



LOSSAN Corridor Capital Projects Update

Construction Network | September 12, 2023



What is LOSSAN?

The LOSSAN Agency

11-member Board of Directors

Nine member agencies

Managing agency:
Orange County
Transportation Authority

Manages and
administers Pacific
Surfliner service



What is LOSSAN?

Los Angeles – San Diego – San Luis Obispo Rail Corridor

351-mile rail corridor through six counties

Hosts busiest state-supported Amtrak route in United States



LOSSAN Agency Priorities

- Champion Environmental Sustainability and Resiliency
 - Coordinate on corridor-wide efforts with stakeholders to address impacts of climate change
 - LOSSAN Agency led application submitted for Federal Corridor Identification and Development Program
- Improvements on Northern End of Corridor
 - Agreement with Union Pacific for improvements necessary to increase service north of Los Angeles
 - Construction of additional track capacity, siding extensions, bridge replacements, signal and switch upgrades
- Service Expansion Consistent With State Rail Plan Goals
 - Relocation and expansion of existing layover facilities in San Luis Obispo and Goleta
 - New facility in San Diego
 - Increase overnight storage and servicing capacity
- Optimizing Operations of Pacific Surfliner Service
 - Coordinate with Amtrak, Caltrans and JPA partners to implement cost-effective service level increases commensurate with demand

Challenges and Opportunities

- Heavily utilized, but constrained rail corridor
 - 80-percent of corridor **North** of Los Angeles is single-track
 - 20-percent of corridor **South** of Los Angeles is single-track
- Over \$5 billion in capital needs
 - Track capacity, station improvements, signal and communications upgrades
- Growing ridership demand, but limited ability to grow service
 - Limited capacity
 - Shortage of additional passenger equipment and crews
 - Current limits on operating slots on freight railroads



Operating & Capital Improvements

- There is renewed statewide and national interest in investing in the future of passenger rail travel
- The LOSSAN Agency has been awarded over \$400 million in funding since 2015 to implement capital or operating improvements to the Pacific Surfliner service.
 - Additional infrastructure capacity
 - Expanded layover & maintenance facilities
 - Station and corridor safety improvements
 - Corridor optimization, reliability, and network integration



Existing Capital Projects

Timeline

Project	Lead Agency	Current Phase	PAED	PS&E	Const	Project Completion
Central Coast Layover Facility Expansion (Phase 1)	LOSSAN	PAED	<i>Mid 2019 (Completed)</i>	<i>Early 2023 (Started)</i>	Late 2024	End 2026
Goleta Layover Facility Expansion	LOSSAN	PS&E	N/A	<i>Mid 2019 (Started)</i>	Early 2025	Early 2026
Leesdale Siding Upgrade and Extension	LOSSAN	PS&E	N/A	<i>Mid 2023 (Started)</i>	Mid 2025	Mid 2027
Ortega Siding Project	LOSSAN	PSR	Early 2024	Mid 2025	Early 2029	Early 2031
Seacliff Siding Extension	LOSSAN	PSR	Mid 2024	Mid 2026	Mid 2027	Mid 2029
Coastal Resiliency / Safety Improvements	UPRR	Const	N/A	N/A	<i>Mid 2020 (Started)</i>	Mid 2025
CTC / Powered Sidings	UPRR	<i>Const (Complete)</i>	<i>Early 2020 (Complete)</i>	<i>Mid 2020 (Complete)</i>	End 2020 Completed	Late 2023 (Project in Closeout)
Narlon Bridge Replacement	UPRR	<i>Const (Complete)</i>	<i>Completed</i>	<i>Completed</i>	<i>Completed</i>	<i>Completed</i>
Canada Honda Bridge Replacement	UPRR	PAED	<i>Mid 2021 (Started)</i>	<i>Late 2022 (Started)</i>	Mid 2023	Late 2024
Lompoc Surf Bridge Replacement	UPRR	PSR	Early 2024	Mid 2025	Late 2026	Late 2027
Upgrade of Rail/Tie Replacement	UPRR	<i>Const (Complete)</i>	<i>Completed</i>	<i>Completed</i>	<i>Completed</i>	<i>Completed</i>
Camarillo Station Improvement	City of Camarillo	PAED	<i>Mid 2021 (Started)</i>	Early 2024	Early 2025	End 2026

