



# **Update on Capital Projects along the Los Angeles – San Diego - San Luis Obispo Rail Corridor in San Diego County**

Board of Directors Meeting  
June 15, 2020





# LOSSAN

## Coastal Rail Corridor

San Diego Segment

Los Angeles • San Diego • San Luis Obispo



LOSSAN Rail Corridor Agency – Board of Directors Meeting  
June 15, 2020

[KeepSanDiegoMoving.com](http://KeepSanDiegoMoving.com)



# LOSSAN: San Diego Subdivision

- 60.1 miles of the 351-mile LOSSAN Corridor
- NCTD owns, operates, and maintains
- MTS owns
- SANDAG implements capital improvements and planning





# Service-based Planning

- 20-30 minute peak period commuter service / hourly off peak period service
- Hourly intercity service
- Additional freight service
- Corridorwide Optimization Study





# LOSSAN Program Summary

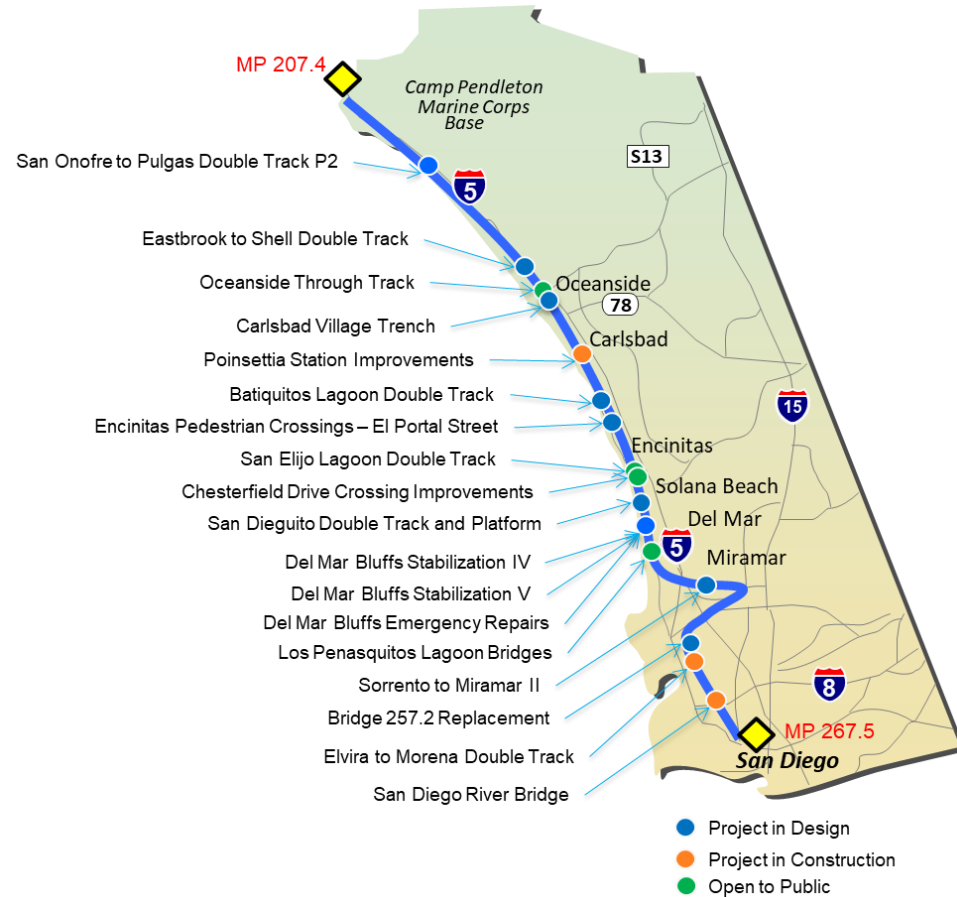
## 18 Active Projects:

- 4 in planning
- 9 funded through final design and permitting
- 2 funded through construction
- 3 in construction

