

# Build NCC

## NORTH COAST CORRIDOR PROGRAM

Carlsbad to Oceanside Carpool/HOV Extension  
Virtual Open House

September 22, 2021



[KeepSanDiegoMoving.com/BuildNCC](https://KeepSanDiegoMoving.com/BuildNCC) | [#BuildNCC](https://twitter.com/BuildNCC)



# INTERPRETATION SERVICES



- If you have connection/audio issues, join by phone:

- Call (699) 900 9128
- When prompted, enter ID # 853 3527 3659

- For Spanish Interpretation:

- Click “Interpretation” at bottom of screen
- Then, click on “Spanish”
- To hear only Spanish, click "mute original audio“
- If on a mobile app (cell phone, tablet, etc.), press the ellipsis (...), then Interpretation, and then choose your language

- Spanish-Translated Presentation in the Chat

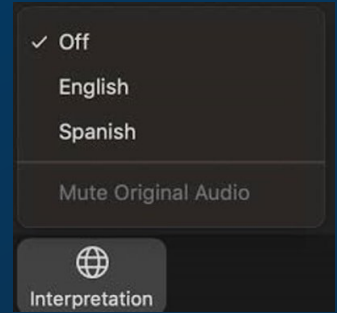
- Si tiene problemas de conexión o de audio, participe por teléfono:

- Llame al (669) 900-9128
- Cuando se le pida, ingrese el número de identificación 853 3527 3659

- Para Interpretación en español:

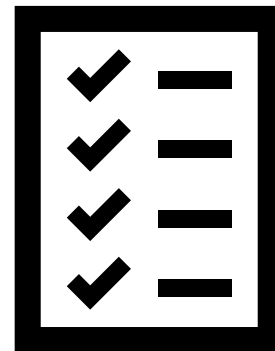
- Oprima el botón *Interpretation* en la parte inferior de la pantalla.
- Después oprima la opción *Spanish*.
- Para escuchar solo el audio, oprima la opción *Mute Original Audio*.
- Si está usando una aplicación móvil (en su teléfono celular, tablet, etc.) por favor oprima los puntos suspensivos (...), oprima el botón *Interpretation* y escoja su idioma.

- Presentación traducida al español en el chat

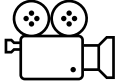





# MEETING OVERVIEW AND AGENDA

- Opening Remarks
- Panelist Introduction
- Build NCC Project Overview
- Carlsbad to Oceanside Carpool/HOV Extension Overview
- Orange Lane Striping Pilot Program – Enhancing Safety
- Community Enhancements
- Sound Walls
- Project Milestones
- Q&A



# MEETING OVERVIEW AND AGENDA

- This meeting is being recorded 
- Microphones will be muted during the presentation 
- You may share comments in the chat and ask questions via the Q&A feature 
- Opportunities to ask questions will be provided at the end of the presentation
  - Email us additional questions at [buildncc@keepsandiegomoving.com](mailto:buildncc@keepsandiegomoving.com) 

# OPENING REMARKS



*Matt Hall – Mayor of Carlsbad*



# PANELISTS

Mohamad Khatib, PE – Project Manager, *Caltrans District 11*

David Stebbins, PE – *Caltrans District 11*

Brian Hadley, PE – Resident Engineer, *Caltrans District 11*

Erika Saari – Consultant, *iCommute*

# POLLING QUESTION: We'd like to learn more about you!

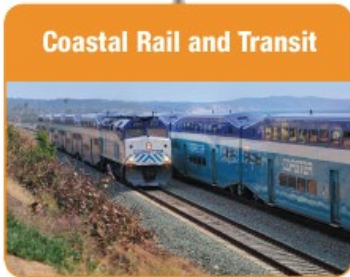
What is your connection to North County?

- Live
- Work
- Own a business
- School
- Shopping/entertainment
- Recreational areas
- Other (please specify)

