

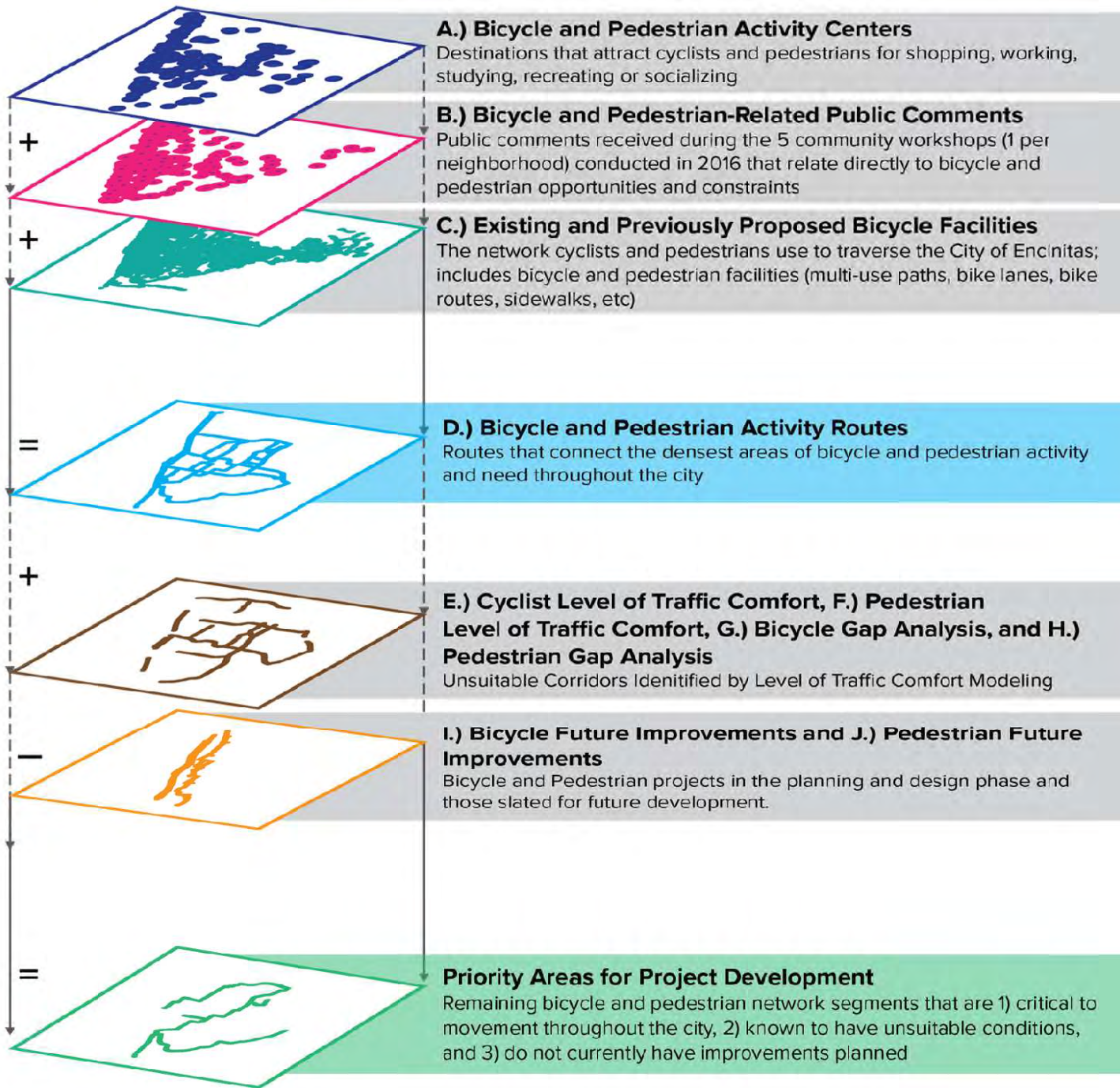
Coastal Mobility & Livability Working Group

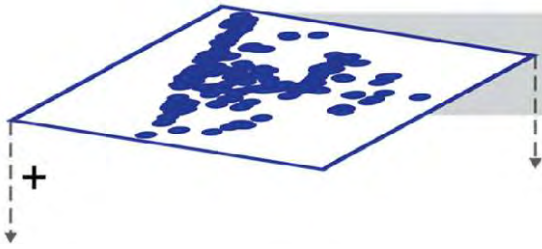
*Citywide and Corridor Specific Active
Transportation Plan*

*Meeting #6.2
October 02, 2017*

1. Agenda Review
2. Call to Order / Meeting Notes
3. Public Comment
4. Working Session:
 - a. Public Input Summary
 - b. Gap Analysis
 - c. Level of Comfort / Stress Analysis
 - d. Citywide Recommendations
 - e. Corridor Recommendations
5. Wrap Up / Next Steps

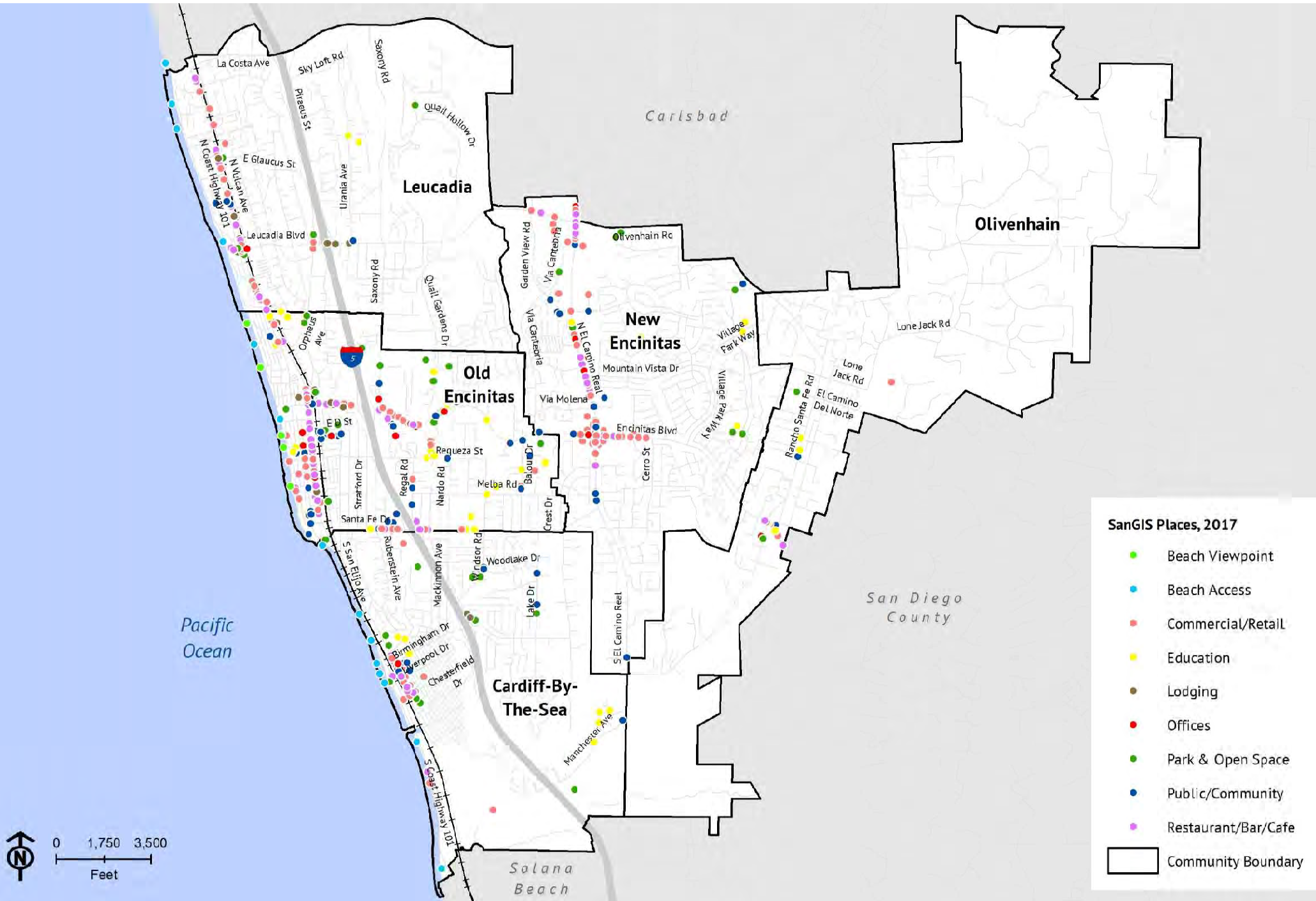


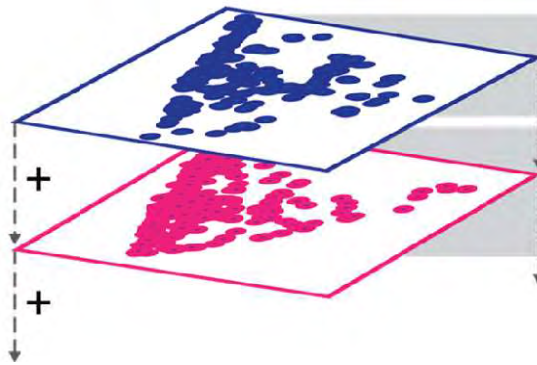




A.) Bicycle and Pedestrian Activity Centers

Destinations that attract cyclists and pedestrians for shopping, working, studying, recreating or socializing



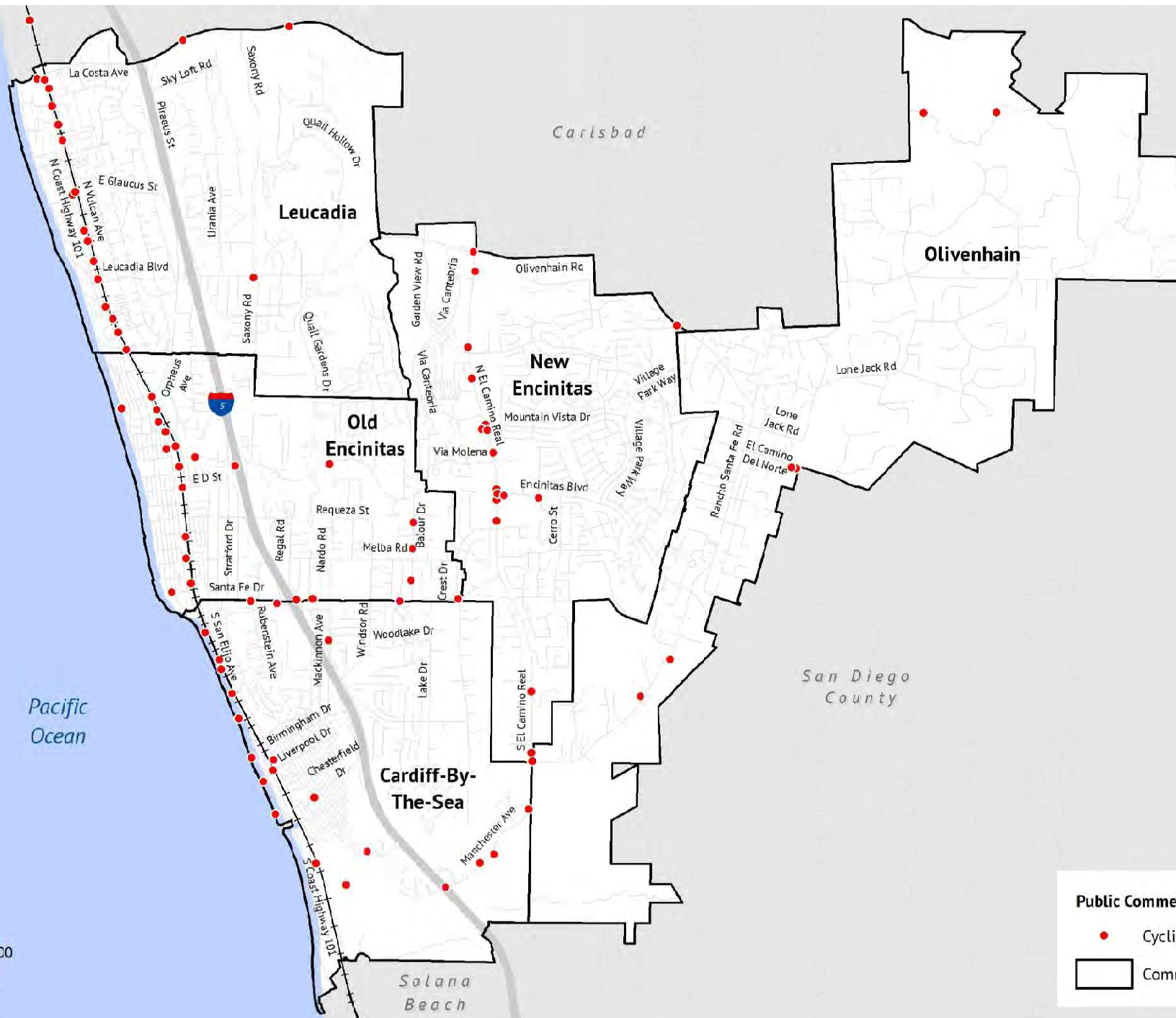


A.) Bicycle and Pedestrian Activity Centers

Destinations that attract cyclists and pedestrians for shopping, working, studying, recreating or socializing

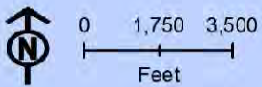
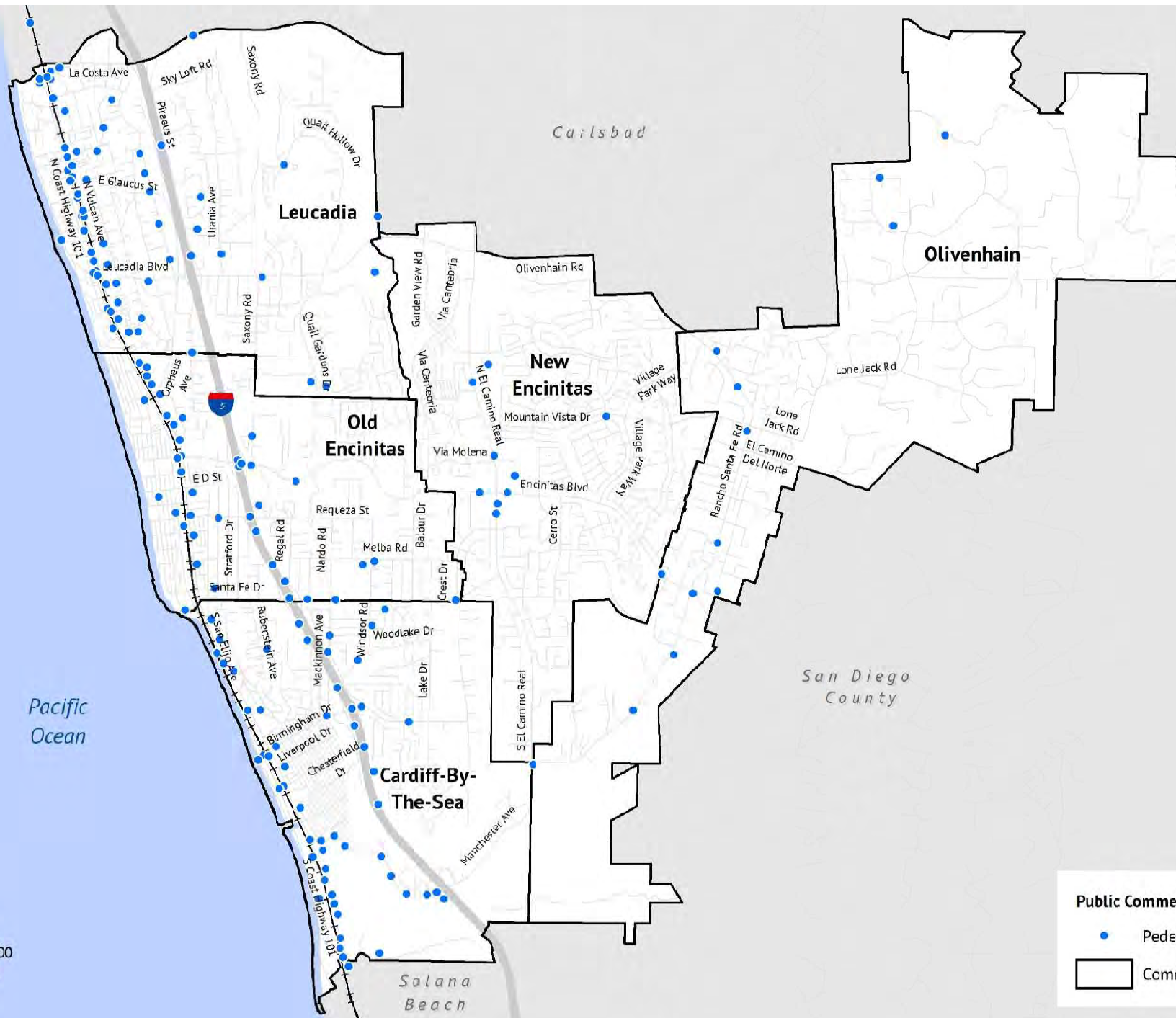
B.) Bicycle and Pedestrian-Related Public Comments

Public comments received during the 5 community workshops (1 per neighborhood) conducted in 2016 that relate directly to bicycle and pedestrian opportunities and constraints