Note: All above dates are estimated begin phase dates and subject to change

Existing Capital Projects

Estimated and Funded Costs

Project	Cost	\$ Funded	Project	Cost	\$ Funded
Central Coast Layover Facility Expansion (Phase 1)	\$41.5 M	\$41.5 M	Honda Bridge Replacement	\$44.1 M	\$36.0 M
Goleta Layover Facility Expansion	\$14.4 M	\$14.4 M	Camarillo Station Improvements	\$15.0 M	\$15.0 M
Leesdale Siding Upgrade and Extension	\$69.5M	\$69.5M	Seacliff Siding Extension	\$26.5 M	\$0.0 M
Ortega Siding	\$33.1 M	\$10.7 M	Lompoc – Surf Bridge Replacement	\$60.0 M	\$14.0 M
Coastal Resiliency / Safety Improvements	\$90.0 M	\$33.6 M			
Total Expected Cost				\$394.1 M	
Total Currently Funded					\$234.7 M

Note: All above costs are estimated and subject to change

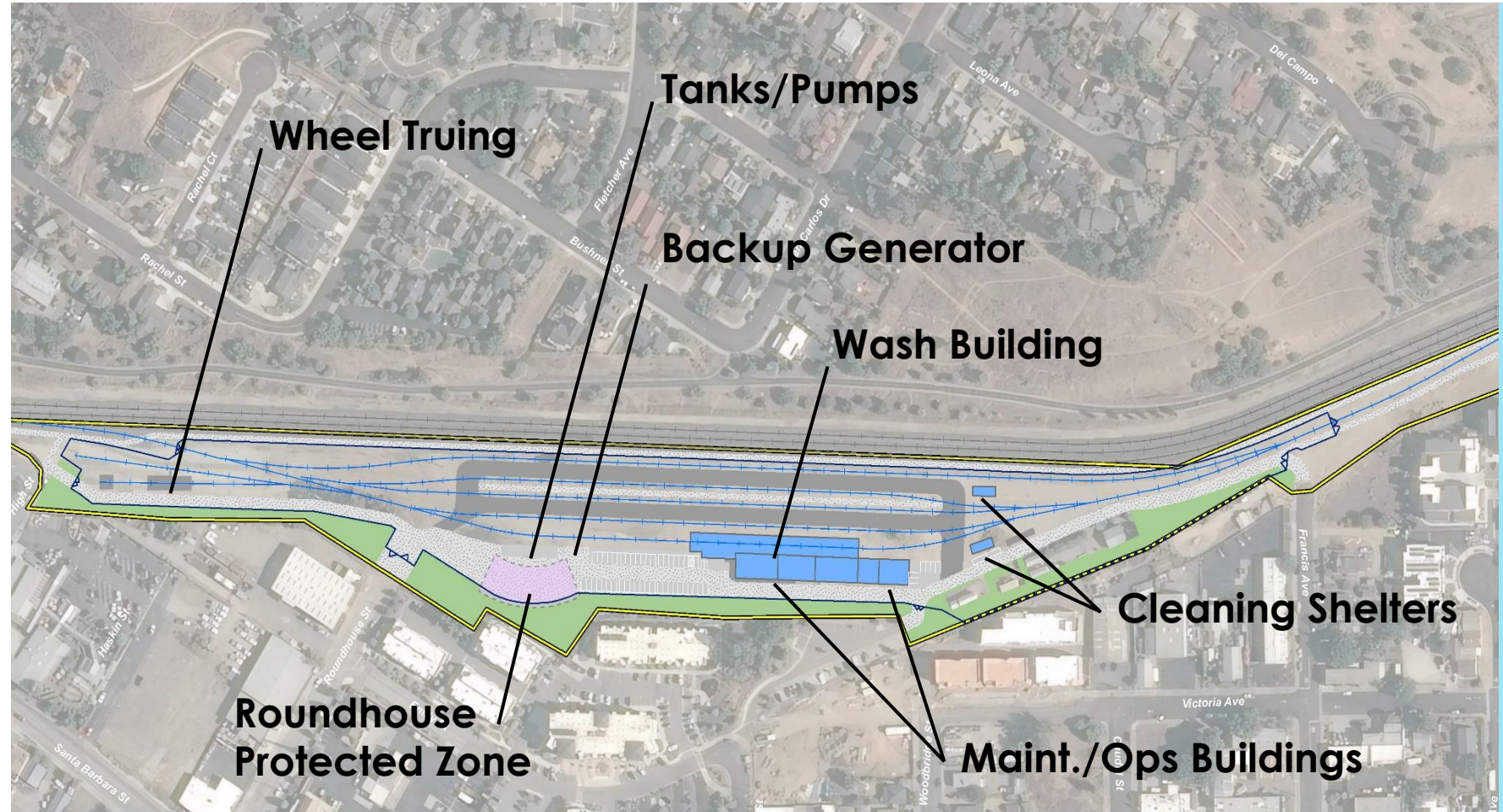
Existing Capital Projects

Additional detail on
LOSSAN priority projects



Central Coast Layover Facility

- Located in the City of San Luis Obispo
- Expansion and relocation of existing layover track and facility.
- Goal is to improve layover and storage capacity to support rail service goals.
- EIR Certified by LOSSAN Board in December 2022.
- Final Design in progress.
- Project is fully funded through construction.
- Current project estimate - \$41.5M

