

RAIL PLAN

California State
Rail Plan



California State Rail Plan

April 2023 Workshop Presentation

April 19, 2023



Housekeeping Items



Recording: Event is being recorded and will be posted on the following page after the event: <https://dot.ca.gov/programs/rail-and-mass-transportation/california-state-rail-plan>

Participants are Muted: To ensure high quality audio.

Flow of Events: Speakers will give their presentations, followed by a breakout session and then we will close with Q&A.

Q&A: If you have any questions, please type them into the chat box.

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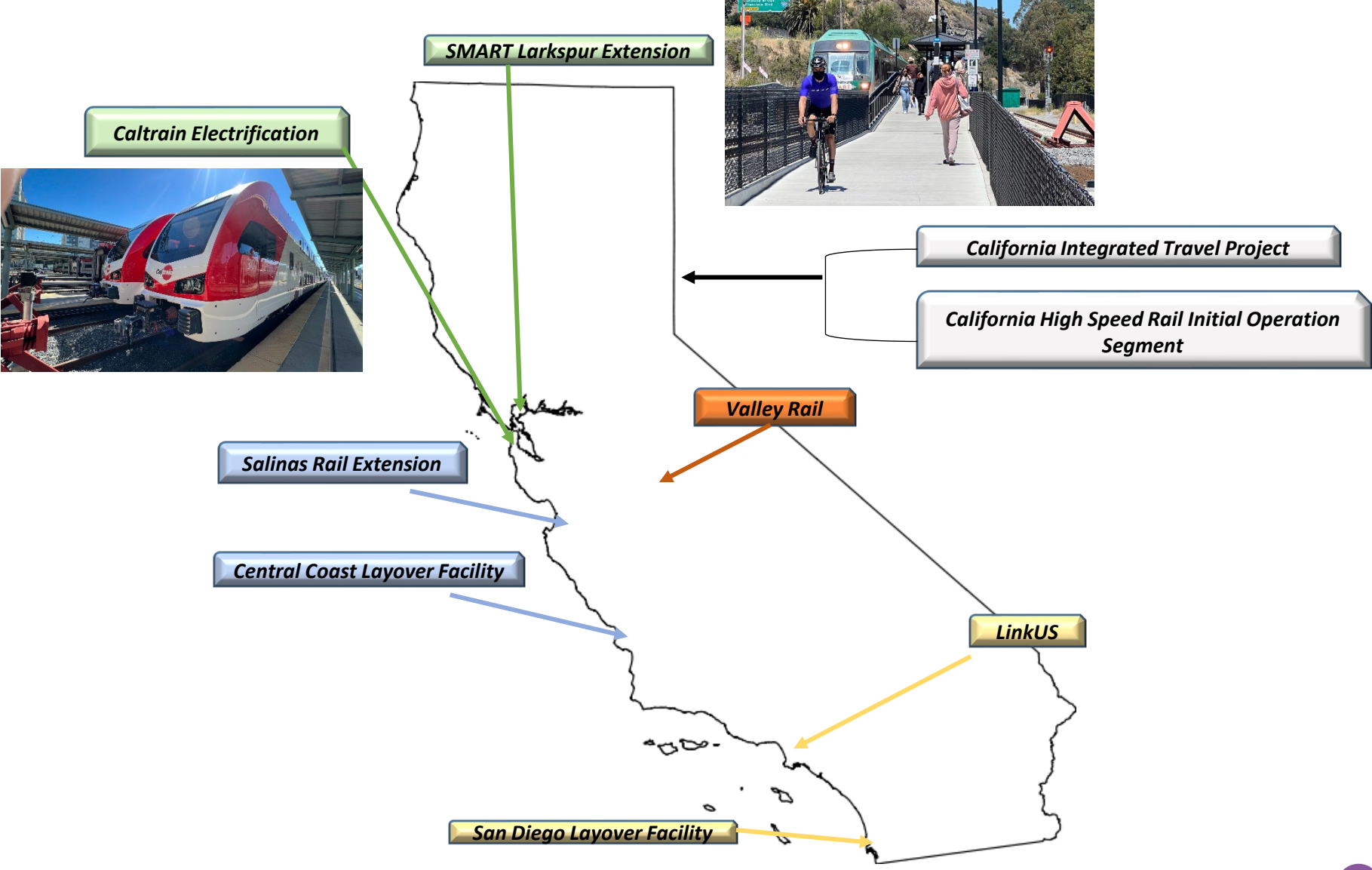
Draft released March 10th