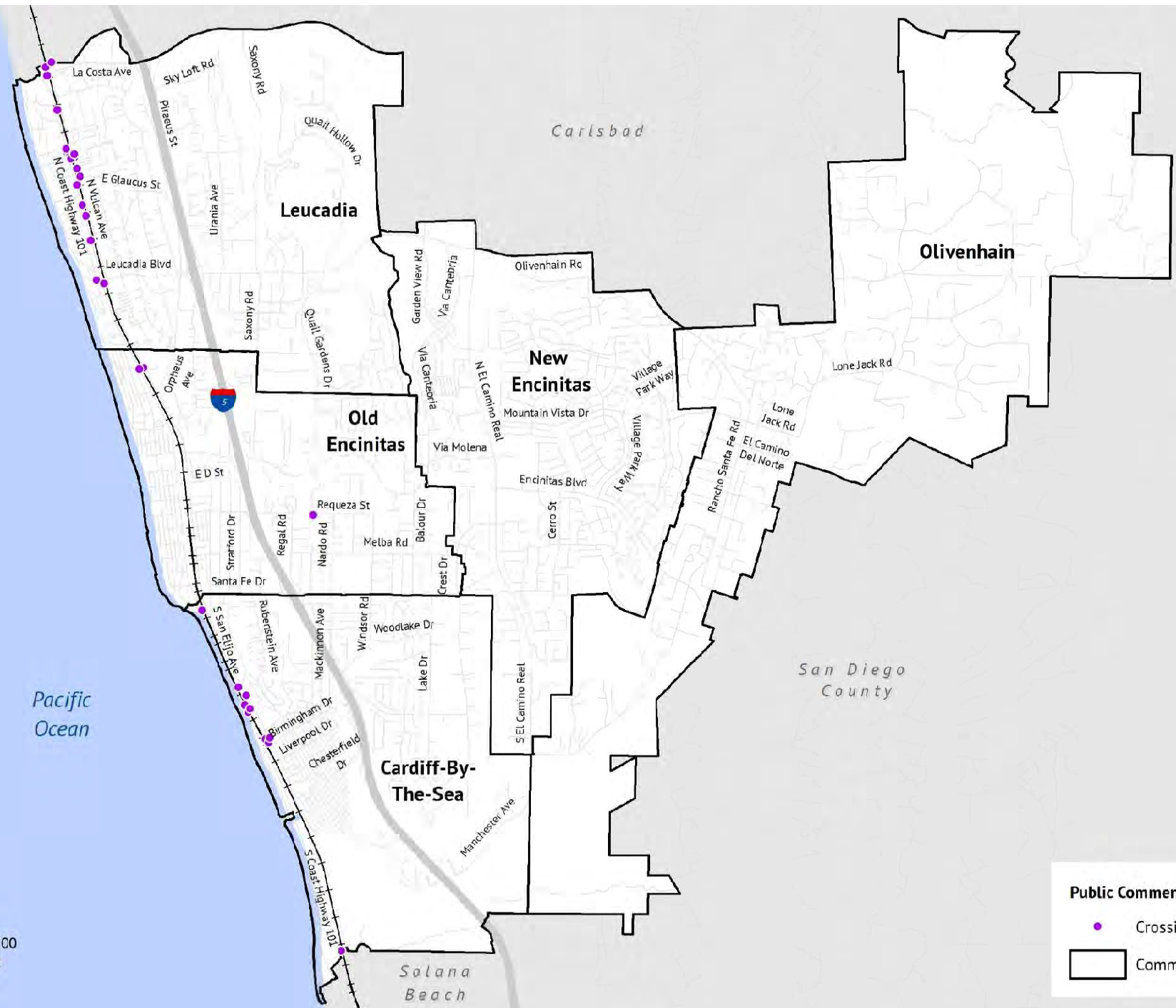
Public Comments by Topic

- Cyclist Issue
- Community Boundary





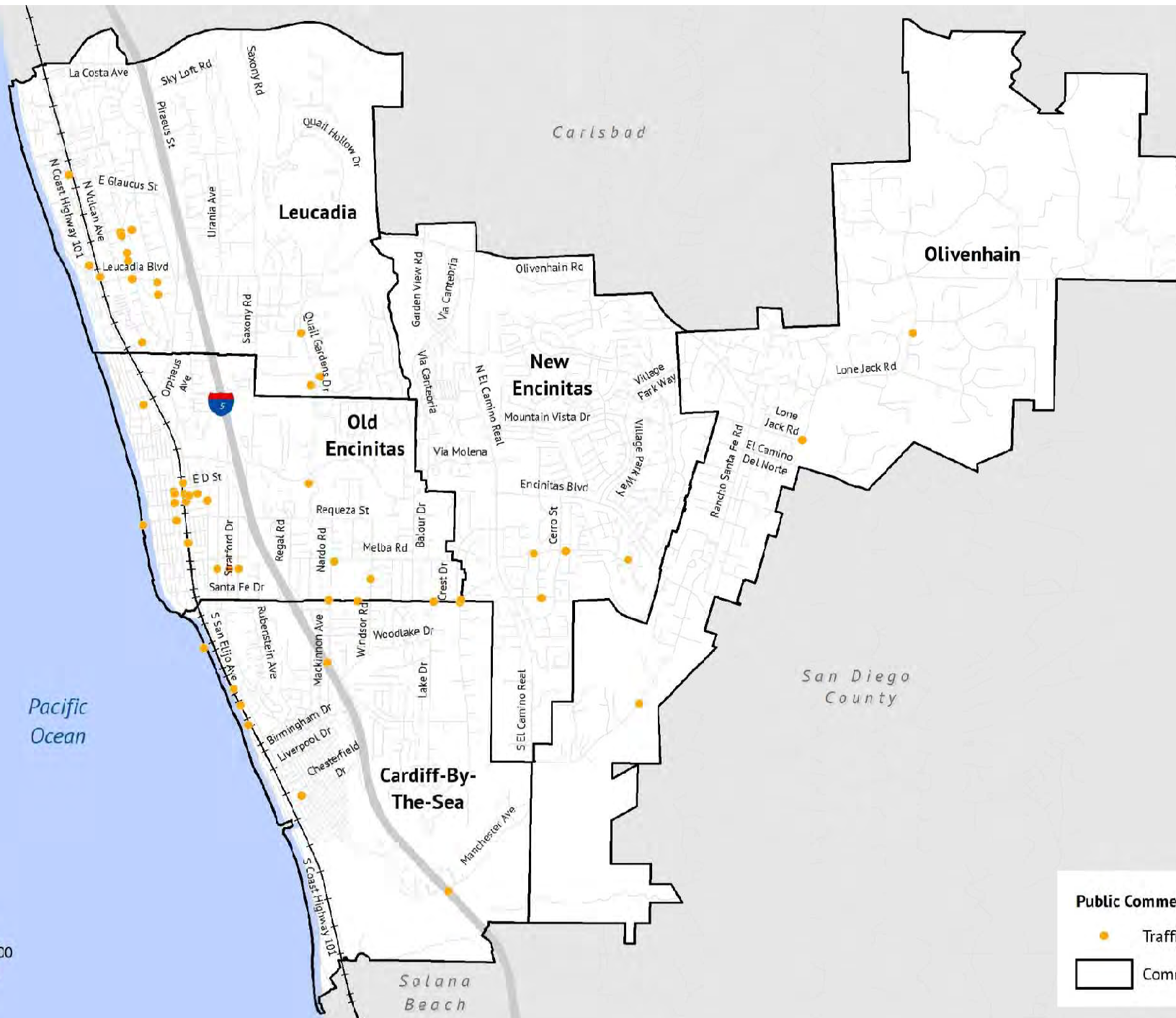
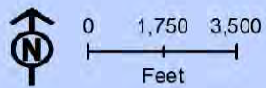
Public Comments by Topic

- Pedestrian Issues
- Community Boundary



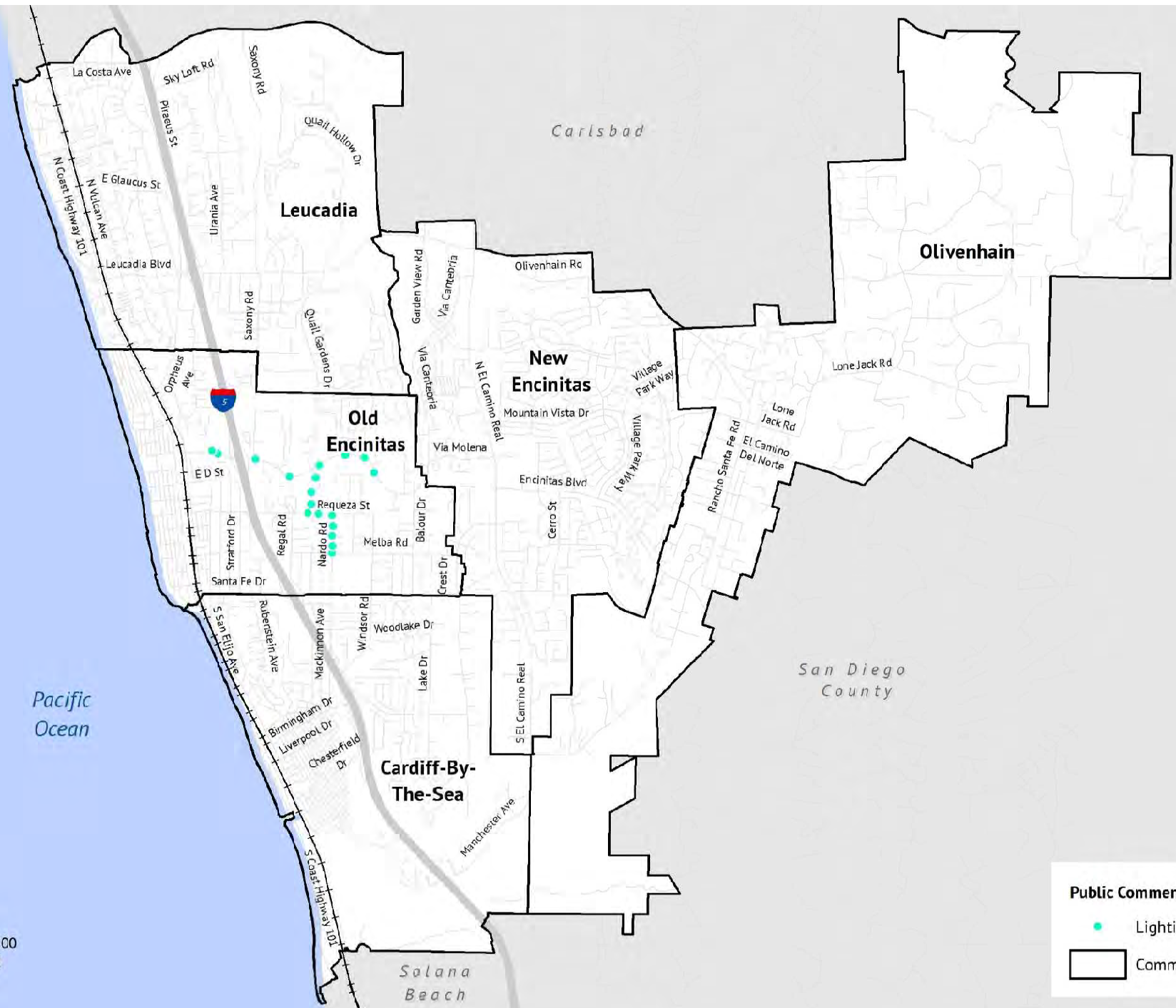
Public Comments by Topic

-  Crossing Issue
-  Community Boundary





Public Comments by Topic

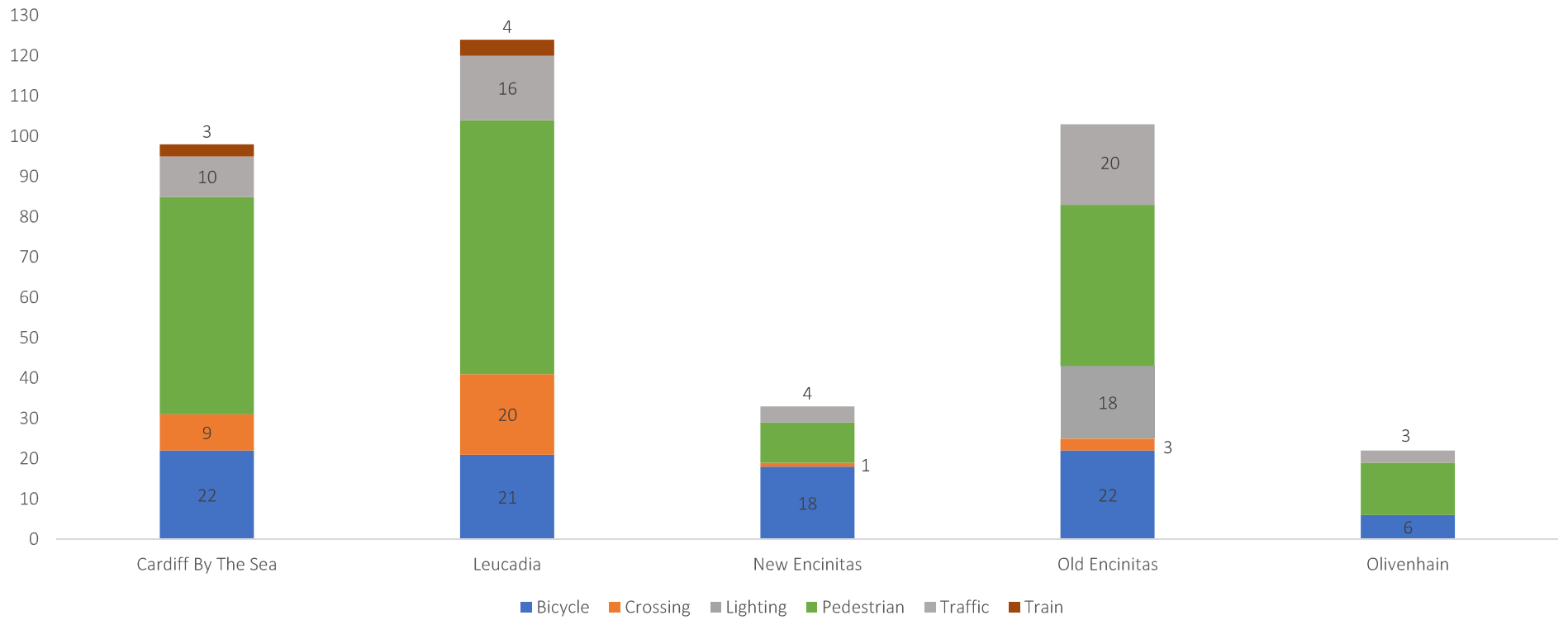
- Traffic Issue
- Community Boundary



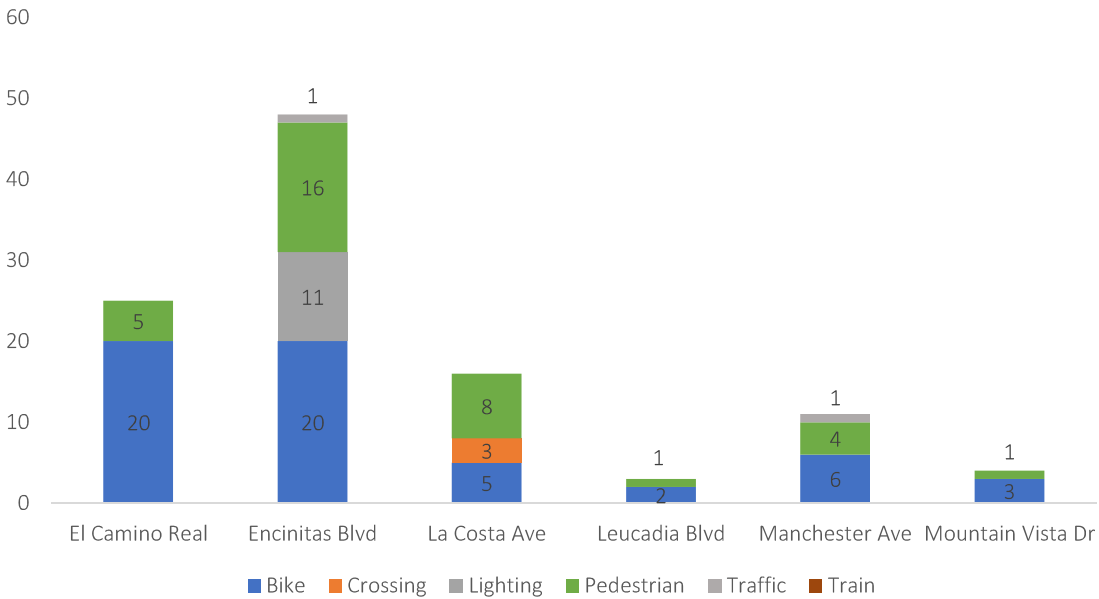
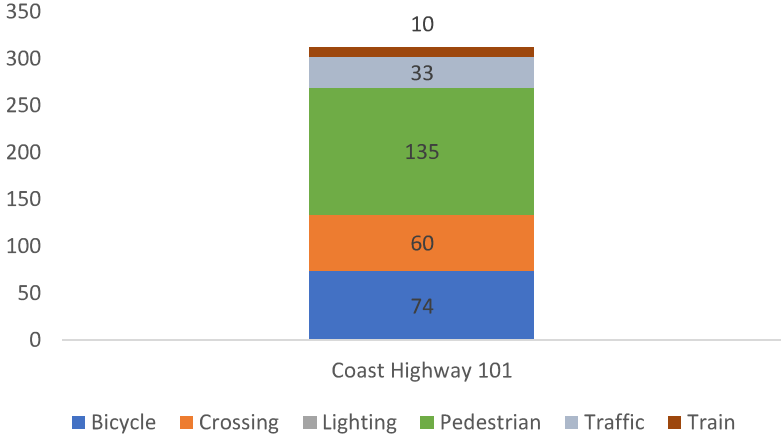
Public Comments by Topic