## 14 Projects Open

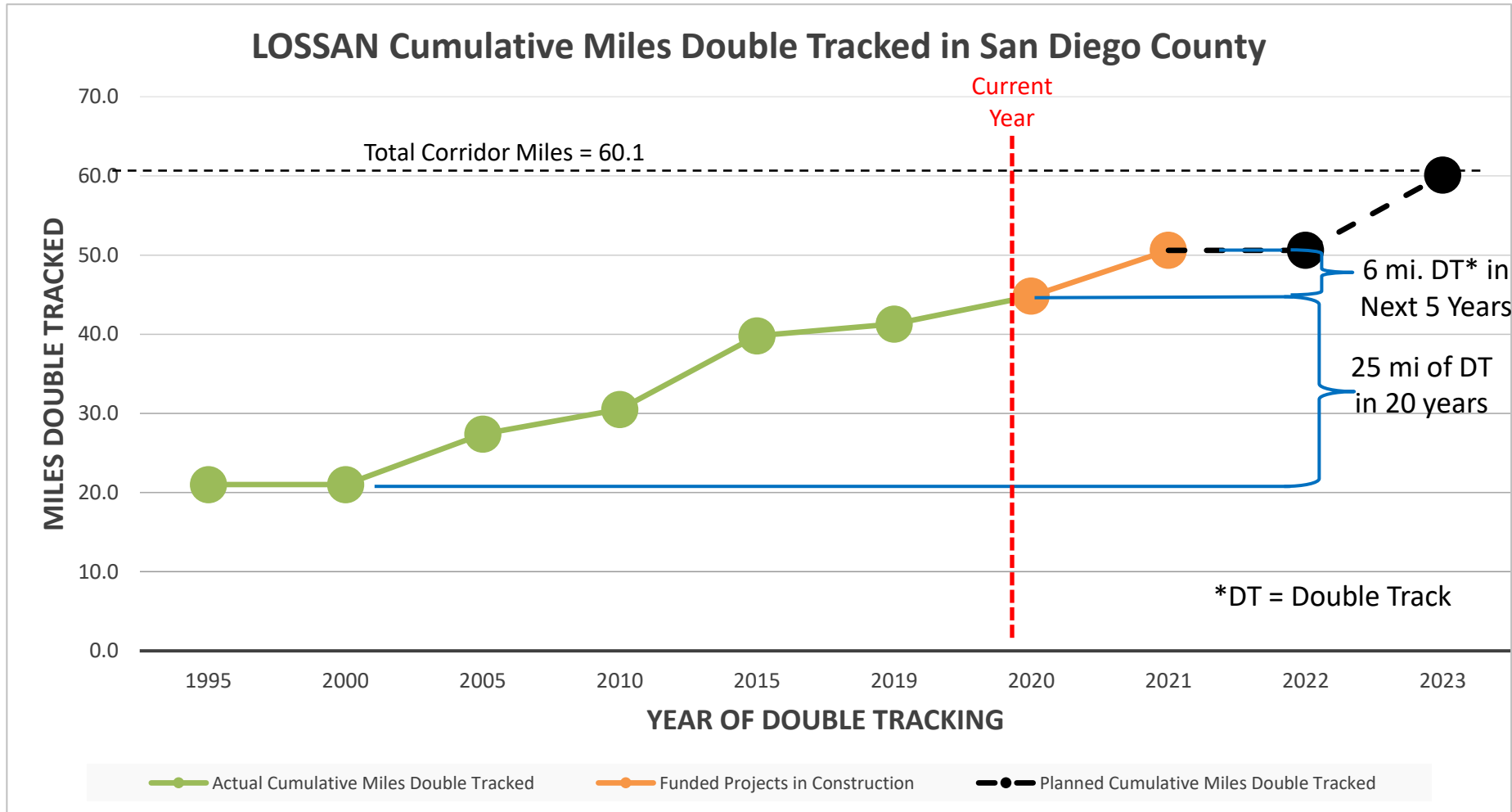
**Funded to date: \$884 M**

**Needed: \$1,000 M**





# LOSSAN Double Track Progress





# Construction Project Status



# Poinsettia Station Improvements



## Improvements:

- New pedestrian underpass
- Increase platform length
- Added inter-track fence

Project Budget: \$34m

## Project Status:

- Hold Out Rule has been lifted
- Underpass & platforms in use
- Ribbon cutting: February 2020





