



**LOSSAN Rail Corridor Agency**  
**Technical Advisory Committee Meeting**  
**Agenda**  
**Thursday, May 2, 2024 at 12:00 p.m.**

550 South Main Street, Orange, California

**LOSSAN RAIL CORRIDOR AGENCY**

**Technical Advisory Committee - Membership Roster**

Written public comments may also be submitted by emailing them to [lossantac@octa.net](mailto:lossantac@octa.net), and must be sent 90 minutes prior to the start time of the meeting. If you wish to comment on a specific agenda item, please identify the item number in your email. All public comments that are timely received will be part of the public record and distributed to the TAC Committee.

If you have any questions regarding this new format or any upcoming meeting plans, please contact Michelle Alonso, LOSSAN Executive Assistant, at 714-560-5415 or [malonso@octa.net](mailto:malonso@octa.net).



## **TECHNICAL ADVISORY COMMITTEE MEETING AGENDA**

---

### **Call to Order**

#### **1. Public Comments**

At this time, members of the public may address the Board of Directors regarding any items within the subject matter jurisdiction of the Board of Directors, but no action may be taken on off-agenda items unless authorized by law. Comments shall be limited to three minutes per speaker, unless different time limits are set by the Chairman subject to the approval of the Board of Directors.

### **Consent Calendar**

All items on the Consent Calendar are to be approved in one motion unless a Committee Member or a member of the public requests separate action or discussion on a specific item.

#### **2. Approval of Minutes**

James D. Campbell

### **Discussion Items**

#### **3. Equipment Update**

James D. Campbell

#### **4. Capital Program Update**

James D. Campbell



## **TECHNICAL ADVISORY COMMITTEE MEETING AGENDA**

---

**5. Upcoming Draft Board Agenda Items**

James D. Campbell

**6. Los Angeles – San Diego – San Luis Obispo Rail Corridor Agency Update**

**7. Technical Advisory Committee Members' Report**

**8. Adjournment**

The next regularly scheduled meeting of this Committee will be held at 10:00 a.m. on DAY, MONTH, 2022, at the Orange County Transportation Authority, Board Room, 550 South Main Street, Orange, California.



# Los Angeles – San Diego – San Luis Obispo Rail Corridor Agency **TECHNICAL ADVISORY COMMITTEE**

**MARCH 7, 2024, TAC MEETING MINUTES**

The Los Angeles – San Diego – San Luis Obispo (LOSSAN) Rail Corridor Agency (Agency) Technical Advisory Committee (TAC) met on March 7, 2024, at the Los Angeles County Metropolitan Transportation Authority, Henry Huntington Room.

## **Committee members in attendance:**

Lance Okuno, SLOCOG  
Aaron Bonfilio, SBCAG  
Jay Fuhrman, LA Metro  
Megan Taylor, OCTA (Alternate)  
Katie Persons, NCTD  
Brent Boyd, MTS  
Peter Casellini, SANDAG  
Aubrey Smith, VCTC  
Claire Grasty, VCTC (Alternate)  
Sheldon Peterson, RCTC  
Anna Devers, SANDAG (Alternate)

## **Welcome and Introductions**

Mr. James Campbell, LOSSAN Operations Officer, opened the March 7, 2024, LOSSAN Agency TAC meeting and welcomed the TAC members to Los Angeles County Metropolitan Transportation Authority, in the Henry Huntington Room.

### **1. Public Comments**

## **CONSENT CALENDAR**

### **2. Approval of February Meeting Minutes**

### **3. Fiscal Year 2023-24 First Quarter Los Angeles – San Diego – San Luis Obispo Rail Corridor Trends**

*Mr. Aubrey Smith (VCTC) motioned to approve the items, seconded by Mr. Peter Casellini (SANDAG). The Committee approved the Consent items.*



## **DISCUSSION CALENDAR**

### **4. Fiscal Year 2023-24 First Quarter Amtrak Pacific Surfliner On-Time Performance Analysis**

Mr. Kristopher Ryan (LOSSAN) provided a presentation of the Pacific Surfliner On-Time performance analysis for the first quarter of federal fiscal year 2023-24, which included the monthly average customer on-time performance, delays, and improvements.

*A discussion ensued regarding the impact on assaults and vandalism on delays. There was no further discussion.*

### **5. Pacific Surfliner Marketing Update**

Ms. Puja Thomas-Patel (LOSSAN) presented the second quarter of fiscal year 2023-24 marketing update, which includes the performance summary, marketing updates, upcoming campaigns, and influence partnerships.

*A discussion ensued regarding special event service and partnerships around the X Games. There was no further discussion.*

### **6. Pacific Surfliner Service Update**

Mr. Campbell provided a verbal update on the resumed limited service through San Clemente, totaling five roundtrips, which includes bus bridges between Los Angeles to San Diego. Mr. Campbell also mentioned the Del Mar Bluff work, including future closures for the springtime.

*A discussion ensued regarding the increase in service. There was no further discussion.*

### **7. Upcoming Draft Board Agenda Items**

Mr. Campbell (LOSSAN) provided a brief overview of the agenda items for the March 18, 2024, LOSSAN Agency Board of Directors' meeting.