- **Reaffirms the statewide vision**
Integrated statewide rail and transit network
Seamless transfers
Provides capacity for robust growth in passenger and freight rail
- **Advises priorities for state investment**
Near term (5 year), Mid-term (10 year) and Long term (2050) capital projects
Phases implementation of improvements
Addresses climate change and resiliency
- **Devises implementation strategies**
Highlights transition to zero emission operations by 2050
Contactless, open-loop payments



Progress Since the 2018 California State Rail Plan



California State Rail Plan

Network and Service Vision



Planning Horizons



Long-Term Vision

Level of Detail: **Conceptual Planning**

Goals: Multi-party goal integration, assessment of opportunities and constraints, identification of high-level tradeoffs



Mid-Term Phasing

Level of Detail: **Service Planning**

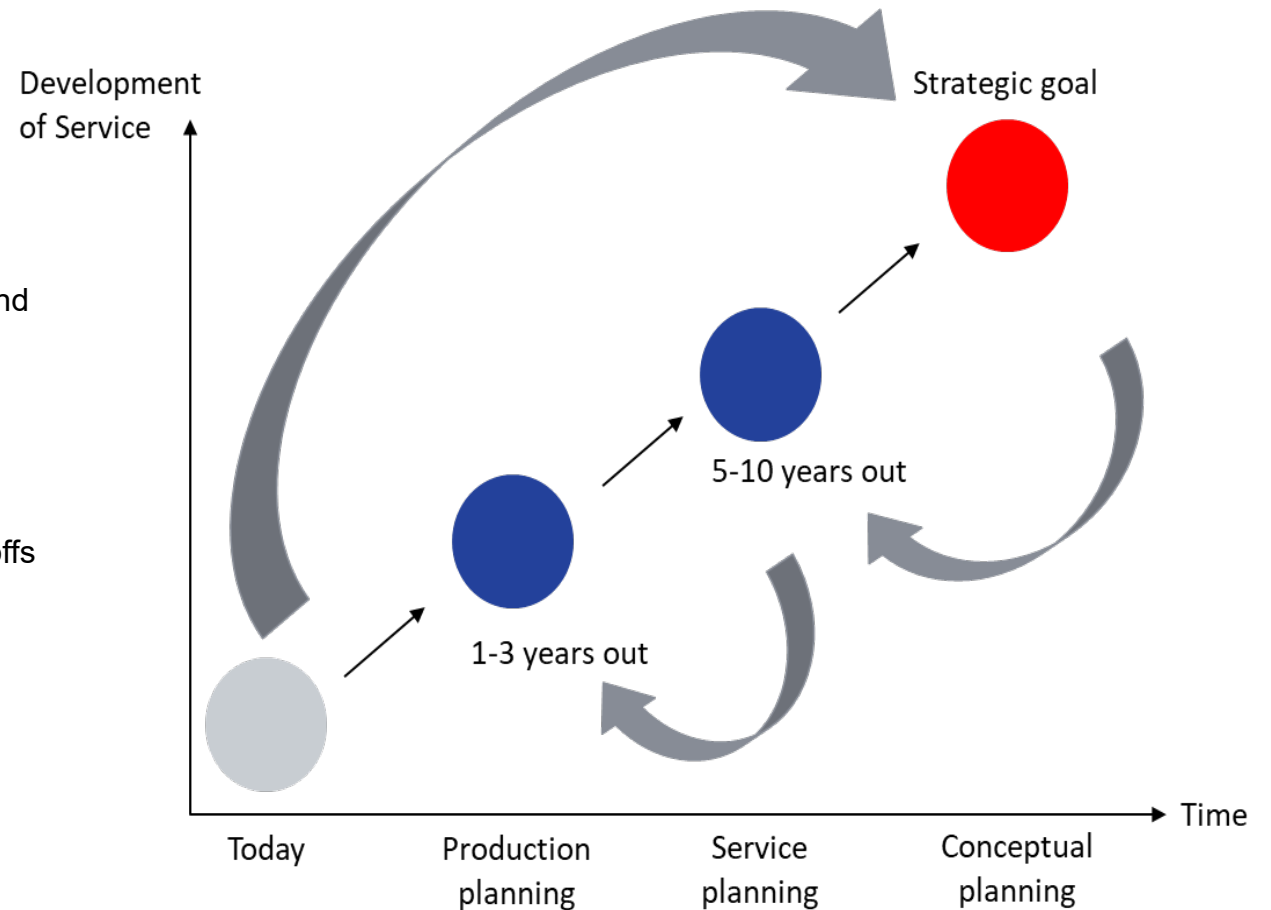
Development of multiple service scenarios, identification of tradeoffs in a semi-constrained environment