# Elvira to Morena Double Track

## Improvements:

- Add 2.6 miles of double track
- Replace four bridges

Project Budget: \$183 million

## Project Status:

- Construction began Jan. 2017
- Complete October 2020





# San Diego River Bridge and Double Track

## Improvements:

- Replaced San Diego River Bridge
- Adding 0.9 mile of double track

Project Budget: \$90 million

## Project Status:

- Construction began Sept. 2016
- Open to public February 2020





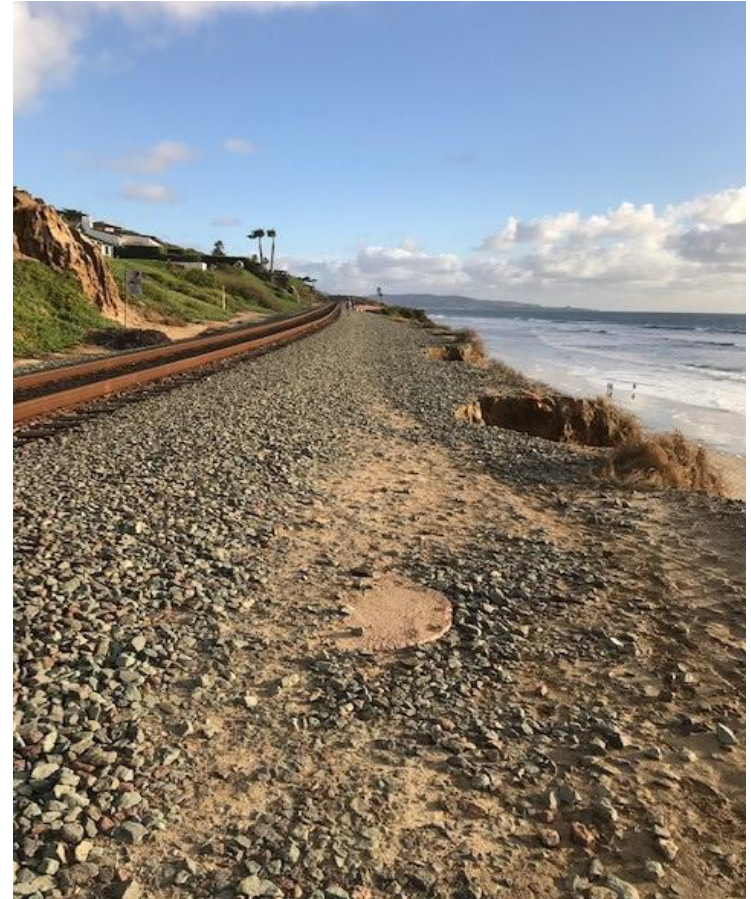
# Del Mar Bluffs Stabilization



# Del Mar Bluffs Stabilization



1. **Emergency Repairs**
2. **Short Term:** Phase 4  
(in construction)
3. **Mid Term:** Prioritization of  
future bluff stabilization  
(Phases 5 and 6)
4. **Long Term:** Realignment/  
Tunnel options





# Del Mar Bluffs Emergency Project

## Location of washouts Repair (●)



Coast Boulevard



Average Nov. Rainfall 1.4 inches  
Rainfall Nov. 28 – 29 was 2.5 inches  
Overwhelmed Drainage System

Torrey Pines  
Overhead Bridge



# DMB Emergency Project

## Storm damage west of 14th Street



November 28-29, 2019



# Del Mar Bluffs Emergency Repairs



## Remediation:

- Steel plates installed between existing piles
- Retaining wall installed between existing concrete piles