# WHAT IS BUILD NCC?

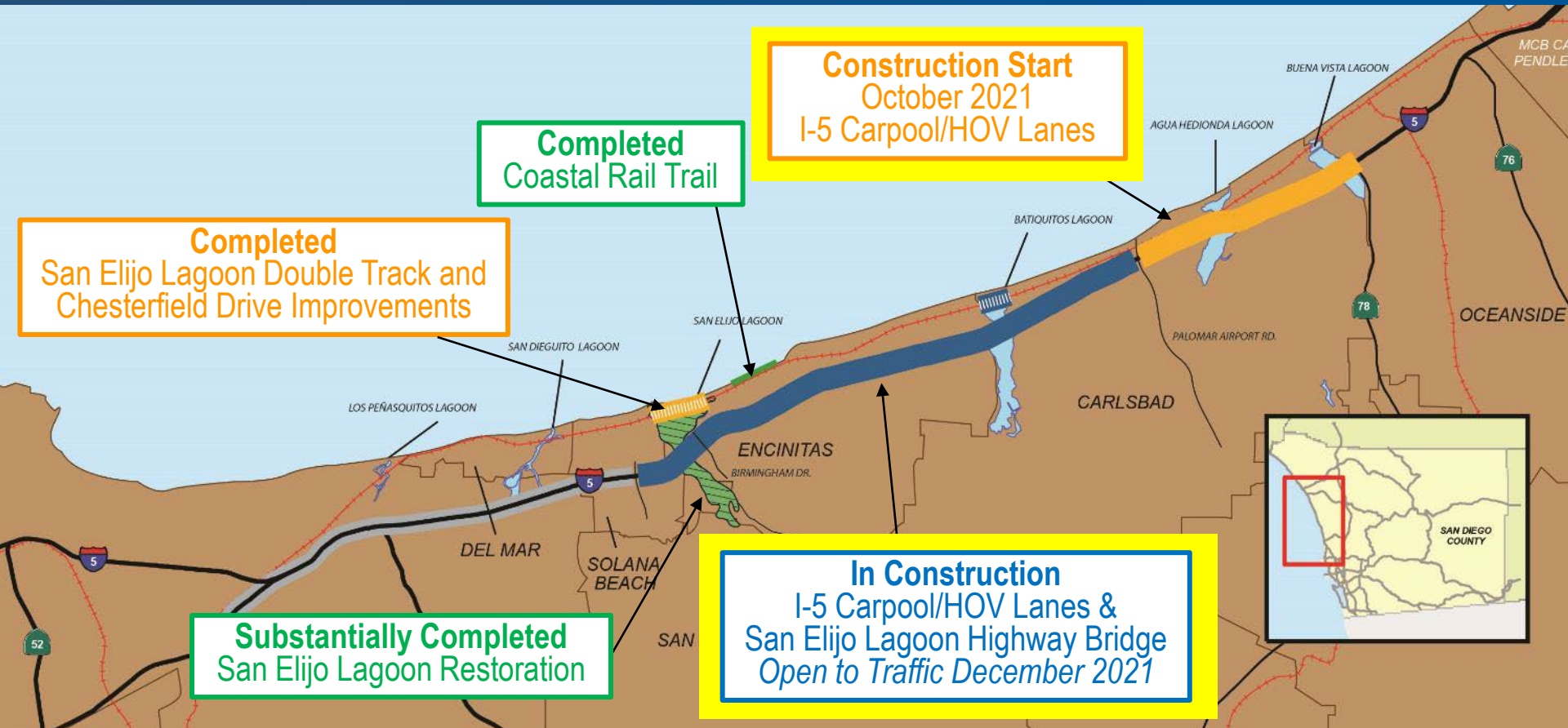


— SAN DIEGO —  
**North Coast Corridor Program**  
Highway, rail, transit, environmental protection  
and coastal access improvements





# BUILD NCC PROJECT STATUS



# San Elijo Lagoon Double Track Project – Completed 2019



# ACTIVE TRANSPORTATION – Santa Fe Drive Bike Lane



Before (2012)

After (2012)



# SAN ELIJO LAGOON BIKE/PED SUSPENSION BRIDGE



# I-5 & SAN ELIJO LAGOON

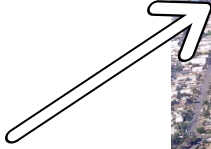


# Polling Question- What's your biggest concern regarding construction?

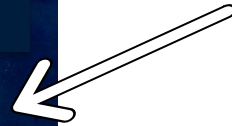
What is your greatest concern regarding highway construction?

- Noise
- Lane/ramp closures
- Traffic
- Safety
- Other (please specify)