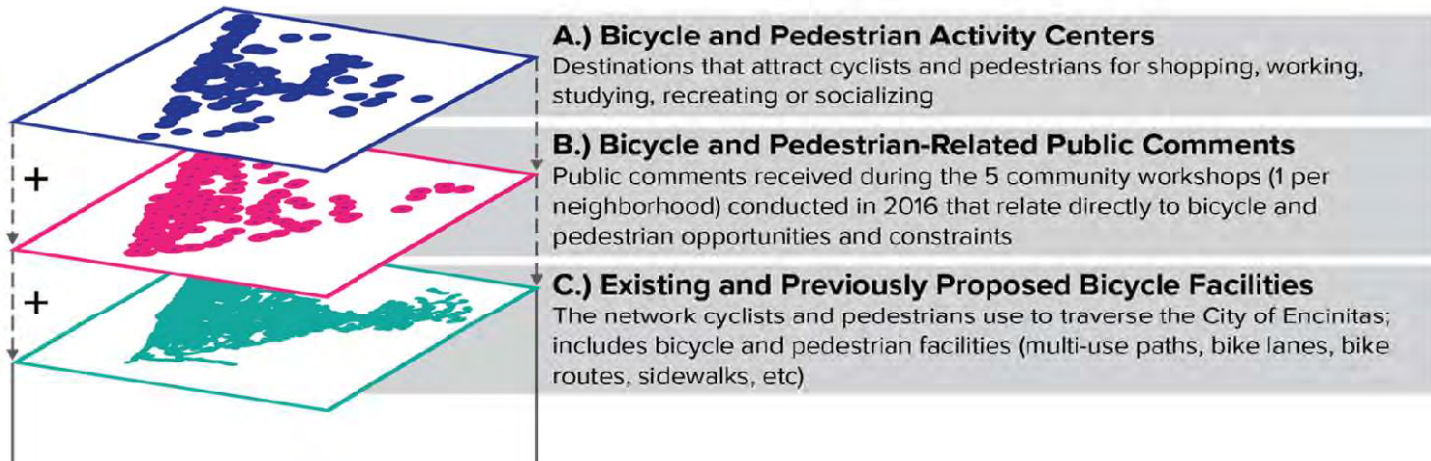
-  Lighting Issue
-  Community Boundary

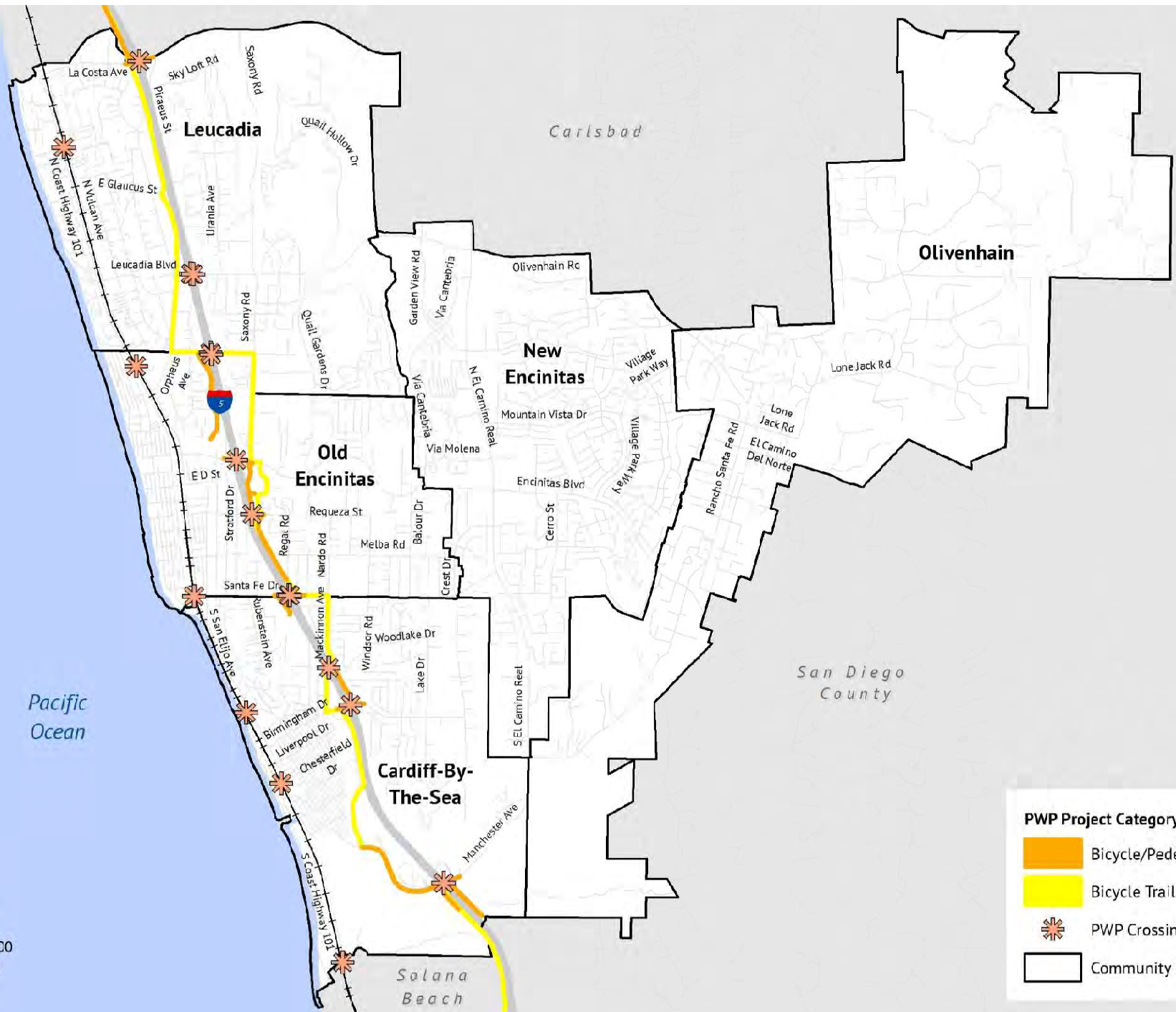
Public Comment Topics by Community



Public Comment Topics by Corridor

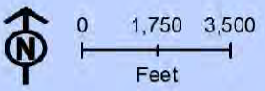


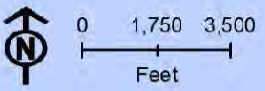
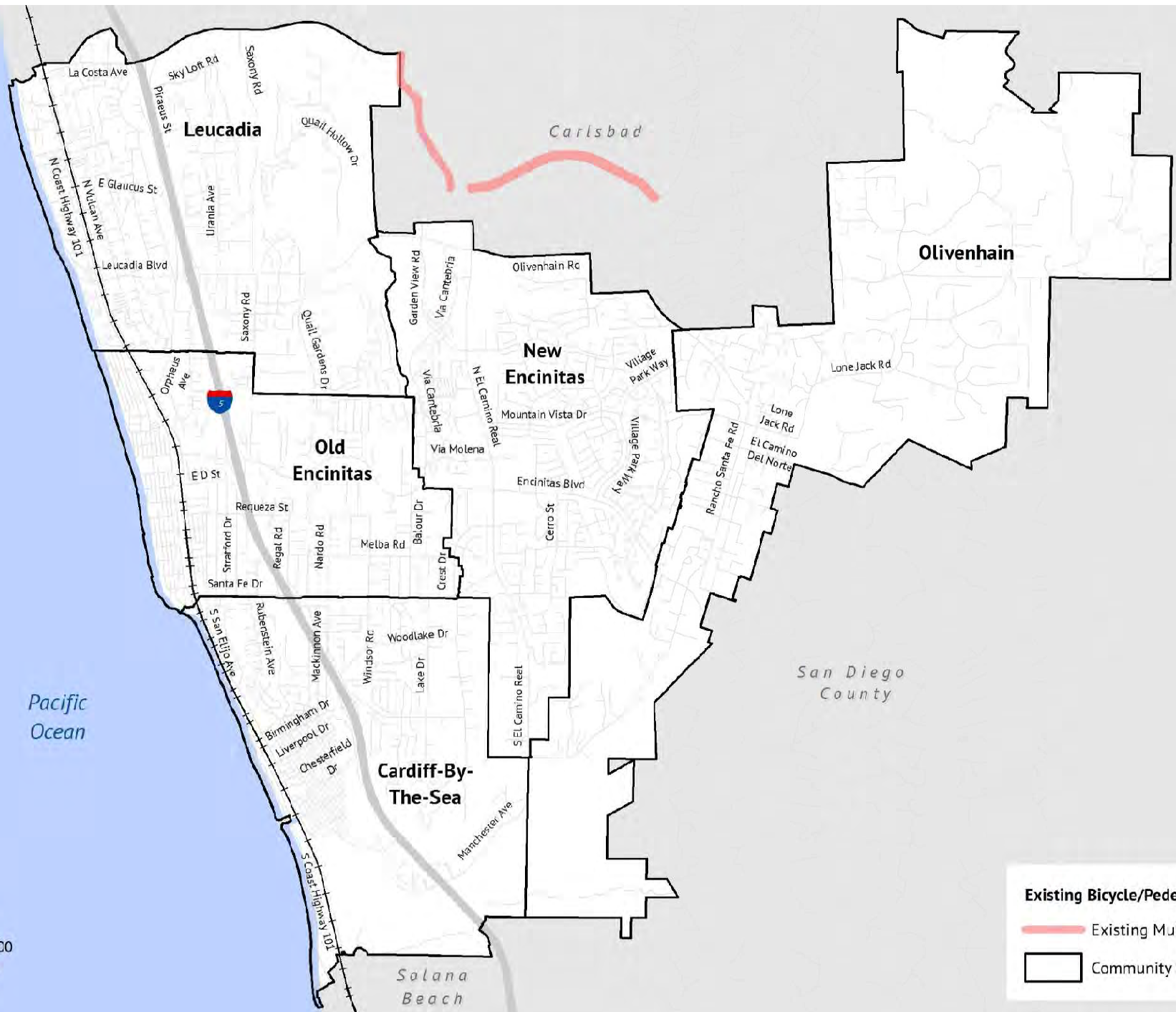




PWP Project Category

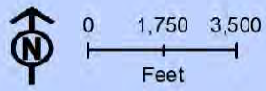
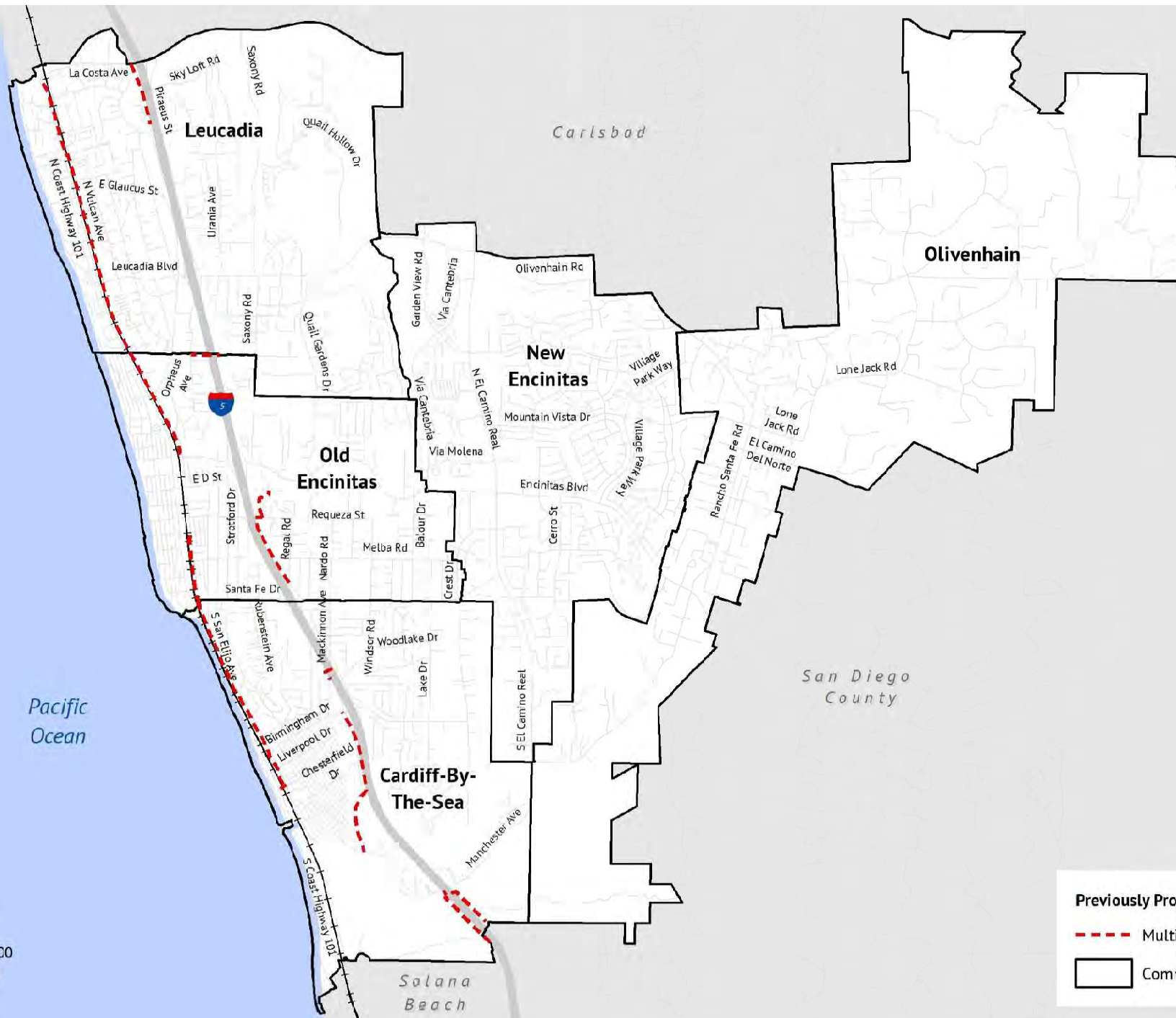
- Bicycle/Pedestrian Project
- Bicycle Trail
- PWP Crossing Improvement
- Community Boundary





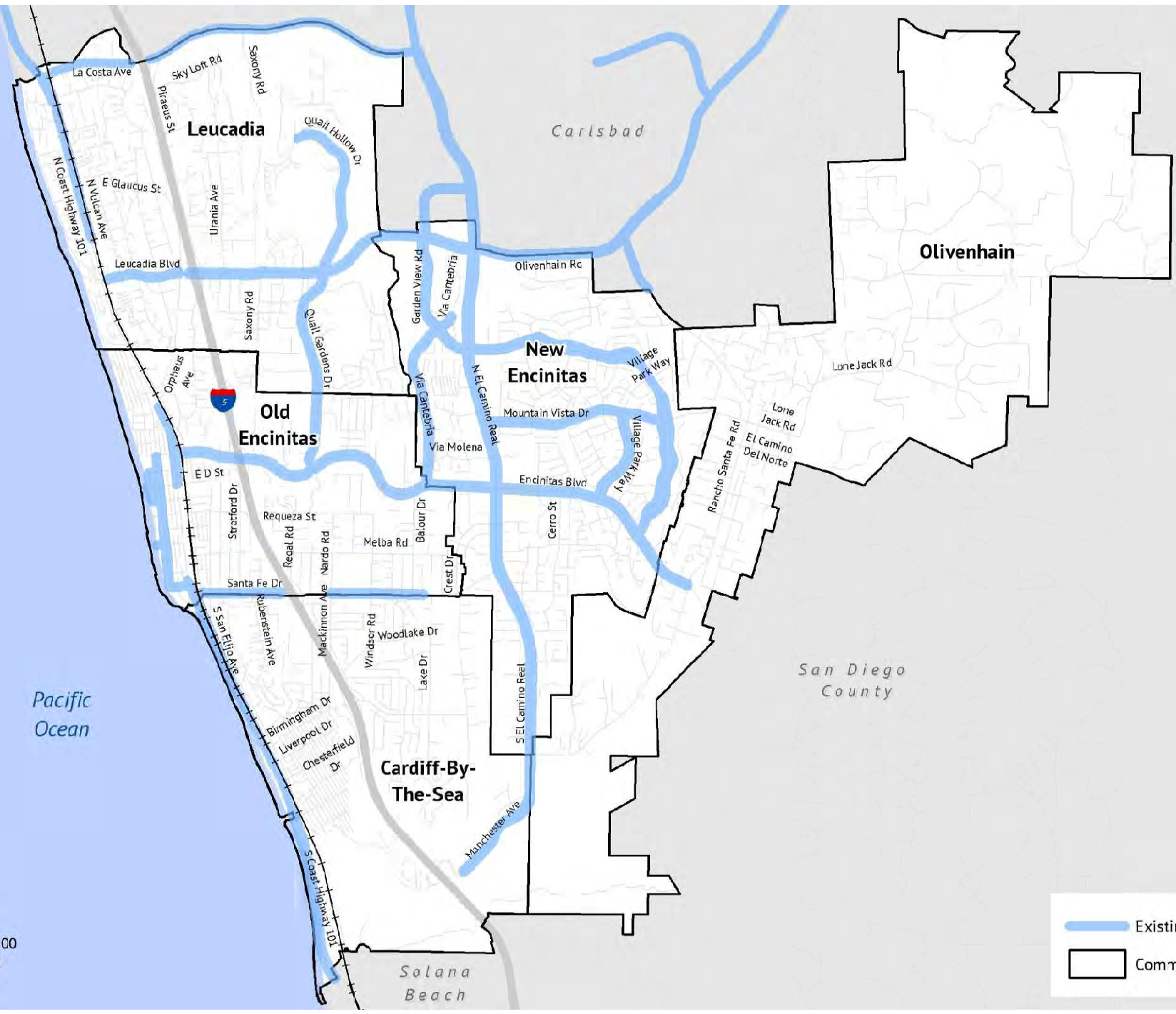
Existing Bicycle/Pedestrian Facilities

- Existing Multi-use Path
- Community Boundary

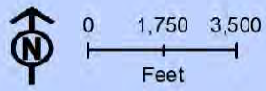
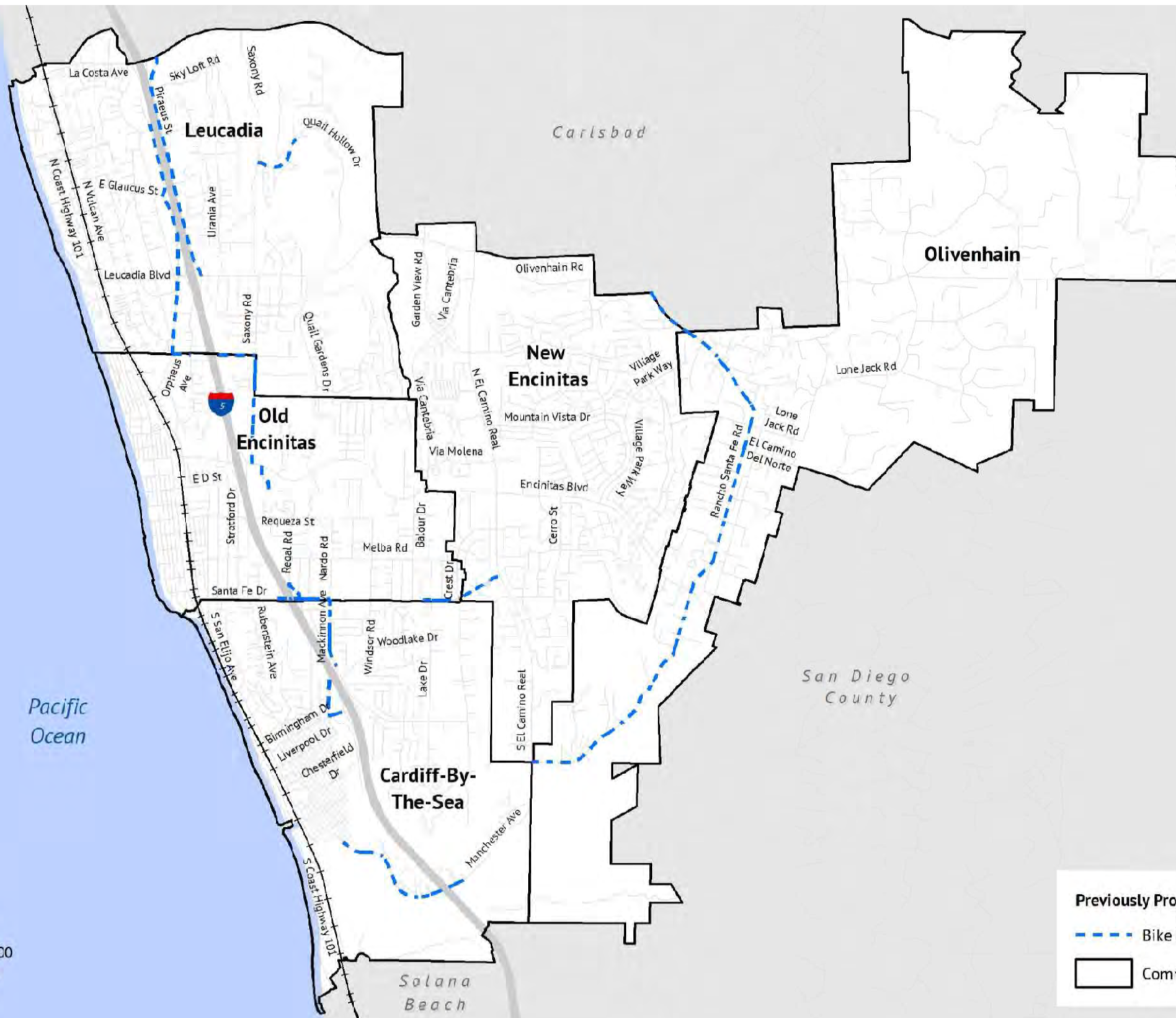