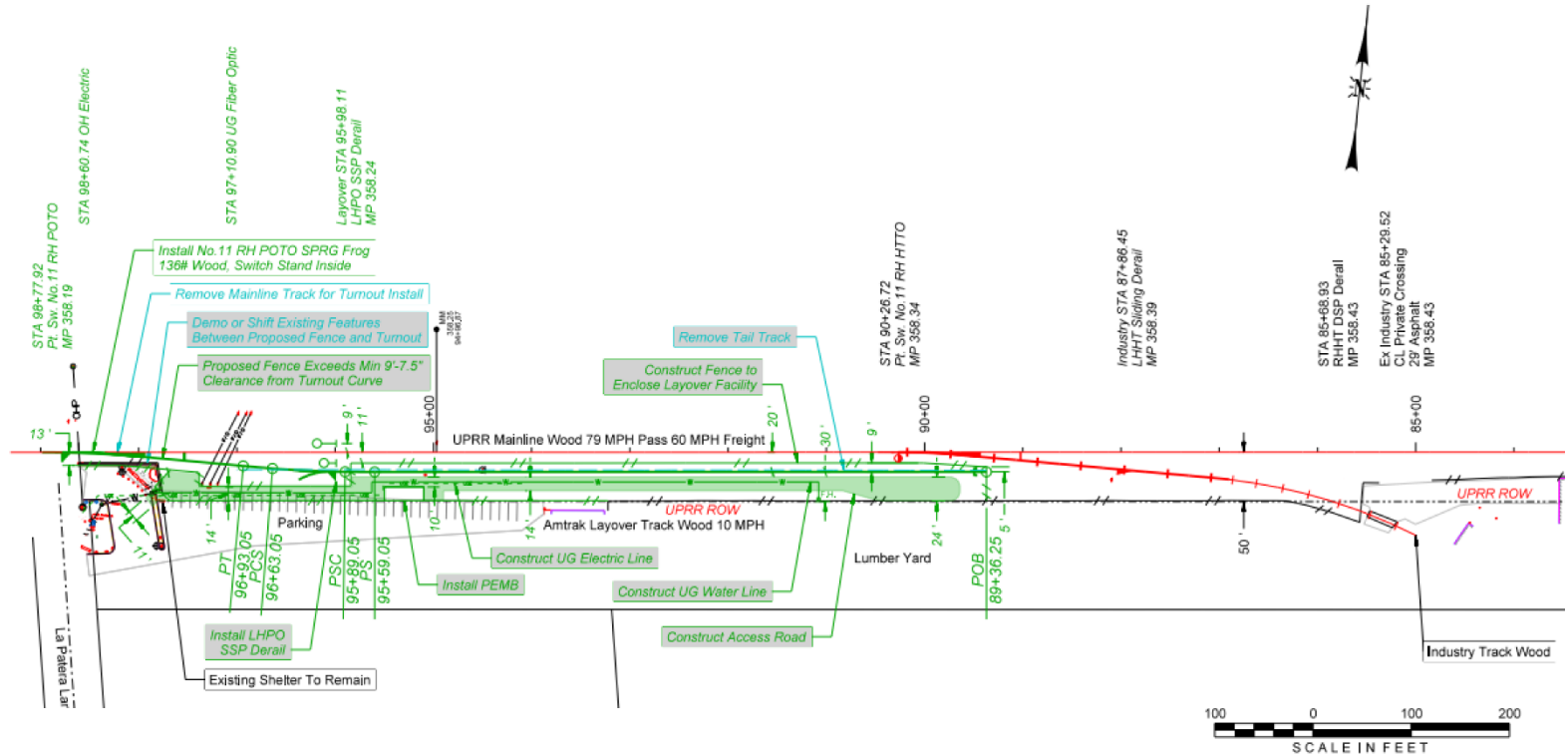


- Project Site
- Proposed Building
- Proposed Landscaping
- Access
- Roundhouse Protected Zone
- Existing Track
- Proposed Track
- Proposed Fencing