# CARLSBAD TO OCEANSIDE CARPOOL/HOV CONSTRUCTION



Buena Vista Lagoon



Aqua Hedionda  
Lagoon

# WHAT TO EXPECT DURING CONSTRUCTION

## NIGHT WORK



## CONSTRUCTION EQUIPMENT



## RAMP CLOSURES



## DETOURS

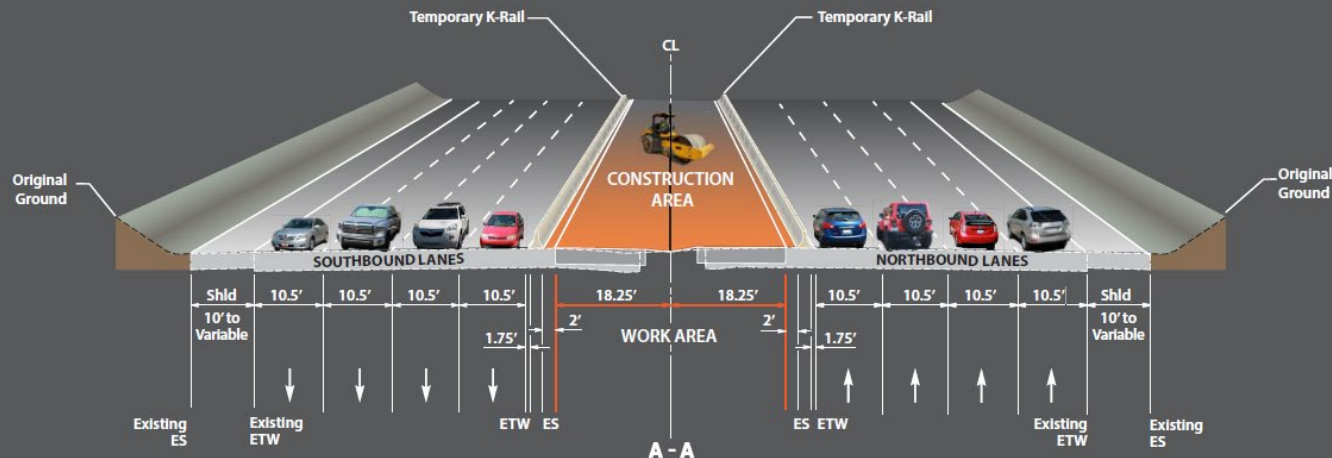
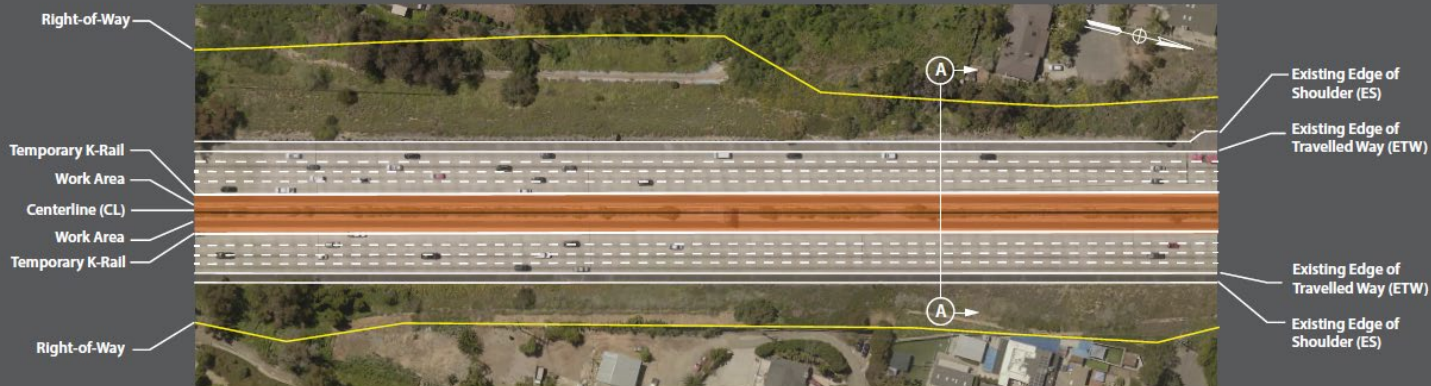


## REDUCED LANE WIDTHS





# CARLSBAD TO OCEANSIDE CARPOOL/HOV CONSTRUCTION



# CARLSBAD TO OCEANSIDE CARPOOL/HOV CONSTRUCTION

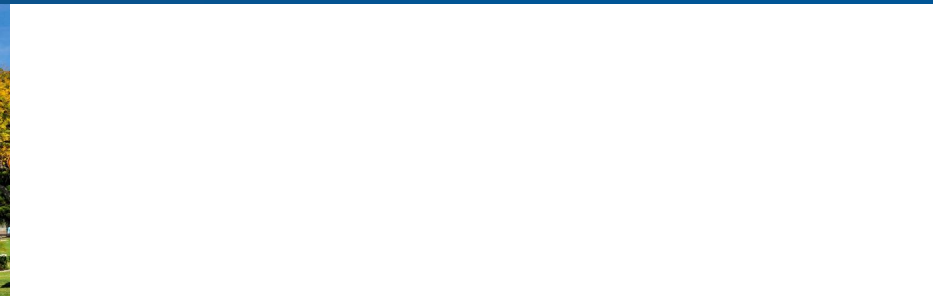


Rendering of new Interstate 5 HOV/carpool lane

# COMMUNITY ENHANCEMENT OPPORTUNITY – Connecting Mobility



*Existing Chestnut Avenue Undercrossing at I-5*



*Future Chestnut Avenue Undercrossing at I-5*



# SCHEDULE OF CARLSBAD TO OCEANSIDE HOV EXTENSION (PALOMAR TO SR 78)

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## FALL 2021

- Clear & Grub
- Place K-Rail
- Construct HOV Lanes
- Build Auxiliary Lane
- Install Drainage
- Lay Fiber Optic Lines

