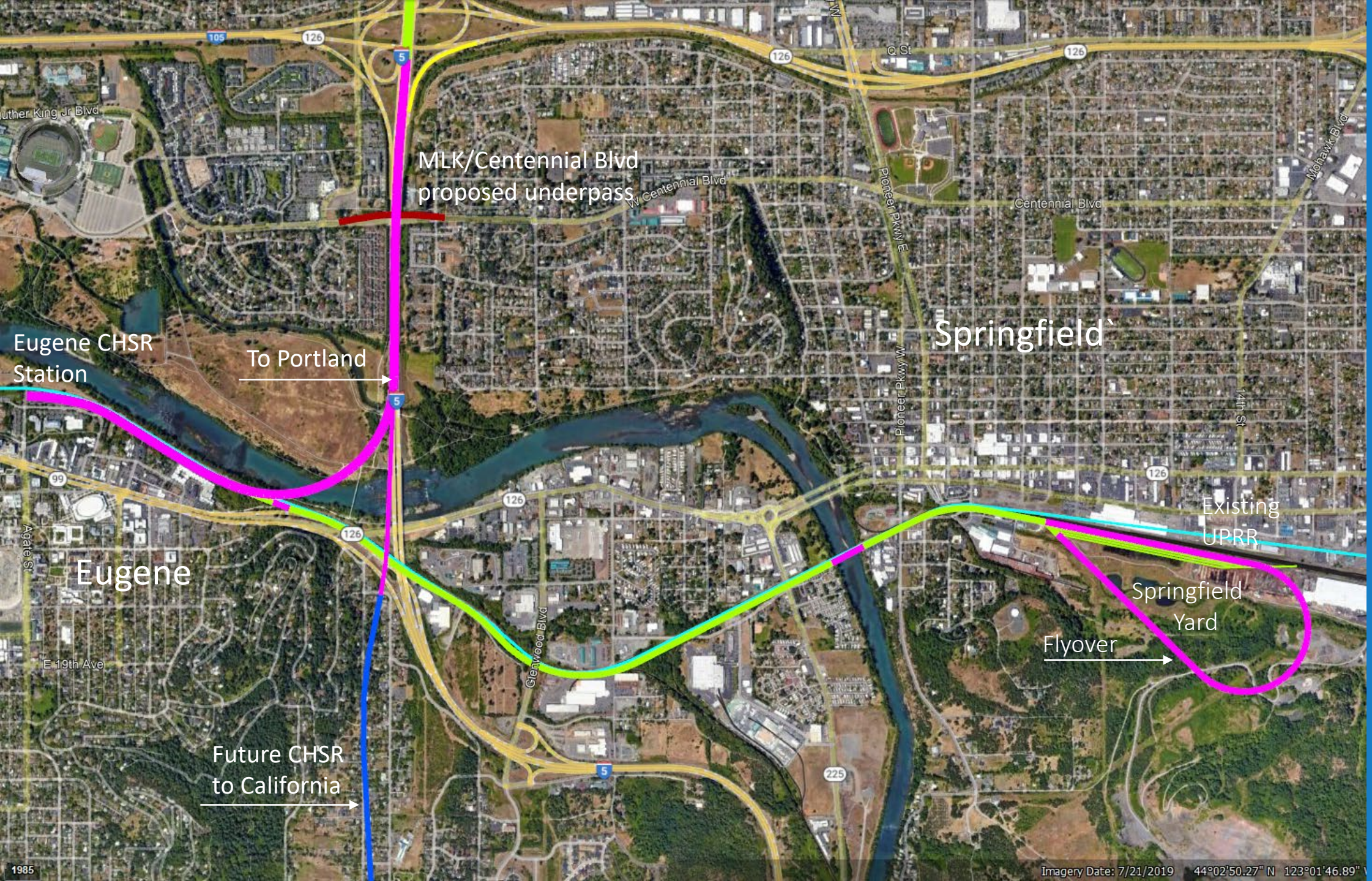
All CHSR corridors are double-tracked and electrified with the catenary above.

Cascadia Inter-City Express (C-ICE) Station in Eugene

The three CHSR tracks are elevated above the existing parking lot.

The Eugene station will become the terminus for the Amtrak Starlight, serviced at the, Springfield Yard, then return to California on the same day.

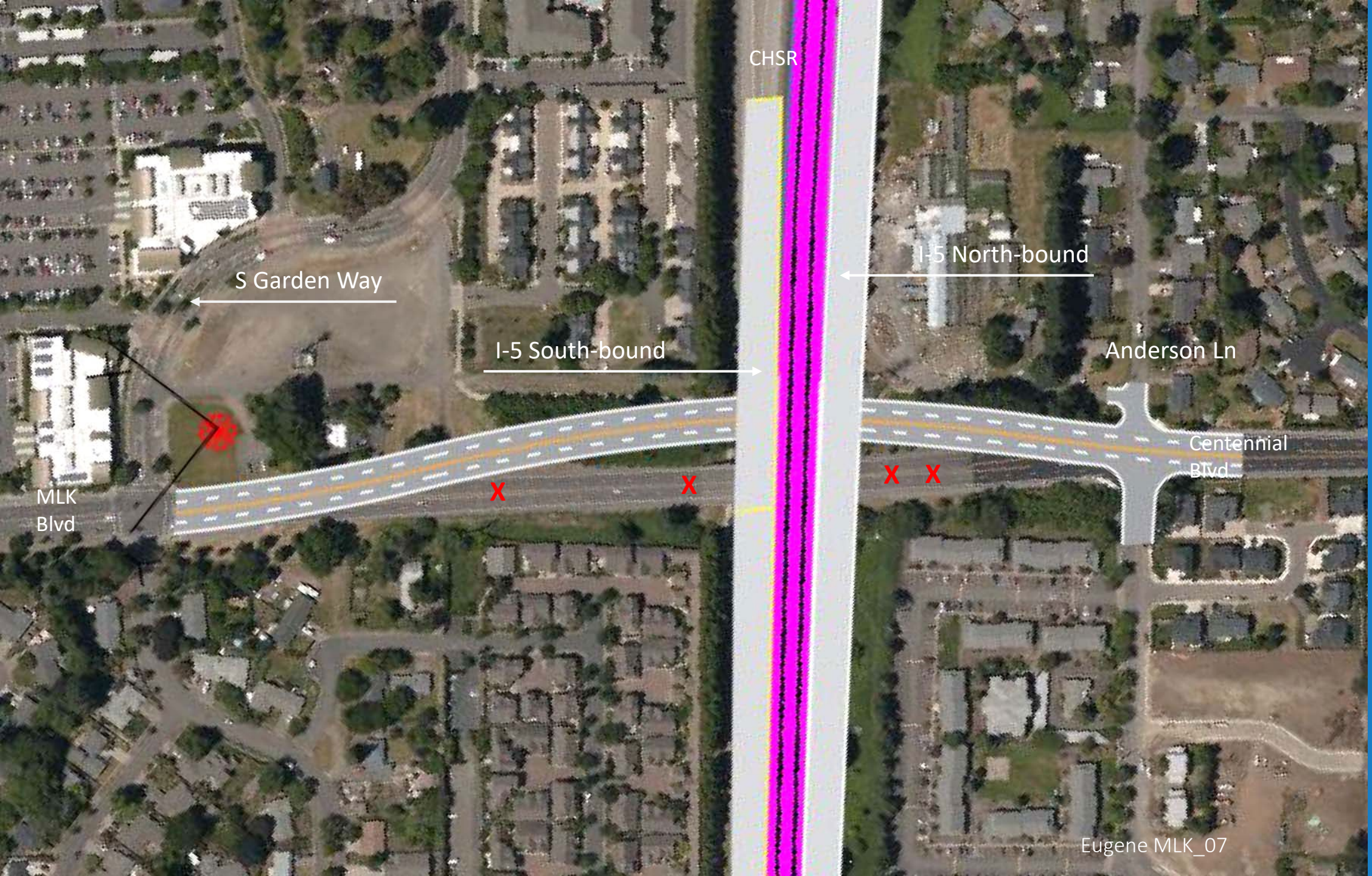
The C-ICE station connects to Millrace Parking Garage ±35 ft above ground.