*There was no further discussion.*

**8. Los Angeles – San Diego – San Luis Obispo Rail Corridor Agency Update**

An update was provided on the ridership, including the suspension of service through South Orange County. Mr. Campbell also mentioned a fleet deployment meeting with Caltrans and San Joaquins staff held earlier that morning, followed by an initial stakeholder meeting with Caltrans on the Corridor ID Program.

*There was no further discussion.*

**9. Technical Advisory Committee Members' Report**

*Mr. Aaron Bonfilio (SBCAG) mentioned the allocation request with CTC for construction funding for the Goleta train depot and the CalSTA reached out to have SBCAG host the next LOSSAN Regional Rail Working Group meeting later this spring.*

*Aubrey Smith (VCTC) mentioned the update X Games and a brief update on the Camarillo station ADA improvement project.*

*Mr. Sheldon Peterson (RCTC) mentioned the Coachella Valley Rail Project selection in the Corridor ID Program.*

*Ms. Megan Taylor (OCTA) announced that Angel Express service resumes beginning March 26<sup>th</sup>.*

*Mr. Peter Casellini (SANDAG) mentioned work has started on the Del Mar Bluff Phase 5 Stabilization project and continues on the Del Mar Tunnel project.*

*Mr. Lijia Zhang (HSR) submitted a written update stating: A draft 2024 Business Plan was issued on February 9, 2024, with a 60-day public comment period that will run through April 9, 2024. The 2024 Business Plan will be considered by the Authority Board of Directors on Wednesday, April 11, 2024. In compliance with CPUC 185033, the Business Plan is updated biennially (in even years), and in the intervening odd years, CHSRA will issue Project Update Reports. Also, for the LA to Anaheim project section, CHSRA plans to seek board approval for the Preferred Alternative in April. This will involve deciding whether to include interim station(s) between LinkUS and Anaheim, as well as determining the location of the LMF*

**10. Adjournment**

The next regularly scheduled meeting of this Committee is scheduled to be held on:

**Thursday, May 2, 2024**  
City of Oxnard Council Chambers  
305 West 3rd Street  
Oxnard, CA 93030





# Pacific Surfliner Equipment Update

LOSSAN Technical Advisory Committee | May 2, 2024



# Pacific Surfliner Equipment

- The Pacific Surfliner service has been utilizing bi-level cars since 2000
- 39 custom Surfliner cars were purchased new by Amtrak and 10 cars by the California Department of Transportation (Caltrans) between 1998-2001 for specific use on the Pacific Surfliner service
- Over the years, as ridership grew, additional cars were needed to lengthen trainsets and add more service
- The additional cars were leased from Amtrak's long-distance bi-level Superliner and regional single-level Horizon fleets



# Pacific Surfliner Equipment Reduction

March 2020 - ridership dropped significantly due to the COVID-19 pandemic.

Level of service was reduced 50-percent

Fleet size was reduced 29-percent

Equipment Type		Feb 2020	May 2021	May 2024
Locomotives	SC-44 Charger	14	14	14
	GE P-40 / P-42 Genesis	4	-	-
Amtrak Long-Distance Bi-Levels	Superliner Coach	15	8	9
	Superliner Coach / Baggage	4	-	-
	Superliner Sightseer Lounge	1	1	1
Single-Level	Horizon	16	-	-
	Amfleet	1	-	-
Surfliner Bi-Levels	Surfliner Coach / Baggage	11	11	11*
	Surfliner Coach	18	21	21*
	Surfliner Café	10	10	10
	Surfliner Business Class	10	10	10
TOTALS	<b>Total Locomotives</b>	<b>18</b>	<b>14</b>	<b>14</b>
	<b>Total Cars</b>	<b>86</b>	<b>61</b>	<b>62</b>

\* 1 coach / baggage and 2 coaches are currently out of service due to a vehicle strike in December 2023.

# California Intercity Passenger Car History

There has been a need for additional equipment since before to the COVID pandemic

In 2017, Caltrans placed an order for seven 7-car trainsets of the new Siemens, single-level Venture cars.

- Various issues have delayed deployment by several years.
- First coach cars began going into revenue service in December 2023
- Cab cars are not anticipated to be in service until at least July 2024
- Food service cars are not expected to be in service until July 2025.



**LOS || SAN**

[illegible]

# California Equipment Redeployment Plan

The update made to the plan in 2024 was to account for delays, as well as several additional overhaul projects and equipment work that was not included in the original plan prepared in 2022.