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## Fall 2022

- Construct Sound Wall
  - Bike/Ped Improvements
-

# CORRIDOR SUCCESSES & UPCOMING MILESTONES

## 2021 Milestones

- Complete San Elijo Lagoon I-5 Highway Bridge
- Complete San Elijo Lagoon suspension bike/pedestrian bridge
- Complete I-5 HOV/Carpool Lanes (Manchester Avenue to Palomar Airport Road)
- Close gap in full San Elijo Lagoon trail network (east and central basin)
- Complete North Coast Bike Trail in Encinitas

## December 2021:

- Birmingham Drive to Palomar Airport Road HOV Ribbon Cutting

*San Elijo Lagoon pedestrian bridge work*



*San Elijo Lagoon pedestrian bridge simulation*



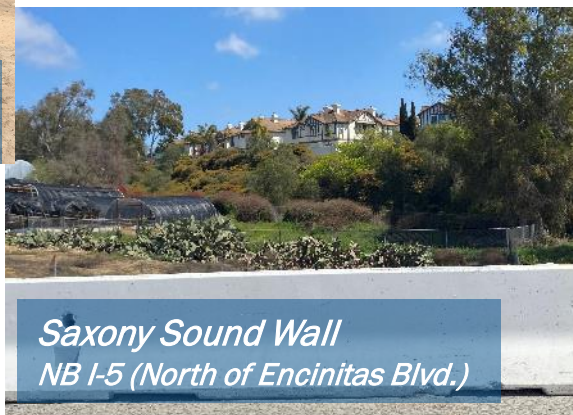
# BUILD NCC PHASE 1 SOUND WALLS



*Harbor Point Sound Wall  
NB I-5 (North of Poinsettia Ln.)*



*Altamira Sound Wall  
NB I-5 (North of Poinsettia Ln.)*



*Saxony Sound Wall  
NB I-5 (North of Encinitas Blvd.)*



*Sound Wall Rendering*

# CARLSBAD

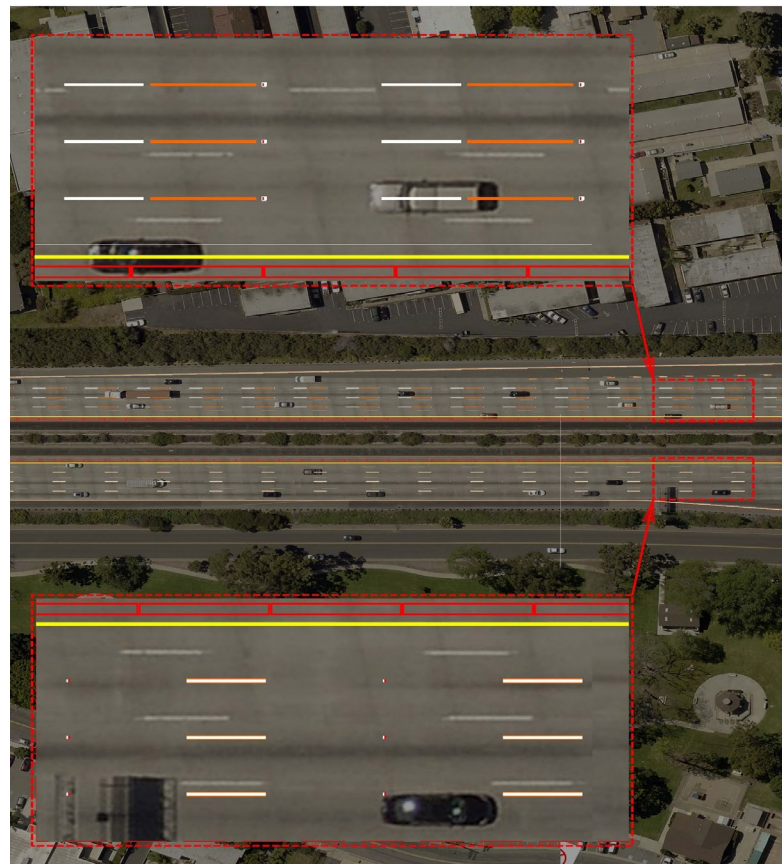


# ENCINITAS



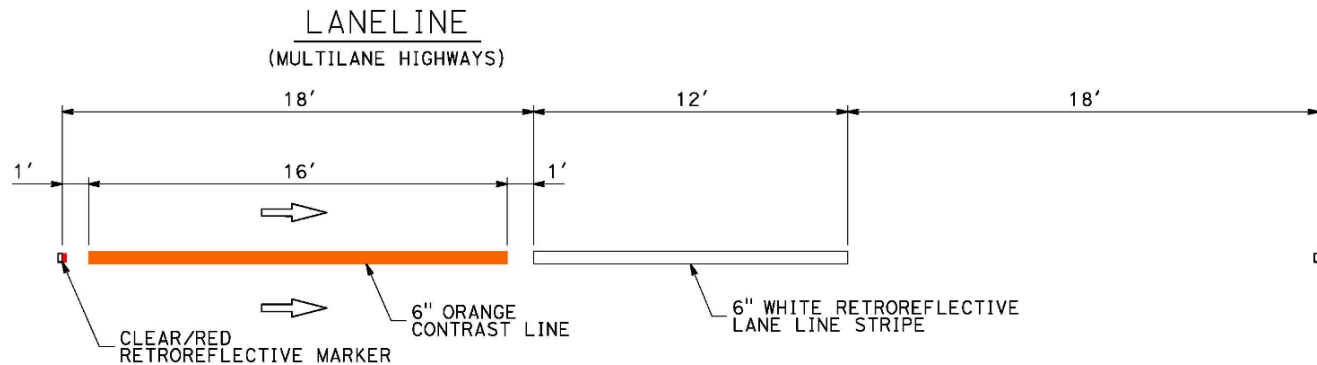
