

# Safety & Mobility Improvements near Housing Element Sites Community Meeting

*Zone #2 (Old Encinitas)*

Tuesday, August 29th, 2023

**Welcome!**

*We will begin in  
a few minutes.*



# Welcome!



- Please sign in via sign-in sheet
- Devoted Q/A periods
- Be respectful and courteous to others during group discussion
- Active participation

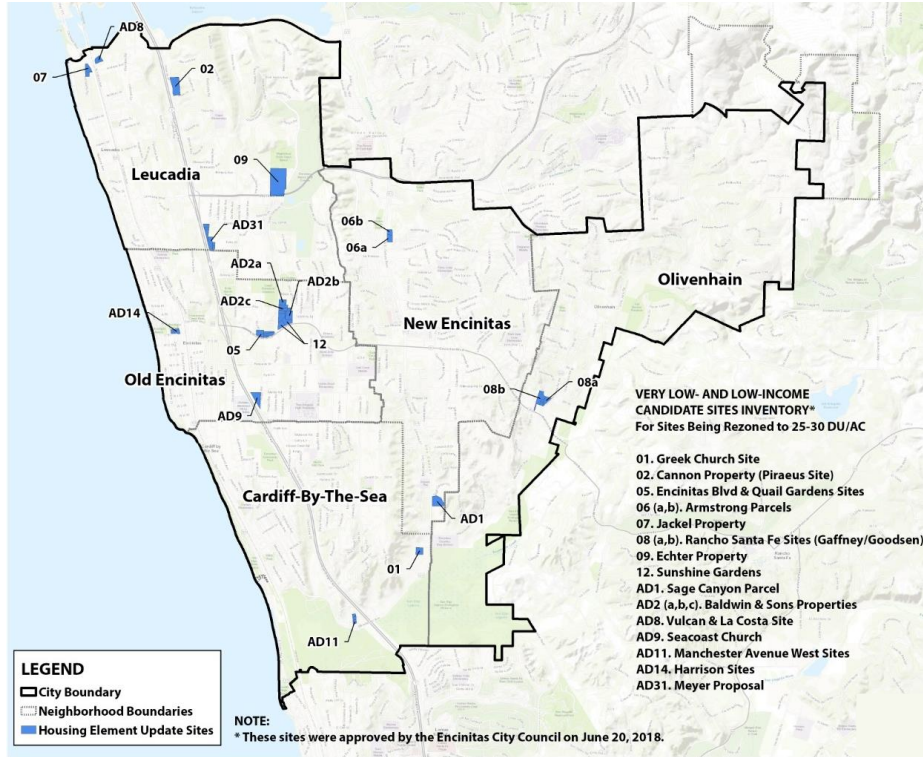
# Agenda



- 1. Background**
- 2. Scope, Current Schedule of Study, & Future Steps**
- 3. Potential Projects/Improvements**
- 4. Break-out Session**
- 5. Report Back**
- 6. Closing Notes & Meeting Activity**

# 1. Background

# Background



- As part of the City's Housing Element, multiple sites zoned for multi-family housing to accommodate for future growth.
- 15 sites were identified and later approved with the City's Housing Element update in 2018.
  - Sites located citywide across all communities.

# Background



## ➤ October 19<sup>th</sup>, 2022

- City Council initiated item for traffic calming and pedestrian improvements in the vicinity of Housing Element development projects.
- Council directed staff to advance mobility improvements in areas most impacted by the Housing Element Update projects.

## ➤ February 15<sup>th</sup>, 2023

- Council approved the scope and funding to conduct a study to analyze potential improvements near Housing Element sites.

## 2. Scope and Schedule

# Scope



- A. Existing Conditions Collection
- B. Projects Identification Based on Adopted Documents
- C. Identify Additional Improvements and Field Visits
- D. Improvements Feasibility Assessment
- E. Community Meetings ← We are here
- F. City Council Presentation and Project Ranking  
(Selection of Top 5 Projects)
- G. 30% Design and Cost Estimates
- H. Final Report and City Council Presentation



# Improvements Conditioned with Development Projects



➤ **All Housing Element projects conduct site specific traffic impact submits to evaluate potential impacts associated with the trips generated.**

- Delay and congestion at nearby intersections are analyzed for consistency with the City's General Plan Policies of the Circulation Element.
- Improvements near the project site can be conditioned if inconsistencies are found.

# Improvements Conditioned with Projects



## Examples:

### ➤ **Sunshine Gardens (Quail Gardens Dr)**

- Provide signal modifications - install a right-turn overlap for Westlake approach at Quail Gardens Dr/Encinitas Blvd/Westlake St intersection.
- Optimize signal timing at Quail Gardens Dr/Encinitas Blvd/Westlake St intersection.

### ➤ **Moonlight Apartments (Encinitas Blvd)**

- Widen Encinitas Blvd from two to three vehicle lanes for WB Encinitas Blvd west of Quail Gardens Dr.
- Construct active transportation facilities (sidewalk and green bike lane) along project frontage on Encinitas Blvd.
- Restripe left-turn pocket on Encinitas Blvd to provide additional storage area for vehicles .
- Modify traffic signal and striping (including adding a striped crosswalk) at Encinitas Blvd/Town & Country Driveway.

# Approved City Documents

➤ This study incorporates projects identified in previously approved city planning documents near the development sites and builds on previous work.