This included:

- Adjustment to reflect further delay in Venture car deployment
- Truck and door overhaul programs necessary for the state-owned bi-level cars to remain in SOGR
- Extensive rebuilding of some bi-level cars due to incidents that have occurred over the past two years, which have taken some cars out of service



# California Equipment Redeployment Plan

As Venture trainsets enter service, equipment will be redeployed to the Pacific Surfliner

No. of Venture Sets in Revenue Service	0	2	3	3	4	6	7
Bi-Level Car Classification	Baseline (Oct 23)	Phase 1 (~Apr 24)	Phase 2A (~Jul 24)	Phase 2B (~Jul 24)	Phase 3 (~Oct 24)	Phase 4 (~Dec 24)	Phase 5 (~Jun 25)
California 1 Coach	-	-	-	-	-	1	3
Surfliner Coach	21 <sup>1</sup>	21 <sup>1</sup>	22 <sup>1</sup>	21 <sup>1</sup>	22 <sup>1</sup>	23 <sup>1</sup>	23 <sup>1</sup>
Surfliner Café	10	10	10	10	10	11	12
Surfliner Cab	11 <sup>1</sup>	11 <sup>1</sup>	12 <sup>1</sup>	11 <sup>1</sup>	13 <sup>1</sup>	14 <sup>1</sup>	14 <sup>1</sup>
Surfliner Business Class	10	10	10	10	10	10	10
Superliner Coach	9	9	11	10	11	11	11
Superliner Sightseer Lounge	1	1	1	1	1	1	1
Comet Coach <sup>3</sup>	0	7	7	7	7	7	7
NPCU <sup>2,3</sup>	0	2	2	2	2	2	2
<b>TOTAL</b>	<b>62</b>	<b>71</b>	<b>75</b>	<b>72</b>	<b>76</b>	<b>80</b>	<b>83</b>

<sup>1</sup> One cab and two coaches are out of service due to wreck damage.

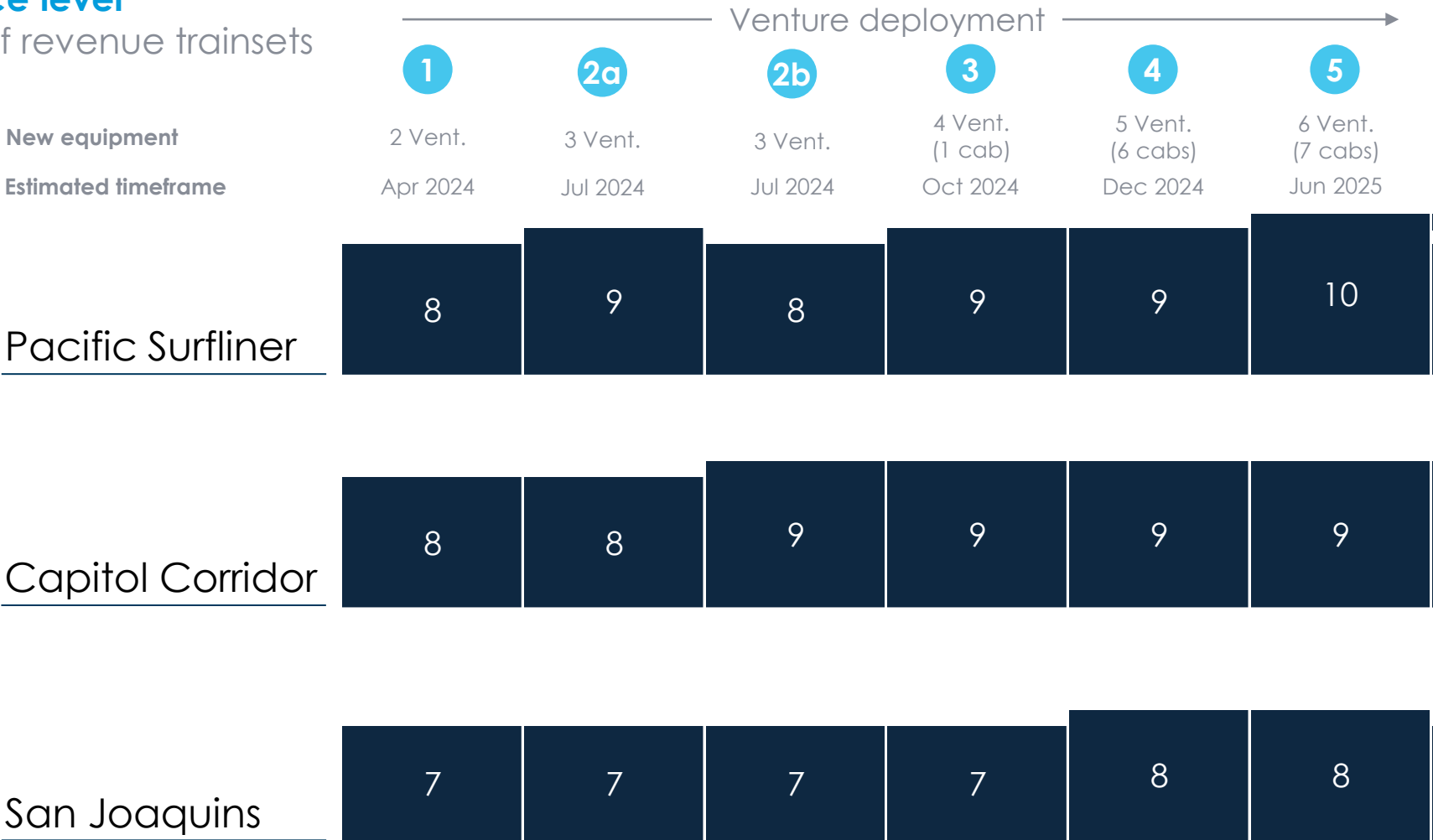
<sup>2</sup> Non-Powered Control Unit

<sup>3</sup> Special event use only

# Deployment of Venture cars enables an increase of four trainsets – enough to restore pre-pandemic service levels

## Service level

in # of revenue trainsets



# Equipment Needs for Service Growth

Options for expanding service and capacity beyond pre-pandemic service is limited in the near-term.