CHSR in Eugene and Springfield

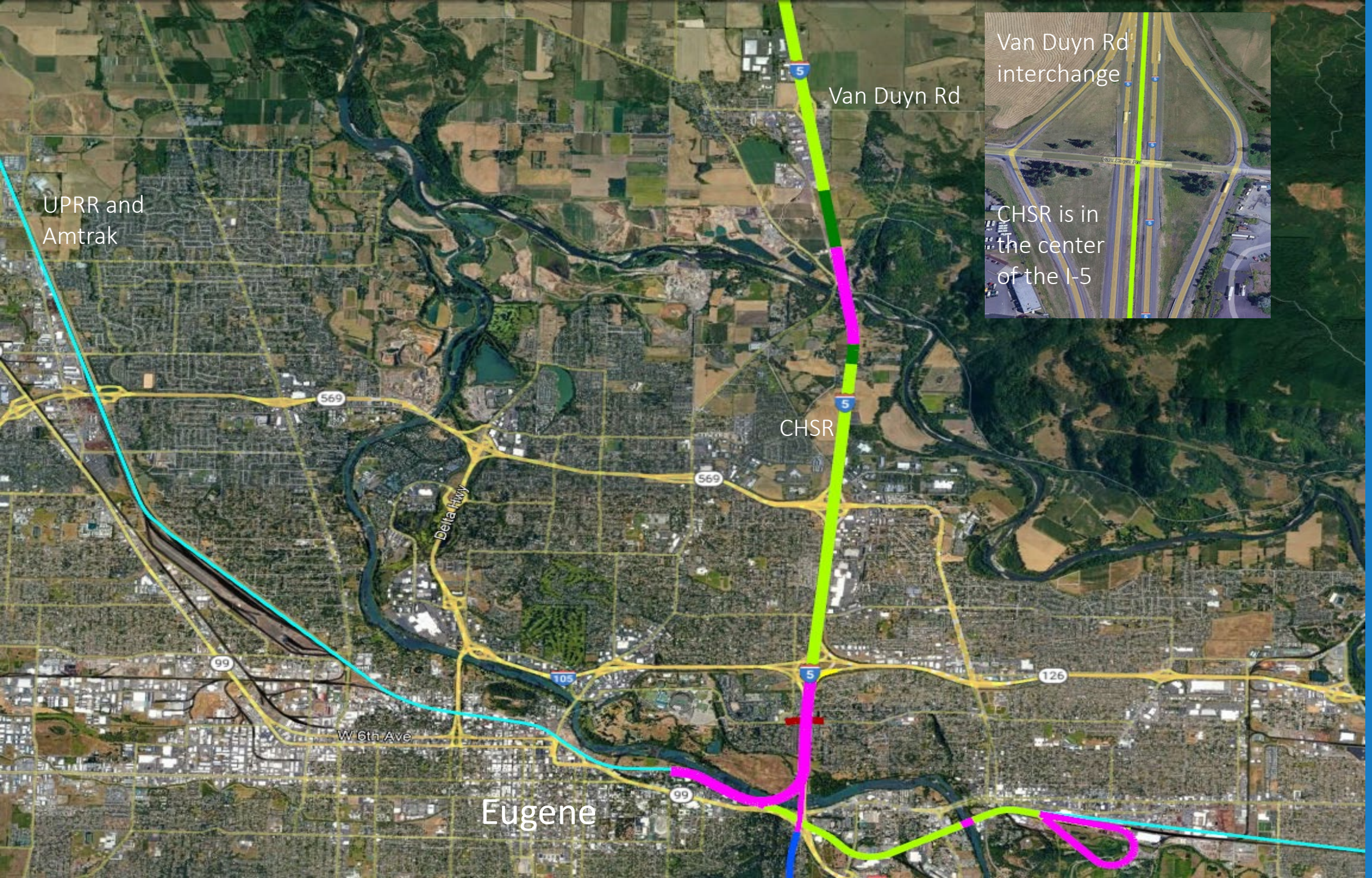
The proposed Springfield yard will service, clean and store trains.

The turn-around flyover is optional, it can be on the ground with some bridges, but the turn-around is needed.



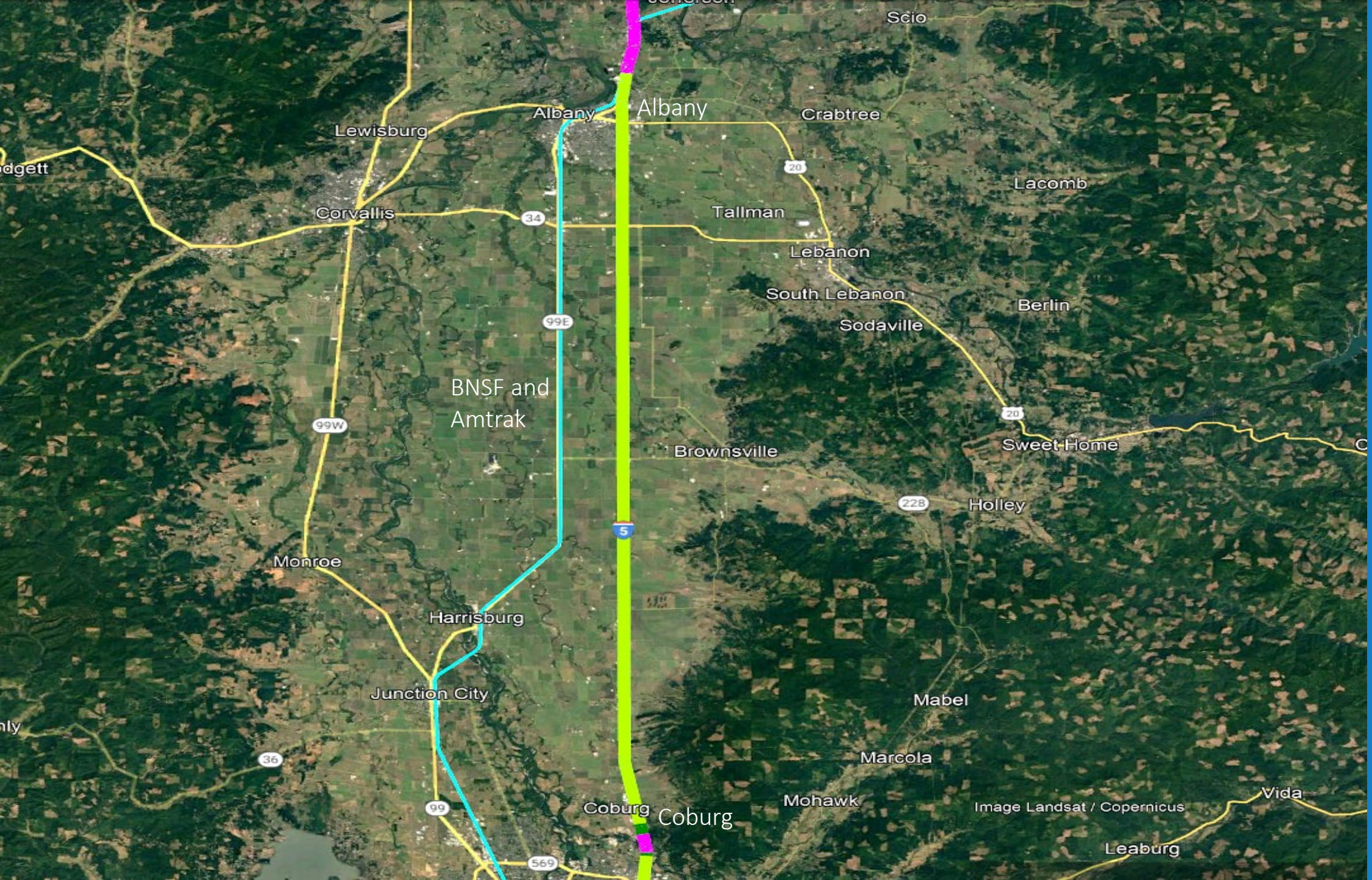
Eugene CHSR at I-5 and MLK/ Centennial Blvd

The existing Centennial Blvd overpass will be removed.



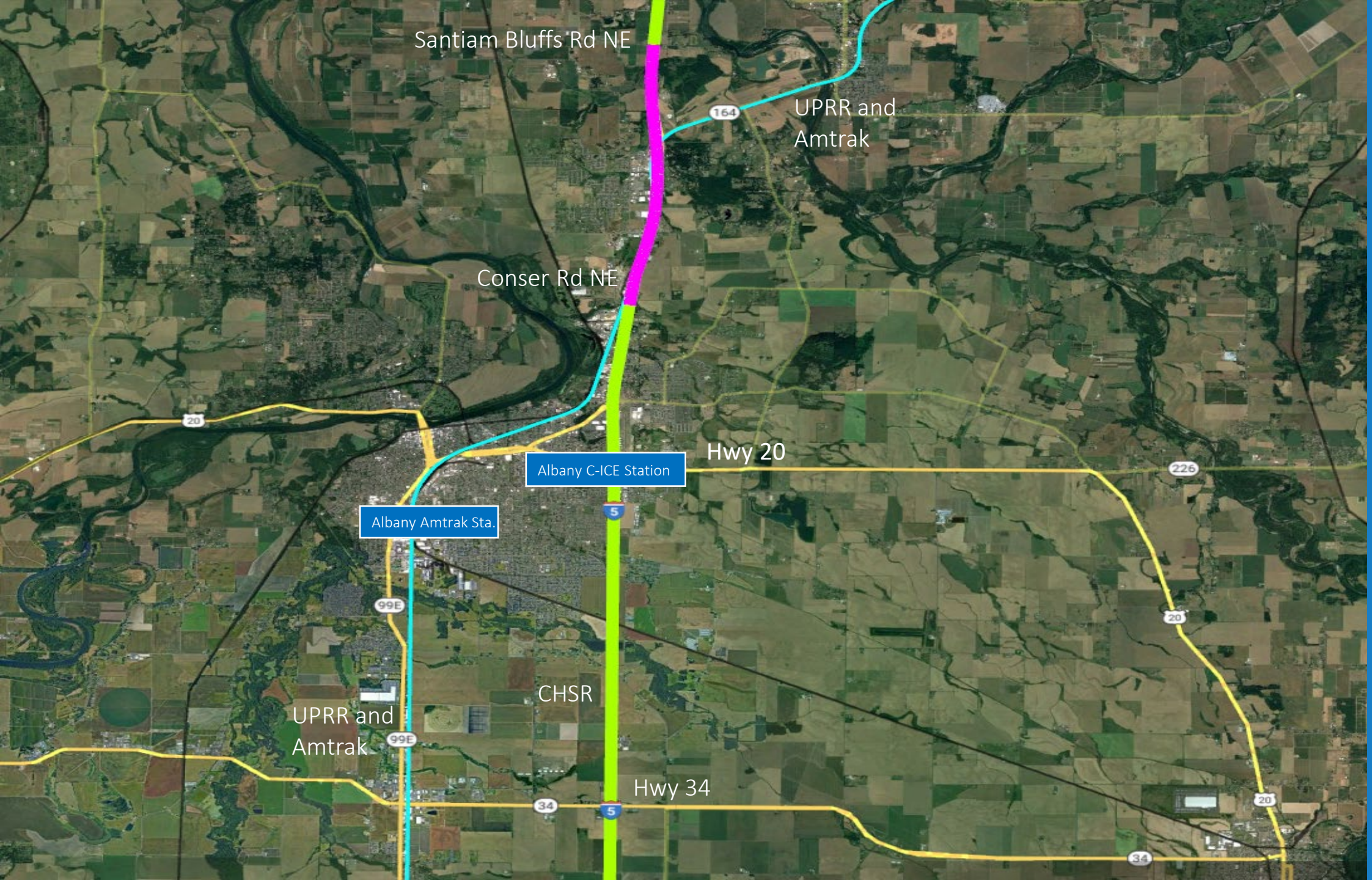
CHSR Corridor between Eugene and Van Duyn Rd

The CHSR is in the center of the I-5; see insert.