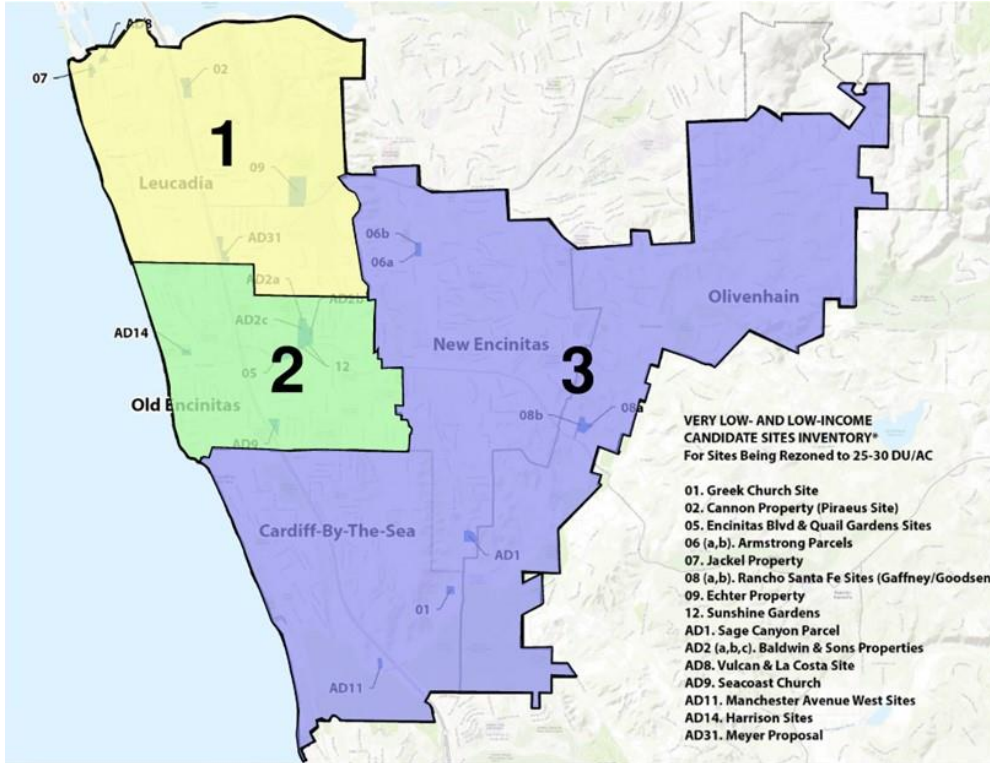
- Active Transportation Plan (ATP)
- Modal Alternatives Project (MAP)
- Local Roadway Safety Plan (LRSP)



Prepared for:  
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# Community Meetings



## Meeting #1 (Zone 1)

**Monday, August 21, 2023**

**Corridors: La Costa Ave, Vulcan Ave, Piraeus St, Saxony Rd, Leucadia Blvd, N. Coast Hwy 101**

## Meeting #2 (Zone 2)

**Tuesday, August 29, 2023**

**Corridors: Quail Gardens Dr, Encinitas Blvd, Saxony Rd, S. Coast Hwy 101, Regal Rd**

## Meeting #3 (Zone 3)

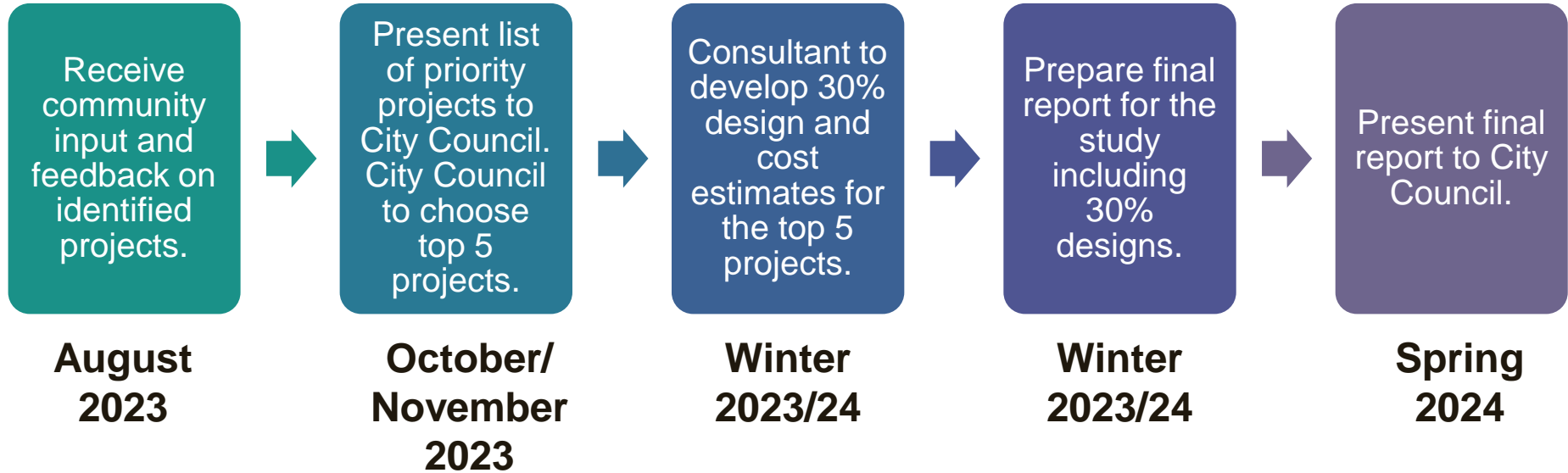
**Wednesday, August 30, 2023**

**Corridors: North and South El Camino Real, Encinitas Blvd, Rancho Santa Fe Rd, Manchester Ave**

# Current Schedule



# Future Steps



# Types of Projects/Improvements

- **Active Transportation**
  - Improving bicycle and pedestrian facilities to promote alternative modes of transportation.
- **Traffic Calming**
  - Goal to reduce speeds on roads.
- **Traffic Congestion Relief**
  - Improving Level of Service (LOS) at intersections
- **Non-engineering Improvements**

# Zone #1 and 2 Community Meeting Feedback

## Zone #1 (Leucadia)

### Top improvements:

- N. Vulcan Avenue multi-use path
- La Costa Avenue multi-modal improvements (two-way left turn lane, buffered bike lanes, and sidewalks)
- Realignment of Piraeus Street for egress onto Leucadia Blvd
- Saxony Road sidewalk infill
- Adaptive traffic signal timing
- Increased enforcement for vehicles and bikes