Options being considered include:

- Evaluate the feasibility of procuring four additional 7-car trainsets of the new Siemens, single-level Venture cars
- Work with Caltrans to develop specifications for a new bi-level procurement
- Identify segments of corridor where procured ZEMU's can operate to meet demand





QUESTIONS?





# Capital Program Update

LOSSAN Technical Advisory Committee | May 2, 2024



# LOSSAN Capital Program

- The Los Angeles – San Diego – San Luis Obispo (LOSSAN) Rail Corridor Agency (Agency) Capital Program consists of projects that are either led by or helped funded by the LOSSAN Agency through various funding programs or awarded grants.
- The Capital Program does not include corridor projects that are being led and funded by other member or partner agencies.



# Existing Capital Projects

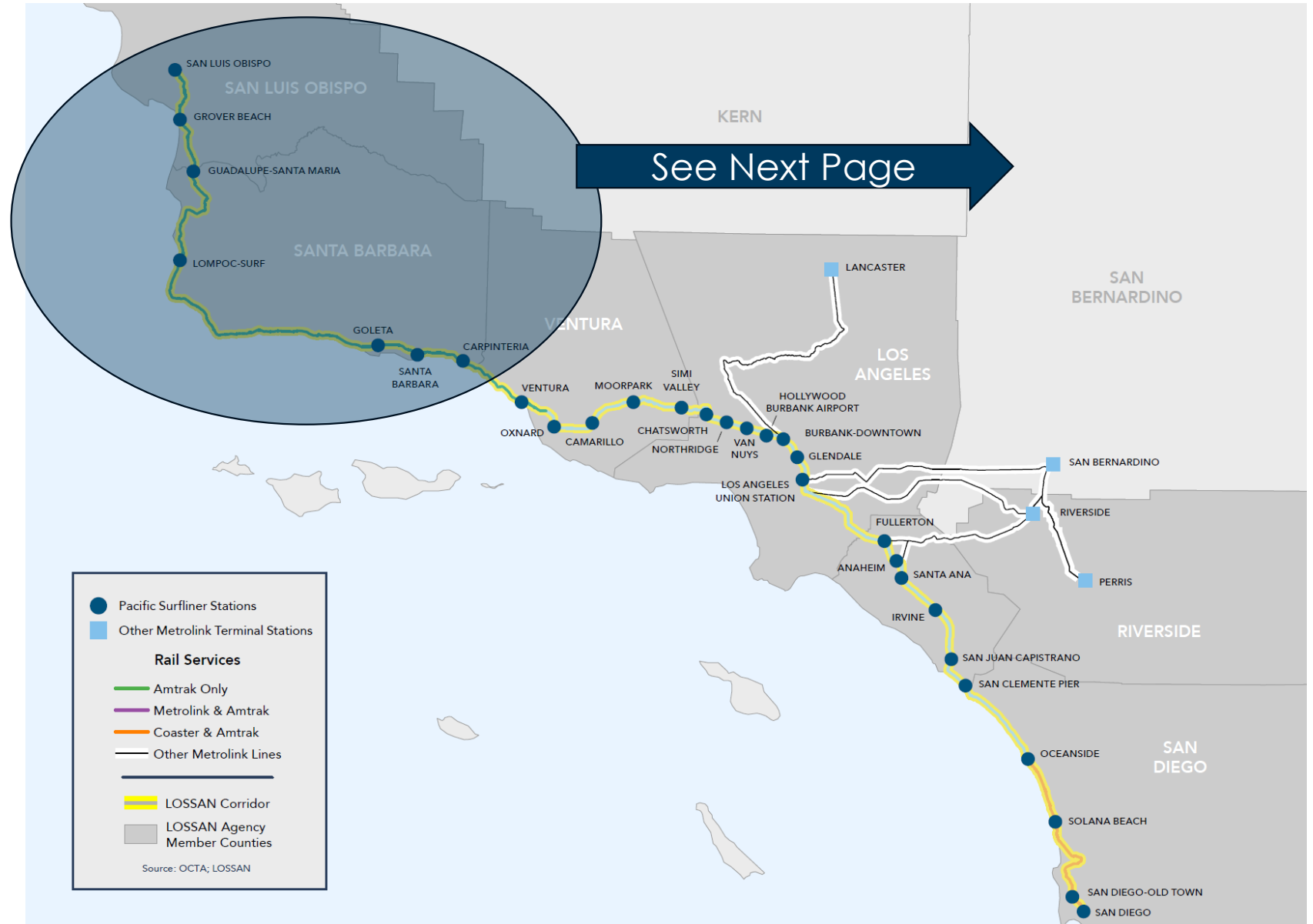
## Timeline

Project	Lead Agency	Current Phase	PAED	PS&E	Const	Project Completion
Central Coast Layover Facility Expansion (Phase 1)	LOSSAN	PS&E	Mid 2019 (Completed)	Early 2023 (Started)	Mid 2025 (Late 2024)	Mid 2027 (End 2026)
Goleta Layover Facility Expansion	LOSSAN	PS&E	N/A	Mid 2019 (Started)	Mid 2025 (Early 2025)	Late 2026 (Early 2026)
Leesdale Siding Upgrade and Extension	LOSSAN	PS&E	N/A	Mid 2023 (Started)	Late 2025	Late 2027
Ortega Siding Project	LOSSAN	PSR	N/A	Late 2024	Late 2027	Mid 2029
Seacliff Siding Extension	LOSSAN	PSR	Mid 2025	Mid 2027	Mid 2031	Mid 2033
Coastal Resiliency / Safety Improvements	UPRR	Const	N/A	N/A	Mid 2020 (Started)	Mid 2025
CTC / Powered Sidings	UPRR	Const (Complete)	Early 2020 (Complete)	Mid 2020 (Complete)	End 2020 Completed	Late 2023 (Project in Closeout)
Narlon Bridge Replacement	UPRR	Const (Complete)	Completed	Completed	Completed	Completed
Canada Honda Bridge Replacement	UPRR	PS&E	Mid 2021 (Started)	Late 2022 (Started)	Mid 2024 (Started)	Late 2024
Lompoc Surf Bridge Replacement	UPRR	PSR	Mid 2024	Mid 2026	Late 2028	Late 2030
Upgrade of Rail/Tie Replacement	UPRR	Const (Complete)	Completed	Completed	Completed	Completed
Camarillo Station Improvements	City of Camarillo	PAED	Mid 2021 (Started)	Mid 2024	Late 2026	End 2028