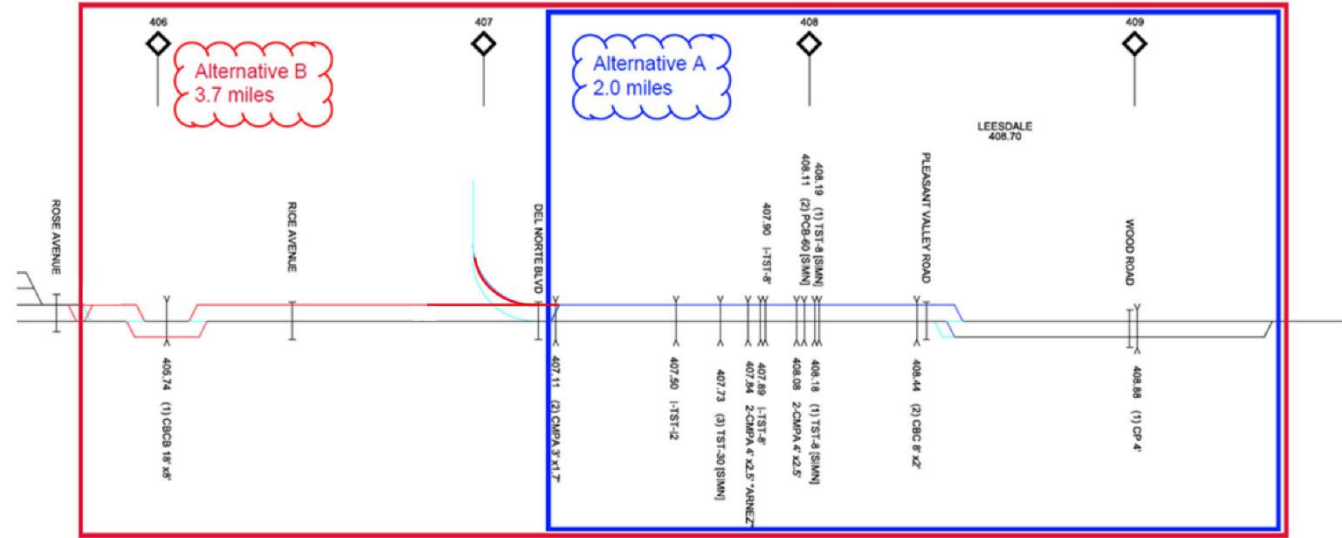
Goleta Layover Facility Expansion

- Expansion of Amtrak's Goleta layover facility in the City of Goleta to accommodate a second train set.
- Includes construction of an additional layover track to double the size of the servicing capacity.
- Currently in final design.
- Project is fully funded through construction.
- Current project estimate - \$14.4M



Leesdale Siding Upgrade and Expansion

- Includes extending the existing 3,300 ft Leesdale siding.
- Several alternatives are being assessed, will likely proceed with alternative to extend the siding to 3.7 miles.
- Allows for greater operational flexibility for Pacific Surfliner and Metrolink service.
- Final Design contract executed.
- Project is fully funded through construction.
- Current Project Estimate - \$69.5M



Ortega Siding

- Located in Santa Barbara County, north of Carpinteria.
- Project includes construction of a siding track, signalized CTC with powered turnouts, improved drainage, and new bridges for the siding.