Previously Proposed Facilities

- Multi-use Path
- Community Boundary



	Existing Bike Lane
	Community Boundary



Previously Proposed Facilities

- - - Bike Lane
- Community Boundary

Leucadia

Old Encinitas

New Encinitas

Cardiff-By-The-Sea

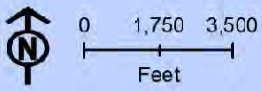
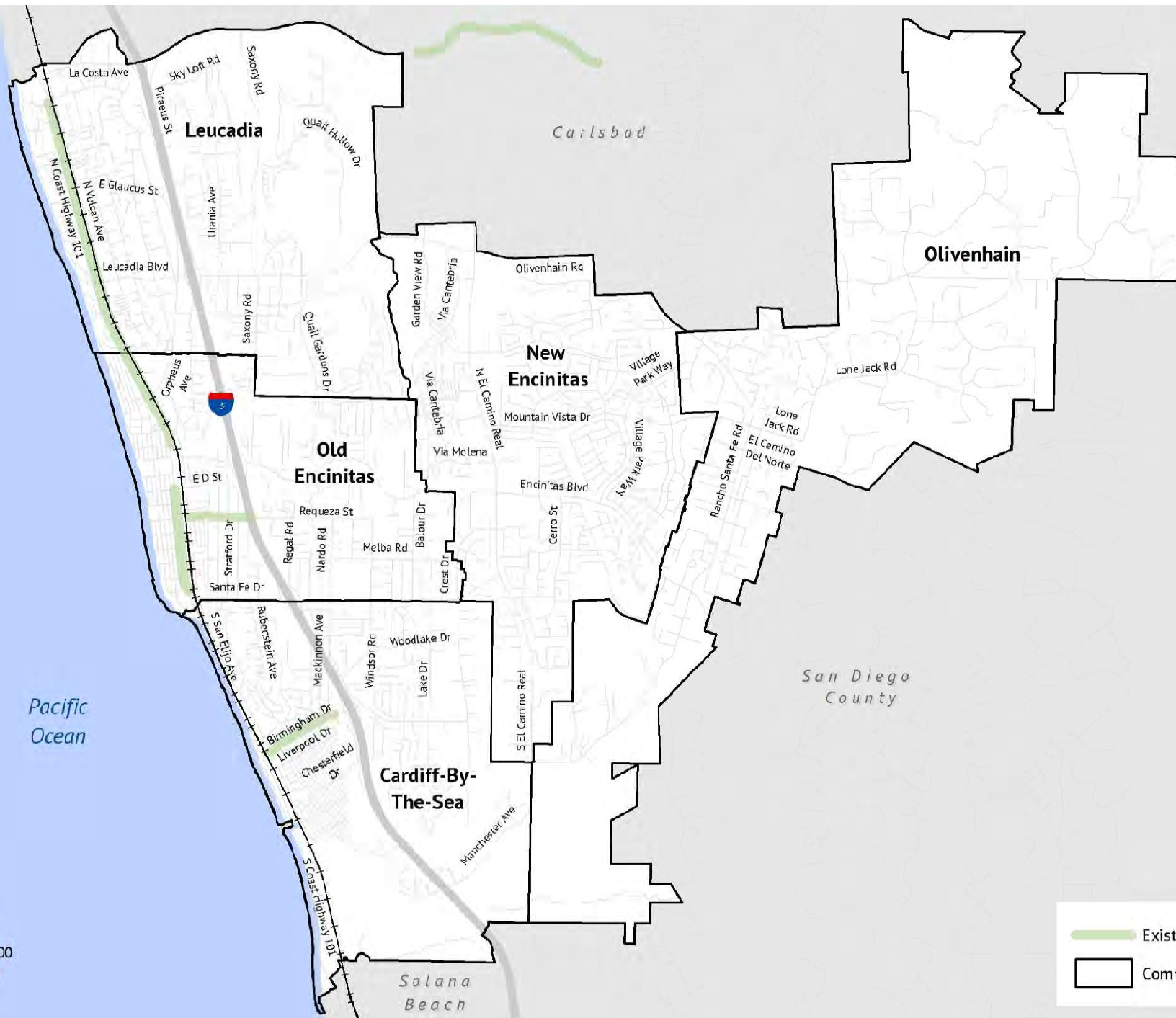
Olivenhain

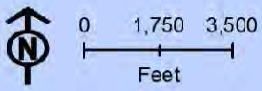
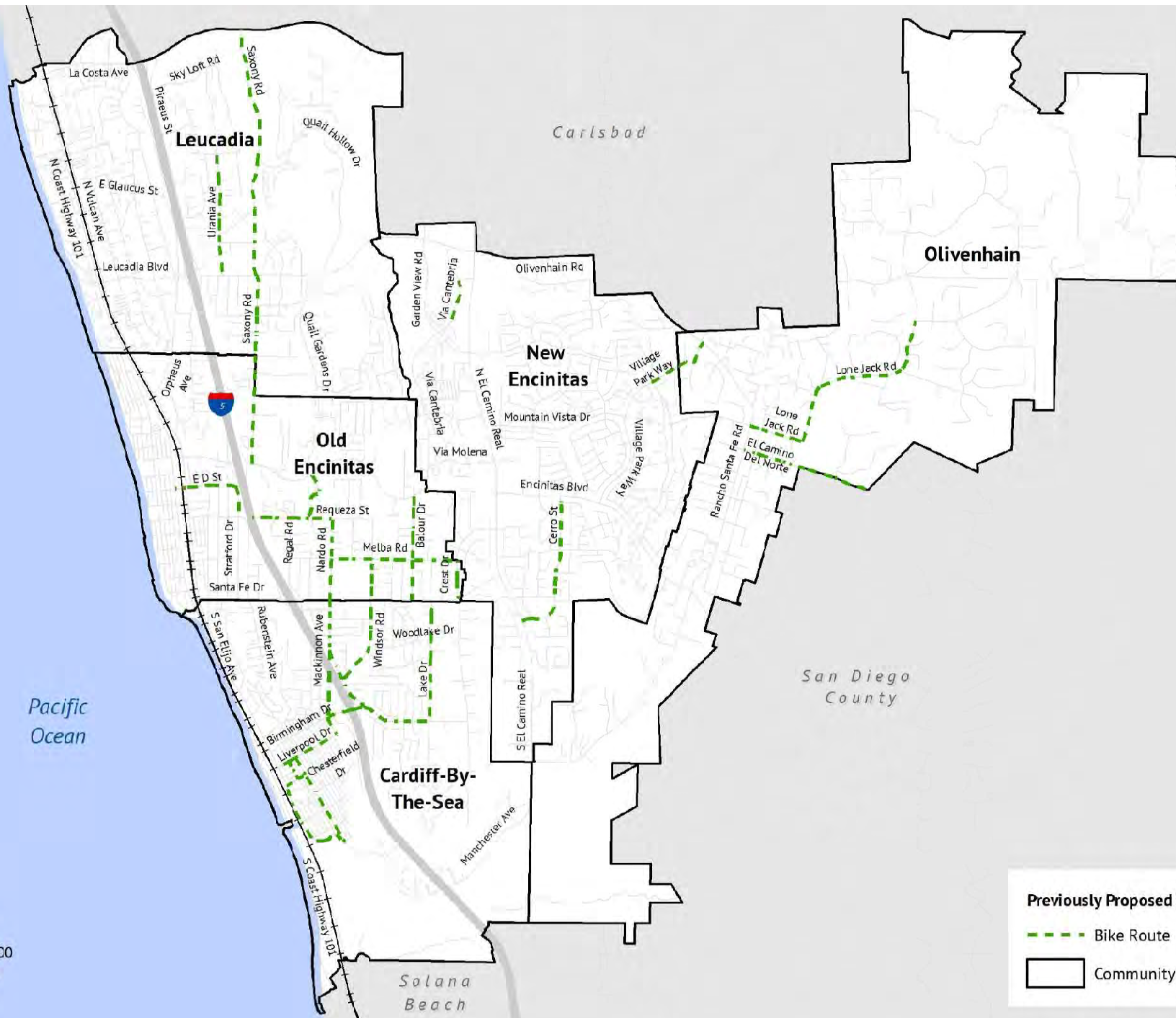
Carlsbad

San Diego County

Salana Beach

Pacific Ocean





Previously Proposed Bicycle Facilities

- - - Bike Route
- Community Boundary

Leucadia

Old Encinitas

New Encinitas

Olivenhain

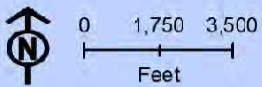
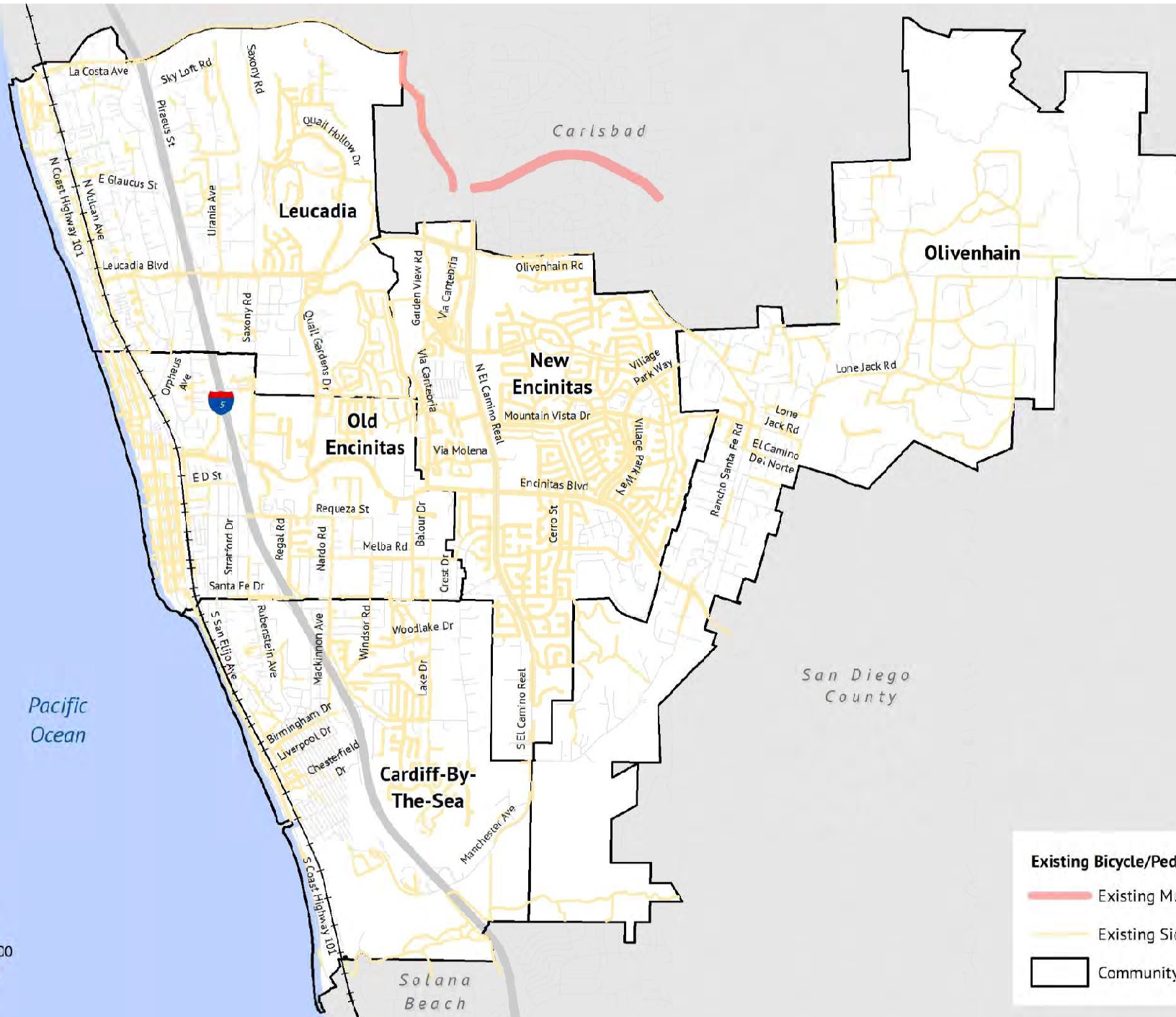
Cardiff-By-The-Sea

Carlsbad

San Diego County

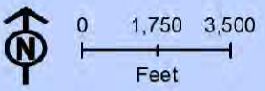
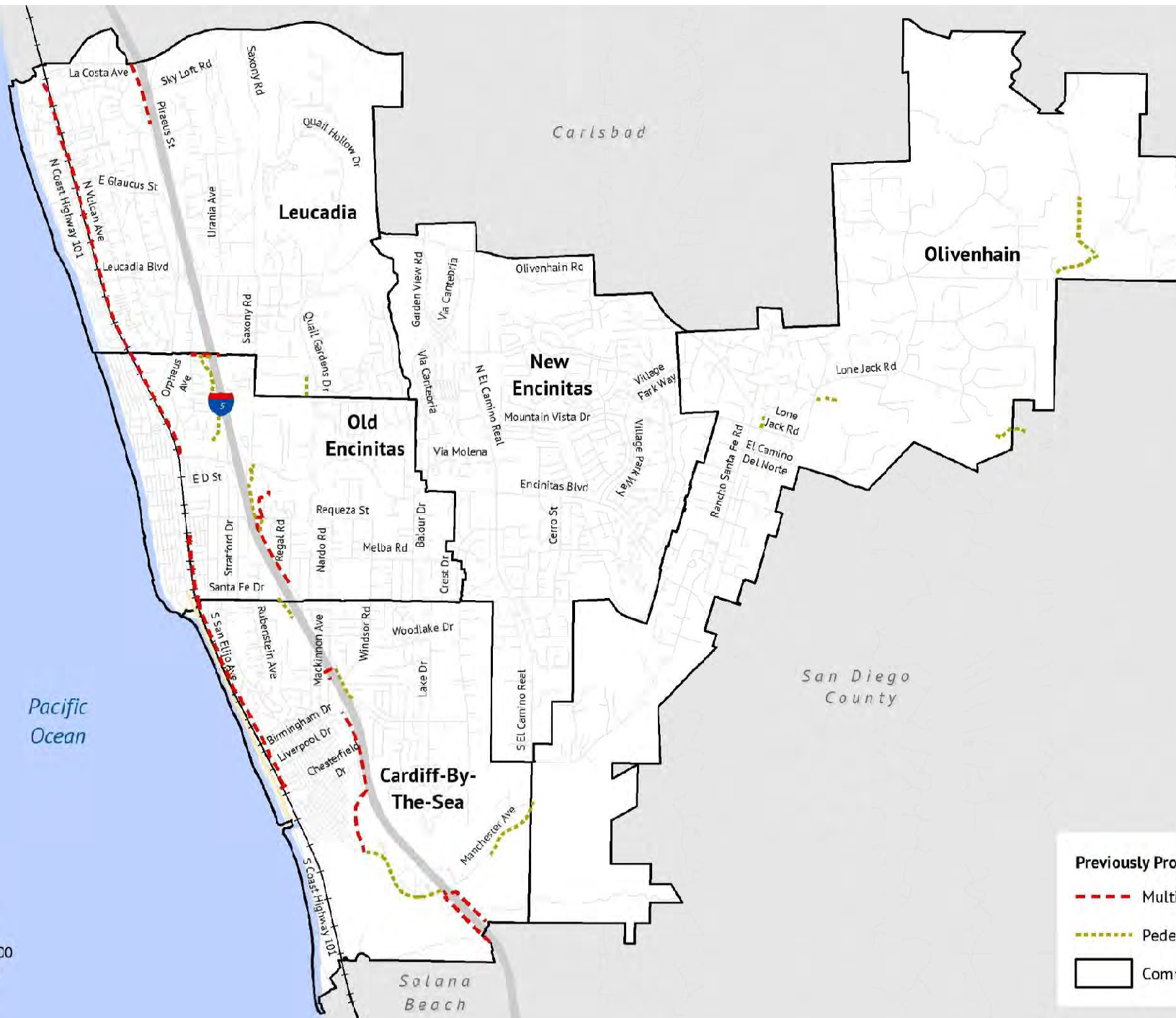
Salana Beach

Pacific Ocean



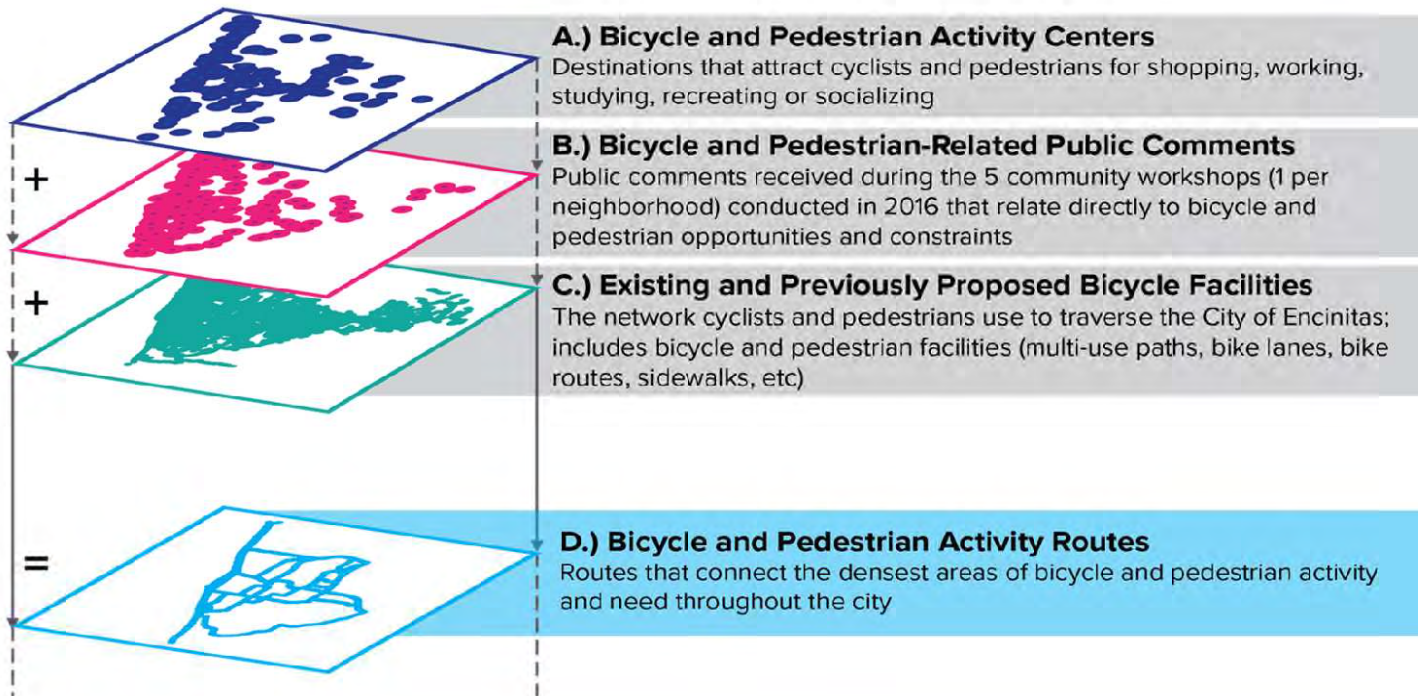
Existing Bicycle/Pedestrian Facilities

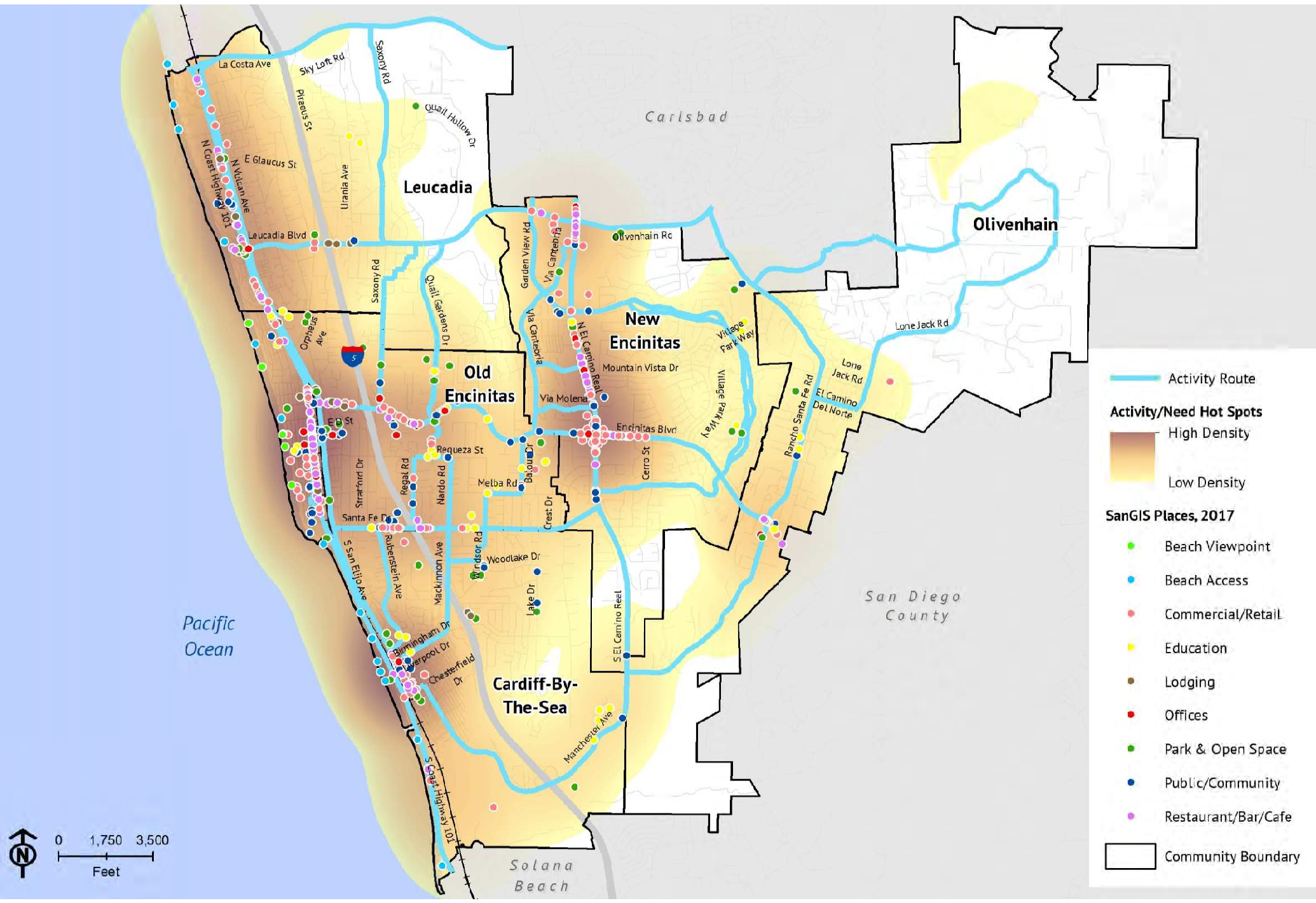
- Existing Multi-use Path
- Existing Sidewalk/Trail
- Community Boundary