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

# Existing Capital Projects

Map of Highlighted Projects in Northern Portion of Corridor



See Next Page



# Existing Capital Projects

Map of Highlighted Projects



# Existing Capital Projects

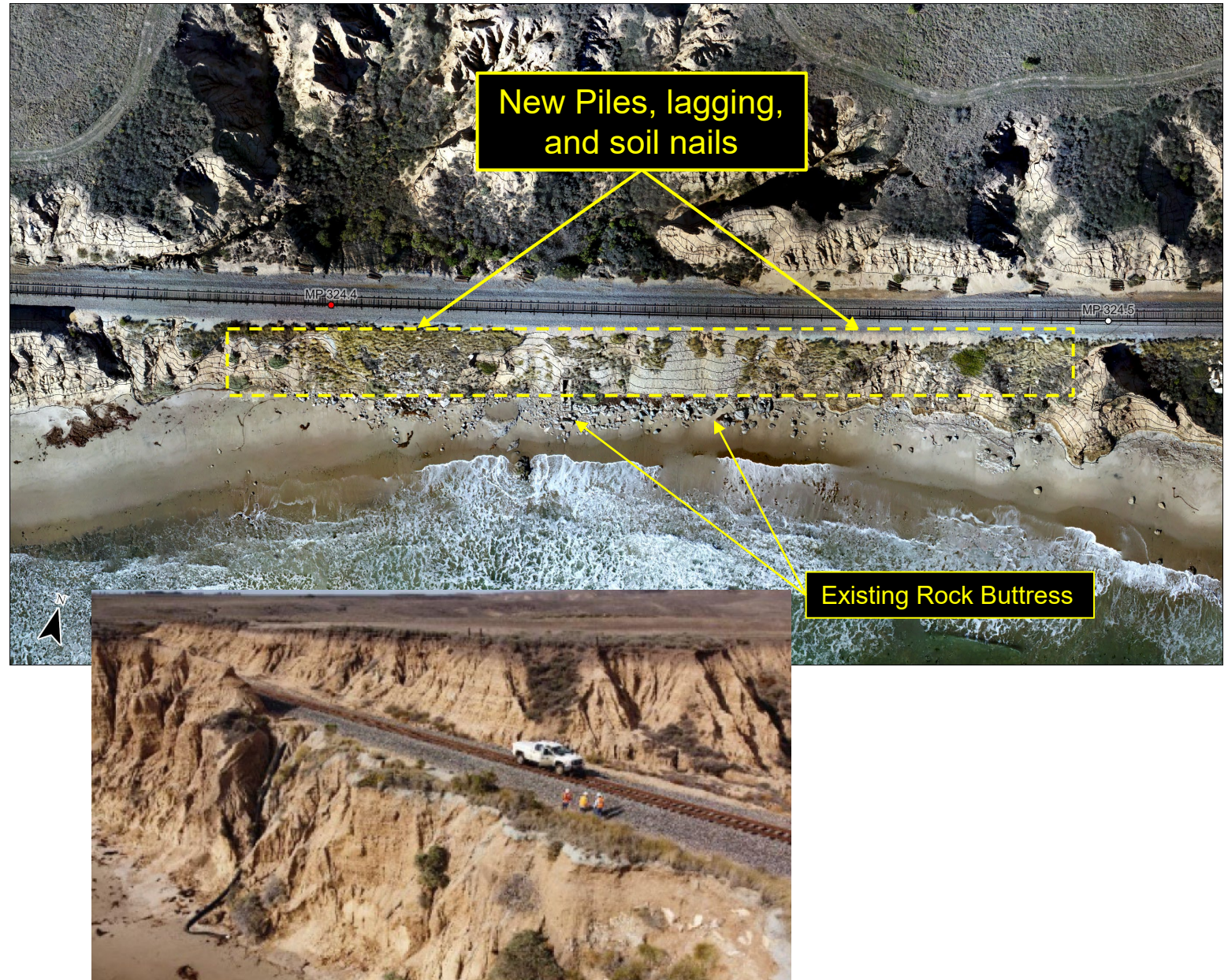
Highlighted

- Capacity Enhancing Projects (In-Progress)
  - Goleta Layover Expansion (30% Design)
  - Leesdale Siding Extension – (10% Design)
- Replacement of two (2) bridges
  - Canada Honda Bridge (Began Construction this month)
  - Lompoc Surf Bridge (UPRR received Grant to start Environmental)
- Layover Expansion Projects (In-Progress)
  - Central Coast Layover & Maintenance Facility (San Luis Obispo) – (Start Constr. Mid 2025)
  - Goleta Layover Expansion – (Start Constr. Late 2025)
- Bluff Stabilization Projects between Goleta and San Luis Obispo (In-Progress)
  - Surfin' Cowboy – MP 324.4 (Began Construction this month)