# 3. Potential Projects/Improvements

# Zone 2 Projects/Improvements (Old Encinitas)

## QUAIL GARDENS DRIVE CORRIDOR

### ➤ Project #1: Improved Bike Facility (Buffered Class II Bike Lanes and Green Paint) on Quail Gardens Drive

- Restripe pavement and modify median along Quail Gardens Drive from Leucadia Blvd to Encinitas Blvd to add buffers to the existing Class II bike lanes (1 mile)
- Improvement identified in the City's 2018 **ATP** and 2023 **MAP** Implementation Plan
- South of San Diego Botanic Gardens former entrance, travel lanes and two-way left-turn lane need to be narrowed to 10' lanes to add buffers to existing bike lanes
- North of San Diego Botanic Gardens former entrance, existing raised median would need to be narrowed and/or modified to add buffers to existing bike lanes
- HEU Sites 12, AD2a, AD2b and AD2c have 1,500' of frontage on east side of Quail Gardens Drive and can be conditioned to restripe and add buffers
- May not be feasible to provide continuous buffers in both directions without widening, further evaluation necessary



# Zone 2 Projects/Improvements (Old Encinitas)

## QUAIL GARDENS DRIVE CORRIDOR

### ➤ Project #2: Sidewalk Infill along West Side of Quail Gardens Drive

- Install sidewalk on west side of Quail Gardens Drive from 300' south of Paseo De Las Verdes to 120' north of Kristen Court, along San Diego Botanic Gardens (SDBG) property (1,300')
- Improvement identified in the City's 2018 **ATP** and 2023 **MAP** Implementation Plan
- Installing sidewalk outside of SDBG fence would require extensive removal of trees and vegetation originally planted by SDBG
- Possible option – obtain pedestrian easement on SDBG property to prevent tree/vegetation removal
- Connectivity constraint at south end of SDBG property if seeking pedestrian easement, would require SDBG to provide new pedestrian connection to access south entrance near Quail Gardens Drive

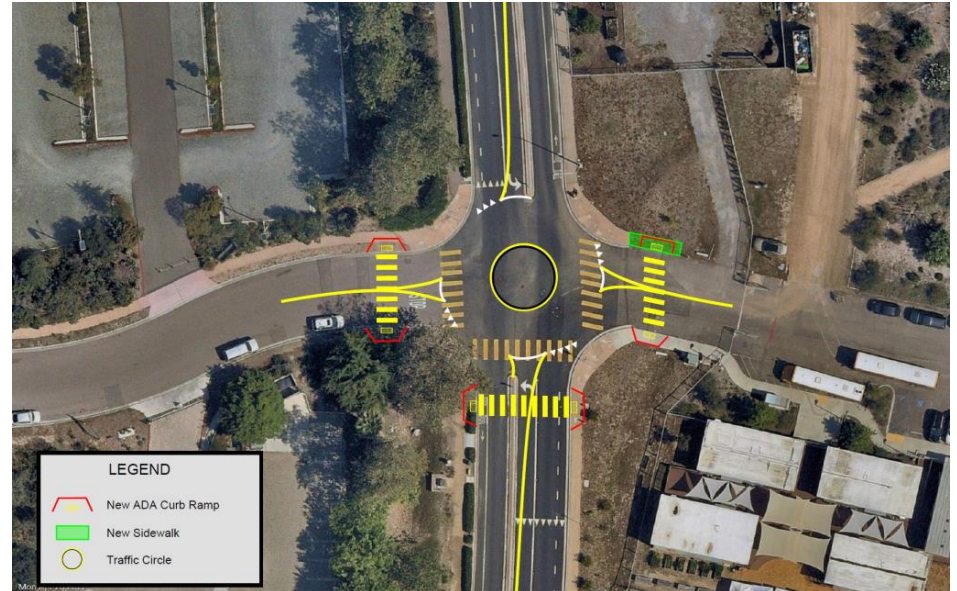


# Zone 2 Projects/Improvements (Old Encinitas)

## QUAIL GARDENS DRIVE CORRIDOR

### ➤ Project #3: Mini-roundabout at Quail Gardens Drive/Ecke Ranch Road

- Install mini-roundabout at Quail Gardens Drive/Ecke Ranch Road intersection
- West leg of intersection adjacent to main driveway for the San Diego Botanic Garden
- Improvement would eliminate the existing northbound and southbound left turn lanes
- Mini-roundabout can provide traffic calming along Quail Gardens Drive and slow speeds.
- Mini-roundabout expected to decrease delay for the eastbound and westbound approaches
- May require Fire Department approval prior to design

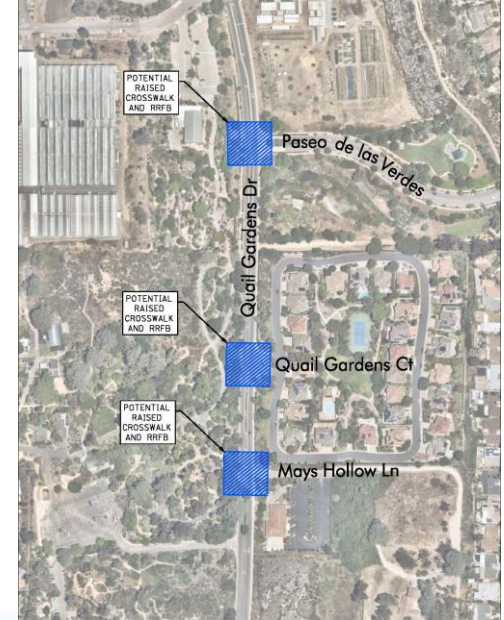


# Zone 2 Projects/Improvements (Old Encinitas)

## QUAIL GARDENS DRIVE/SAXONY ROAD/REGAL ROAD CORRIDORS

### ➤ Project #4: Speed Cushions or Raised Crossings with Rectangular Rapid Flashing Beacons (RRFB's) on Quail Gardens Drive

