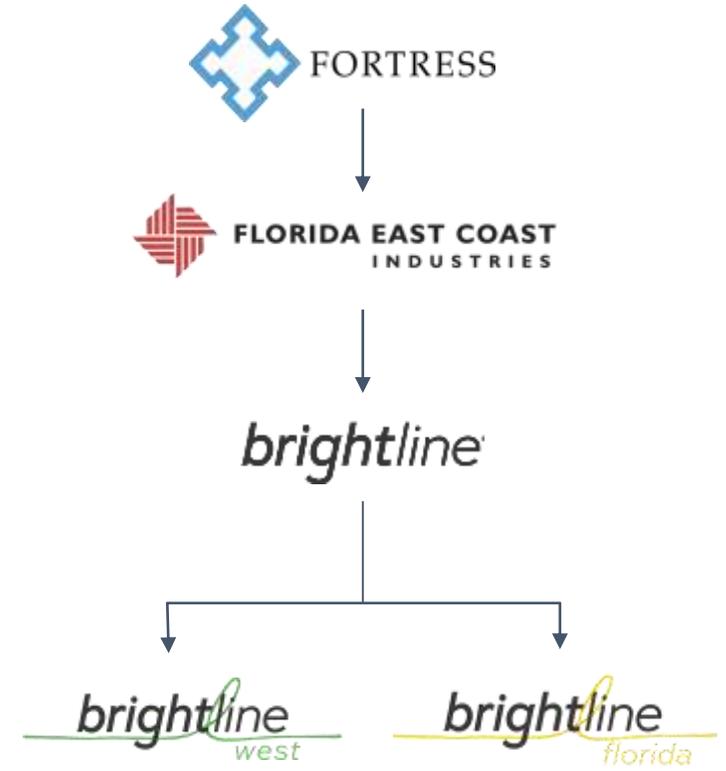
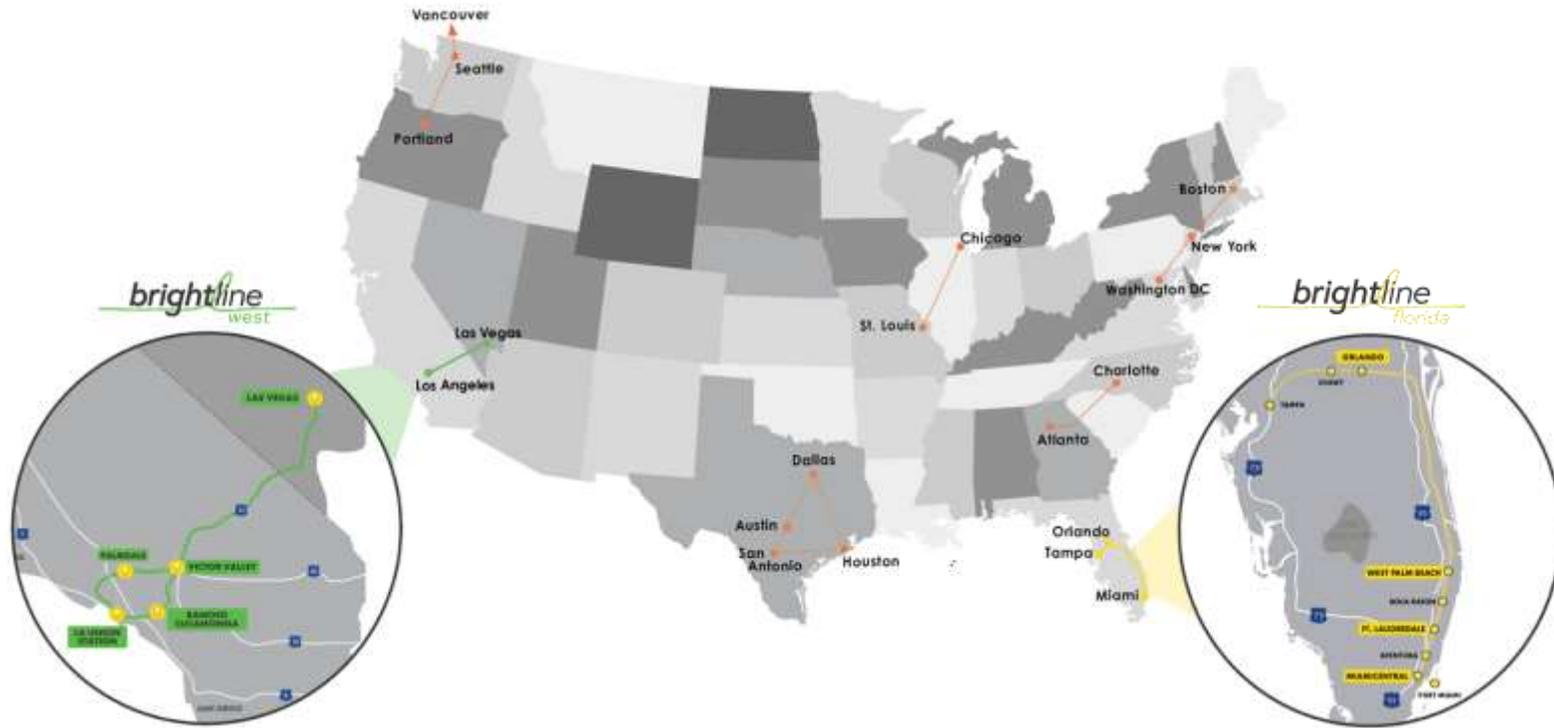


brightline
west



**Project Update
Nevada Transportation Conference
May 2022
Adrian B. Share, PE**

The only major privately held express passenger rail business in the U.S.