  - Hollister Bluffs – MP 328.2 – (Will follow Surfin' Cowboy)



# Bluff Stabilization Projects

Surfin' Cowboy  
(MP 324)





# Bluff Stabilization Projects

Hollister Bluffs  
(MP 328)



Strategy for both this project and Surfin Cowboy is to avoid permit for this maintenance action.



# Bridge Replacement Projects

Canada Honda Bridge  
& Lompoc-Surf Bridge



**Honda Bridge**  
Replace steel truss piers with concrete piers and new steel decking

**Lompoc-Surf Bridge**  
Triple length of bridge to eliminate choke point for large storms; improve estuary flows

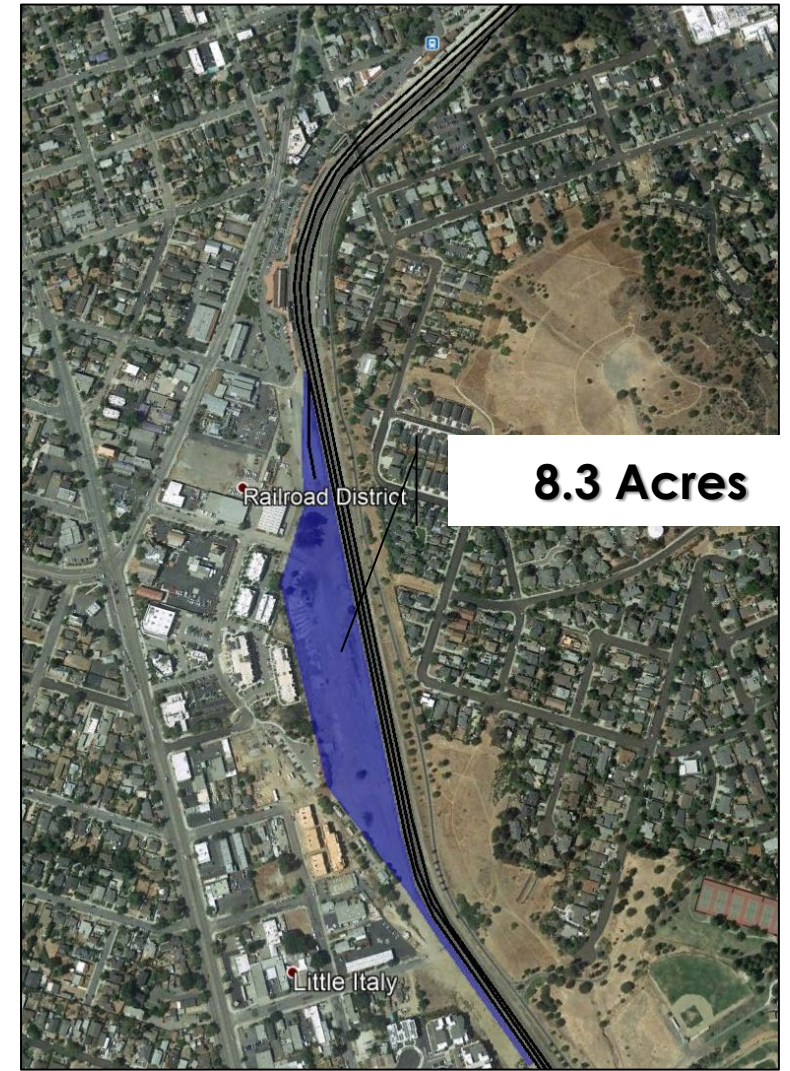




# Existing Capital Projects

## Central Coast Layover Facility

- Expansion and relocation of existing layover facility.
- Goal is to improve layover and storage capacity to support rail service goals.
- EIR Certified by LOSSAN Board in December 2022.
- Project has completed 60-percent design.
- Current project estimate - \$41.5 million