- Raised crossings/speed tables with RRFBs would provide pedestrian connections across Quail Gardens Drive between Encinitas Blvd and Leucadia Blvd
- Would provide a traffic calming effect
- Would require Fire Department's review and approval before design
- Potential intersection locations – Paseo Del Las Verdes, Quail Gardens Court or May Hollow Lane (1-2 locations not all 3)
- Pedestrian crossings at Quail Gardens Court or May Hollow Lane intersections would require new sidewalk on west side of Quail Gardens Drive, feasibility of sidewalk to be determined

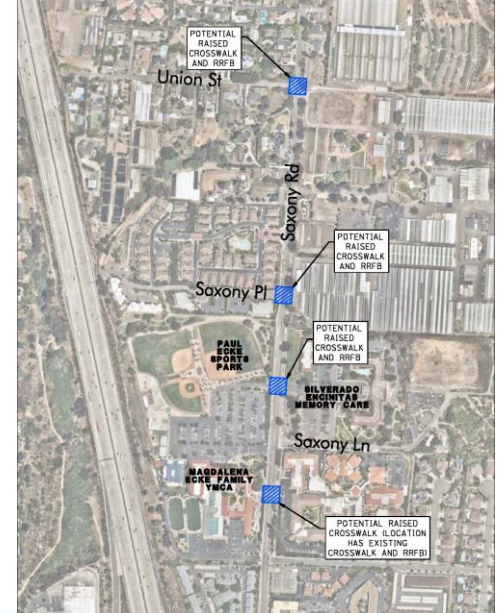


# Zone 2 Projects/Improvements (Old Encinitas)

## QUAIL GARDENS DRIVE/SAXONY ROAD/REGAL ROAD CORRIDORS

### ➤ Project #5: Speed Cushions or Raised Crossings with Rectangular Rapid Flashing Beacons (RRFB's) on Saxony Road

- Raised crossings/speed tables with RRFBs would provide pedestrian connections across Saxony Road between Union Street and Encinitas Boulevard
- Would provide a traffic calming effect
- Would require Fire Department's review and approval before design
- Potential location – enhance existing crosswalk and RRFB near YMCA with a raised crossing to calm traffic
- Other potential locations – Paul Ecke Sports Park Driveway, Saxony Place, or Union Street (1-2 locations not all 3)



# Zone 2 Projects/Improvements (Old Encinitas)

## QUAIL GARDENS DRIVE/SAXONY ROAD/REGAL ROAD CORRIDORS

- **Project #6: Speed Cushions or Raised Crossings with Rectangular Rapid Flashing Beacons (RRFB's) on Regal Road**
  - Raised crossings/speed tables with RRFBs would provide pedestrian connections across Regal Road between Requeza Street and Santa Fe Drive
  - Would provide a traffic calming effect, and help to enforce the 25 MPH speed limit on Regal Road
  - Would require Fire Department's review and approval before design
  - Potential intersection locations – Park Lane, Nobel Court or Melba Road (1-2 locations not all 3)
  - HEU Site AD9 (Seacoast Church property) is located at SW corner of intersection with Melba Road

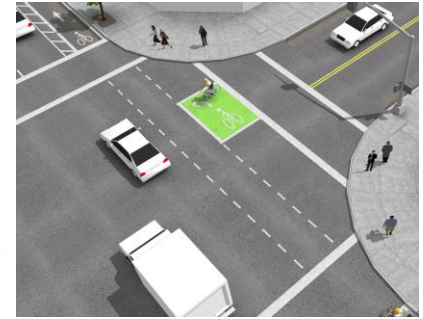
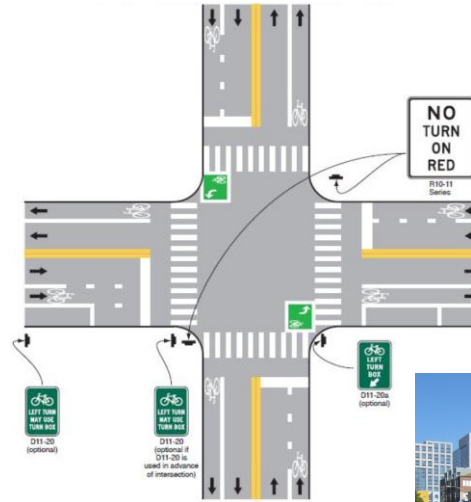


# Zone 2 Projects/Improvements (Old Encinitas)

## QUAIL GARDENS DRIVE/ENCINITAS BOULEVARD/VULCAN AVENUE CORRIDORS

### ➤ Project #7: Bicycle Boxes at Encinitas Blvd/Quail Gardens Drive and Encinitas Blvd/Vulcan Ave Intersections

- Install two-stage left-turn bicycle boxes for all approaches of the Encinitas Boulevard/Quail Gardens Drive and Encinitas Boulevard/Vulcan Avenue intersections
- Improvement provides a formal queuing space for bicyclists to make left turn
- Improvement works best at signalized multi-lane intersections where it is difficult for bicyclists to enter left turn lane from right side of road
- May require implementing “No Turn on Red” for the perpendicular approaches to prevent conflicts between vehicles and queued bicyclists
- Would require education for both bicyclists and drivers





# Zone 2 Projects/Improvements (Old Encinitas)

## WESTLAKE STREET CORRIDOR

### ➤ Project #8: Class II Buffered Bike Lanes and Travel Lane Narrowing on Westlake Street

- Restripe Westlake Drive from Encinitas Blvd to Requeza Street to provide buffered Class II bike lanes (0.3 mile)
- Improvement identified in the City's 2018 **ATP** and 2023 **MAP** Implementation Plan
- Existing on-street parking in areas may be removed
- Travel lanes would need to be reduced to 10' to accommodate the bike lanes and provide traffic calming
- Southern half of corridor may not be wide enough to accommodate buffers in addition to bike lanes, may need to drop buffers where there isn't sufficient width