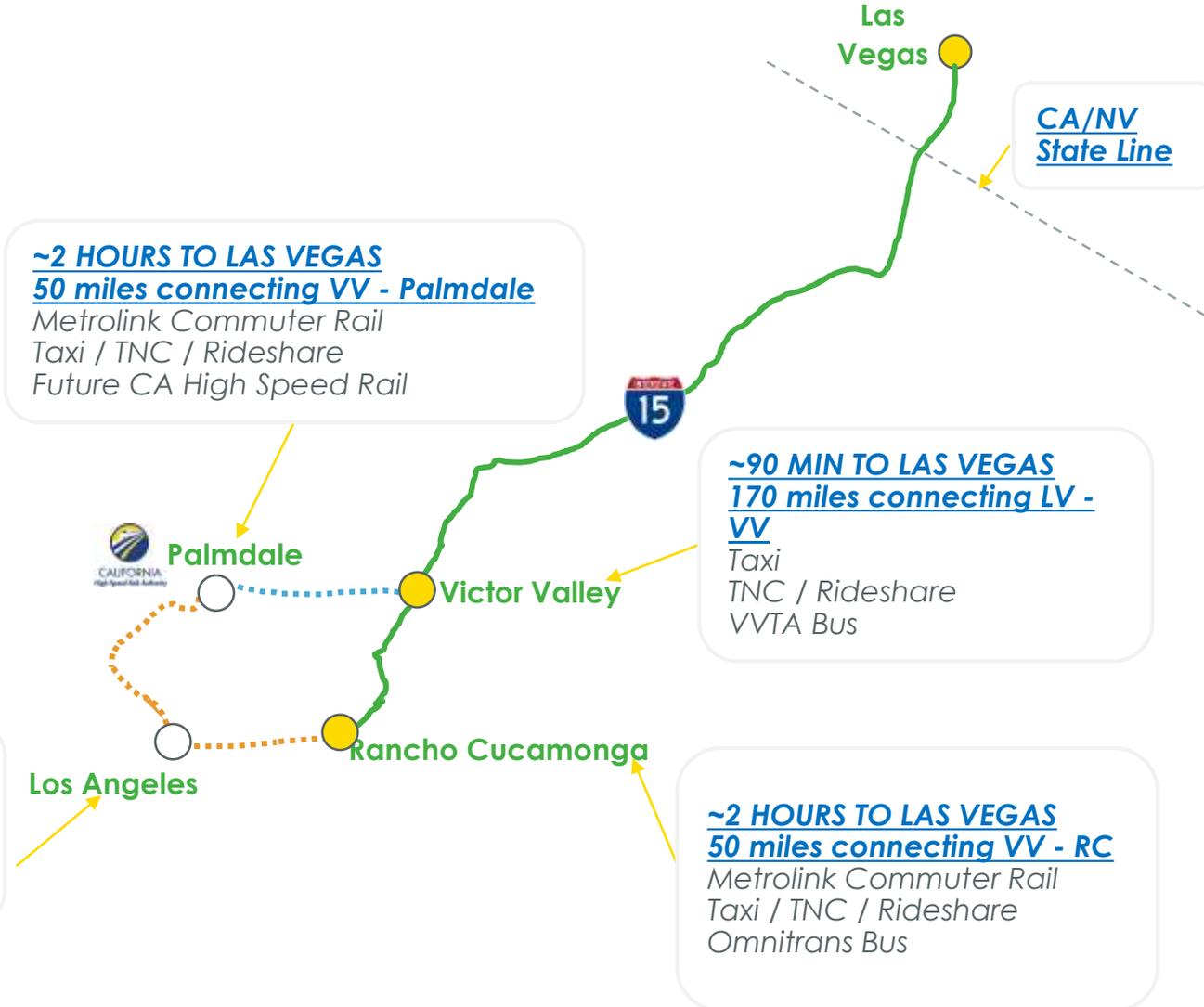
COMPANY GOAL IS TO CONNECT CITY PAIRS THAT ARE "TOO LONG TO DRIVE AND TOO SHORT TO FLY"



High-Speed Travel Between Southern California and Las Vegas

Greener, faster, more convenient travel

- Brightline West Stations
- Brightline Partner Stations
- Brightline West Route
- ⋯ Metrolink Route
- ⋯ High Desert Corridor Route



High-Speed Travel Between Southern California and Las Vegas

Greener, faster, more convenient travel

Improves the Planet

- All-electric, emission free high-speed trains
- Removes 3 million cars per year from I-15
- Lowers emissions by +400K tons of CO2 annually
- Reduces VMT by 935 million annually

Boosts the Economy

- +\$10 billion economic impact
- +\$1 billion tax revenues
- Economic development in areas surrounding stations