# Existing Capital Projects

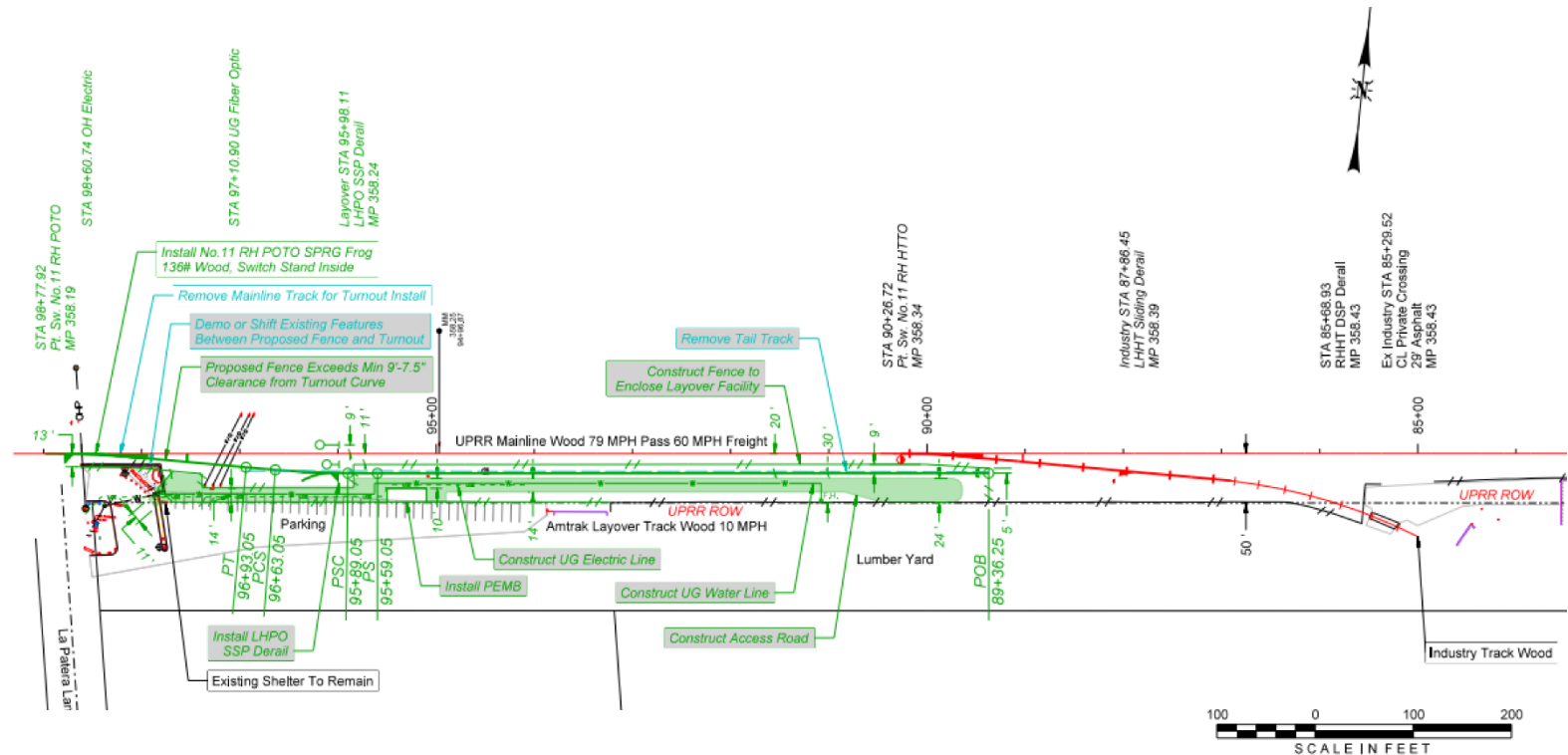
Central Coast Layover Facility





# Goleta Layover Facility Expansion

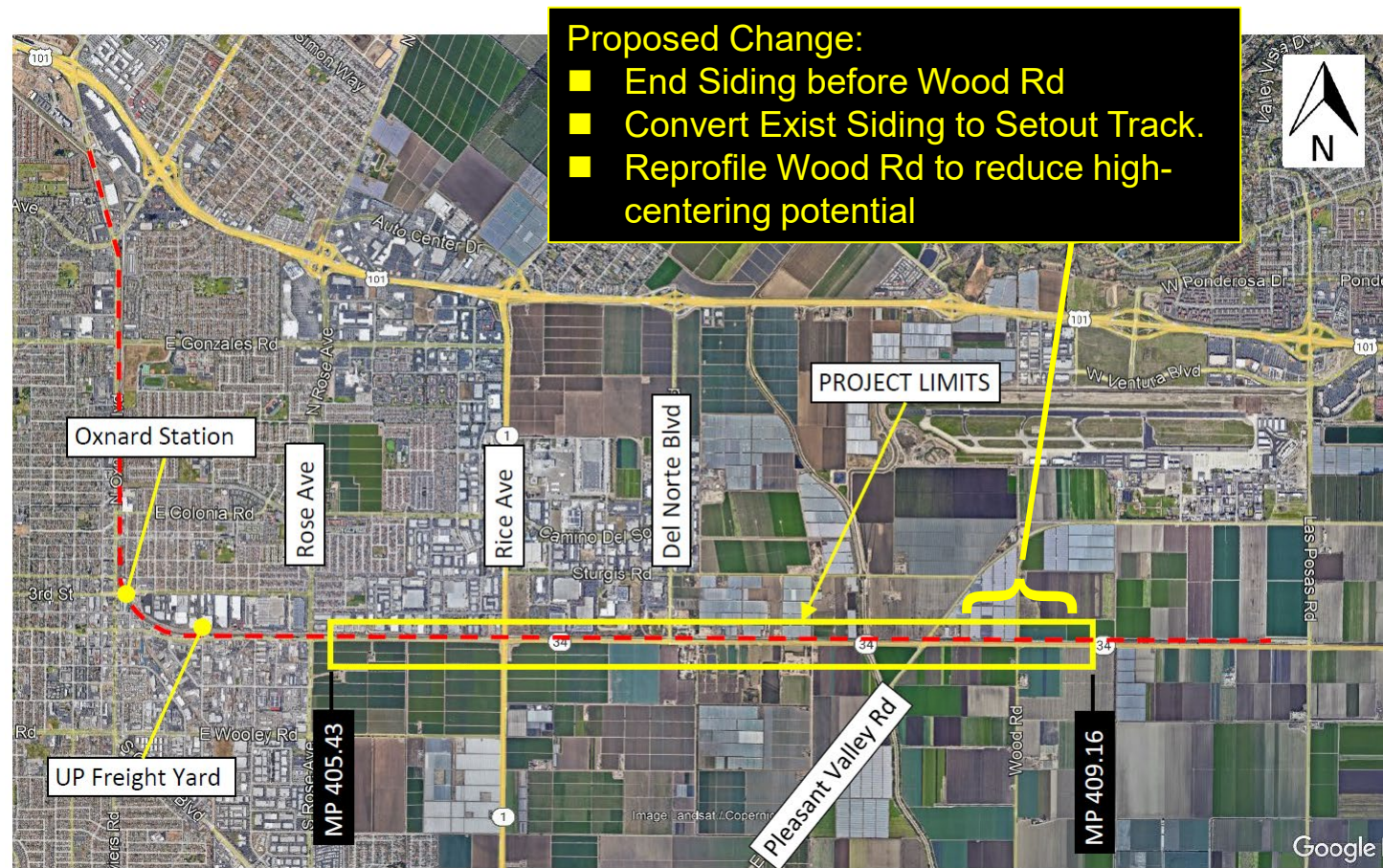
- Includes construction of an additional layover track to double the size of the servicing capacity.
- 30-percent design has been reviewed by UPRR
- Design Consultant to respond and move forward to 90-percent milestone
- Current project estimate - \$14.4M





# Leesdale Siding Upgrade and Expansion

- Includes replacement of the existing Leesdale siding with a siding that is approximately 3x longer.
- Reduces wait times for train meets by up to 10 minutes.
- Allows for greater operational flexibility for Pacific Surfliner and Metrolink service.
- 10-percent design is in review with UPRR
- Current Project Estimate - \$69.5 million





# 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.
- RFP for Preliminary Engineering and Design anticipated at June Board meeting
- Current Design estimate is \$2.7M with a total project estimate of \$33.1M



# Existing Capital Projects

Estimated and Funded Costs for Ongoing and Planned Projects

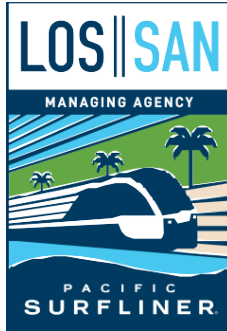
Project	Cost*	\$ Funded	Project	Cost*	\$ Funded
Central Coast Layover Facility Expansion (Phase 1)	\$41.5 M	\$41.5 M	Honda Bridge Replacement	\$44.1 M	\$36.0 M