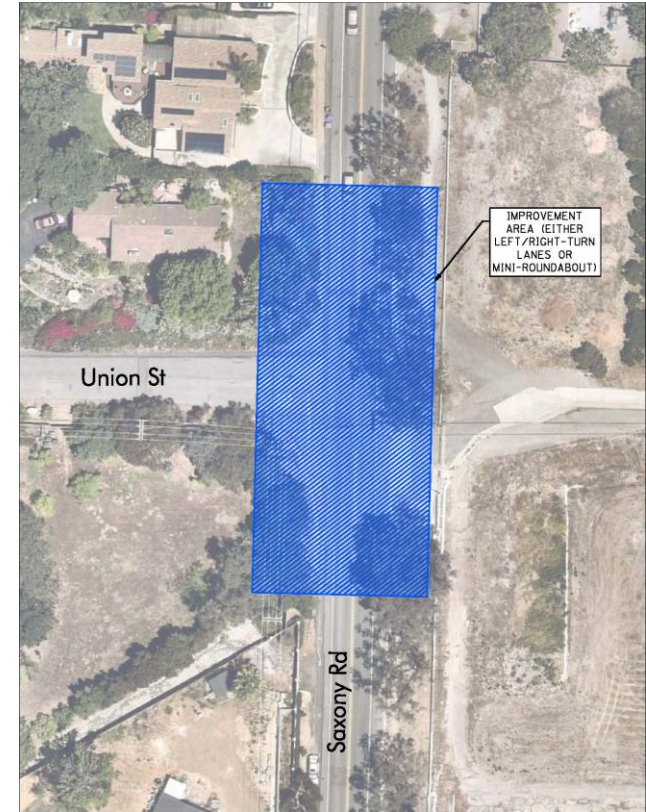
# Zone 2 Projects/Improvements (Old Encinitas)

## SAXONY ROAD CORRIDOR

### ➤ Project #9A: Saxony Road/Union Street Intersection Improvements

#### Option A: Modify striping to provide a northbound left-turn pocket and a southbound right-turn lane on Saxony Road leading to Union Street

- Improvement would reduce conflicts between through and turning traffic on Saxony Road and improve traffic flow
- If Class II bike lanes are installed, the southbound bike lane would need to drop at the right turn lane to avoid widening
- Pavement widening may be needed along the west side to include left-turn pocket and bike lanes.



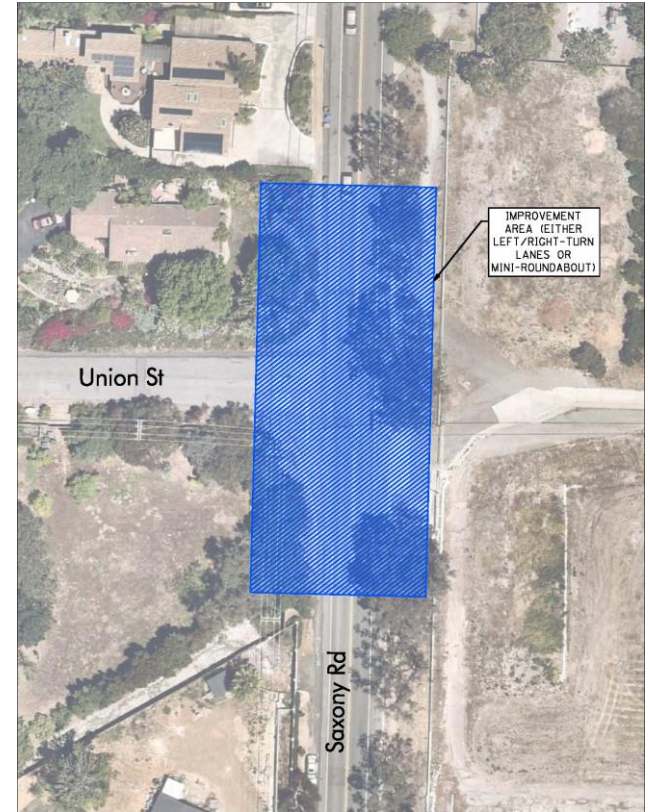
# Zone 2 Projects/Improvements (Old Encinitas)

## SAXONY ROAD CORRIDOR

### ➤ Project #9B: Saxony Road/Union Street Intersection Improvements

#### Option B: Install mini-roundabout at Saxony Road/Union Street intersection

- Mini-roundabout can provide traffic calming along Saxony Road
- Mini-roundabout may decrease delay for the eastbound Union Street approach
- May be a more feasible option if widening is necessary to install a northbound left-turn lane per Option A
- May require Fire Department approval prior to design



# Zone 2 Projects/Improvements (Old Encinitas)

## SAXONY ROAD CORRIDOR

### ➤ Project #10: Saxony Road Class II Bike Lanes

- Install Class II bike lanes on Saxony Road from Ecke Ranch Road to Encinitas Blvd (0.6 mile)
- Improvement identified in the City's 2018 **ATP** and 2023 **MAP** Implementation Plan
- Bike lanes can be installed with restriping roadway, no widening needed
- Existing on-street parking would need to be removed on at least one side of road to accommodate Class II bike lanes
- Maintaining on-street parking on west side recommended due to higher parking utilization



# Zone 2 Projects/Improvements (Old Encinitas)

## SAXONY ROAD CORRIDOR

### ➤ Project #11: Union Street DG Pedestrian Path

- Construct Decomposed Granite (DG) pedestrian path along north of Union Street from Saxony Road to terminus at I-5 (1,260')
- Improvement identified in the City's 2018 **ATP**
- Approximately 200' would be constructed by the Clark Avenue Apartments project (HEU Site AD31) as part of their required frontage improvements
- Improvement would provide pedestrian connection between Saxony Road and future bicycle/pedestrian bridge over I-5 freeway
- Extensive removal of vegetation and multiple trees would be necessary
- Potential ROW impacts with adjacent residential properties