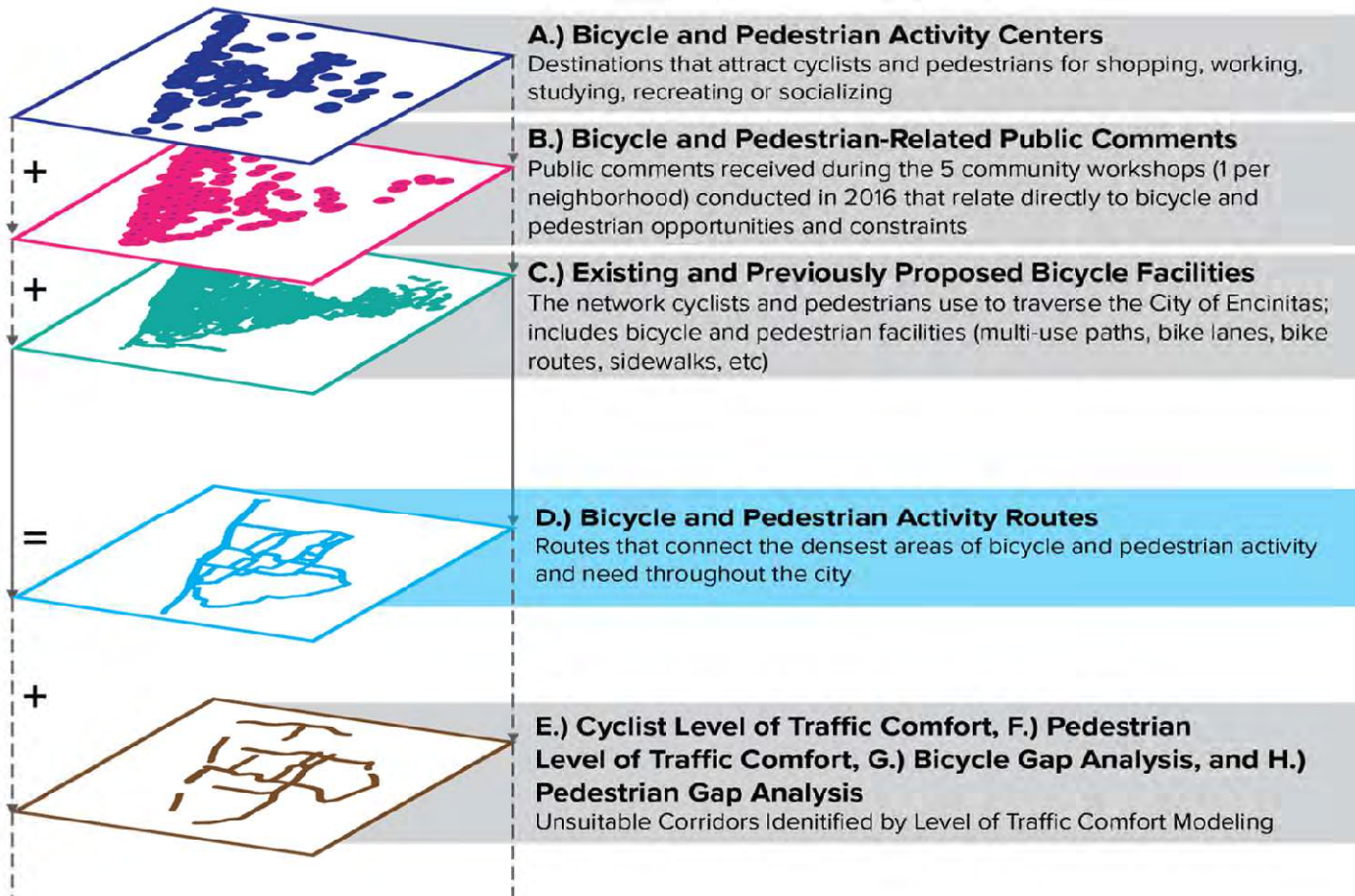


Previously Proposed Facilities

- - - Multi-use Path
- . . . Pedestrian Trail
- Community Boundary







Bicycle Level of Traffic Comfort (LTC)

Bike Lanes (Class II Only)

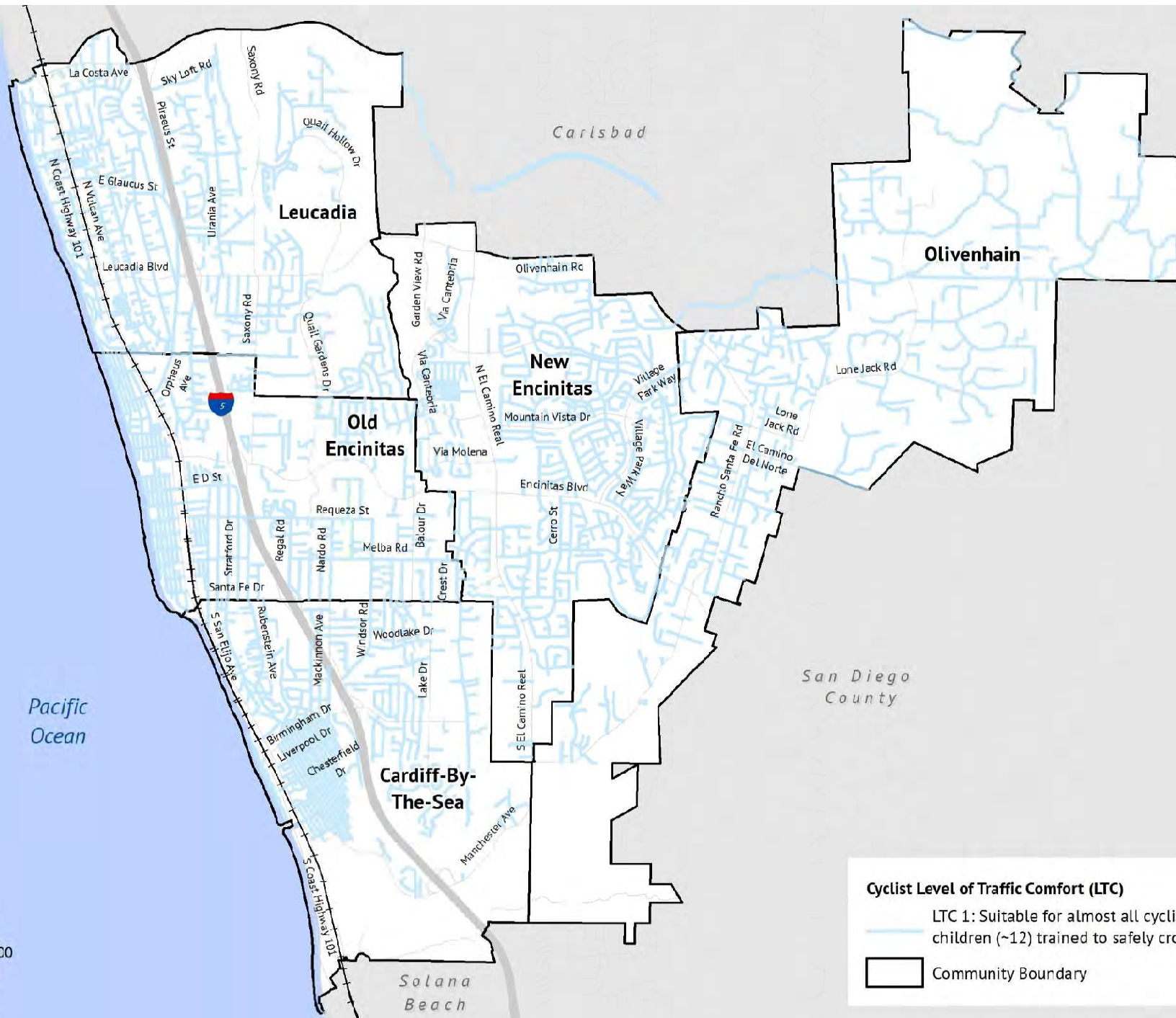
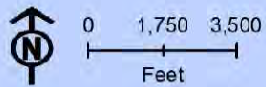
Segments with ADT Values		Lanes		
ADT	Speed	2 - 3	4 - 5	6+
2,500 - 8,000	<= 25	1	1	2
	30 - 35	2	2	3
	40 - 45	3	3	4
	> 45	4	4	4
8,000 - 25,000	<= 25	2	2	3
	30 - 35	3	3	4
	40 - 45	4	4	4
	> 45	4	4	4
> 25,000	<= 25	4	4	4
	30 - 35	4	4	4
	40 - 45	4	4	4
	> 45	4	4	4

Shared Roadways

Segments with ADT Values		Lanes		
ADT	Speed	2 - 3	4 - 5	6+
2,500 - 8,000	<= 25	1	2	3
	30 - 35	2	3	4
	40 - 45	3	4	4
	> 45	4	4	4
8,000 - 25,000	<= 25	2	3	4
	30 - 35	3	4	4
	40 - 45	4	4	4
	> 45	4	4	4
> 25,000	<= 25	4	4	4
	30 - 35	4	4	4
	40 - 45	4	4	4
	> 45	4	4	4

Segments without ADT Values		2 - 3	4 - 5	6+
Designated Local/Local	<= 25	1	1	2
	30 - 35	2	2	3
	40 - 45	3	3	4
	> 45	4	4	4
Collector	<= 25	2	2	3
	30 - 35	3	3	4
	40 - 45	4	4	4
	> 45	4	4	4
Prime/Major Arterial	<= 25	4	4	4
	30 - 35	4	4	4
	40 - 45	4	4	4
	> 45	4	4	4

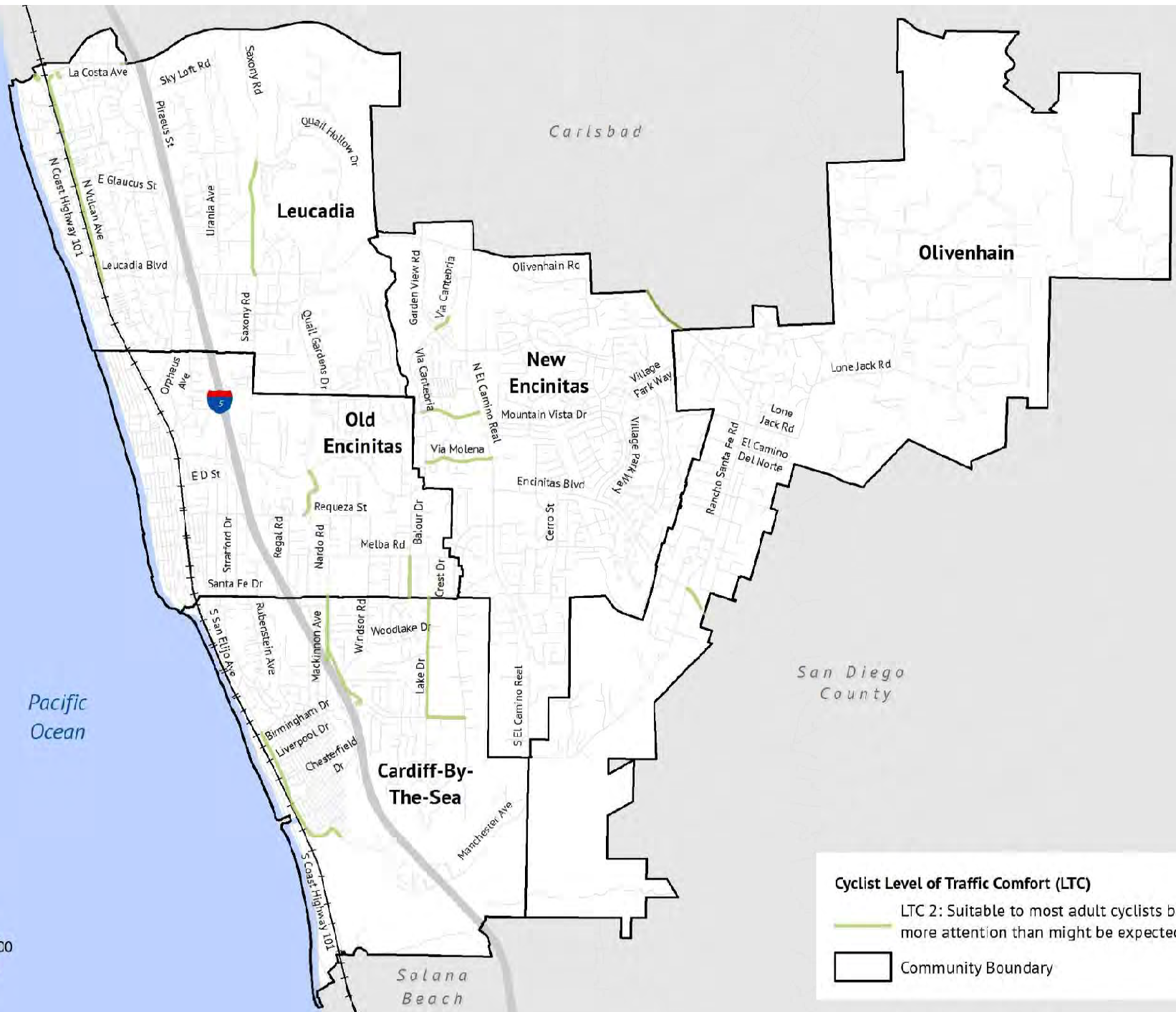
Segments without ADT Values		2 - 3	4 - 5	6+
Designated Local/Local	<= 25	1	2	3
	30 - 35	2	3	4
	40 - 45	3	4	4
	> 45	4	4	4
Collector	<= 25	2	3	4
	30 - 35	3	4	4
	40 - 45	4	4	4
	> 45	4	4	4
Prime/Major Arterial	<= 25	4	4	4
	30 - 35	4	4	4
	40 - 45	4	4	4
	> 45	4	4	4



Cyclist Level of Traffic Comfort (LTC)

LTC 1: Suitable for almost all cyclists including children (~12) trained to safely cross intersections.

Community Boundary



Cyclist Level of Traffic Comfort (LTC)

LTC 2: Suitable to most adult cyclists but demanding more attention than might be expected from children.

Community Boundary

Pacific Ocean

Carlsbad

Olivenhain

New Encinitas

Old Encinitas

Cardiff-By-The-Sea

San Diego County

Salana Beach

Leucadia

La Costa Ave

Sky Loft Rd

Saxony Rd

Pieratus St

E Glaucus St

Urania Ave

Quail Hollow Dr

N Coast Highway 101

N Wilbur Ave

Leucadia Blvd

Saxony Rd

Quail Capaden Dr

Garden View Rd

Via Carlsbad

Olivenhain Rd

Orpheus Ave



E D St

Old Encinitas

Via Carlsbad

Via Molena

N El Camino Real

Village Park Way

Mountain Vista Dr

Lone Jack Rd

Lone Rd

Rancho Santa Fe Rd

El Camino Del Norte

Encinitas Blvd

Cerro St

Santa Fe Dr

San Elijo Ave

Rubenstein Ave

Mackinnon Ave

Windsor Rd

Woodlake Dr

Lake Dr

SE El Camino Real

Stratford Dr

Regal Rd

Requeza St

Nardo Rd

Melba Rd

Balour Dr

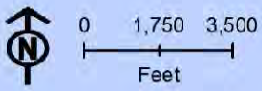
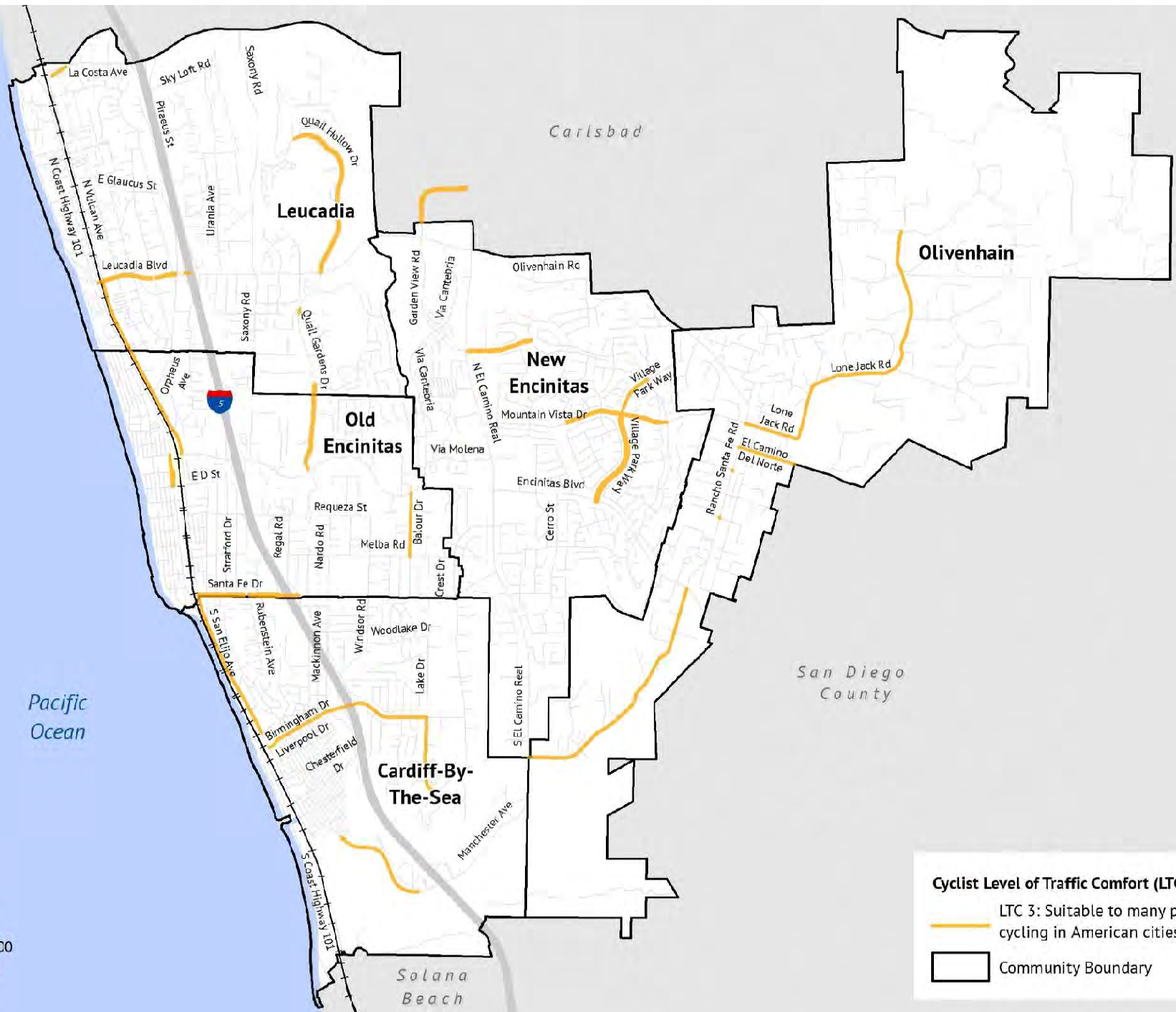
Crest Dr