# ENHANCING SAFETY - ORANGE LANE STRIPING PILOT PROGRAM

- Pilot program aimed to increase awareness, minimize distracted driving, and lower speeds in work zones
- Freeway lanes to be striped from Palomar Airport Road to SR 78
- Outreach to take place Fall 2021 to notify the public of new conditions
- Post-implementation surveys to determine effectiveness of striping
- Follows studies in Wisconsin, Texas, Kentucky



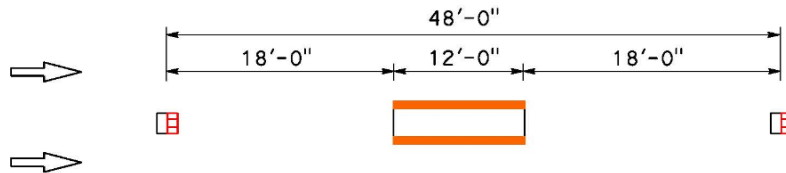


# ORANGE LANE STRIPING ALTERNATIVES



LANELINE  
(MULTILANE HIGHWAYS)

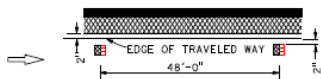
DETAIL 12 (Mod0)



# ORANGE LANE STRIPING ALTERNATIVES

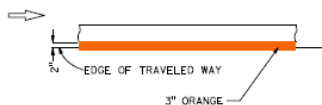
## LEFT EDGELINE (DIVIDED HIGHWAYS)

DETAIL 25 (ModB)



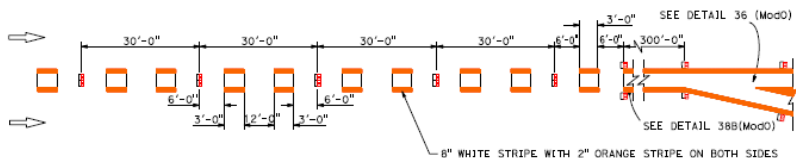
## RIGHT EDGELINE

DETAIL 27B (ModO)



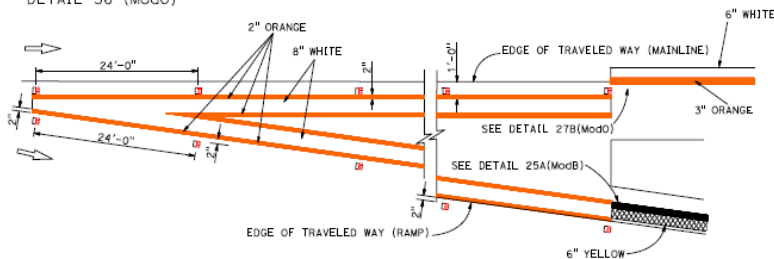
## LANE DROP AT EXIT RAMP

DETAIL 37 (ModO)



## EXIT RAMP NEUTRAL AREA (GORE) TREATMENT

DETAIL 36 (ModO)



## LEGEND

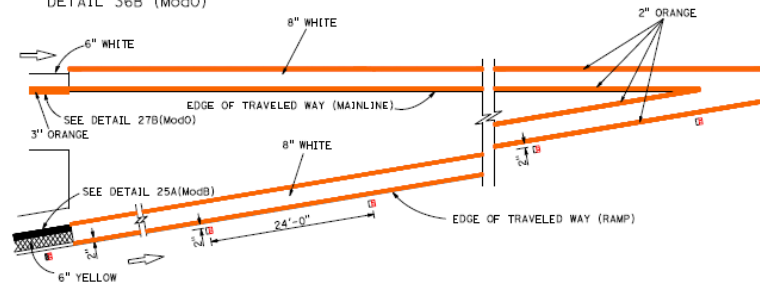
- 6" YELLOW STRIPE WITH 3" BLACK
- 6" WHITE STRIPE WITH 2" ORANGE STRIPE ON BOTH SIDES
- 8" WHITE STRIPE WITH 2" ORANGE STRIPE ON BOTH SIDES
- 6" WHITE STRIPE WITH 3" ORANGE