Creates Many Jobs

- 40,000 construction jobs
- 1,000 permanent jobs
- Spurs indirect jobs during operations

Promotes a Safe Travel Option

- Supports +11 million trips per year
- Almost exclusively in the I-15 right-of-way
- Enhanced passenger amenities and experience
- Dedicated Rail Corridor with NO grade crossings
- Rail is one of the safest modes of travel worldwide

Key Stakeholders– Victor Valley To Las Vegas

Federal Railroad Administration

- NEPA reevaluation completed in September 2020
- Section 106 target completion late Summer
- Corridor safety approval
- Rolling stock regulatory approval

Federal Highway Administration Caltrans & NDOT

- Caltrans (135 miles) and NDOT (34 miles) participated in the NEPA and environmental process with FHWA.
- Multiple Agreements being advanced with each DOT – Right of Way, Design and Construction, Operations and Maintenance

Bureau of Land Management

- Land for substations in CA and limited parcels in NV

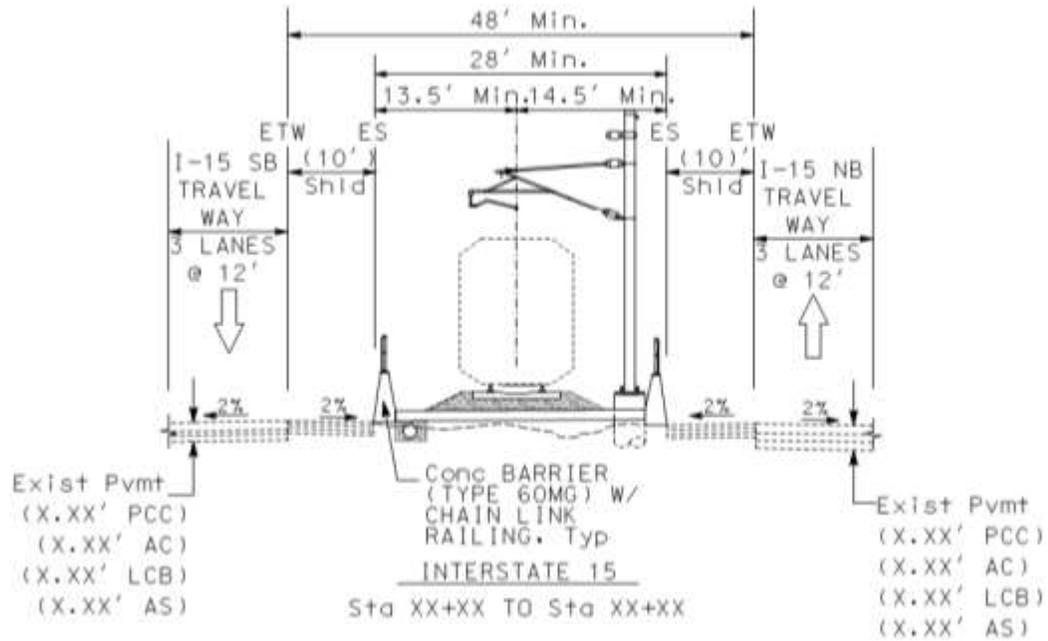
Surface Transportation Board

- STB certification in place
- Preempts state and local regulations and permit requirements including CEQA