Birmingham Dr

Liverpool Dr

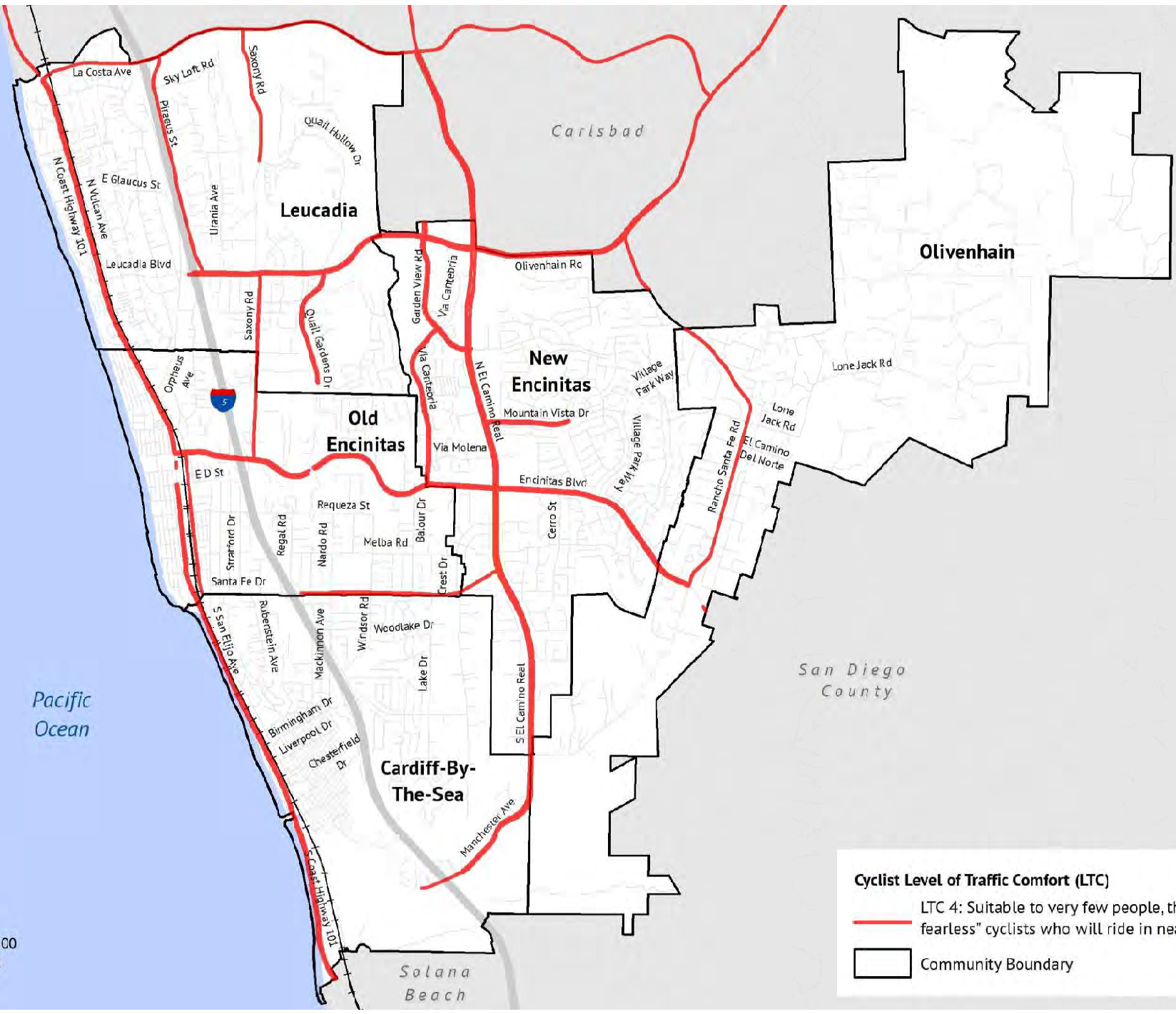
Chesterfield Dr

Manchester Ave



Cyclist Level of Traffic Comfort (LTC)

- LTC 3: Suitable to many people currently cycling in American cities.
- Community Boundary



Cyclist Level of Traffic Comfort (LTC)

- LTC 4: Suitable to very few people, the "strong and fearless" cyclists who will ride in nearly any setting.
- Community Boundary



Pacific Ocean

Carlsbad

Leucadia

Olivenhain

New Encinitas

Old Encinitas

Cardiff-By-The-Sea

San Diego County

Solana Beach

La Costa Ave

Sky Loft Rd

Saxony Rd

Quail Hollow Dr

E Glaucus Sr

Urania Ave

Leucadia Blvd

Saxony Rd

Olivenhain Rc

Quail Capodone Dr

Garden View Rd

Via Carpentia

Orpheus Ave

Mountain Vista Dr

Village Park Way

Lone Jack Rd

ED St

Via Molena

Encinitas Blvd

Village Park Way

Rancho Santa Fe Rd

El Camino Del Norte

Requeza St

Nardo Rd

Melba Rd

Balour Dr

Cerro St

Santa Fe Dr

Stratford Dr

Regal Rd

Windsor Rd

Crest Dr

San Elijo Ave

Rubenstein Ave

Mackinnon Ave

Woodlake Dr

Lake Dr

SE El Camino Real

Manchester Ave

Birmingham Dr

Liverpool Dr

Chesterfield Dr

San Diego County

SE El Camino Real

Manchester Ave

SE El Camino Real

Manchester Ave

N Coast Highway 101

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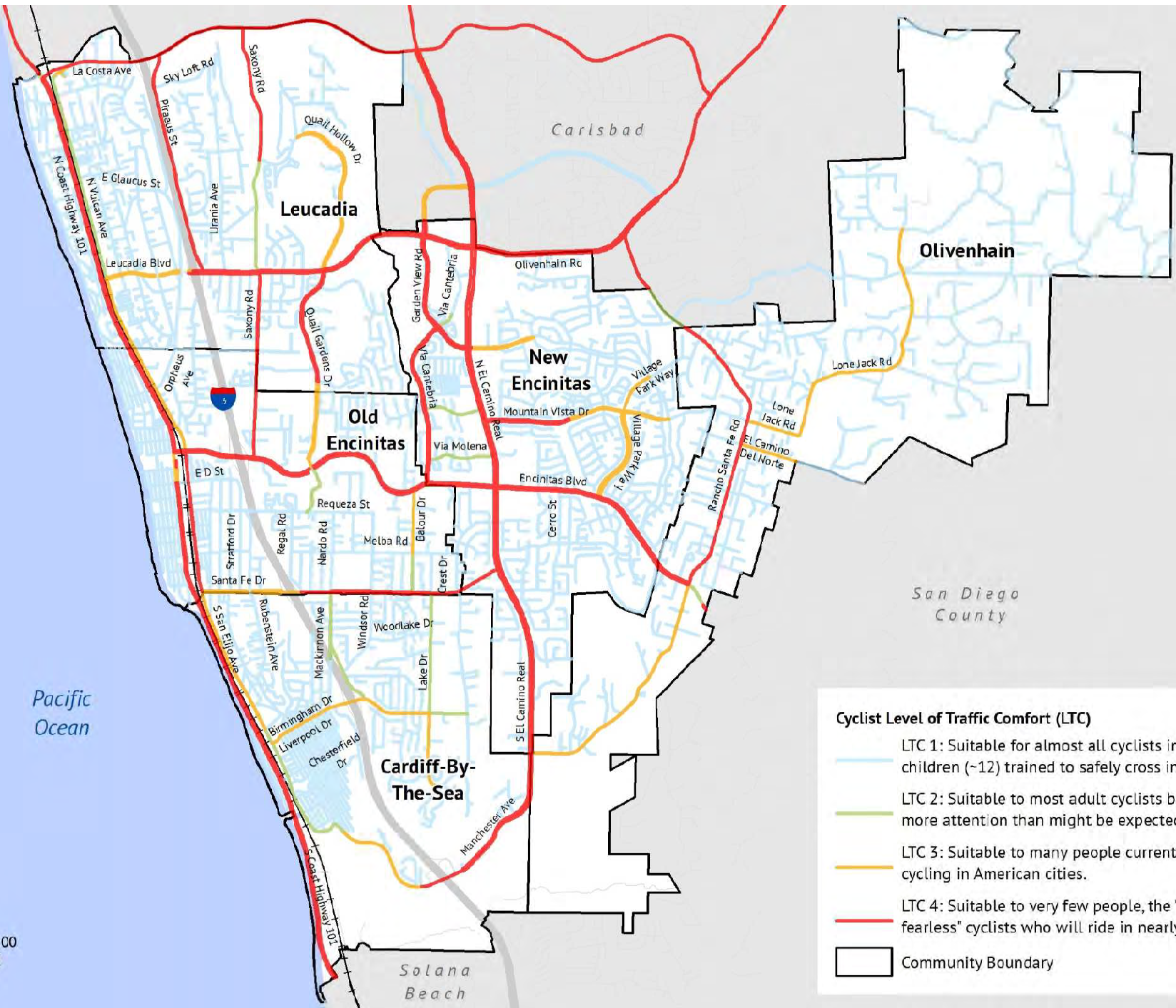
N Coast Highway 101

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N Coast Highway 101



Cyclist Level of Traffic Comfort (LTC)

- LTC 1: Suitable for almost all cyclists including children (~12) trained to safely cross intersections.
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- LTC 3: Suitable to many people currently cycling in American cities.
- LTC 4: Suitable to very few people, the "strong and fearless" cyclists who will ride in nearly any setting.
- Community Boundary



Pedestrian Level of Traffic Comfort (LTC)

Without Sidewalks

Speed Limit	Number of Lanes			
	2	3 (2+1)	4-5 (4+1)	6+
< 25	2	2	3	4
30	2	3	4	4
> 35	4	4	4	4

Walkways Without Road Separation

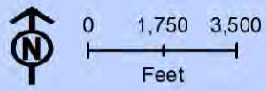
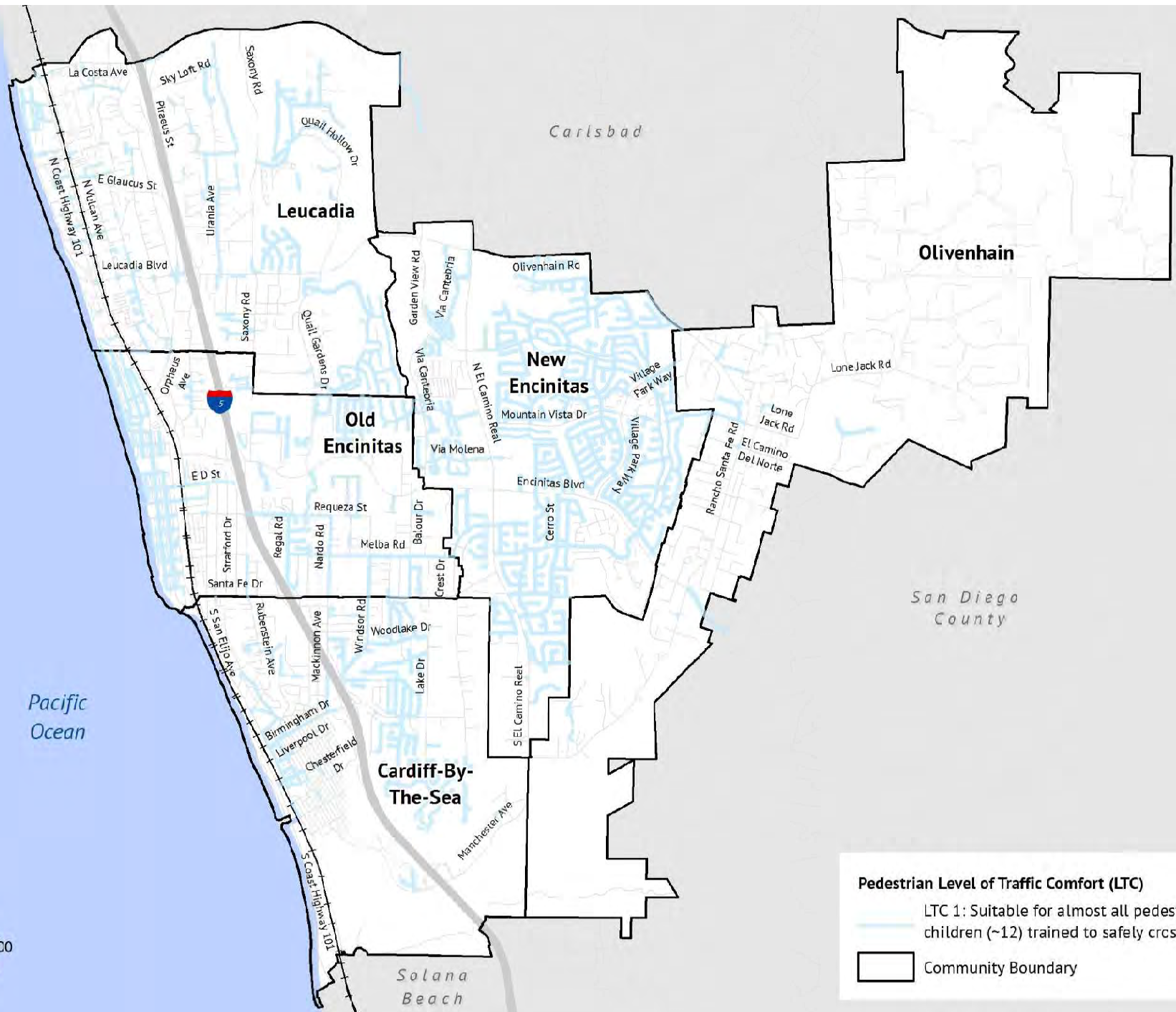
Speed Limit	Number of Lanes		
	2	3	4+
< 25	1	1	2
30	1	2	2
35	2	3	3
> 40	3	3	4

Walkways with One Separation (on-street parking, bike lanes or planting buffer)

Speed Limit	Number of Lanes	
	2	3+
< 25	1	2
30	1	2
35	2	3
> 40	3	3

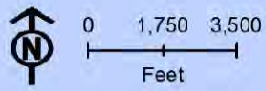
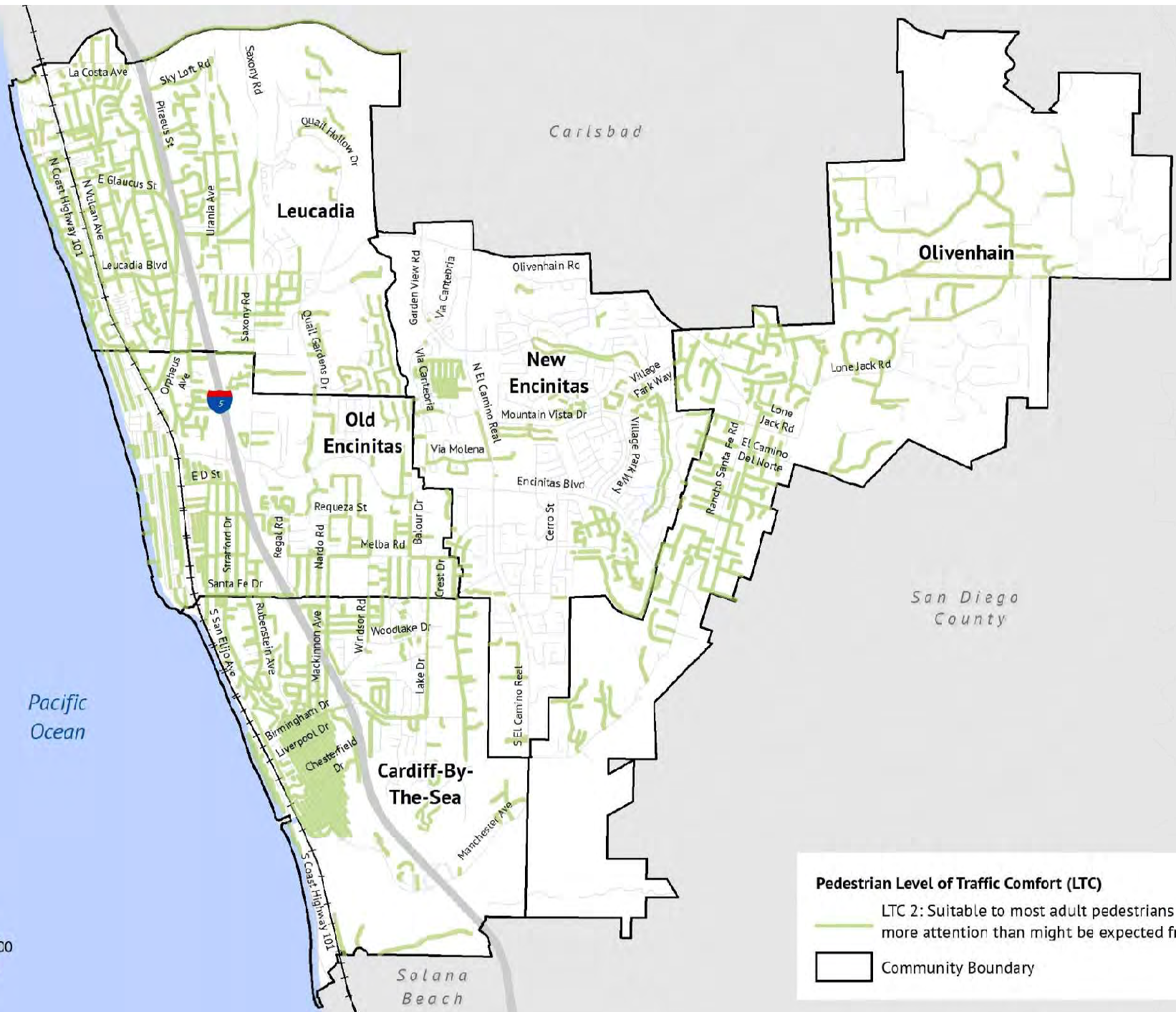
Walkways with Multiple Separations (on-street parking, bike lanes or planting buffer)