## MARKERS

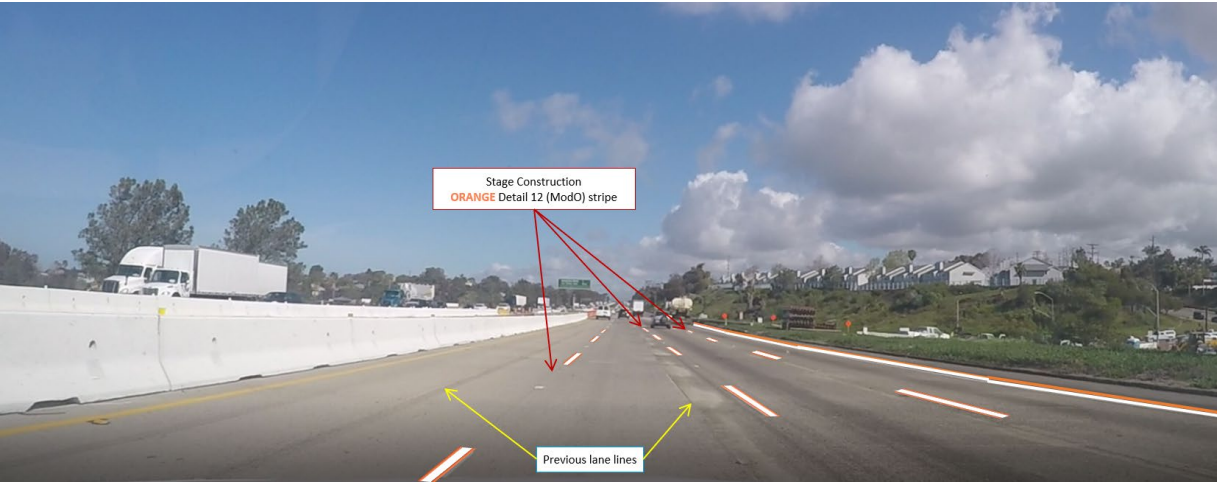
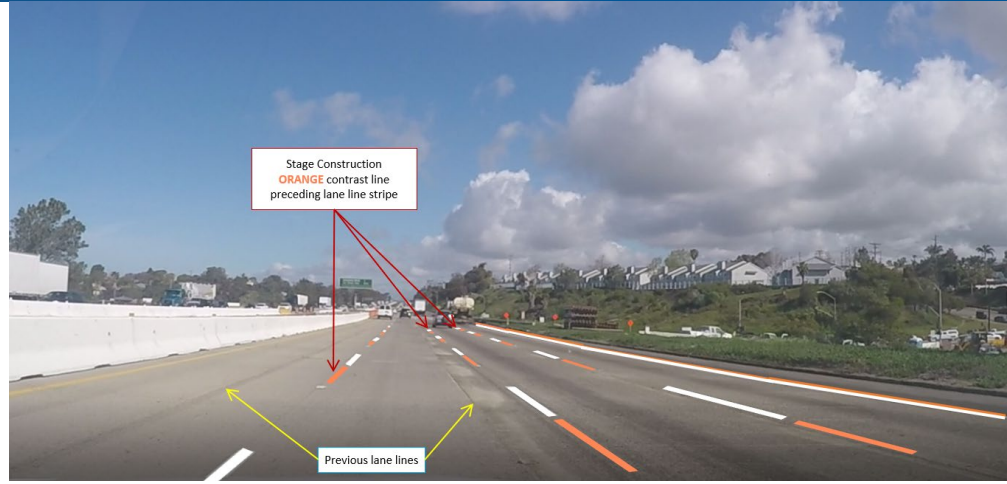
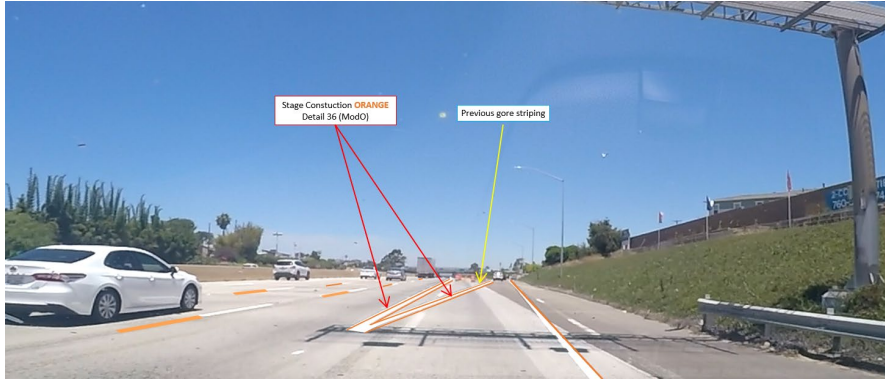
- TYPE CR CLEAR-RED RETROREFLECTIVE
- TYPE YR YELLOW-RED RETROREFLECTIVE