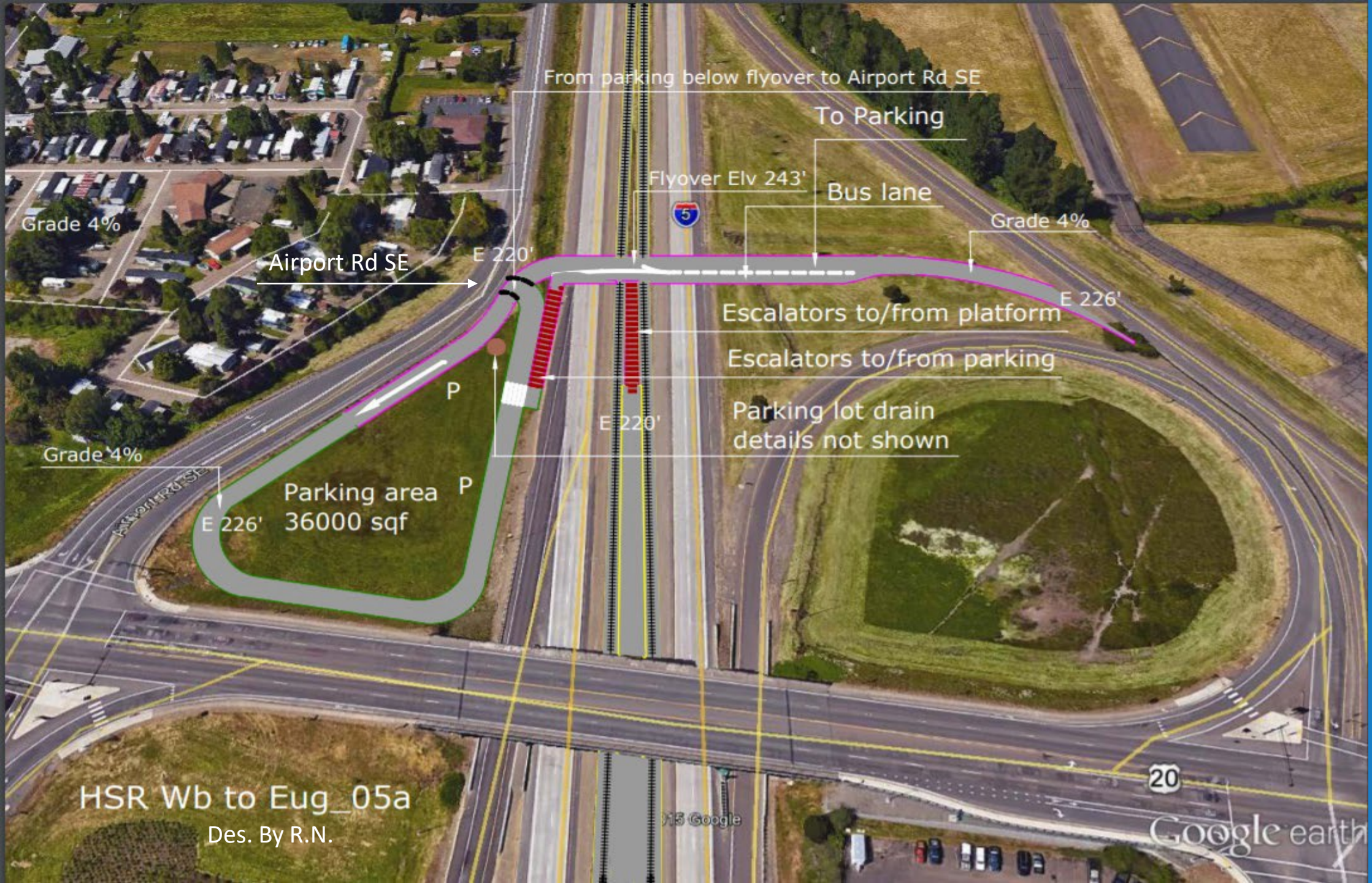
CHSR Corridor between Coburg and Albany

The CHSR is in the center of I-5

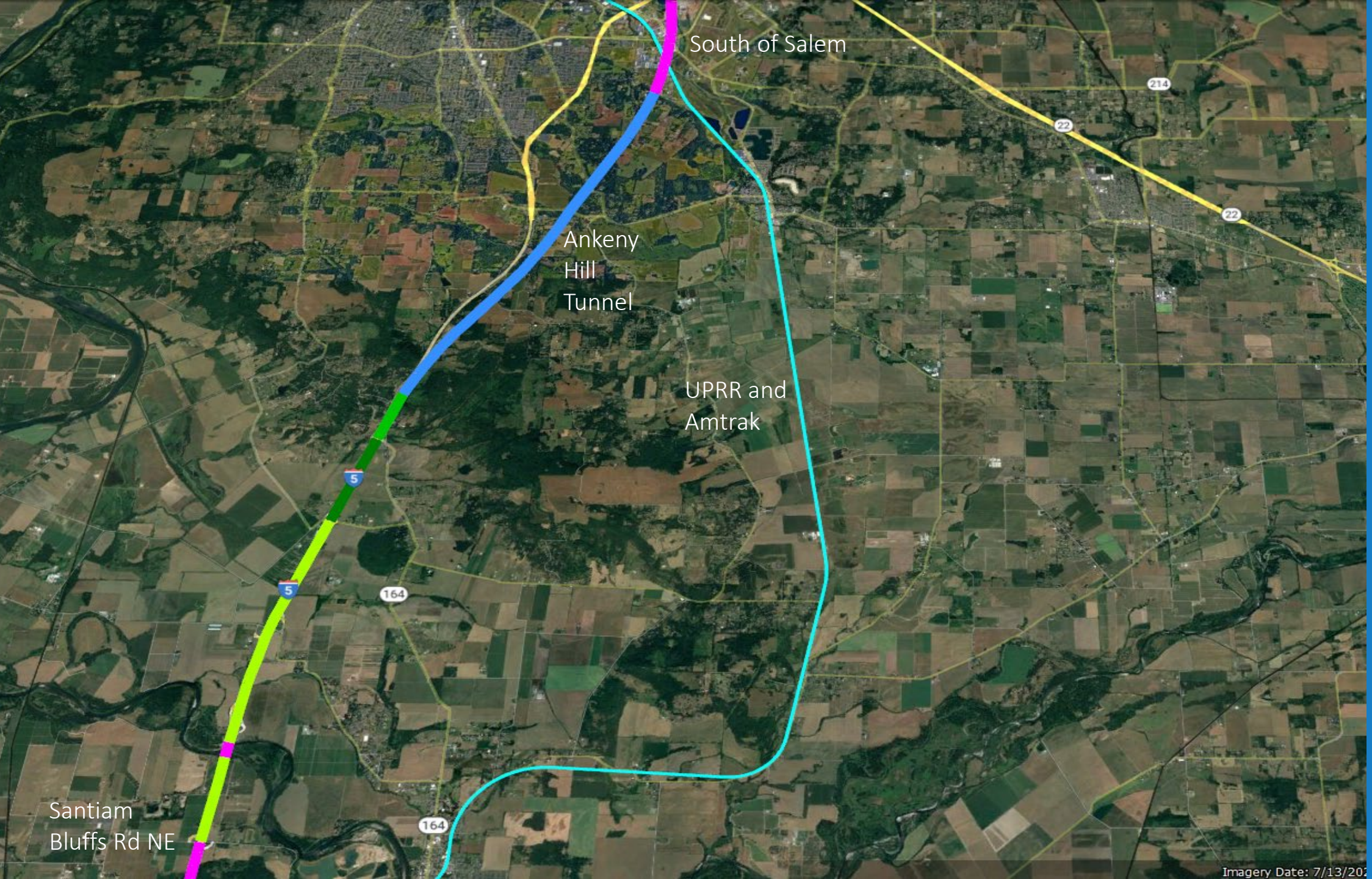


CHSR Corridor between Hwy 34 and Santiam Bluffs Rd NE

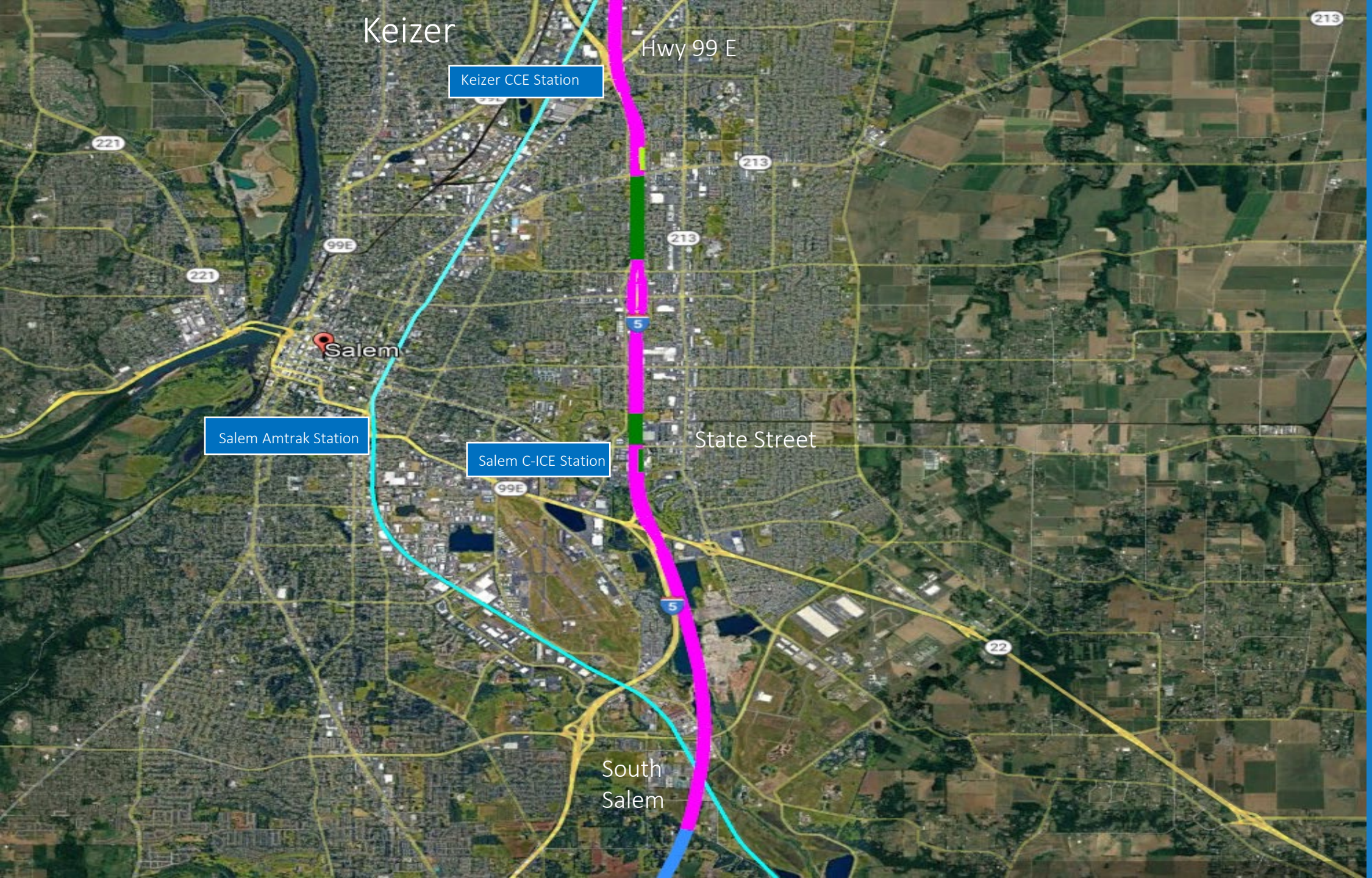
The CHSR will stay in the center of I-5 till Conser Rd NE, then swerve to the west to avoid tight I-5 curves. The CHSR will