Speed Limit	Number of Lanes	
	2	3+
< 25	1	2
30	1	2
35	2	3
> 40	3	3



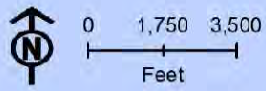
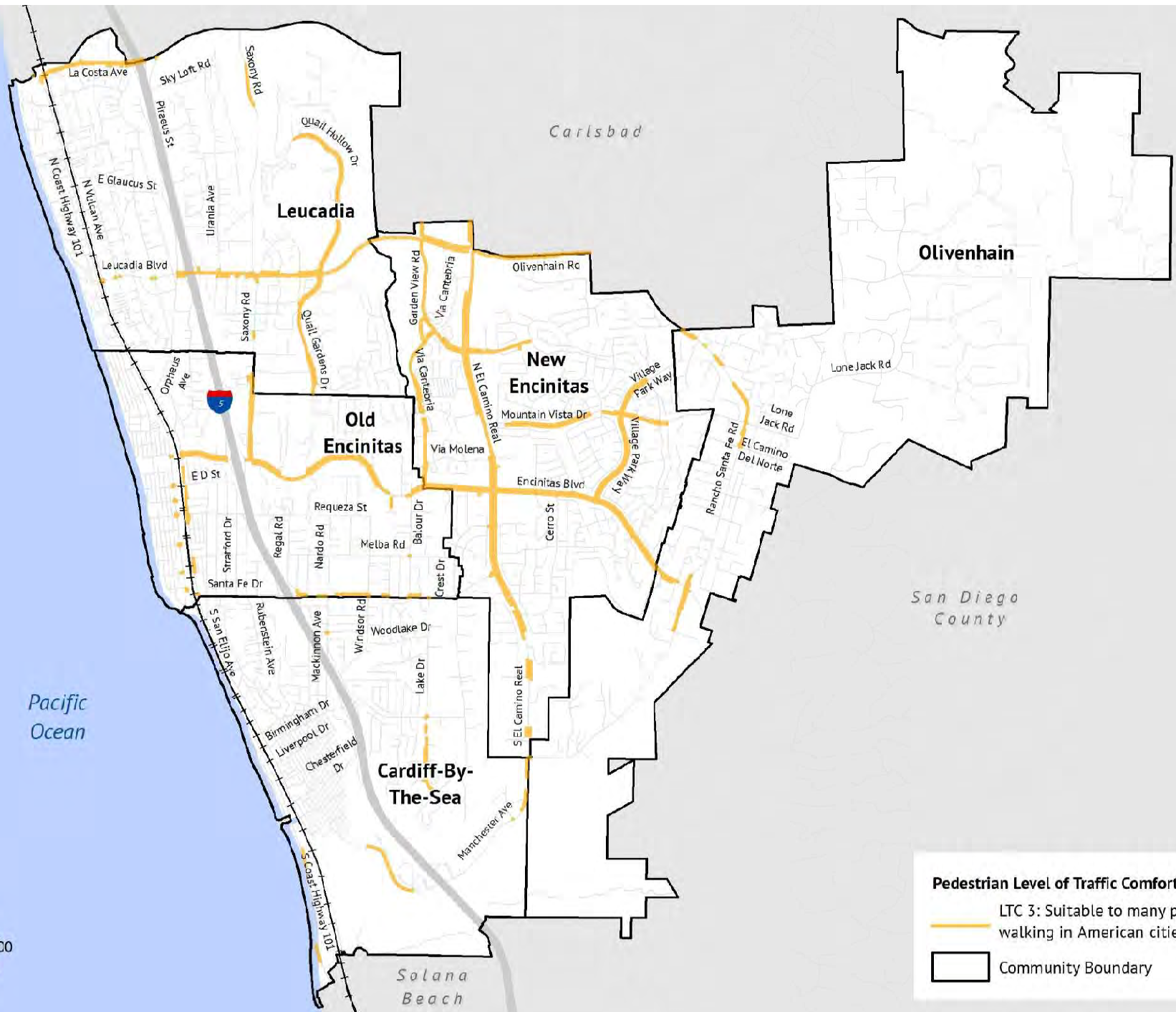
Pedestrian Level of Traffic Comfort (LTC)

- LTC 1: Suitable for almost all pedestrians including children (~12) trained to safely cross intersections.
- Community Boundary



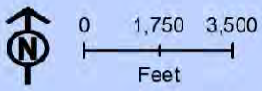
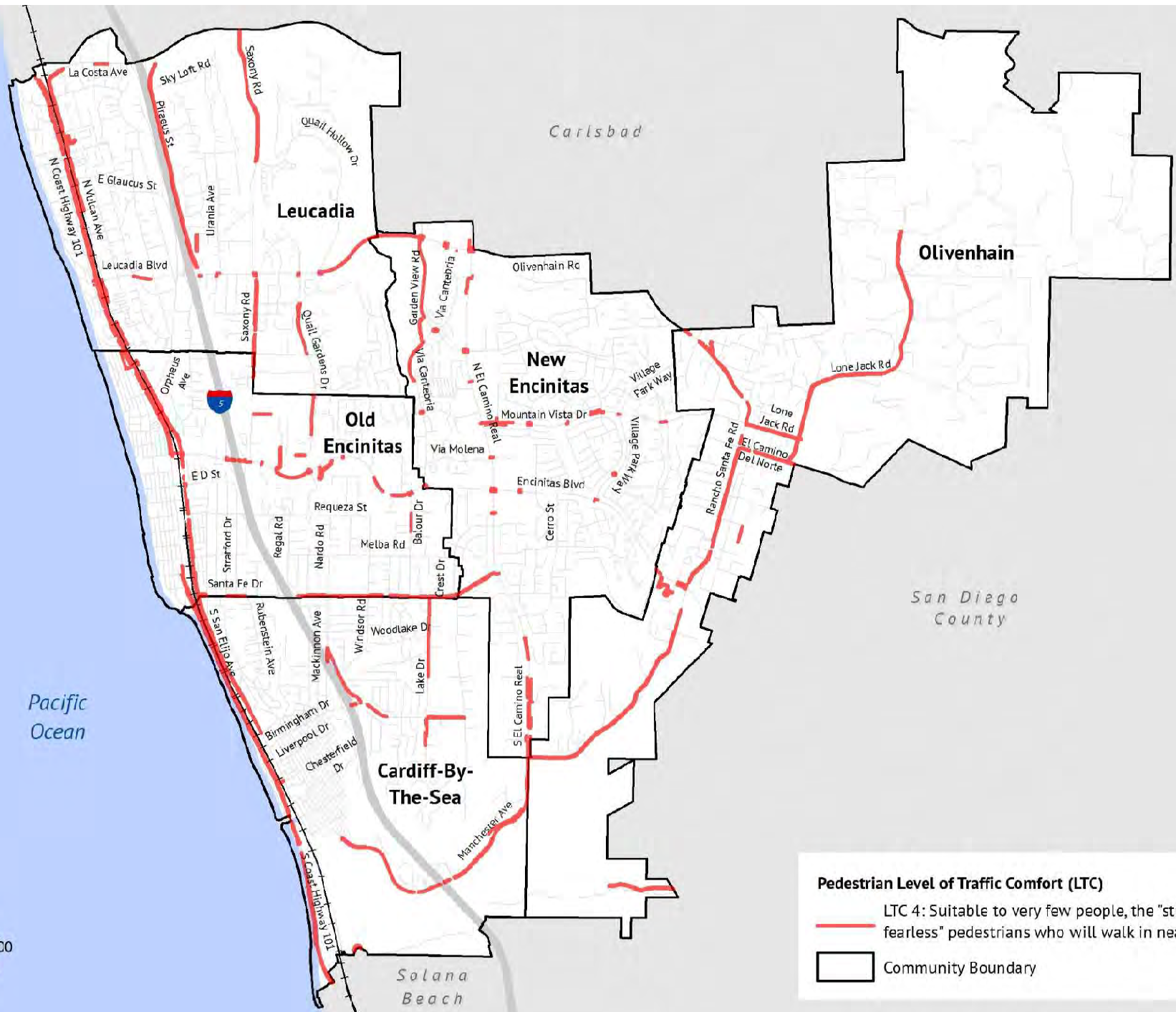
Pedestrian Level of Traffic Comfort (LTC)

- LTC 2: Suitable to most adult pedestrians but demanding more attention than might be expected from children.
- Community Boundary



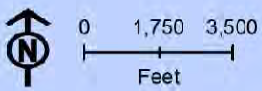
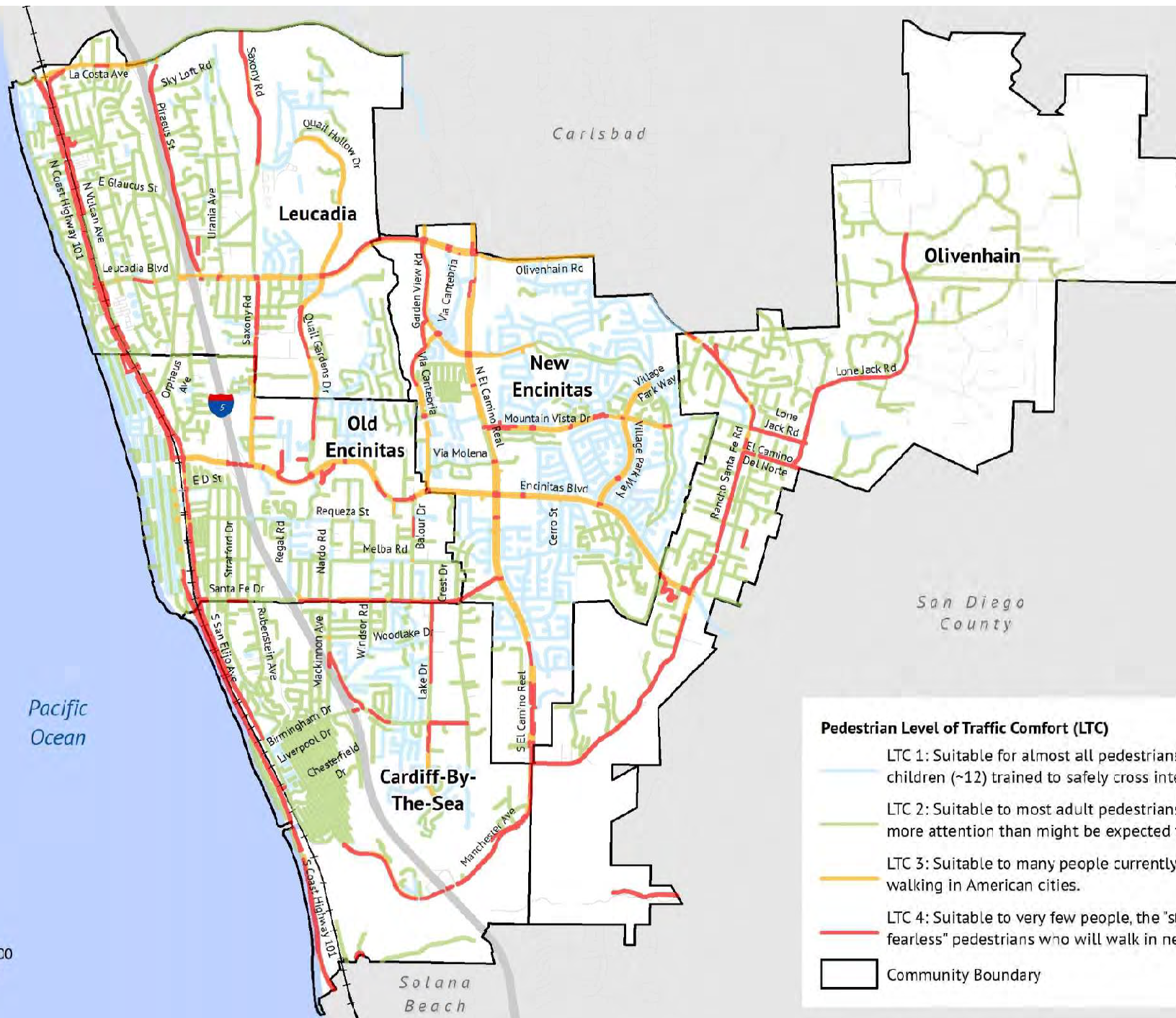
Pedestrian Level of Traffic Comfort (LTC)

- LTC 3: Suitable to many people currently walking in American cities.
- Community Boundary



Pedestrian Level of Traffic Comfort (LTC)

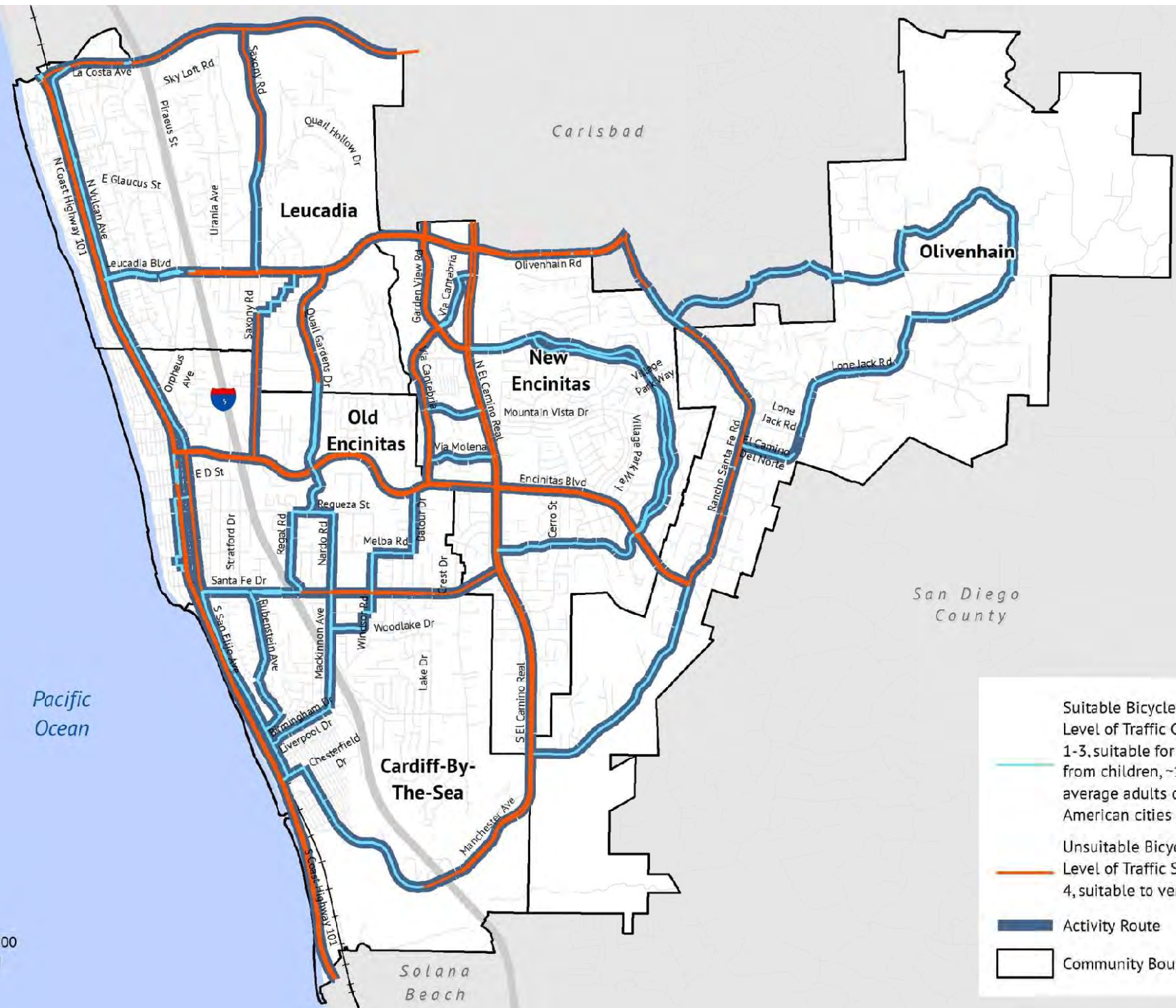
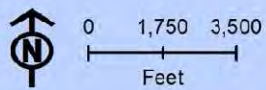
- LTC 4: Suitable to very few people, the "strong and fearless" pedestrians who will walk in nearly any setting.
- Community Boundary



Pedestrian Level of Traffic Comfort (LTC)

- LTC 1: Suitable for almost all pedestrians including children (~12) trained to safely cross intersections.
- LTC 2: Suitable to most adult pedestrians but demanding more attention than might be expected from children.
- LTC 3: Suitable to many people currently walking in American cities.
- LTC 4: Suitable to very few people, the "strong and fearless" pedestrians who will walk in nearly any setting.

Community Boundary

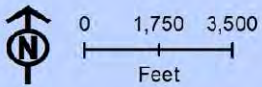
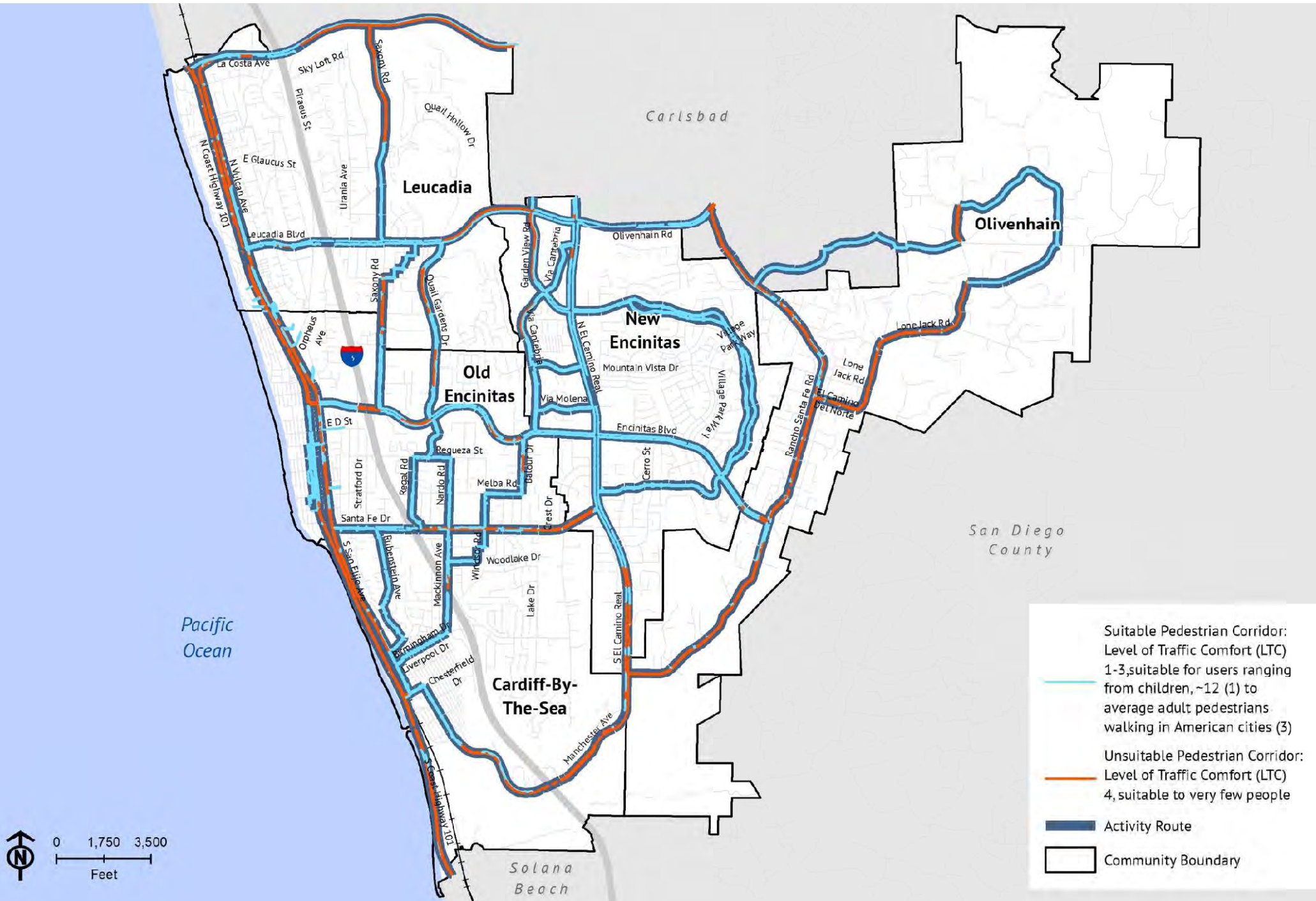