- PSR was completed in June 2023.
- Partial project funding, seeking additional funding.
- Current project estimate - \$33.1M

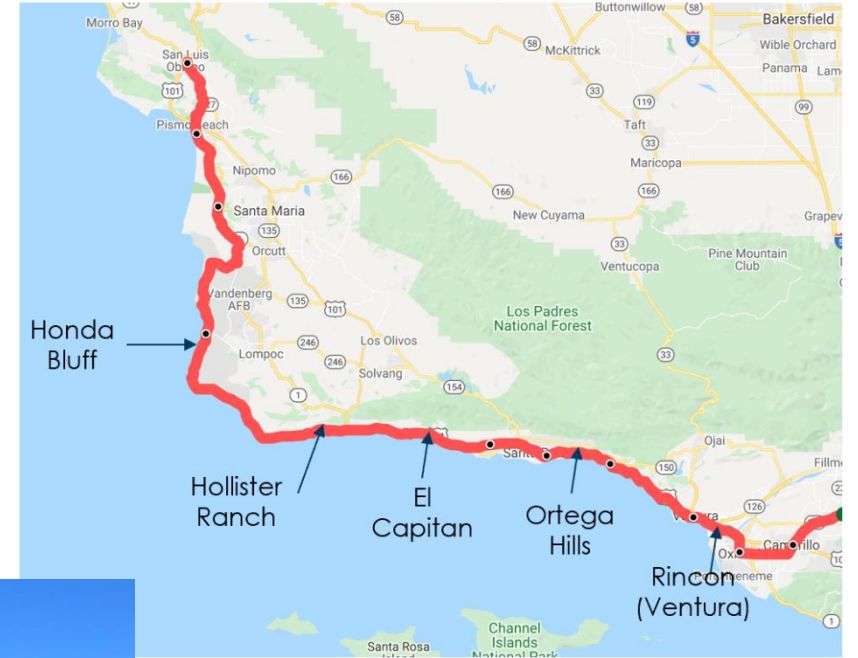


Upcoming Capital Projects

Coastal Resiliency and Bluff Stabilization is a high priority for LOSSAN in:

- San Diego
- Orange
- Ventura
- Santa Barbara

Santa Barbara and Ventura Counties



Coastal Resiliency

- There are Coastal Resiliency challenges along the LOSSAN Corridor.
- LOSSAN is working with Union Pacific Railroad on short term stabilization repairs at 5 key areas on the north end of the corridor.
- SANDAG is performing short term repairs on the southern end of the corridor and beginning design on long term track relocation.
- Orange County has initiated a study to define short- and mid-term solutions to address resiliency issues along the corridor in south Orange County.



Upcoming Procurements

- For more information on upcoming procurements, contact:

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QUESTIONS?