re-enter the I-5 median again at 0.4 miles south of Santiam Bluff Rd NE.



CHSR Corridor and Albany C-ICE Station

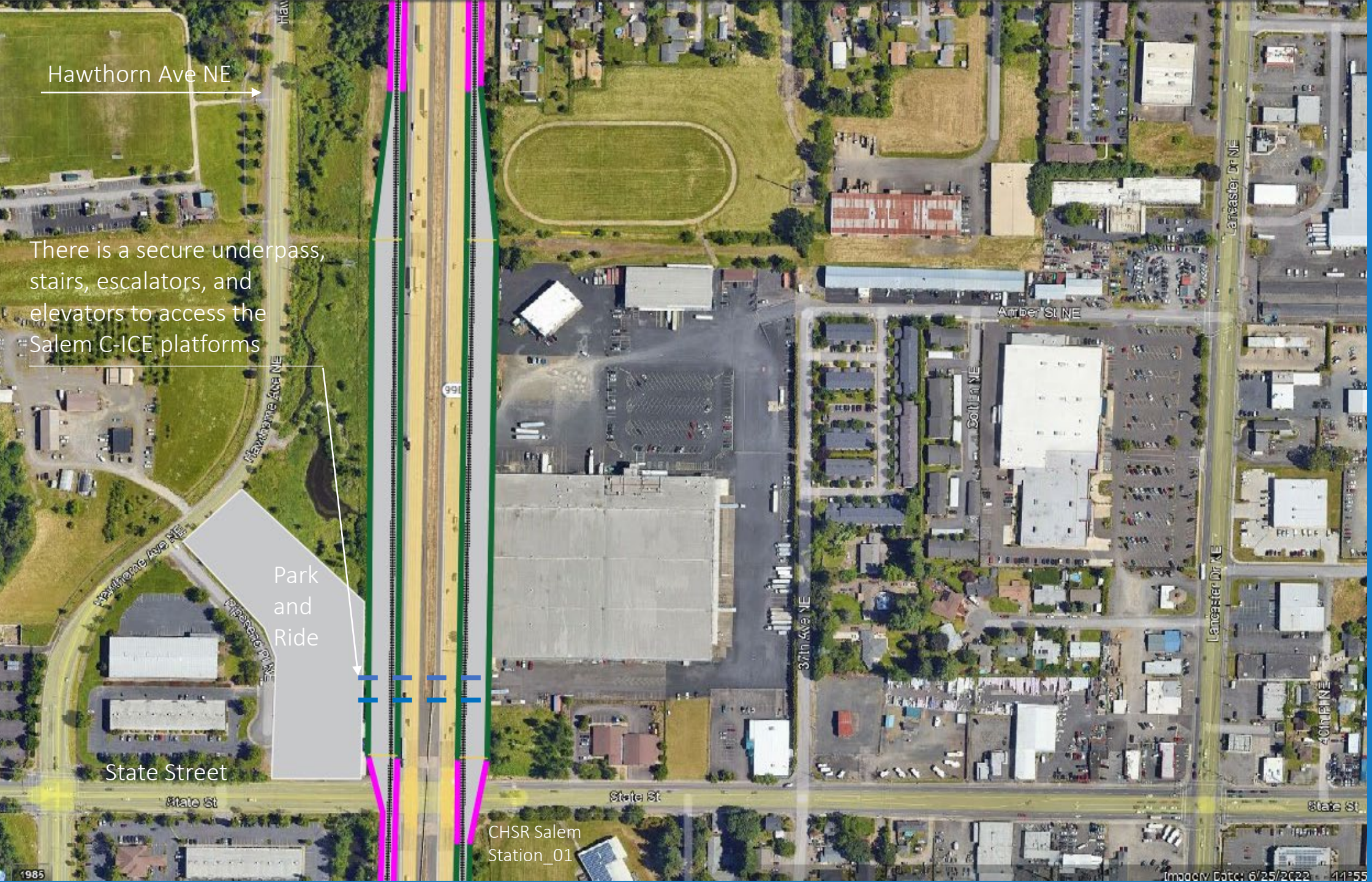


CHSR Corridor between Santiam Bluff Rd NE and South Salem



CHSR Corridor between South Salem and Keizer

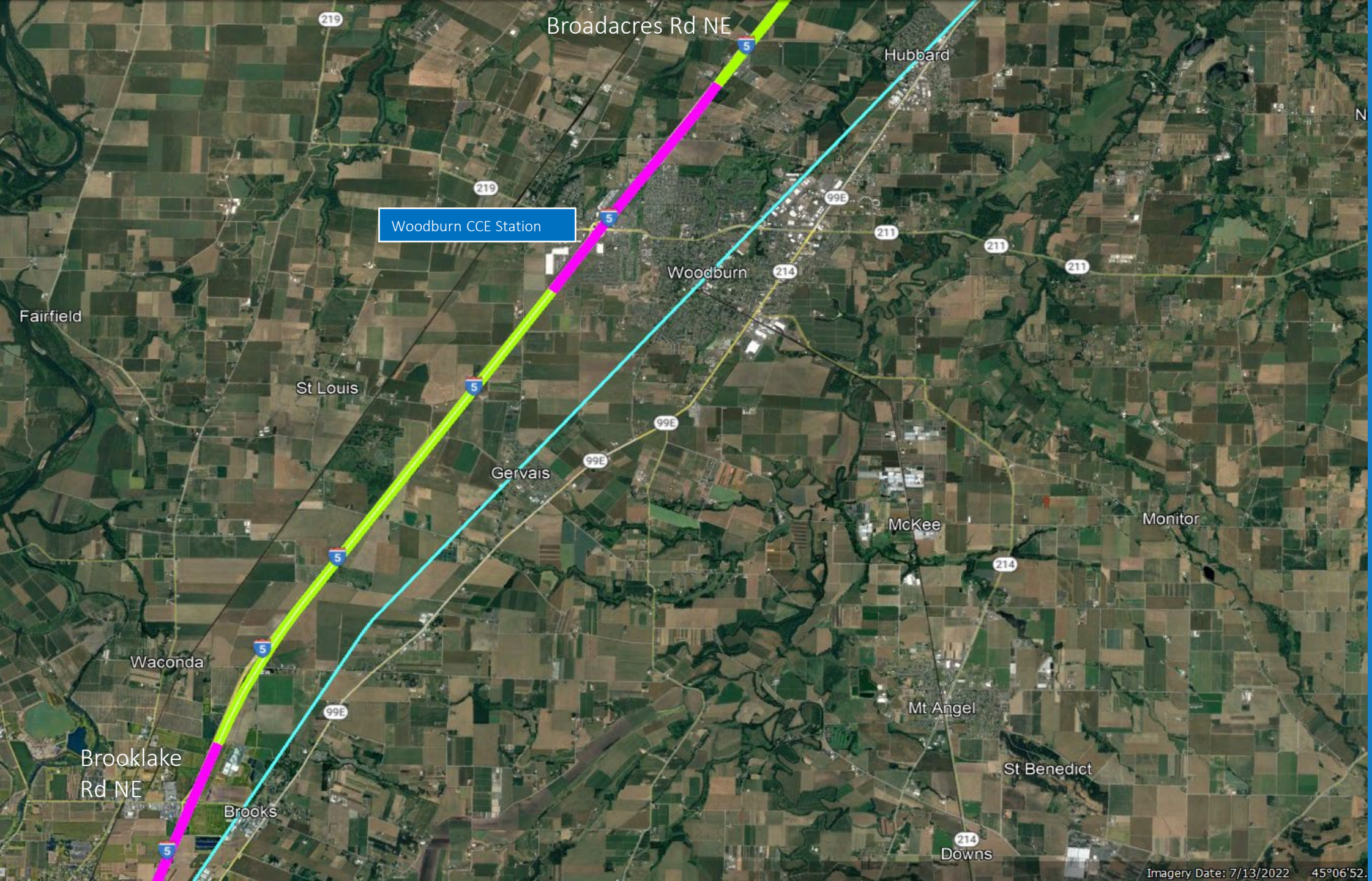
The CHSR will have a station at State Street and Keizer at Hwy 99 East.