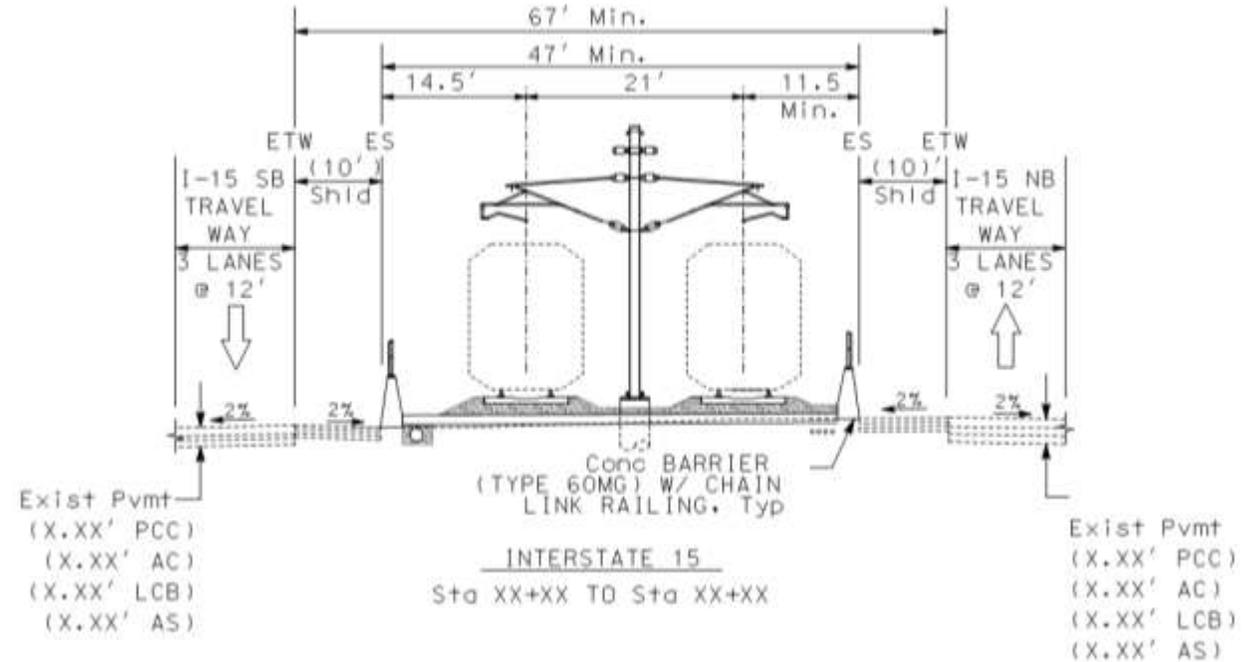
Railroads and Utilities

- One UPRR crossing (NV) and one BNSF (CA) crossing
- Multiple utility crossings primarily power (SCE, LADWP and NVE)