Goleta Layover Facility Expansion	\$14.4 M	\$14.4 M	Camarillo Station Improvements	\$15.0 M	\$15.0 M
Leesdale Siding Upgrade and Extension	\$69.5M	\$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
Surfin' Cowboy & Hollister Bluff Stabilization Projects**	\$10.4 M	\$10.4 M	Coastal Resiliency / Safety Improvements	\$90.0 M	\$33.6 M
<b>Total Expected Cost</b>				<b>\$394.1 M</b>	
<b>Total Currently Funded</b>					<b>\$234.7 M</b>

Notes:

\* All above costs are estimated and subject to change.

\*\* Project Funding is part of overall Coastal Resiliency funds.

# QUESTIONS?



**Los Angeles – San Diego – San Luis Obispo  
Rail Corridor Agency**

**DRAFT**

**Upcoming Agenda Items  
Board of Directors Meeting  
May 20, 2024**

- Amendment to Agreement No. L-0-0006 with UPRR for Passenger Rail Service Enhancement and Infrastructure Improvements
- Amendment to Exercise Option Term on Agreement with OCTA for Managing Agency Services
- Approval for Firm for Annual Financial Statement Auditing Services
- Proposed revisions to LOSSAN's Procurement Policies and Procedures
- Cooperative Agreement with the San Diego Association of Governments for Reimbursement of Transportation, Layover and Station Costs Associated with Del Mar Bluff Phase 5 Nighttime Work Windows