CHSR Corridor and Salem C-ICE Station at State Street and I-5

The Salem station has a single track on each side of the I-5. The platform width is 20 ft, and the length is 1300 ft.

There is a secure underpass for train passengers to use stairs, escalators, and elevators to access the platforms.

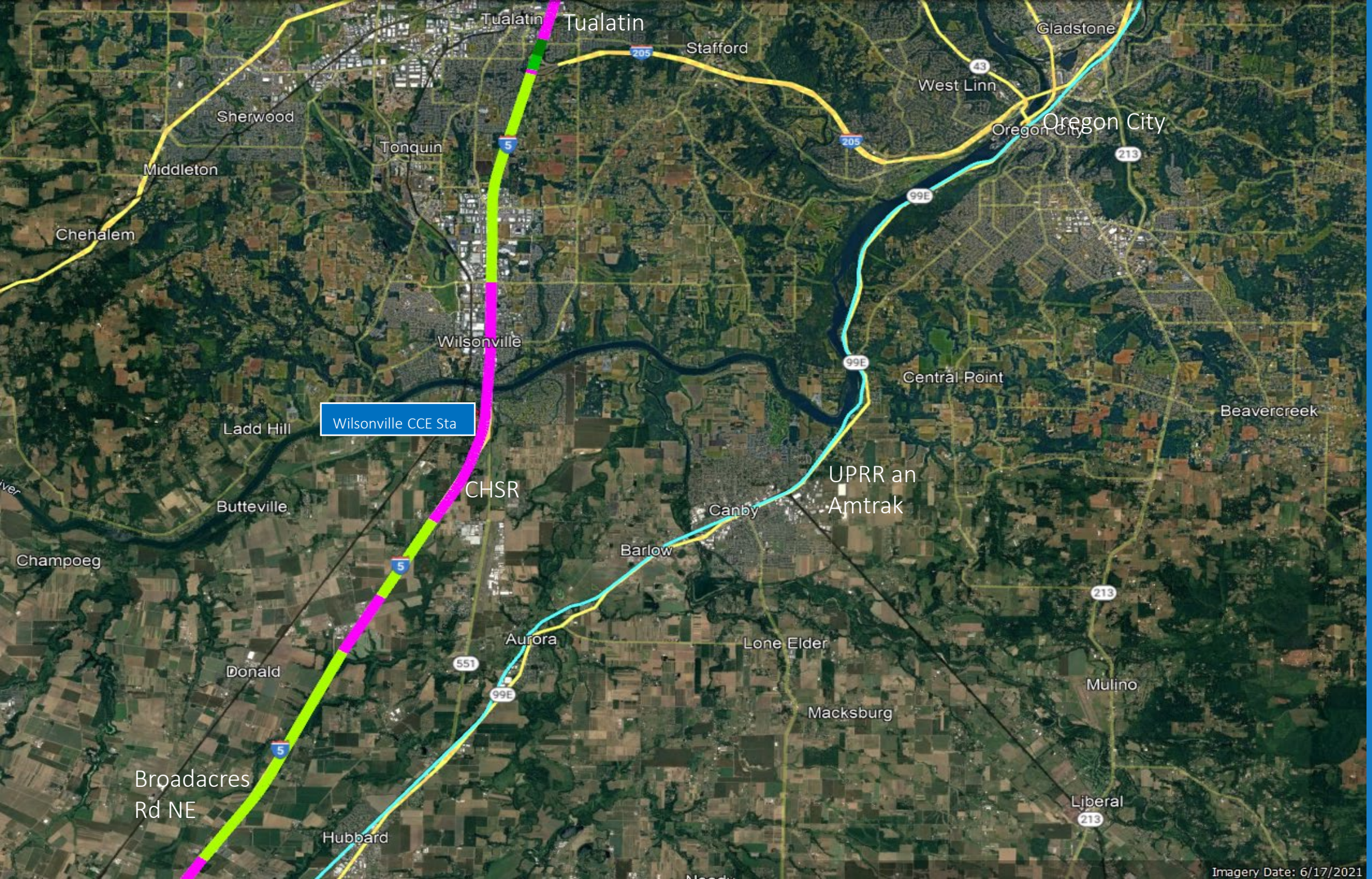


CHSR Corridor between Brooklake Rd NE and Broadacres Rd NE

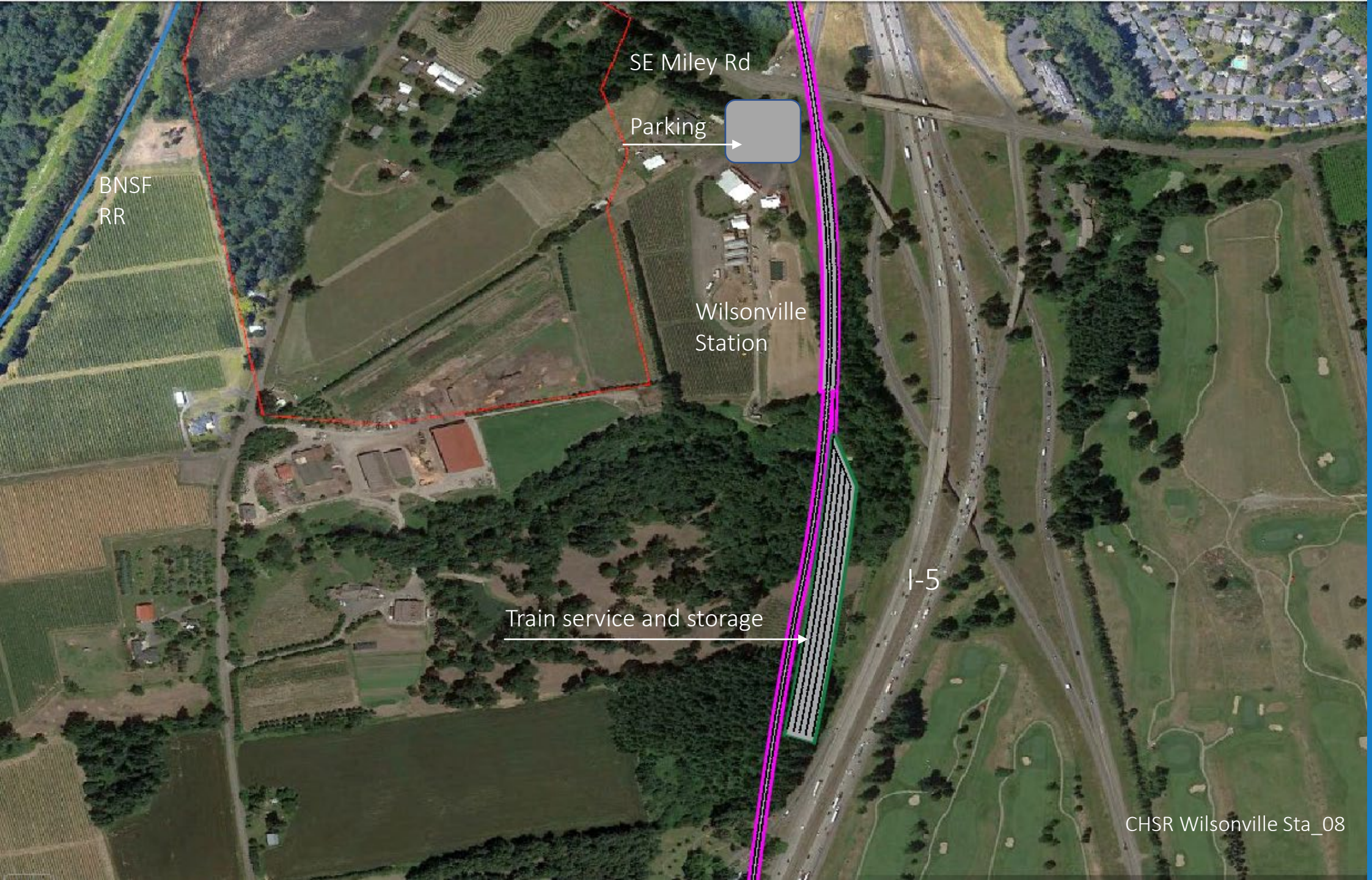
The Woodburn CCE Station is at I-5 and Hwy 214.

Woodburn CCE Station

The CHSR has four tracks to bypass the CCE trains.