Typical Sections

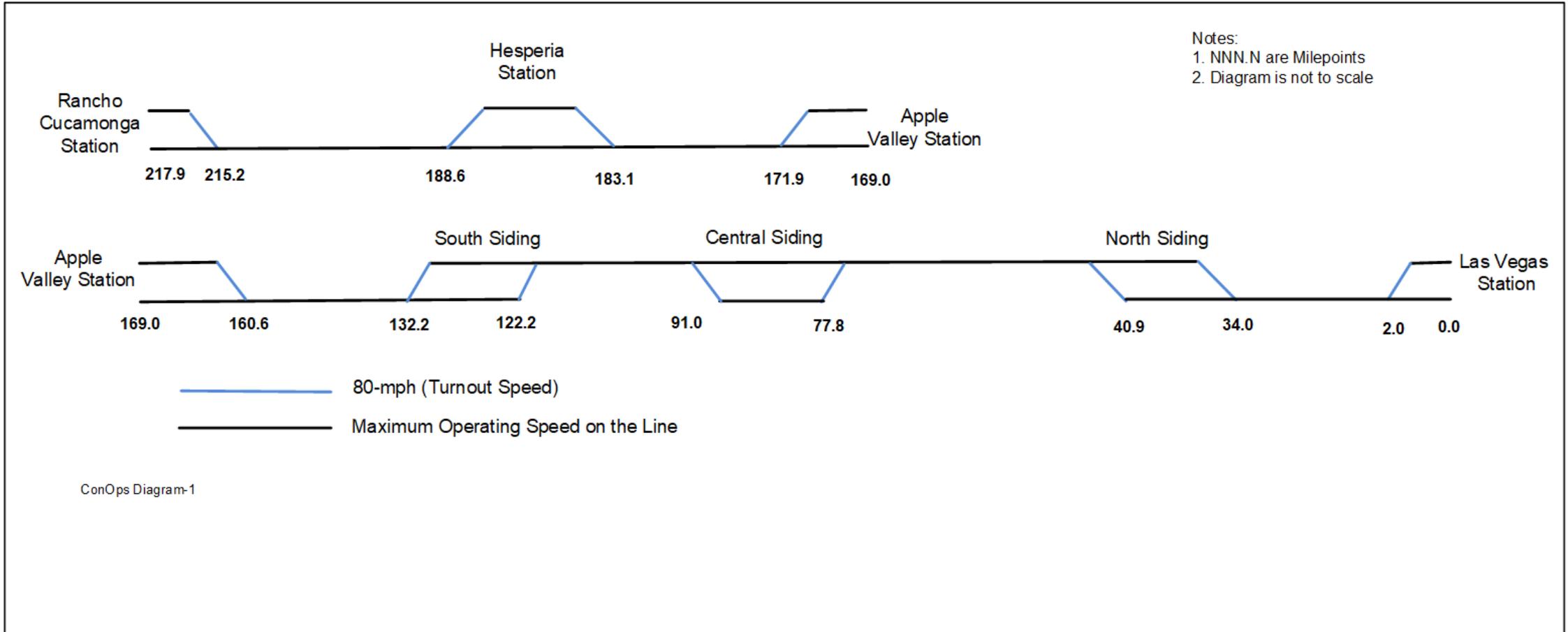


SINGLE TRACK



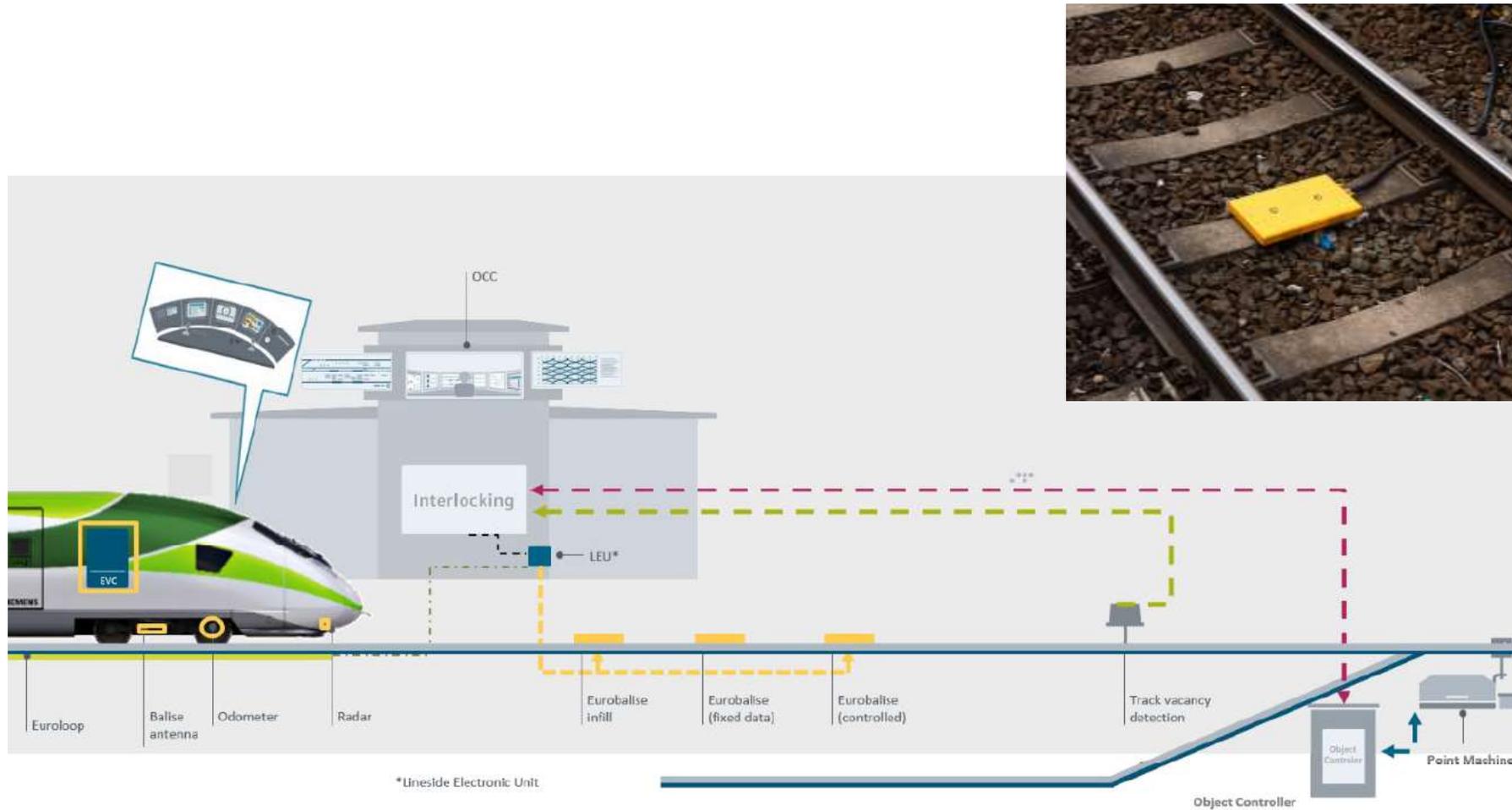
DOUBLE TRACK

Concept of Operations – Overview

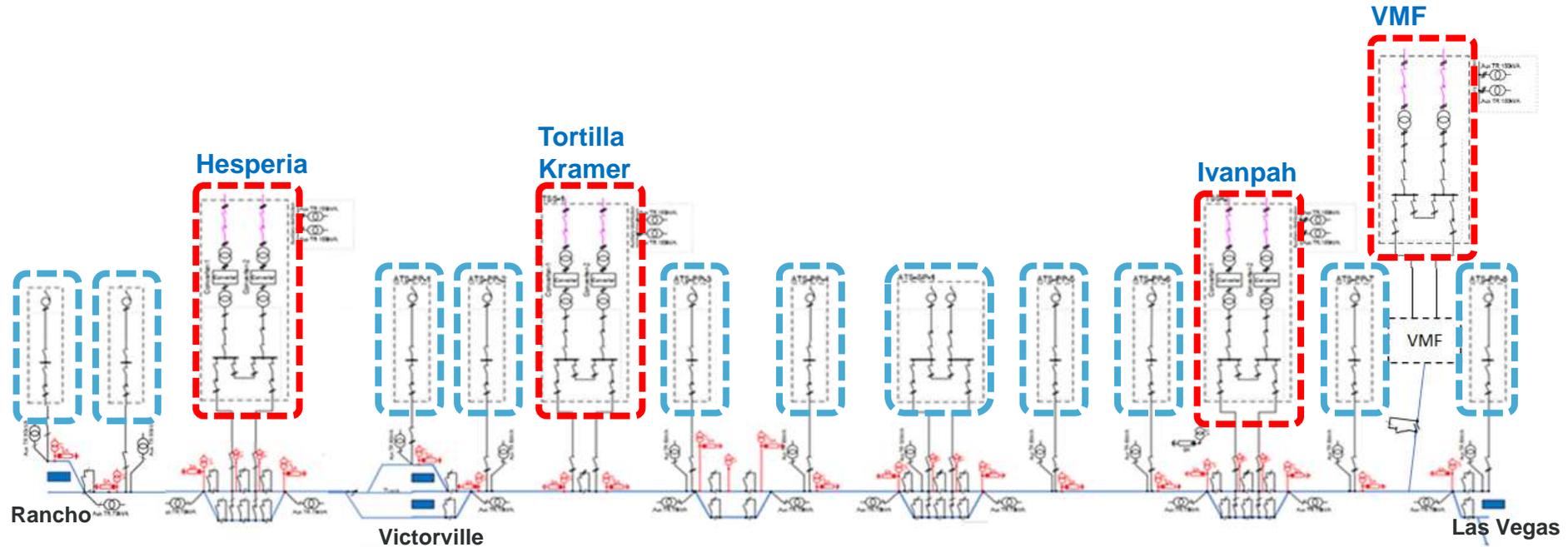


Total Single Track (miles)	166.3	76%
Total Double Track (miles)	51.6	24%
Total (miles)	217.9	100%