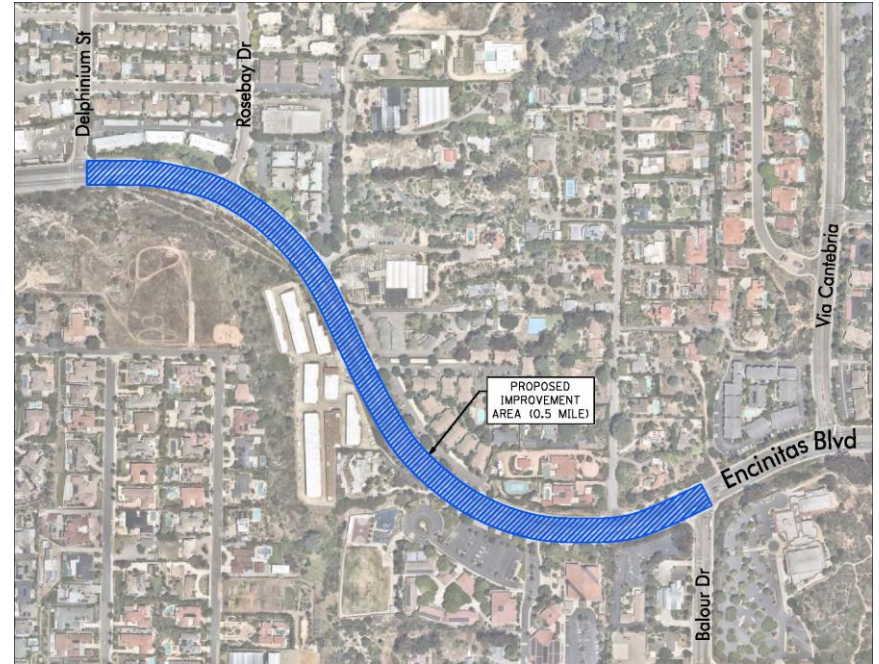


# Zone 2 Projects/Improvements (Old Encinitas)

## ENCINITAS BOULEVARD CORRIDOR

### ➤ Project #12: Encinitas Boulevard Improvements

- Install raised medians on Encinitas Boulevard between Delphinium Street and Balour Drive while maintaining existing left-turn access at key intersections
- Restripe Encinitas Blvd to include narrowing of travel lanes and widening of existing bike lanes
- Provide green paint in existing Class II bike lanes along Encinitas Boulevard between Delphinium Street and Balour Drive upstream and downstream of intersections where bicycle-vehicle conflicts are expected to be the greatest
- Improvements would improve bicycle safety and visibility in the corridor and provide traffic calming



# Zone 2 Projects/Improvements (Old Encinitas)

## REGAL ROAD CORRIDOR

### ➤ Project #13: Regal Road Class II Bike Lanes

- Install Class II bike lanes on Regal Road from Requeza Street to Santa Fe Drive (0.5 mile)
- Improvement identified in the City's 2018 ATP and 2022 Encinitas **MAP** Prioritization Report
- Bike lanes can be installed with restriping roadway along most of roadway
- Vehicle travel lanes may need to be reduced to 10' in each direction south of Melba Road
- Existing on-street parking would need to be removed and is heavily utilized along entire corridor
- Removing on-street parking would impact most residential properties along corridor



# Zone 2 Projects/Improvements (Old Encinitas)

## THIRD STREET CORRIDOR

### ➤ Project #14: Bulb-Outs on South Leg of 3<sup>rd</sup> Street/B Street Intersection

- Install bulb-outs on south leg of 3<sup>rd</sup> Street/B Street intersection to match existing bulb-outs on north leg
- Improvement identified in City's 2022 Local Roadway Safety Plan (LRSP)
- Improvement would reduce distance for pedestrians to cross street
- Improvement would remove only one existing on-street parking space
- Improvement could cause drainage issues at SW corner of intersection



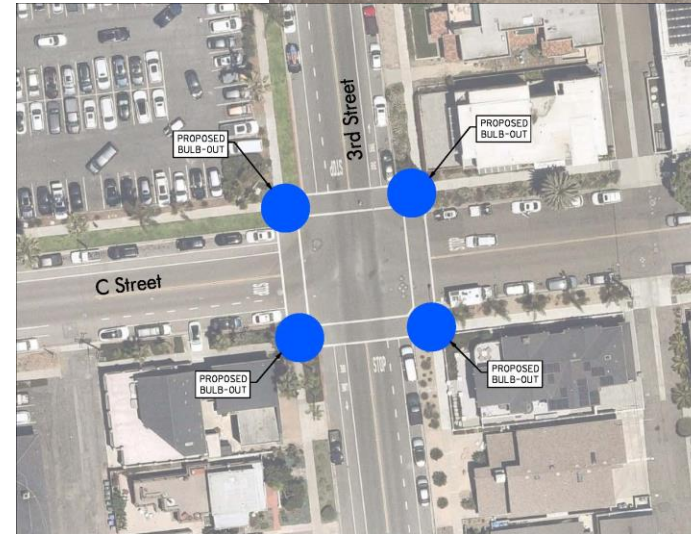


# Zone 2 Projects/Improvements (Old Encinitas)

## THIRD STREET CORRIDOR

### ➤ Project #15: Bulb-Outs on All Legs of 3<sup>rd</sup> Street/C Street Intersection

- Install bulb-outs and high-visibility crosswalks on all legs of 3<sup>rd</sup> Street/C Street intersection
- Large number of pedestrians cross intersection to/from Moonlight Beach, similar to 3<sup>rd</sup> Street/B Street intersection
- Improvement would reduce distance for pedestrians to cross street
- Improvement would remove only 6-8 existing on-street parking spaces
- Improvement could cause drainage issues at SW and SE corners of intersection