CHSR Corridor between Broadacres Rd NE and I-205

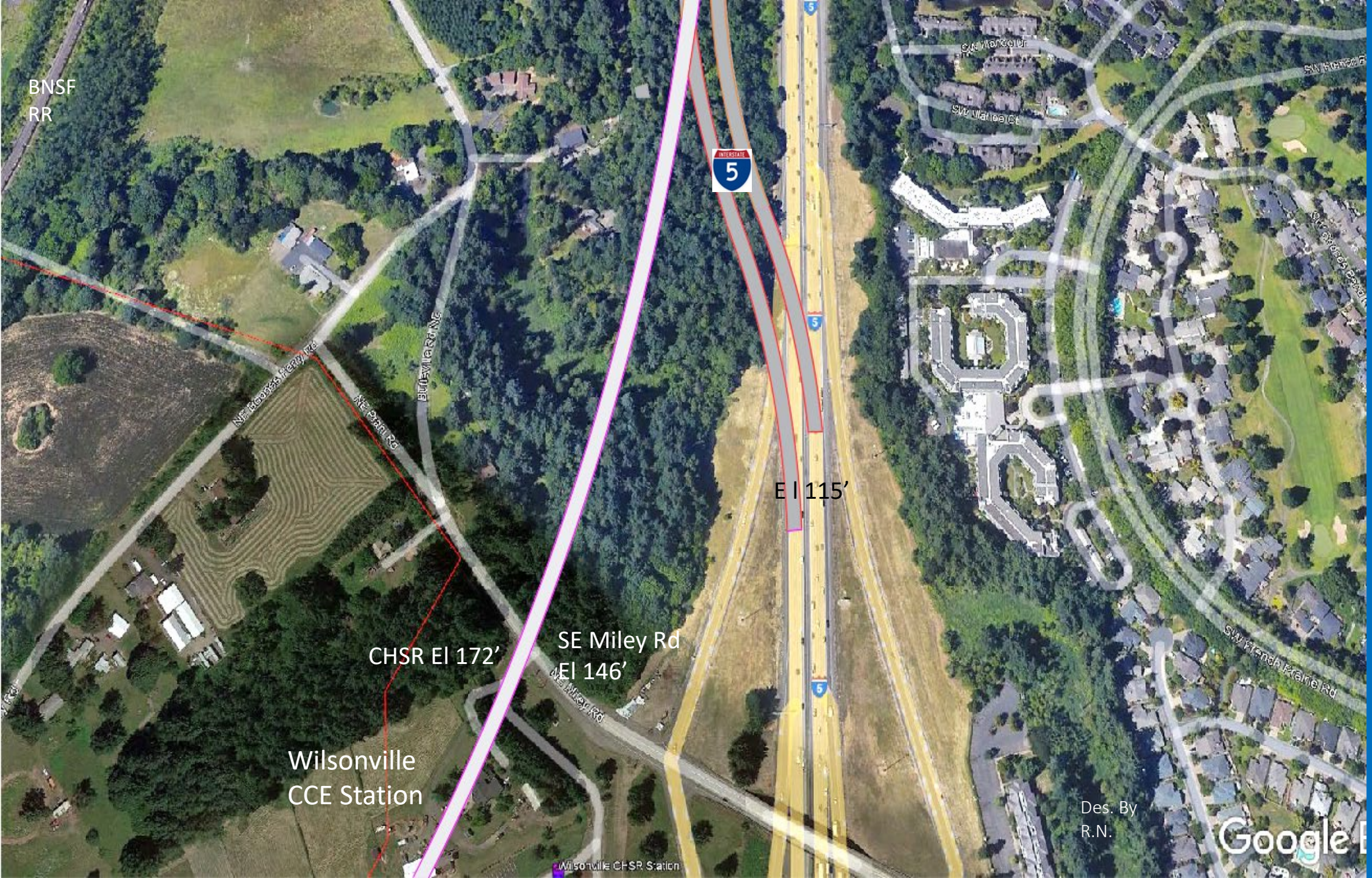


CHSR Corridor at the Proposed Wilsonville CCE Station

This station has three tracks, two for through trains and one for commuters.

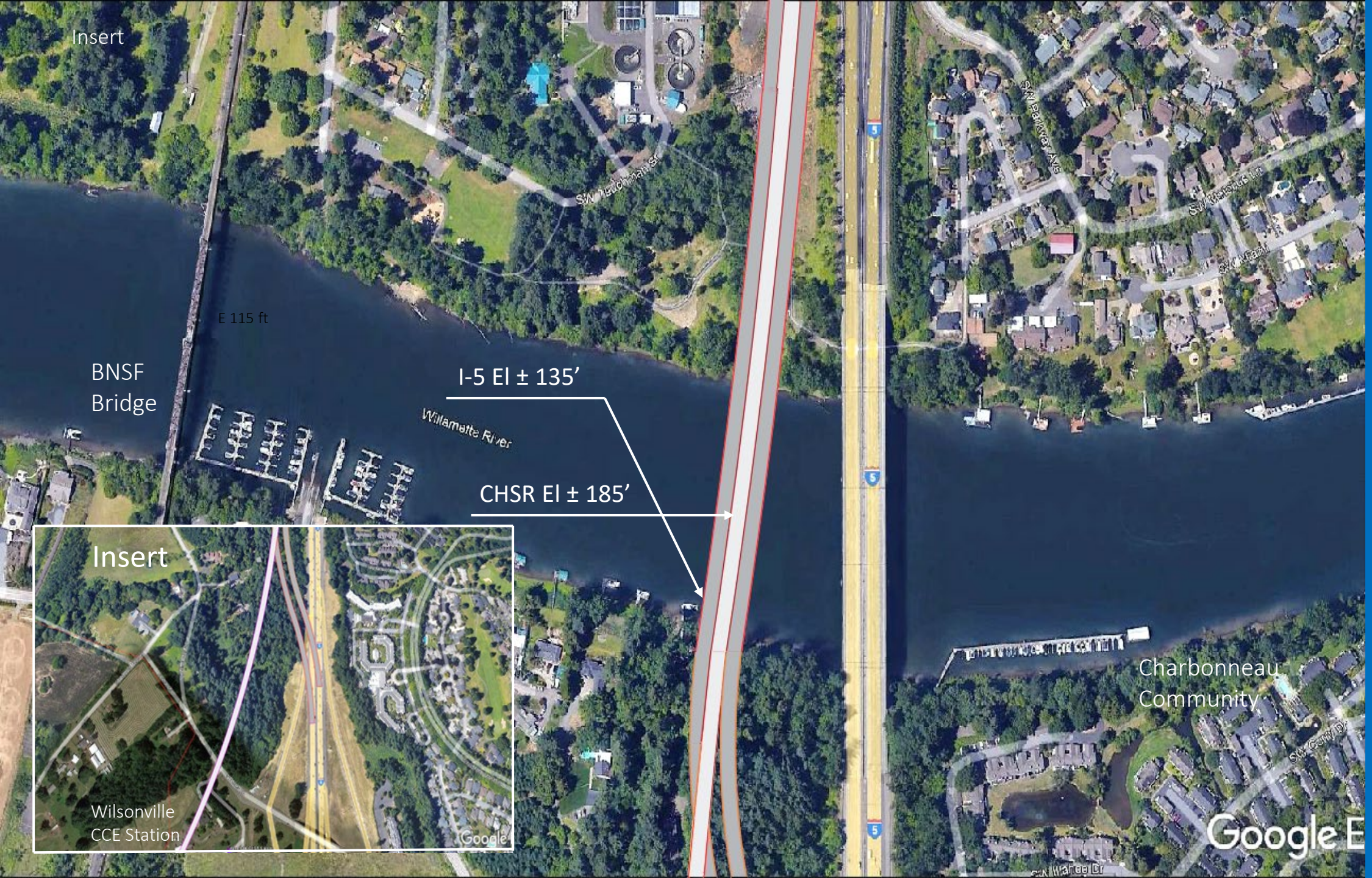
There is also a train service and storage yard.

The station length is 1300 ft long. The service and storage yard tracks are 1300 feet long and can accommodate five double train sets.



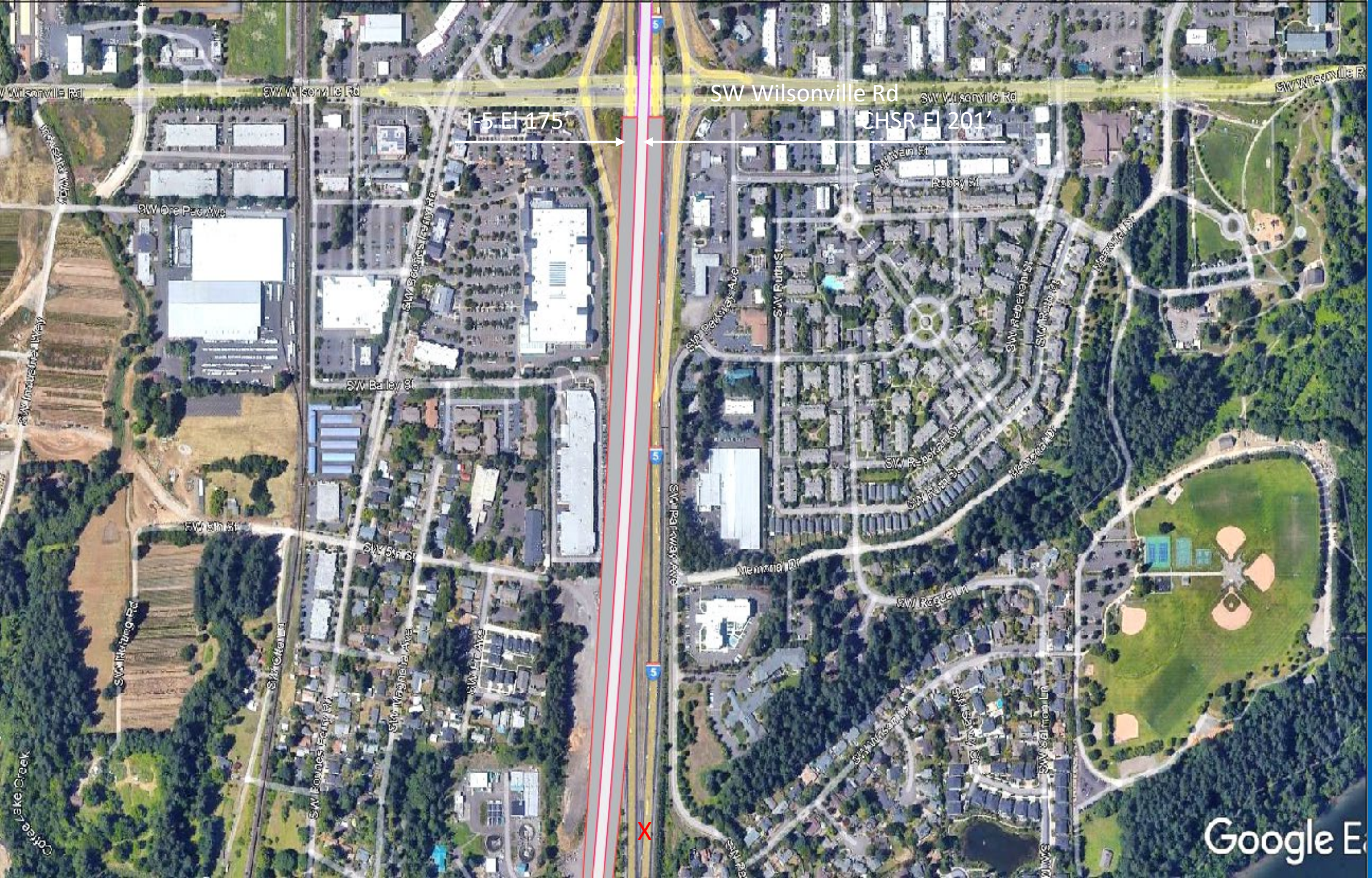
CHSR, CCE between SE Miley Rd and Southbank of Willamette River