European Train Control System (ETCS) Level 1

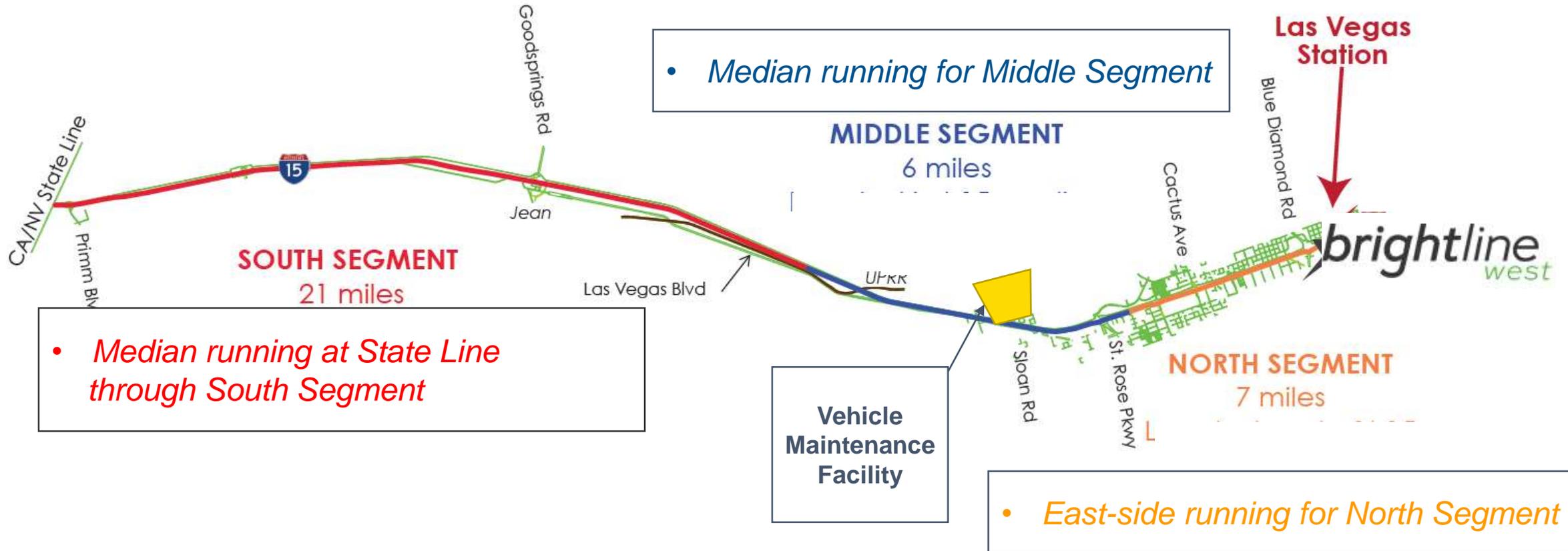


- Feed in Sites – Location of Traction power substations
- ATS Sites – Voltage boosting to maintain Traction power voltage