Near-Term Delivery

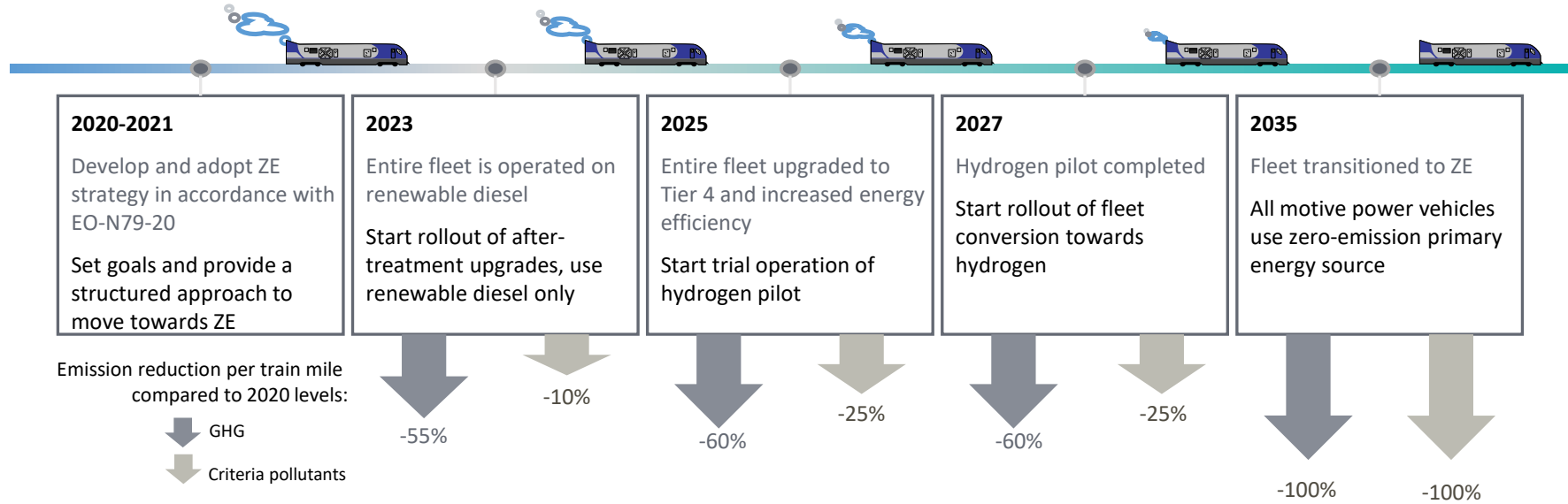
Level of Detail: **Production Planning**

Service and operational adjustments within defined and highly constrained infrastructure and institutional agreements