# Zone 2 Projects/Improvements (Old Encinitas)

## MULTIPLE STREETS

### ➤ Project #16: Conversion of Parallel Parking to Angled Parking Spaces

- Convert parallel curb parking to angled parking spaces along one side of the following streets to increase on-street parking supply of neighborhood near Moonlight Beach:
  - Fourth Street (A Street to B Street)
  - Third Street (A Street to B Street)
  - Second Street (A Street to B Street)
- Street grades will need to be considered in determining angled parking configuration (back-in vs. nose-in parking) and which side of street to implement

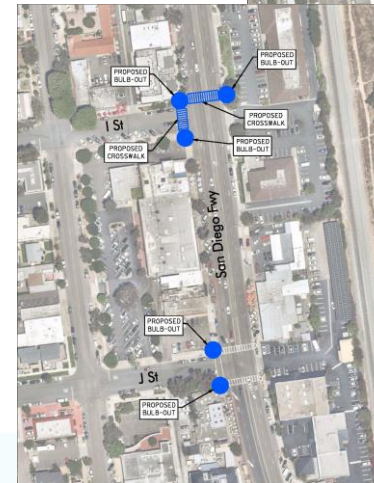
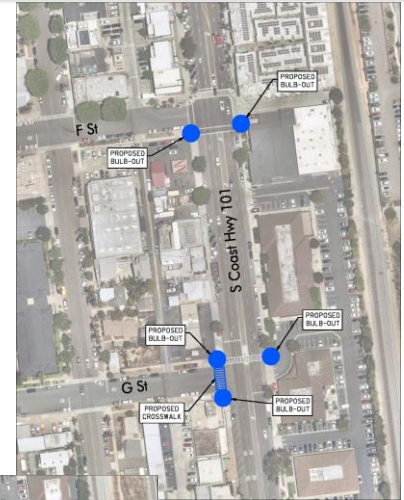


# Zone 2 Projects/Improvements (Old Encinitas)

## SOUTH COAST HIGHWAY CORRIDOR

### ➤ Project #17: Bulb-Outs on S. Coast Highway 101 at F Street, G Street, I Street, J Street

- Install bulb-outs at SW and SE corners of S. Coast Highway 101/F Street intersection (NW/NE corners have bulb-outs)
- Install bulb-outs at NW, NE and SW corners of S. Coast Highway 101/G Street intersection, stripe crosswalk across G Street
- Install bulb-outs at NW, NE and SW corners of S. Coast Highway 101/I Street intersection, stripe high-visibility crosswalk across S. Coast Highway 101 (north leg) and crosswalk across I Street
- Install bulb-outs at NW and SW corners of S. Coast Highway 101/J Street intersection
- Bulb-outs would reduce distance for pedestrians to cross streets
- Would remove only 6-8 existing on-street parking spaces along corridor



# Zone 2 Projects/Improvements (Old Encinitas)

## ALL CORRIDORS

### ➤ Project #18: Speed Feedback Signs

- To be placed at strategic locations to alert drivers of real-time speed
- Installation of signs would help calm traffic speeds on streets with issues such as excessive speeding, limited sight distance or uncontrolled crosswalks
- Effectiveness may decrease over time as drivers may disregard signs
- Solar powered signs preferred to avoid installing new service meters or the need to replace batteries

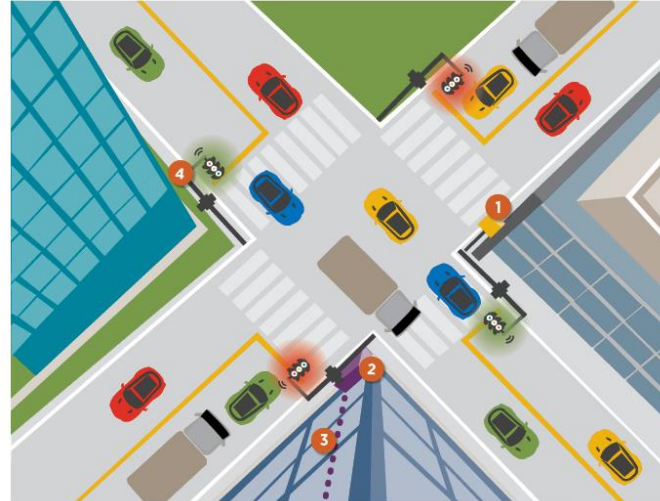


# Zone 2 Projects/Improvements (Old Encinitas)

## ALL CORRIDORS

### ➤ Project #19: Adaptive Signal Timing

- Conventional signal systems use pre-programmed, daily signal timing schedules.
- Adaptive signal control technology adjusts the timing of red, yellow and green lights to accommodate changing traffic patterns and ease traffic congestion and improve traffic flow.
- Benefits:
  - 1) Continuously distribute green light time equitably for all traffic movements
  - 2) Improve travel time reliability by progressively moving vehicles through green lights
  - 3) Reduce congestion by creating smoother flow
  - 4) Prolong the effectiveness of traffic signal timing



#### Typical Adaptive Signal Control Intersection

- 1 Real-time information on levels of traffic congestion provided by detectors
  - 2 Traffic congestion levels processed in traffic control cabinet
  - 3 Processed traffic information transmitted to cloud server where it provides real-time data for the adaptive system
  - 4 Green time intervals vary based on cloud-based adaptive control system
- Continuous time adjustments sent to the traffic control cabinet

# Zone 2 Projects/Improvements (Old Encinitas)

## ALL CORRIDORS

- **Project #20: Increased Sheriff Enforcement for Vehicles and Bikes**
  - Increase Sheriff enforcement for both motor vehicle and bicycle traffic violations
  - Additional funding would be required for Sheriff staffing.