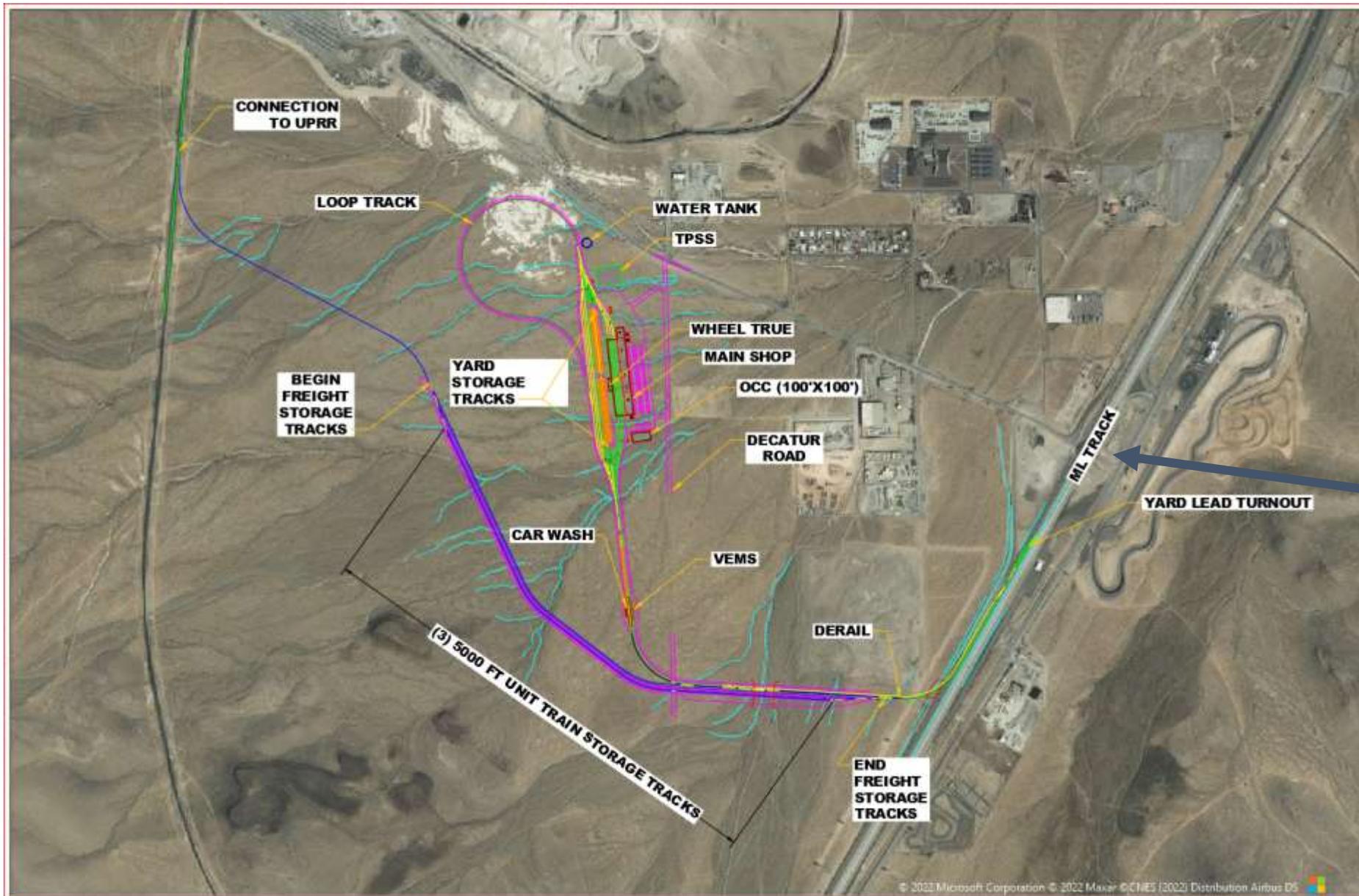


Rail Alignment:

In California: Primarily Median Running: In Nevada, per below

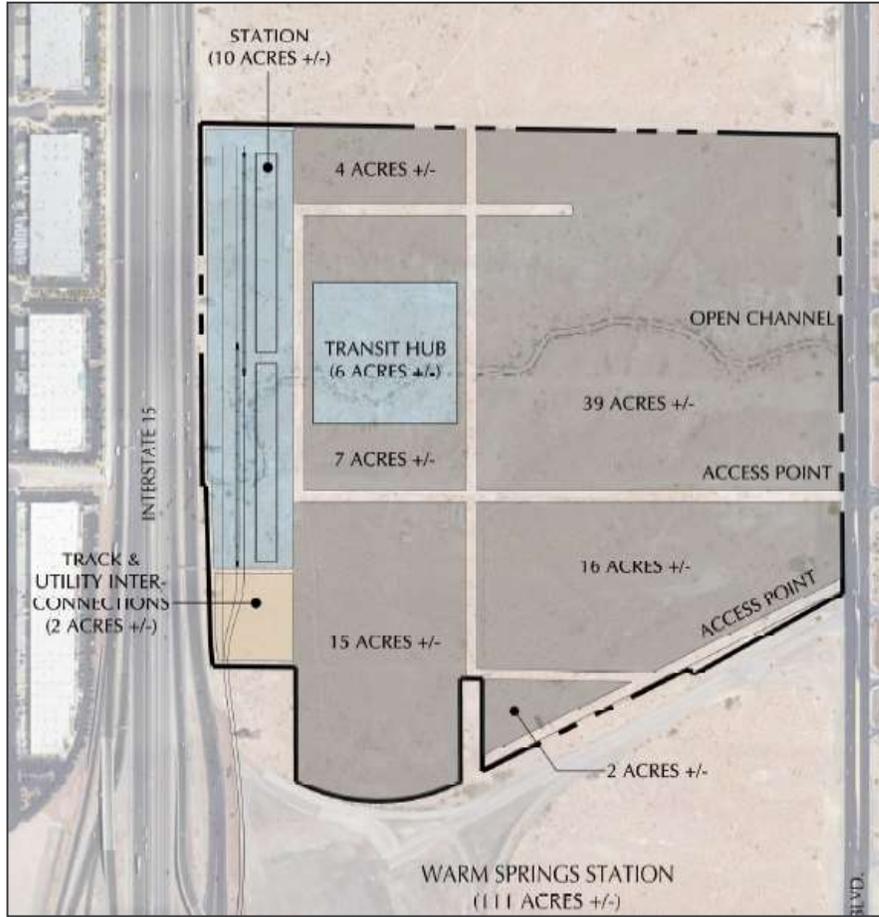


Planned Maintenance Facility (Depot) Site



I-15 and Sloan Interchange

Las Vegas Station Site

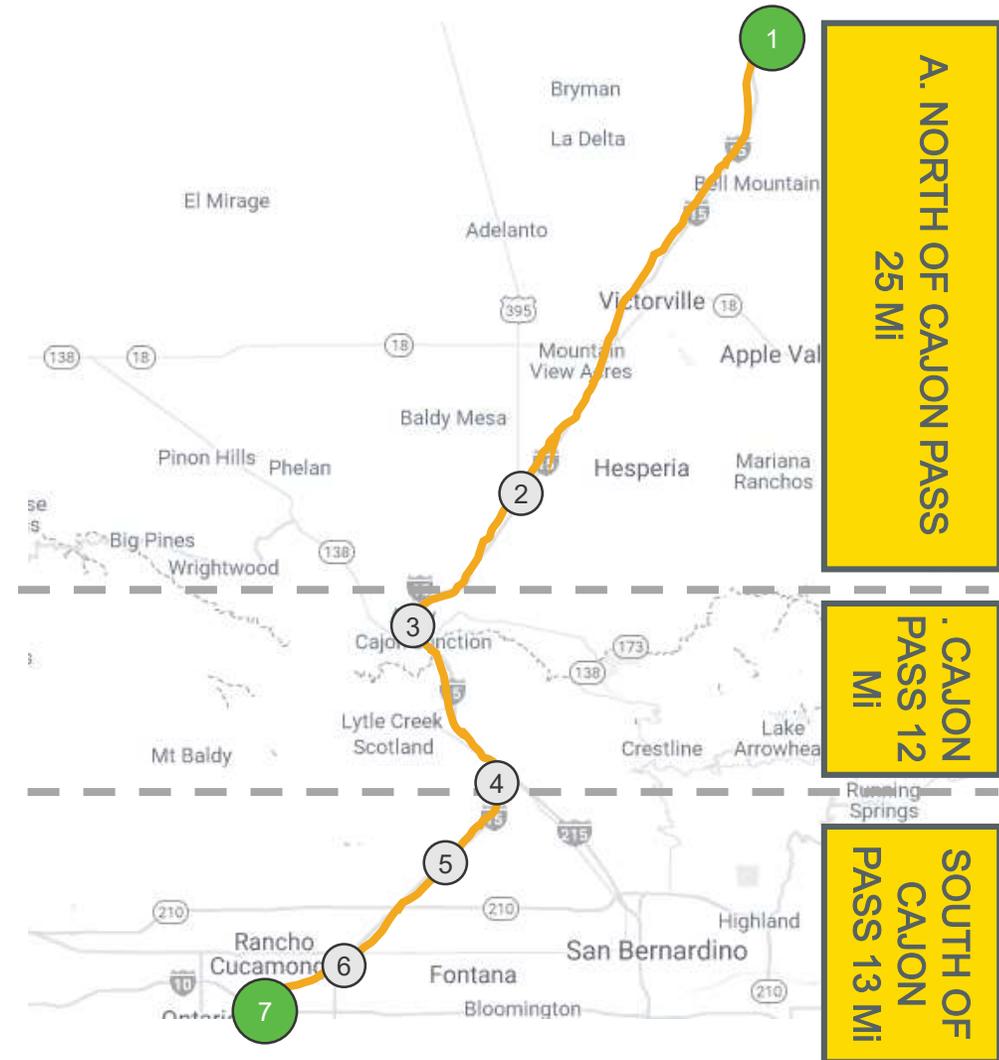


Victor Valley to Rancho Cucamonga Alignment

Eliminates need to build express lanes and provides a significant safety benefit by replacing car travel

Key Locations on Alignment:

1. Victor Valley station site
2. Hesperia inline station
3. Cajon Pass
4. I-15 and I-215 split
5. Begin express lanes footprint
6. Exit I-15 and move onto 8th St.
7. Rancho Cucamonga station



Rancho Cucamonga Station Site



Victor Valley to Rancho Cucamonga Stakeholder Involvement

FRA

- Advancing NEPA and Section 106

Caltrans

- Memorandum of Understanding executed with Caltrans, CalSTA and CAHSR

SBCTA and City of Rancho Cucamonga

- MOU in place, Agreements being finalized

Metrolink / LA Metro

- Memorandum of Understanding complete
- Coordination on schedule of operations

Railroads and Utilities

- BNSF and UP – several crossings
- CHP crossings and USFS in Cajon Pass
- Other utilities

Steps to Brightline's First Ride and Beyond

2H 2022

COMPLETE ACQUISITION OF RIGHT OF WAY AND PERMITS

OCTOBER 2022

INTERCITY PASSENGER RAIL GRANT

NOVEMBER 2022

FRA COMPLETION OF ENVIRONMENTAL REVIEW & PERMITTING

2H 2022/1H 2023

BREAK GROUND ON THE SYSTEM

~3.5 years construction

OPEN FOR REVENUE SERVICE

2026

LOS ANGELES HOSTS THE WORLD CUP

2028

LOS ANGELES HOSTS SUMMER OLYMPICS





THANK YOU

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