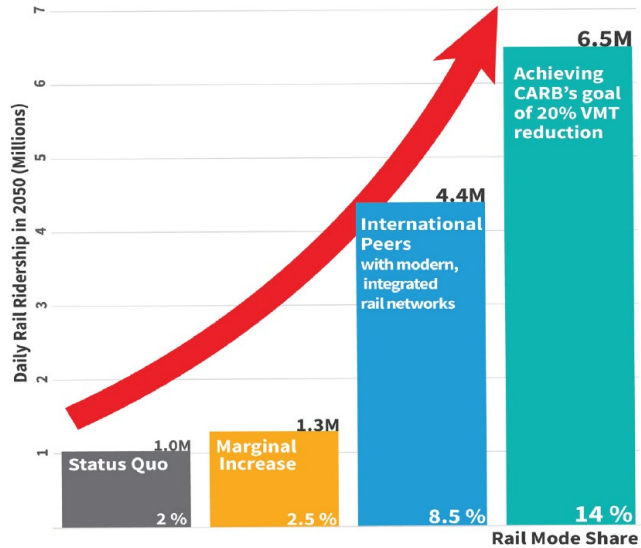


Overview and Key Takeaways

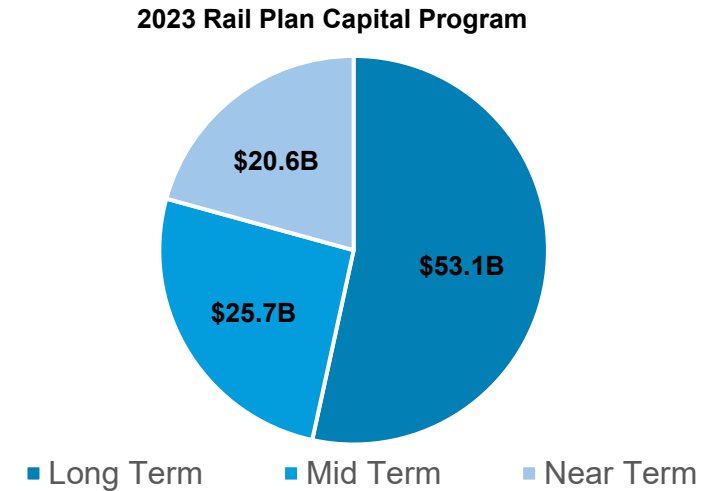
Leading the transition to zero-emission operations:



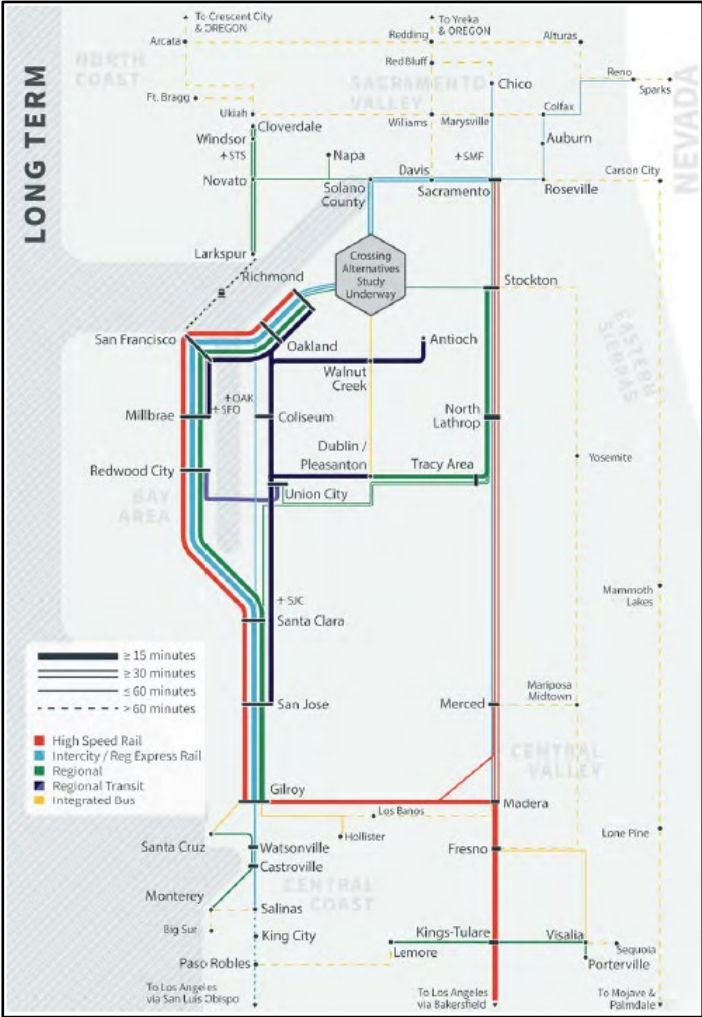
Leading the shift from highway to transit:



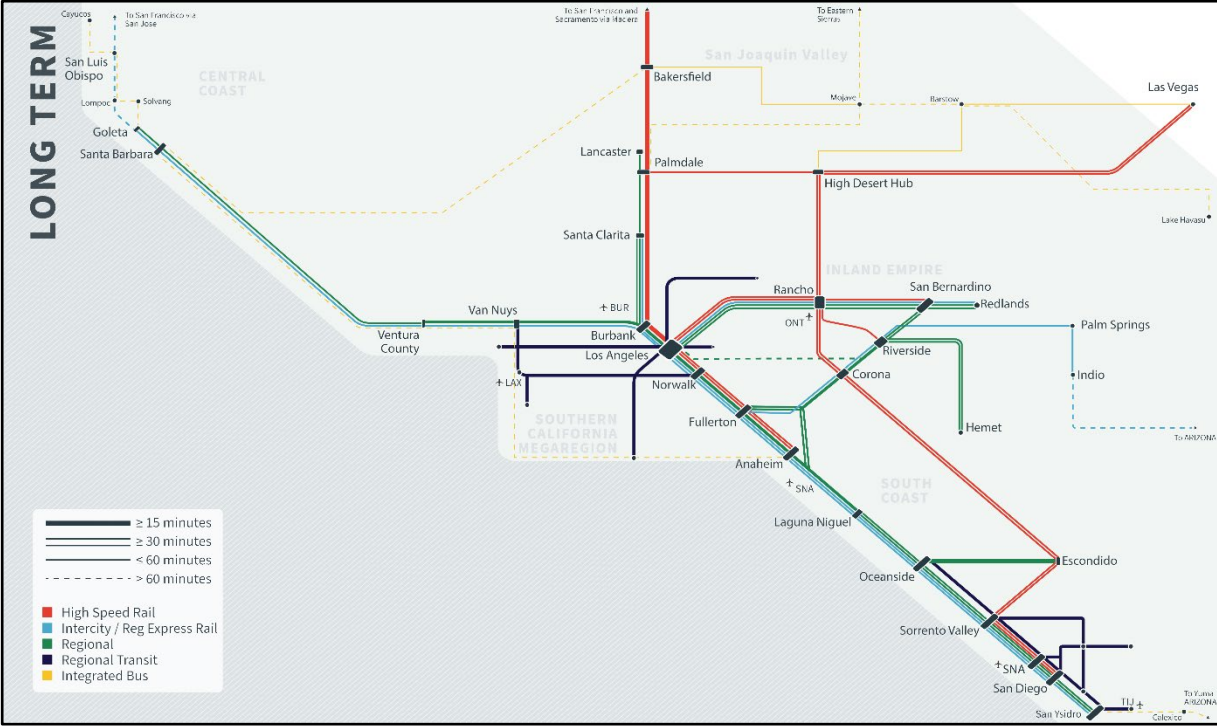
Investing in the resiliency of the State's infrastructure:



Overview and Key Takeaways Cont.



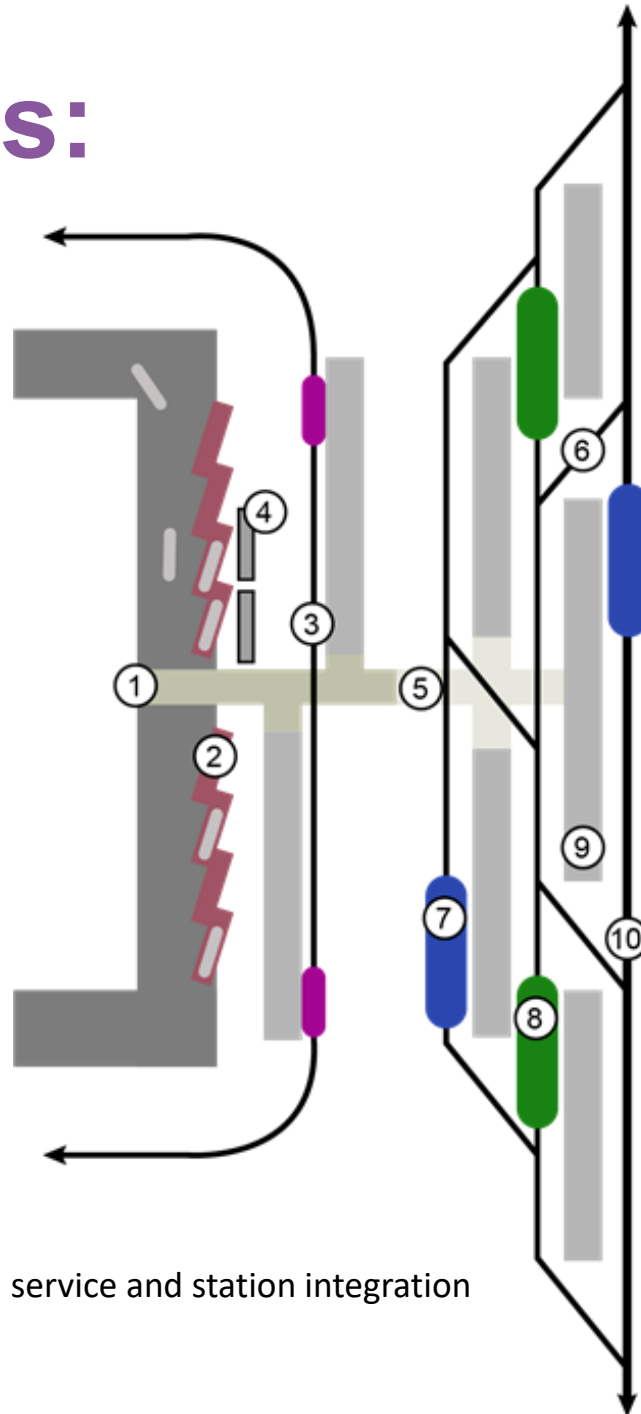
The Rail Plan sets the Vision for the State's future network:



Technical Outputs:

Connectivity Hubs

- ① **Pedestrian Infrastructure:** Exclusive pedestrian crosswalks and walkways enable pedestrians to access stations and make multimodal connections.
- ② **Bus Bays:** Bus bays provide easy bus-rail connections for local, regional, and intercity bus services. Bus and rail schedules must be integrated to ensure seamless connections.
- ③ **Local Rail:** Local rail transit connections extend the reach of intercity and regional rail and increase accessibility. Local rail transit should be **high-frequency** and be easy to reach from the rail platforms.
- ④ **Bicycle Parking:** Bike rack and locker spaces enable simple bicycle station access. Facilities must be protected and secure.
- ⑤ **Pedestrian Tunnels:** Pedestrian tunnels provide access to train platforms while maintaining grade separation and enhancing safety.



- ⑥ **Crossover Track:** Station crossover tracks offer greater operational flexibility and provide greater capacity.
- ⑦ **Intercity Rail:** Intercity rail provides statewide connections and runs on a regularized **pulse frequency** to seamlessly connect with regional rail, local rail, and bus services.
- ⑧ **Regional Rail:** Regional rail provides regional connections and runs on a regularized **pulse frequency** to seamlessly connect with intercity rail, local rail, and bus services.
- ⑨ **Platform:** Station platforms should be sheltered and offer amenities such as comfortable seating, real-time arrival information, and adequate lighting.
- ⑩ **Main Line:** The main line rail track connects the station to other stations on the network. It also allows freight rail to pass the station without interfering with passenger operations.

Diagram of "pulsed" service and station integration

Wetzikon Station
Zürich, Switzerland

An example of Network
Integration

Freight System Opportunities

Trade Corridor
Improvements

Terminal and Yard
Capacity

Short Haul Services

Economic
Development and
Short Lines

Grade Crossing
Improvements

Advance
Zero-Emission
Technologies

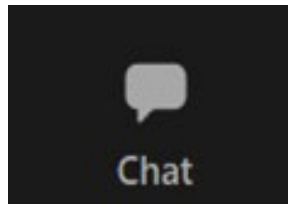


Group Discussion

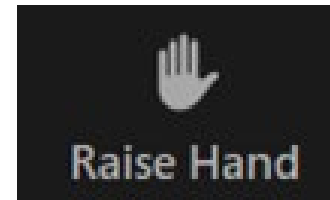
Breakout Room 1 – Northern California

Breakout Room 2 – Southern California

Please type your
comments and
questions in the chat.



To speak over audio,
please raise your
hand.



Draft Rail Plan is Currently Out for Review



- Draft Plan released **March 10, 2023**
- Public comment period open until **May 10, 2023**
- Please send comments to: RailPlan@dot.ca.gov
- Final State Rail Plan – **Spring 2023**

Questions?

Website: <https://dot.ca.gov/programs/rail-and-mass-transportation/california-state-rail-plan>

Email: RailPlan@dot.ca.gov