## ENTRANCE RAMP NEUTRAL AREA (ACCELERATION LANE) TREATMENT

DETAIL 36B (ModO)



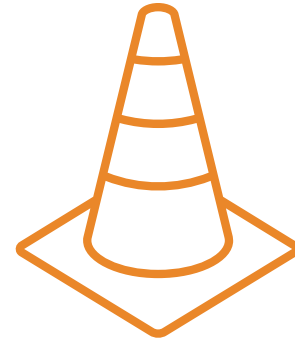
# ORANGE LANE STRIPING ALTERNATIVES



# POLLING QUESTION

Are you aware of the reduced speed limit on I-5 within the construction zone?

- Yes
- No





55 mph speed limit will continue to be enforced throughout the work zone on I-5

Slow down, stay alert, and don't drive wrong way

A black rectangular sign with orange LED-style text. The text is arranged in three lines: "DRIVE SOBER", "NOT WRONG WAY", and "DON'T RUIN LIVES".

## 5 BIG MOVES 1 INTEGRATED TRANSPORTATION SYSTEM

### NEXT OS

Enabling  
Technology

### COMPLETE CORRIDORS

Multimodal Roads

### FLEXIBLE FLEETS

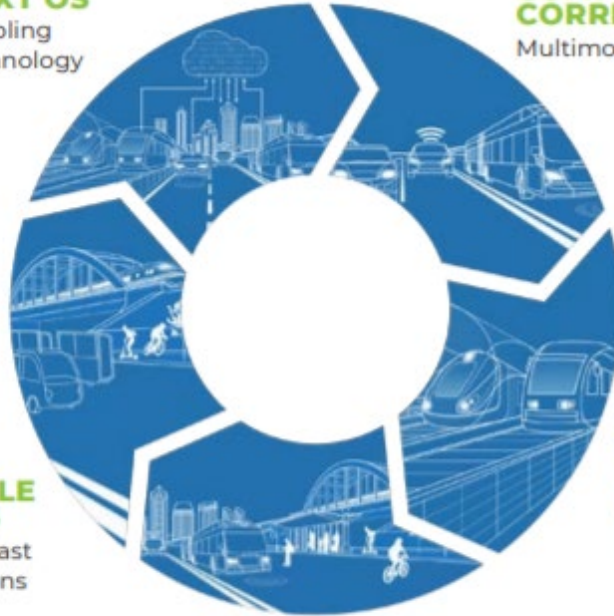
First and last  
mile options

### TRANSIT LEAP

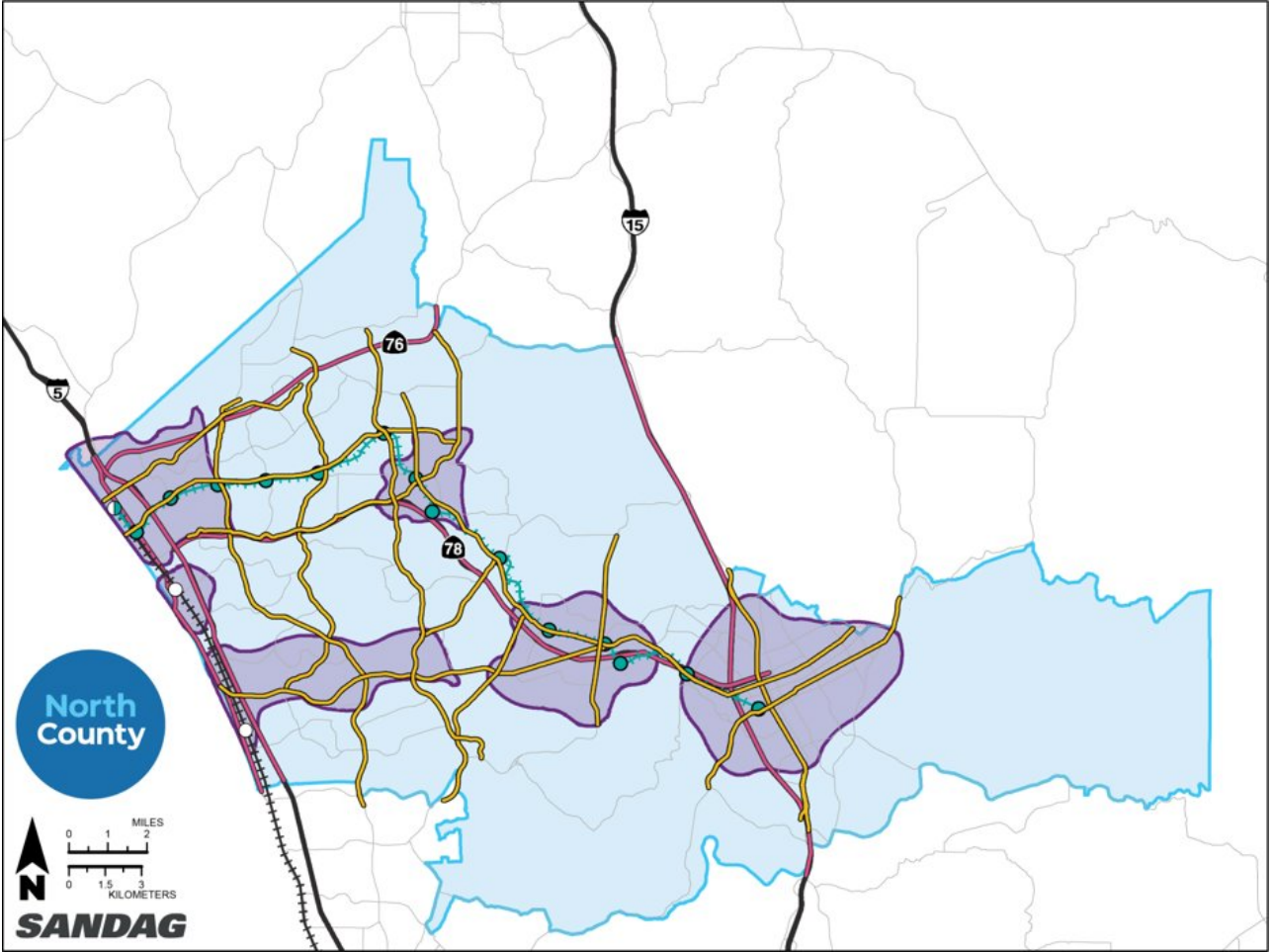
Fast and  
flexible transit

### MOBILITY HUBS

Connection Points



# NORTH COUNTY CMCP: MOVING THE REGIONAL PLAN FORWARD



## LEGEND

- North County CMCP Study Area
- Mobility Hub/Zone
- Mobility Boulevard

## Regional Spine

- Regional Corridor
- SPRINTER Station
- SPRINTER
- COASTER Station
- COASTER



- TDM program provided by SANDAG
- Free services and programs to encourage sustainable transportation alternatives
- iCommute's goals:
  - ✓ Reduce traffic congestion
  - ✓ Reduce greenhouse gas emissions
  - ✓ Reduce # people who drive alone
- Help you save time, money, and live a better life!

The screenshot displays the iCommute website interface. At the top, there is a navigation bar with the iCommute logo and links for 'about | commuters | employers | partners | planners & developers | school | events'. Below the navigation bar is a search bar and a vertical menu with options: 'carpool', 'vanpool', 'bike', 'transit', 'telework', and 'shared mobility'. The main content area features a 'Carpool Incentive