# Additional Zone 2 (Old Encinitas) Projects from Community

# Zone 2 Projects/Improvements (Old Encinitas)

**Please provide any questions you may have on the projects before we start our break-out session.**



# 4. Break-Out Session

# Key Questions for Consideration

**Please write down responses via comment cards**

**Q1:** What are your top infrastructure concerns with the future growth of the City? Lack of active transportation facilities (bike lanes and pedestrian walkways), increased traffic delay and congestion, need for traffic calming/reduced speeds, others? Please provide details.

**Q2:** Which corridors/streets do you believe require infrastructure improvements with the future growth of the City?

**Q3:** What factors do you think should be used to prioritize projects? Community input, potential cost, equity, significance of impact, location near a school or park, lack of existing infrastructure in an area, safety, etc.? Please list and rank your top three.

**Q4:** Do you support any projects that were presented? Which ones would you consider to be the top priority?

**Q5:** Are there any projects that were not presented that should be included in this study? Please list them

**Q6:** Please list your top three projects from Questions #4 and 5. Please rank from 1 (top priority) to 3.

**Q7:** Any additional comments?

# 5. Report Back / Q&A Session

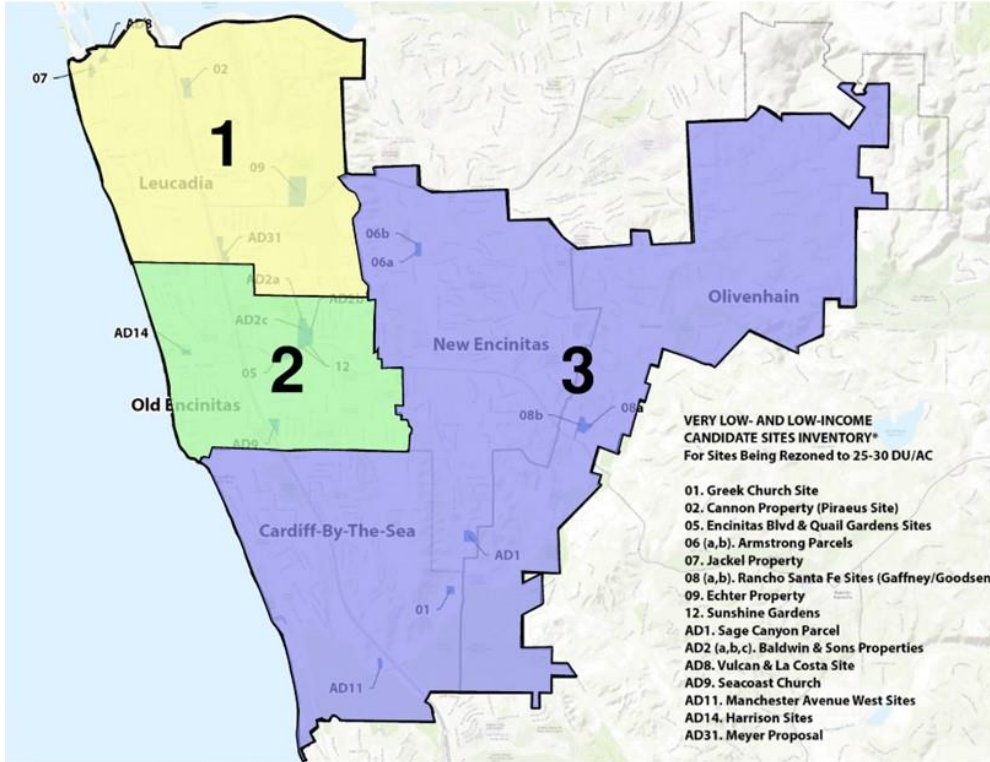
# Report Back

**Please write down responses via comment cards**

- Q1:** What are your top infrastructure concerns with the future growth of the City? Lack of active transportation facilities (bike lanes and pedestrian walkways), increased traffic delay and congestion, need for traffic calming/reduced speeds, others? Please provide details.
- Q2:** Which corridors/streets do you believe require infrastructure improvements with the future growth of the City?
- Q3:** What factors do you think should be used to prioritize projects? Community input, potential cost, equity, significance of impact, location near a school or park, lack of existing infrastructure in an area, safety, etc.? Please list and rank from 1 (top factor) to 3.
- Q4:** Do you support any projects that were presented? Which ones would you consider to be the top priority?
- Q5:** Are there any projects that were not presented that should be included in this study? Please list them.
- Q6:** Please list your top three projects from Questions #4 and 5. Please rank from 1 (top priority) to 3.
- Q7:** Any additional comments?

## **6. Closing & Meeting Activity**

# Additional Community Meetings



## Meeting #1 (Zone 1)

**Monday, August 21, 2023**

**Corridors: La Costa Ave, Vulcan Ave, Piraeus St, Saxony Rd, Leucadia Blvd, N. Coast Hwy 101**

## Meeting #2 (Zone 2)

**Tuesday, August 29, 2023**

**Corridors: Quail Gardens Dr, Encinitas Blvd, Saxony Rd, S. Coast Hwy 101, Regal Rd**

## Meeting #3 (Zone 3)

**Wednesday, August 30, 2023**

**Corridors: North and South El Camino Real, Encinitas Blvd, Rancho Santa Fe Rd, Manchester Ave**

**Thank you for attending today's meeting!  
Please turn in comment cards prior to  
leaving.**



**Please contact:  
Matthew Edgeworth, Associate Traffic Engineer  
medgeworth@encinitasca.gov  
760-633-2875**


# Meeting Activity

Please let us know your top three (3) projects using provided stickers


## Rules

- Cannot place all stickers on the same project (everyone's set of stickers contains a unique number on them). Staff will review project boards for duplicate numbers and disqualify these stickers.
- Point system – your #1 project should be given the most points.


**AWARD YOUR TOP PROJECT WITH THE HIGHEST NUMBER OF POINTS.**

 = 3 Points

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 = 2 Points

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 = 1 Point