The new I-5 is below the CHSR corridor.



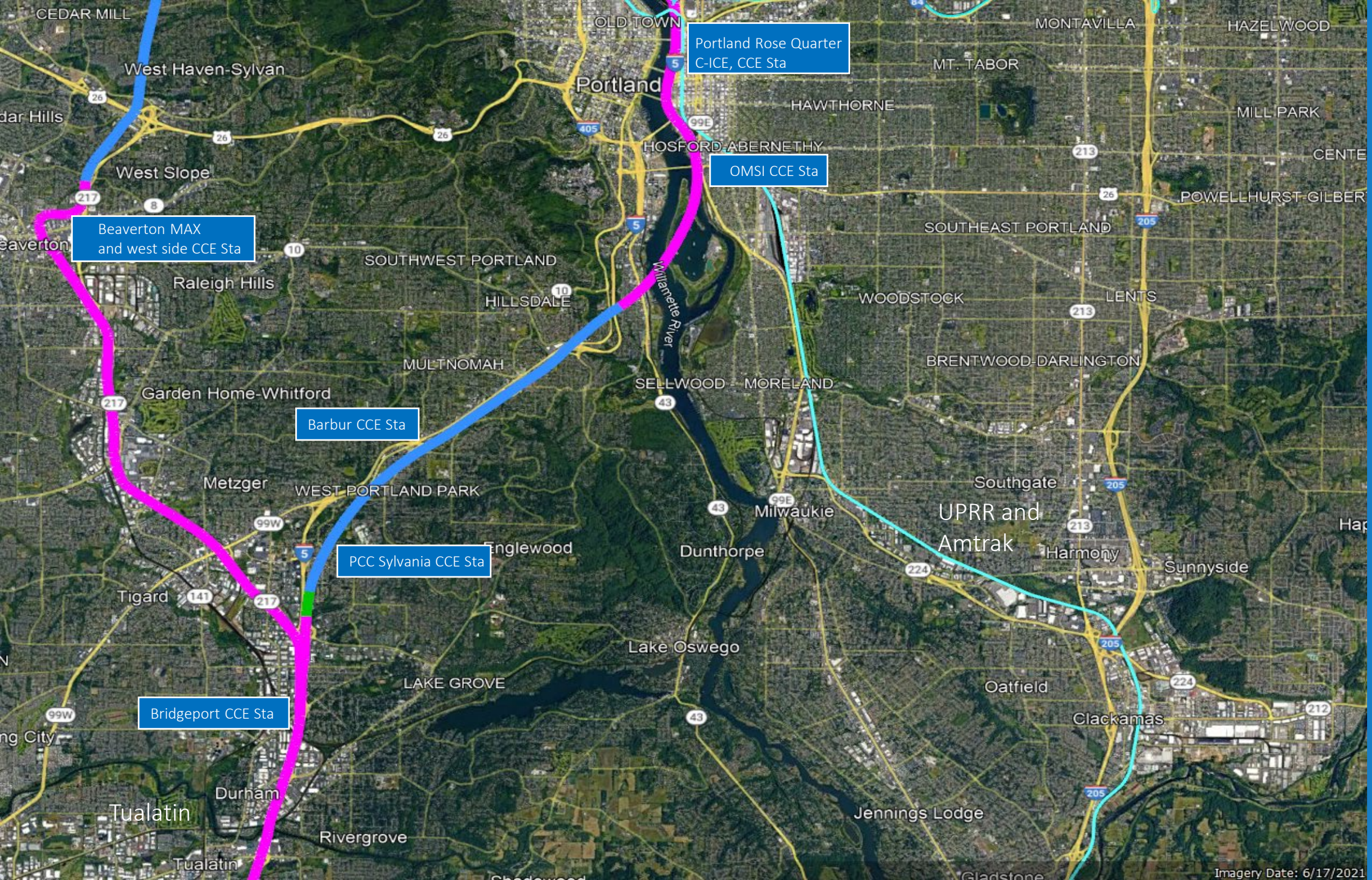
CHSR and the New I-5 Willamette River Crossing

The CHSR corridor is 50 ft above the I-5 corridor.

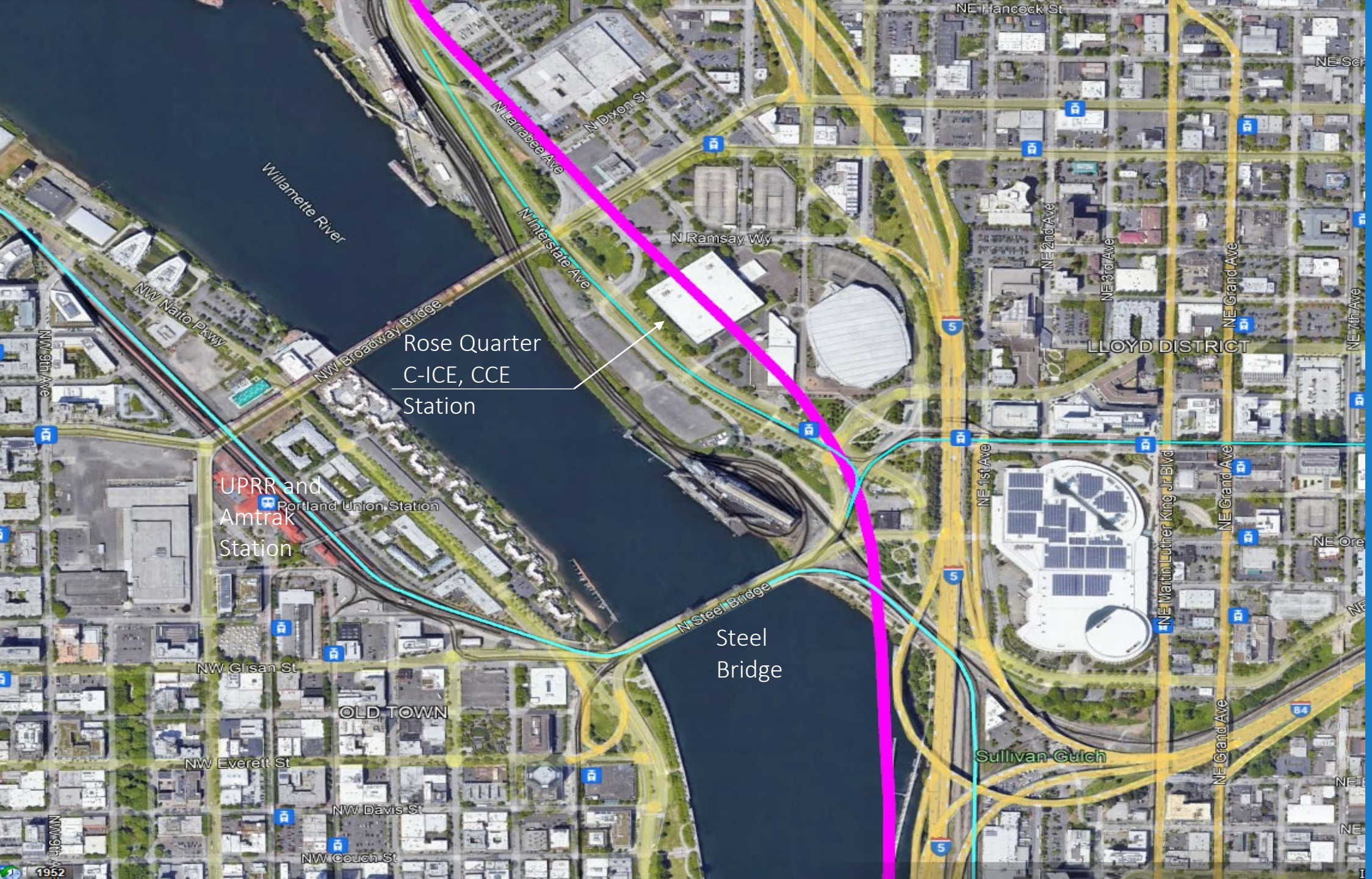


CHSR Corridor and the New I-5 Corridor between Willamette River’s North Bank and SW Wilsonville Rd