Program' promotion with the text 'encourage employees to try carpooling with free rides' and the 'wazeCARPOOL' logo. To the right of this promotion is a photograph of a smiling man and woman in a car. Below the main content is a 'commuter resources' section containing an 'iCommute news' sign-up form and a 'trip planner' (powered by Google) with fields for 'starting address' and 'destination address'. At the bottom of the resources section are icons for 'Bike Map', 'Commute Calculator', 'Park & Ride', 'Carpool', and 'Vanpool'. On the right side, there is a 'what's new' section titled 'Tweets by @iCommuteSD' showing a tweet from the City of San Diego about a transit promotion.



## Save the Dates

Rideshare Week: October 4 – 8

Clean Air Day: October 6

### Telework Resources:

- Carpool
- Vanpool
- Transit
- Bike
- Guaranteed Ride Home Program

Learn more at [iCommuteSD.com](http://iCommuteSD.com)



# POLLING QUESTION- HOW DID YOU HEAR ABOUT US?

## How did you hear about this virtual open house?

- Social Media
- E-blast / email
- Postcard
- Employer
- Word of mouth
- Other

*Build*  
**NCC**

# Questions & Answers

*Please submit your question(s),  
one at a time, in the Q&A option.*



# CONNECT WITH US



Sign up for updates at  
[KeepSanDiegoMoving.com/BuildNCC](http://KeepSanDiegoMoving.com/BuildNCC)



Email us at  
[BuildNCC@KeepSanDiegoMoving.com](mailto:BuildNCC@KeepSanDiegoMoving.com)



Call **(844) NCC-0050**



Text **BuildNCC** to **313131**  
to receive construction alerts



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**SANDAGregion | SDCaltrans**



Follow us at  
**SANDAGregion | D11Caltrans**



Watch more at  
**SANDAGregion | CaltransDistrict11**



*Build*  
**NCC**

**THANK YOU FOR  
ATTENDING THE  
VIRTUAL OPEN  
HOUSE!**

A recording of the meeting will be posted  
to the SANDAG Meetings YouTube page.