## Schedule:

- Repairs completed November-December 2019





# Del Mar Bluffs Stabilization 4 Urgent Repairs

## Improvements:

- Repair existing drainage structures
- Replace piles supporting sea walls

## Project Budget: \$6.2m

- Construction funded by STIP and CA Natural Resources Agency

## Project Status:

- Construction start May 2020





# Stabilize Headwall MP 244.3



Rockscape headwall with soil nail tiebacks



# Storm Chute below 12<sup>th</sup> St.



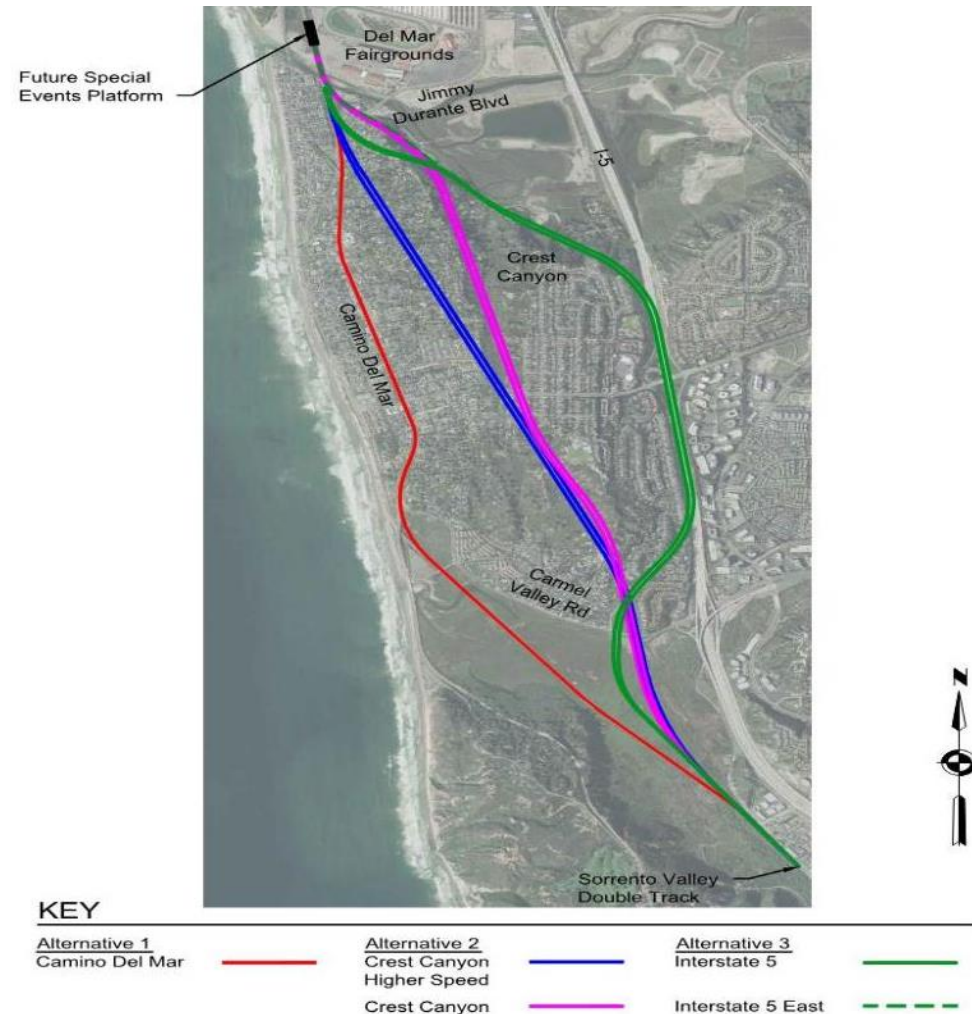
Outfall needs repair and or replacement



# Long Term Planning - Del Mar Tunnel Alignment Alternatives

Studied 5 alignments from Del Mar Fairgrounds to Sorrento Valley

Conceptual engineering and Environmental Constraints in 2017





# Funding Efforts

- \$100M for Del Mar Bluffs Stabilization Phases 5 and 6
- Phase 5:
  - State TIRCP grant (\$4.9M)
  - Federal SOGR grant (\$11.5M)
  - Federal INFRA, BUILD grants pending
  - Upcoming state grant applications
- Phase 6:
  - Local funds for Environmental Phase
  - USACE Feasibility Study
- Regional Rail Study (including Long-Term Alternatives)



## Projects Funded for Construction



# El Portal Undercrossing – City of Encinitas

## Improvements:

- Install new pedestrian undercrossing at El Portal Street with landscaping

Project Budget: \$9m

## Project Status:

- Design provided by the City of Encinitas
- Project funded by City of Encinitas with ATP grant.
- Construction to advertise Summer 2020





# El Portal Undercrossing Concept Rendering





## Projects in Design and Permitting



# San Onofre Pulgas Double Track 2



## Improvements:

- Add 1.5 miles passing track
- New bridges at Las Pulgas Road and Las Flores Creek

Project Budget: \$36m

## Project Status:

- Environmental permitting complete
- Design has been reinitiated
- Construction to start after Red Beach Bridge is replaced by NAVFAC