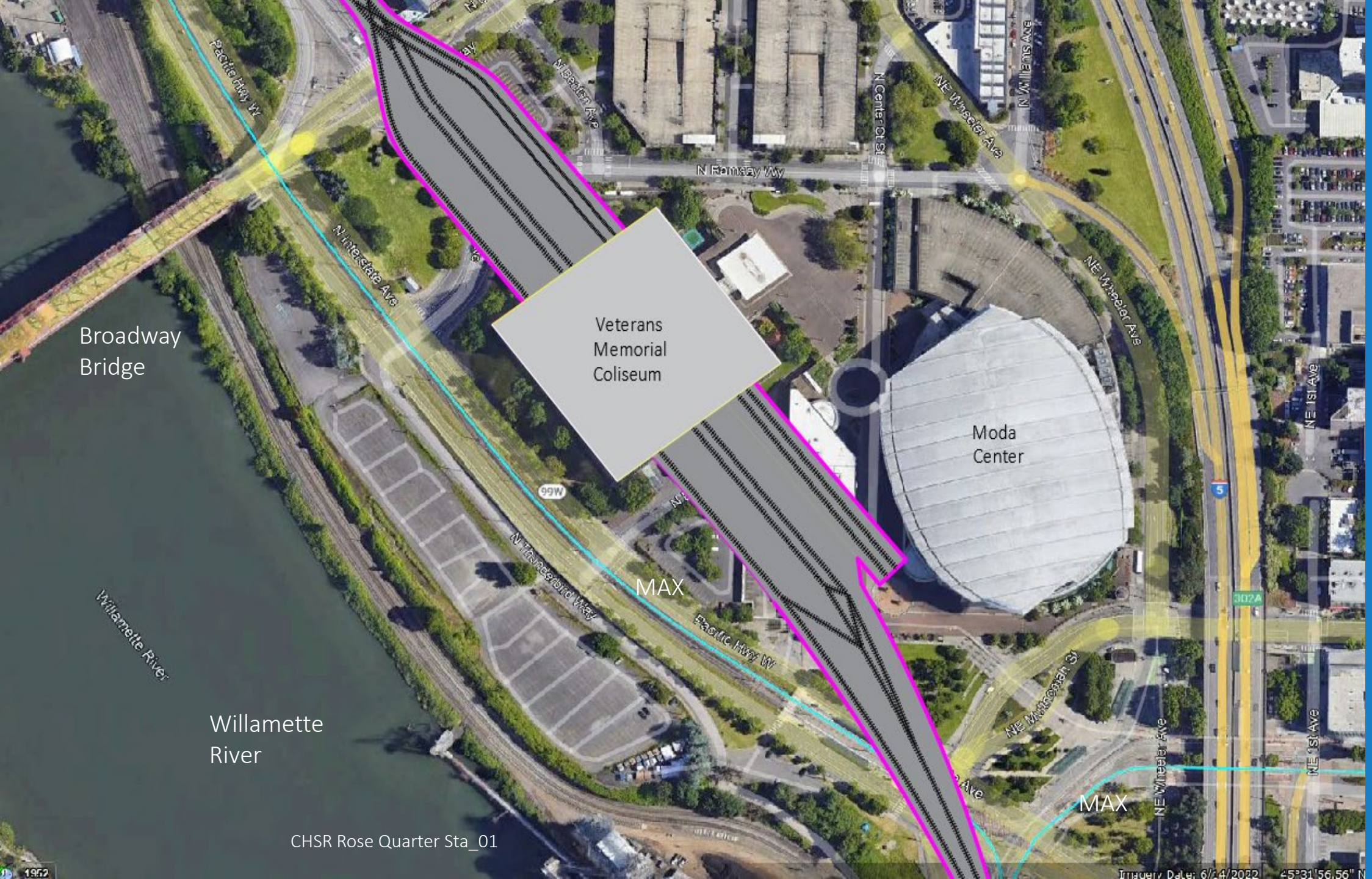
This is the area for the narrowing of the combined corridor for the multi-modal bridge river crossing.



CHSR Corridor between Tualatin and the Portland Rose Quarter Transportation Hub



CHSR Corridor at the Portland Rose Quarter Transportation Hub

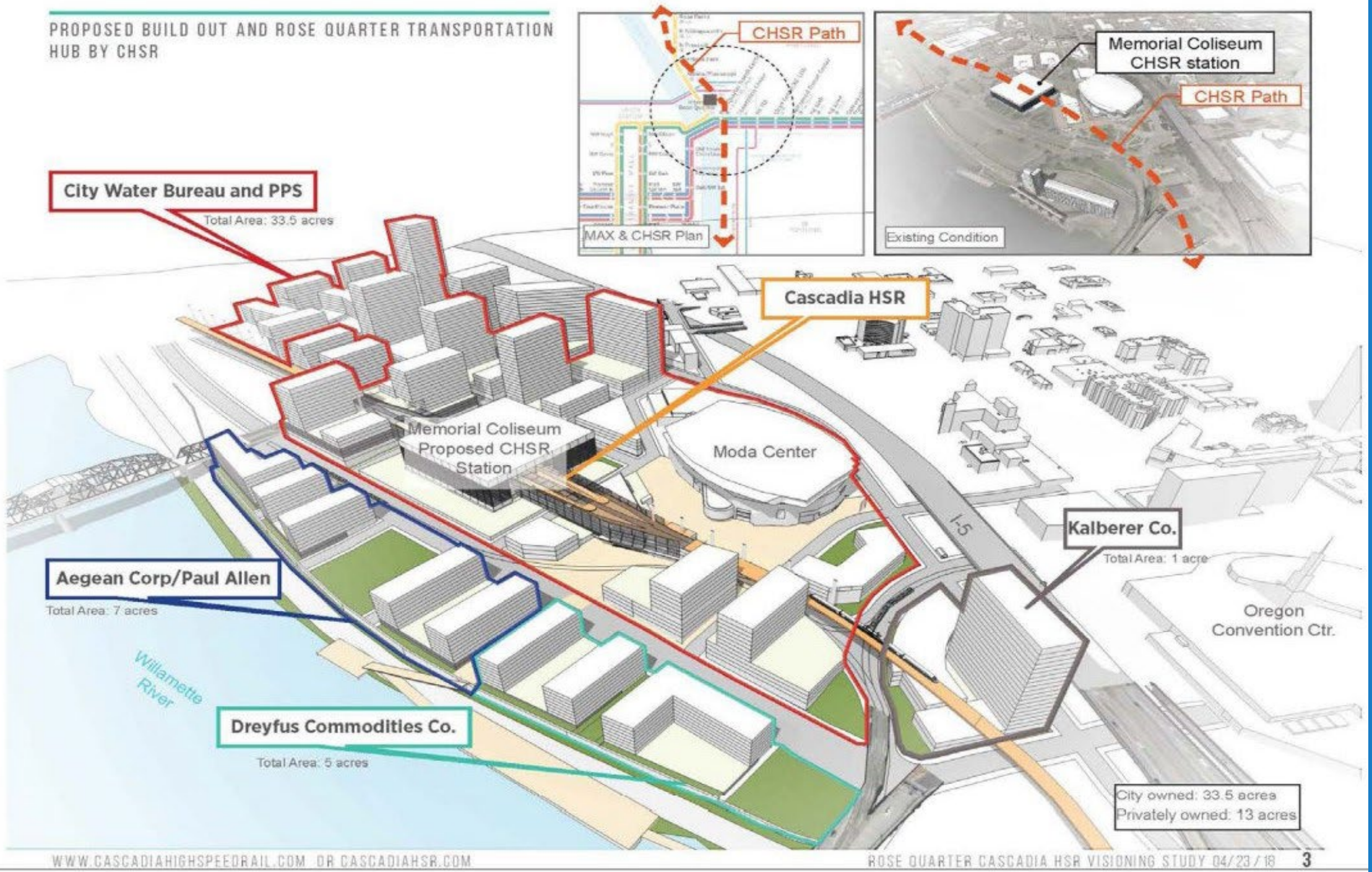


CHSR Rose Quarter Sta_01

Rose Quarter Transportation Hub with CHSR Station

The CHSR Station has five rail tracks for Cascadia Inter-City Express (C-ICE) trains and Cascadia Commuter Express (CCE) trains.

The station platform is 1300 ft long and 146 feet wide.



The Rose Quarter Transportation Hub

The proposed phased development is to coincide with CHSR Station and mixed-use opportunities

Eugene CHSR Station to Portland CHSR Station Mileage and Times

CHSR Corridor Milage	Station to Station	Estimated Travel Times
41.32 miles	Eugene-Albany	19 minutes
21.19 miles	Albany-Salem	11 minutes
3.99 miles	Salem-Keizer	4 minutes
13.94 miles	Keizer-Woodburn	9 minutes
10.06 miles	Woodburn-Wilsonville	7 minutes
8.35 miles	Wilsonville-Bridgeport	6 minutes
3.08 miles	Bridgeport-PCC Sylvania	4 minutes
1.33 miles	PCC Sylvania-Barbur	3 minutes
4.92 miles	Barbur-OMSI	5 minutes
1.73 miles	OMSI-Portland	3 minutes
109.91 miles	Eugene-Portland	45 minutes (3 stops)

Transportation Mode Comparison	Stop to Stop	Estimated Travel Times
112.20 miles (Bus, Autos)	Eugene-Portland	2 hours and 45 minutes
123 miles (Amtrak)	Eugene-Portland	3 hours and 20 minutes
110 miles (CHSR)	Eugene-Portland	35 minutes (direct)