# Eastbrook to Shell on San Luis Rey River

## Improvements:

- Add 0.6 mile of double track
- Replace Bridge 225.4 over San Luis Rey River

## Project Cost: \$85m

- Funds available: \$10.5m

## Project Status:

- Final design & permitting in progress





# Carlsbad Village Trench Alternatives

## Trench alternatives:

- 6,000 ft long trench with 6 overpasses
- 8,400 ft long trench with 7 overpasses

## Project Estimates:

- Short Trench: \$245 - \$265m
- Long Trench: \$375 - \$395m

## Project Status:

- Final AA report and 10% design completed in May 2020





# Batiquitos Lagoon Double Track



## Improvements:

- Add 0.6 miles of double track
- Replace Bridge 234.8 Over Batiquitos Lagoon

Project Cost: \$104m

- Funds available: \$14.5m

## Project Status:

- Final design & permitting in progress





# San Dieguito Double Track and Special Events Platform Project

## Improvements:

- Add 1.7 miles of double track
- Replace bridge 243.0
- Add special events platform

Project Cost: \$246m

- Funds available: \$14m

## Project Status:

- Final Design in progress
- Environmental Permitting complete
- Phase 1 – Trench Work (\$57m)





# Sorrento Miramar Phase 2

## Improvements:

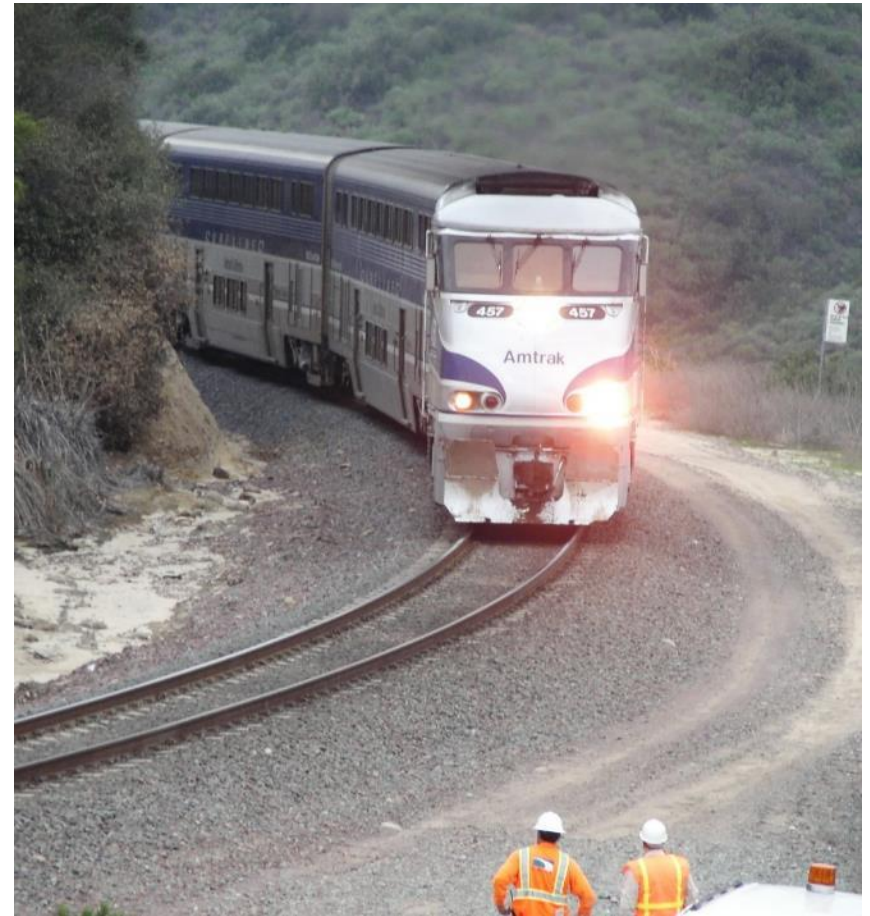
- Add 2 miles of double track
- Straighten 25 mph curves
- Increase speeds

## Project Cost: \$228m

- Funds available: \$29m

## Project Status:

- Final design & permitting in progress





# LOSSAN Coastal Rail Corridor



**Project Info:** [KeepSanDiegoMoving.com/LOSSAN](https://KeepSanDiegoMoving.com/LOSSAN)