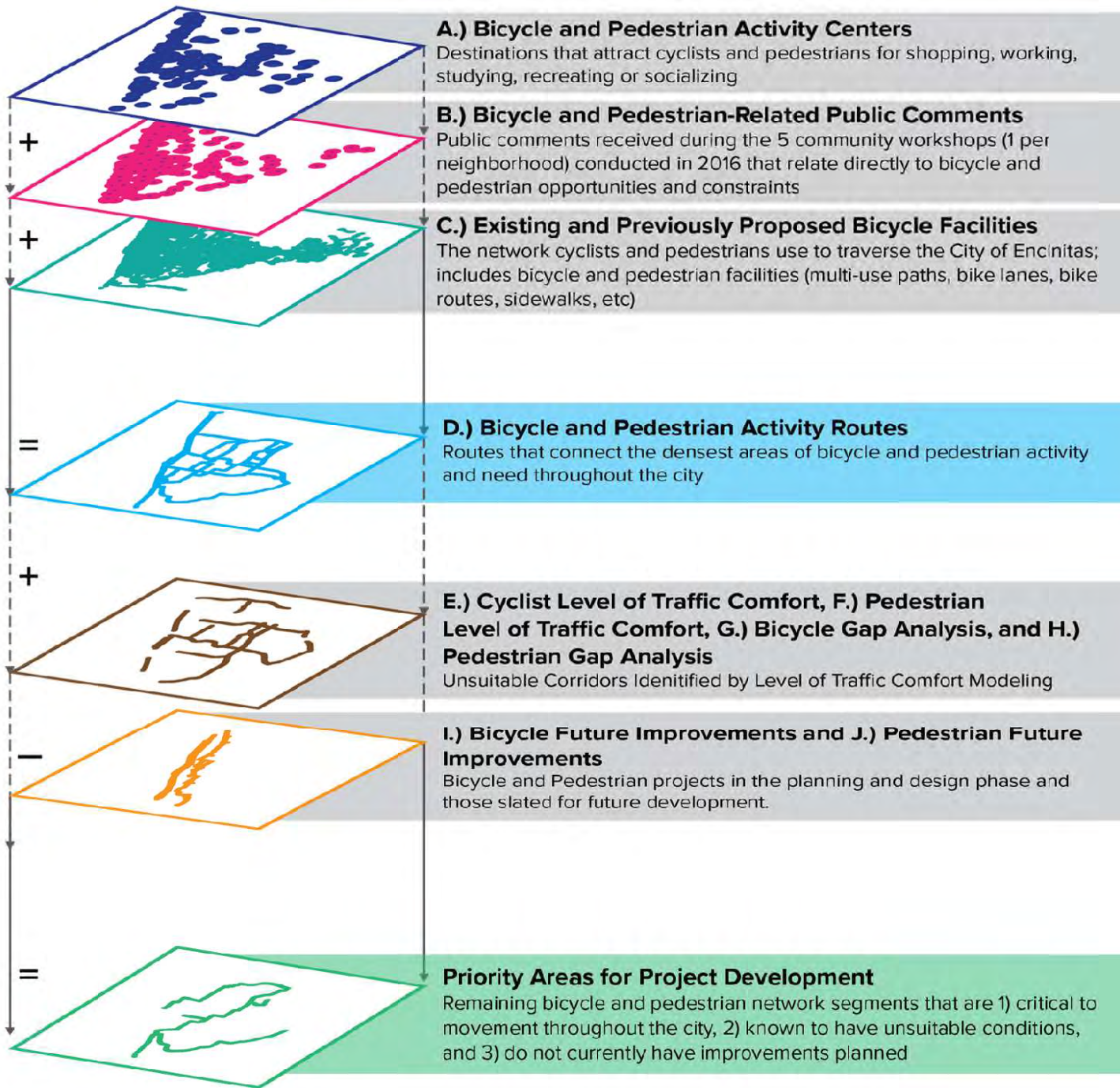
Suitable Bicycle Corridor:
 Level of Traffic Comfort (LTC)
 1-3, suitable for users ranging from children, ~12 (1) to average adults cyclists riding in American cities (3)

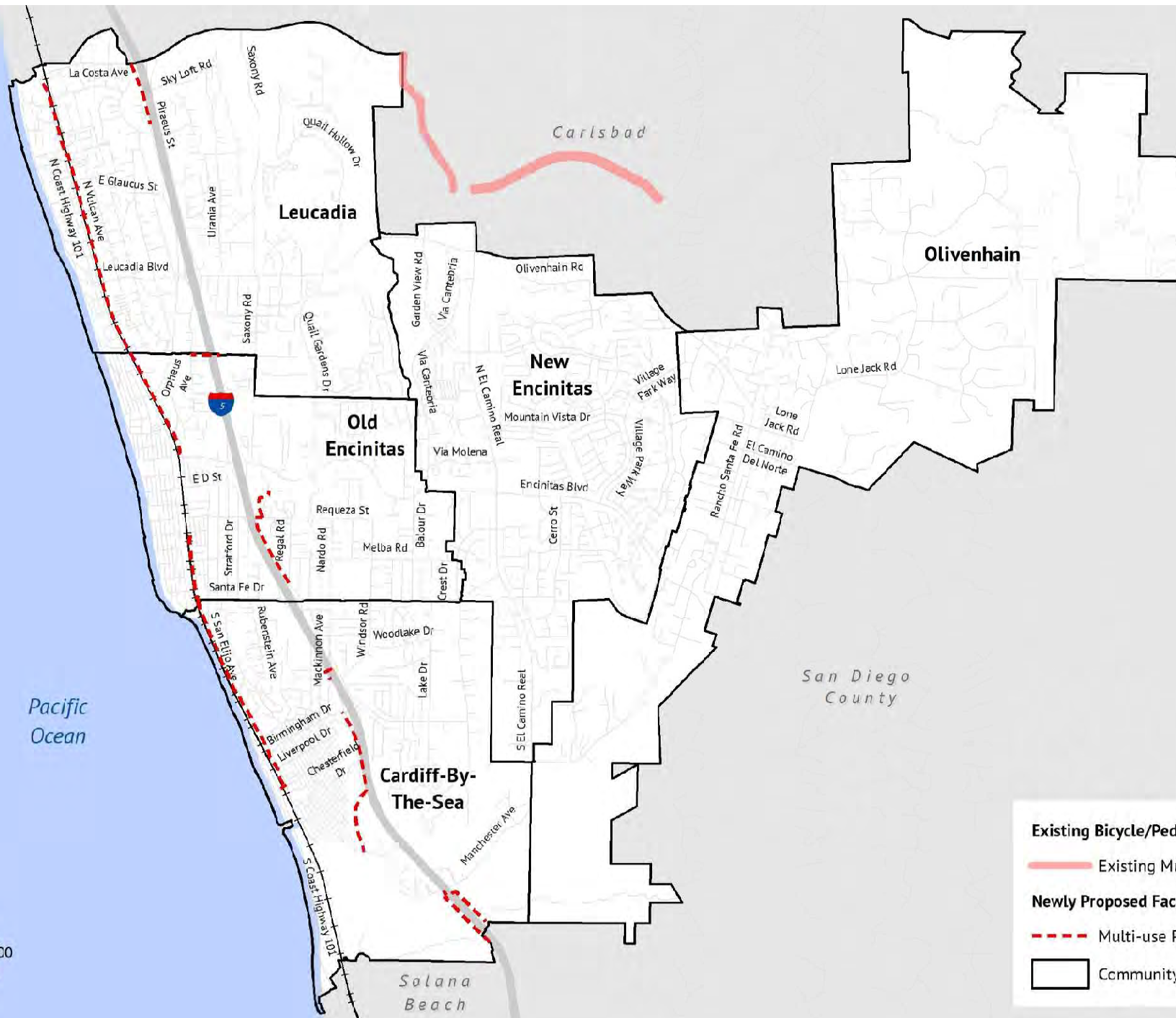
Unsuitable Bicycle Corridor:
 Level of Traffic Stress (LTC)
 4, suitable to very few people

Activity Route

Community Boundary





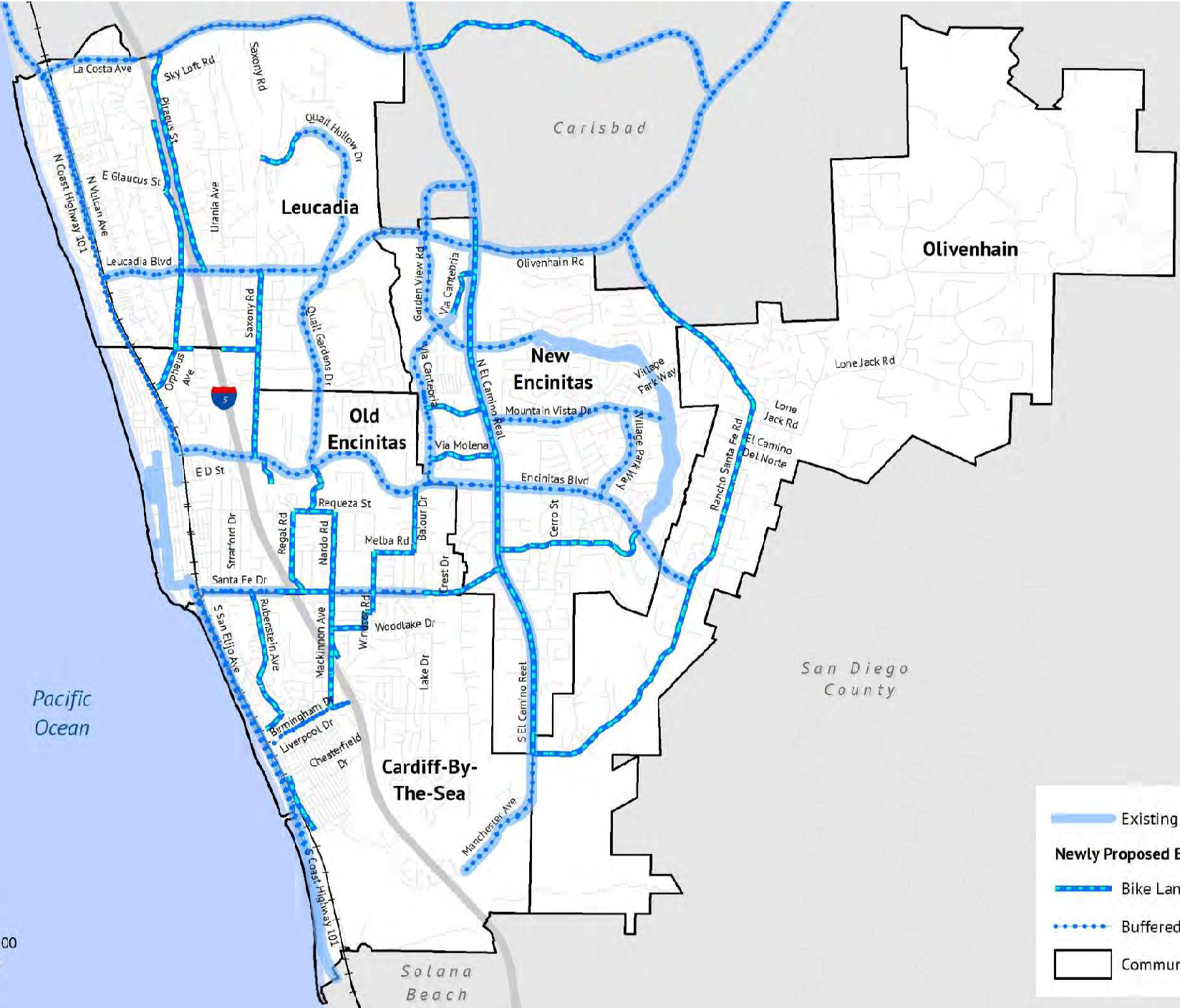


Existing Bicycle/Pedestrian Facilities

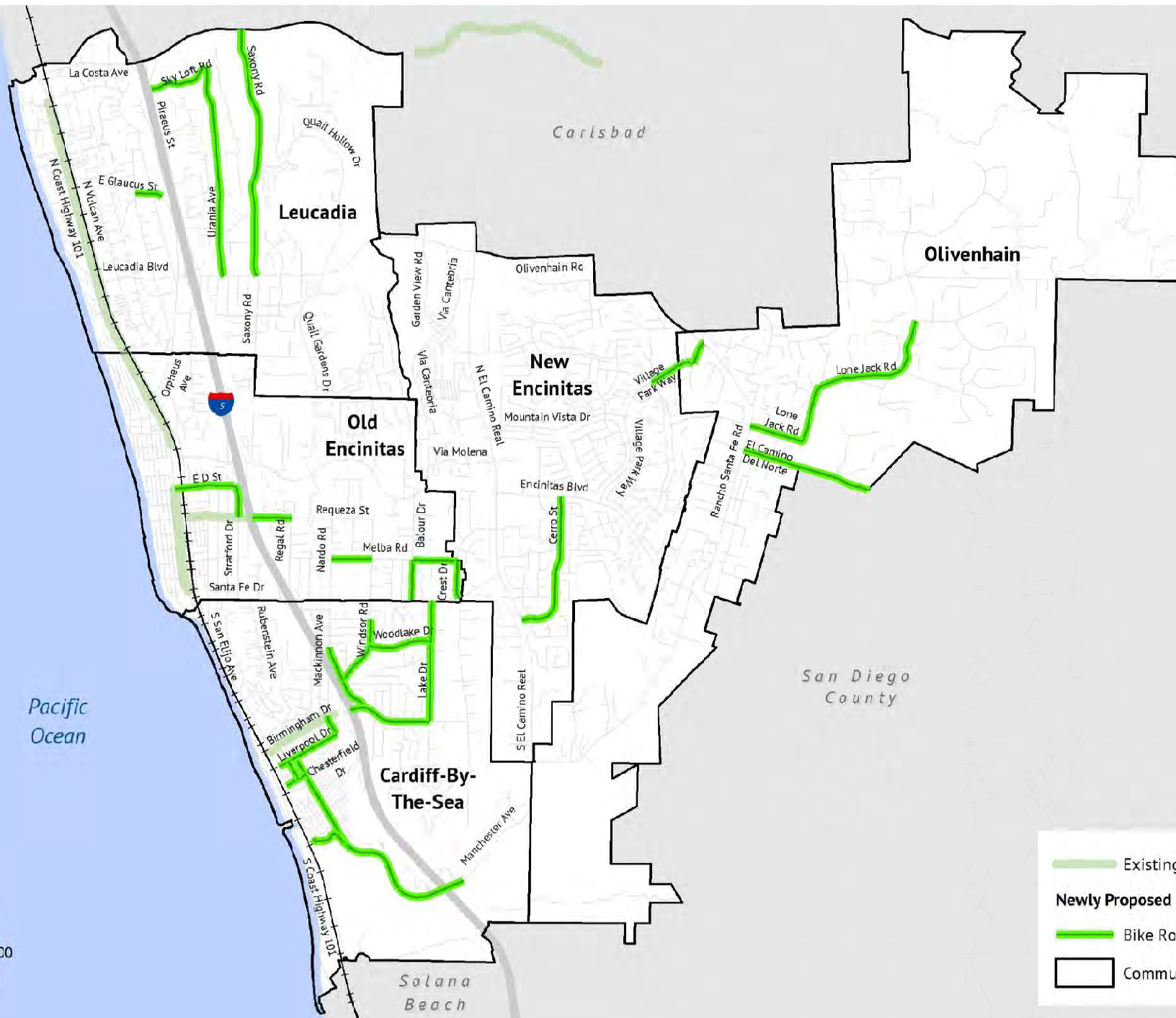
- Existing Multi-use Path

Newly Proposed Facilities

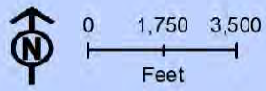
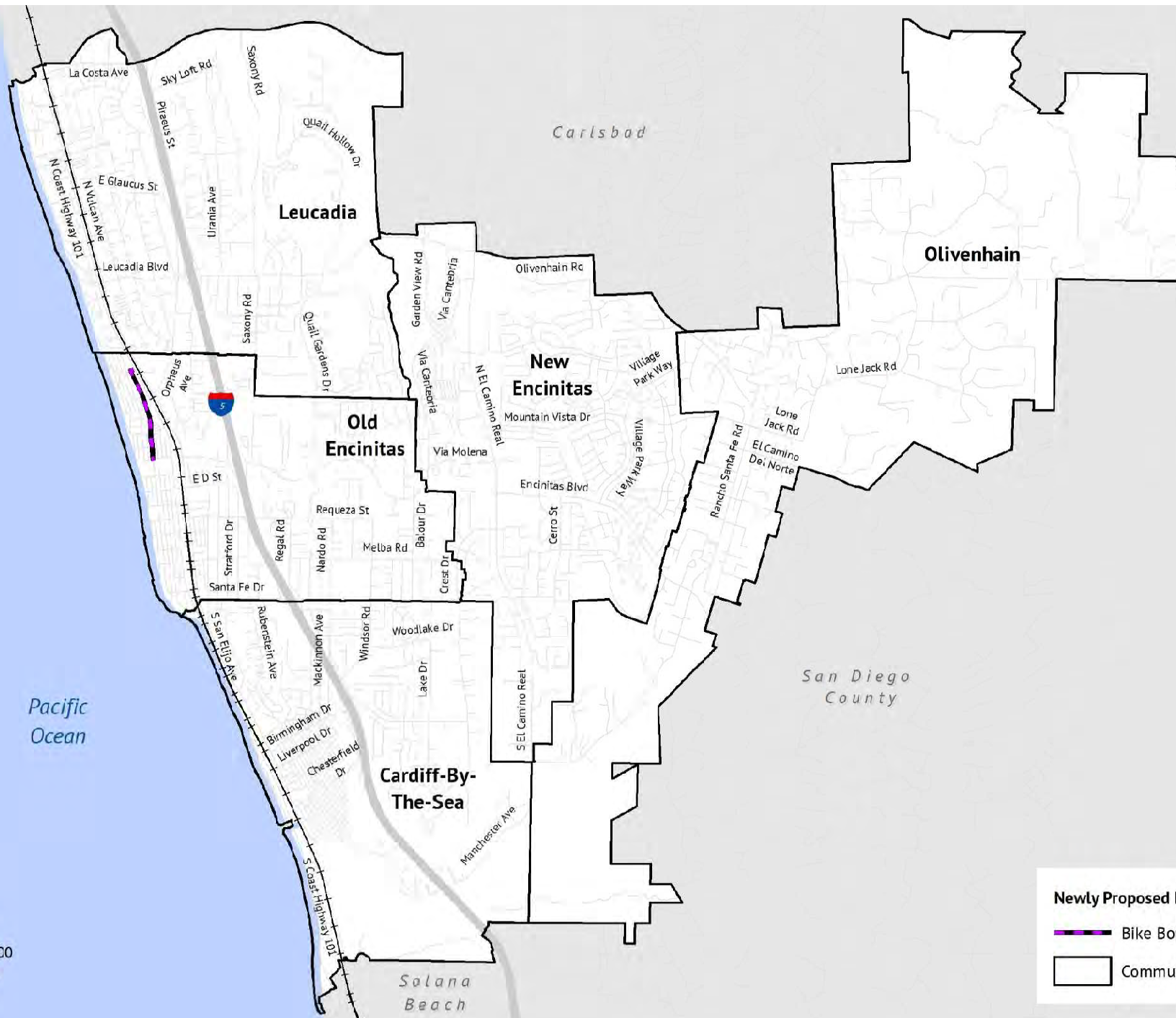
- Multi-use Path
- Community Boundary





- Existing Bike Lane
- Newly Proposed Bicycle Facilities**
- Bike Lane
- Buffered Bike Lane
- Community Boundary

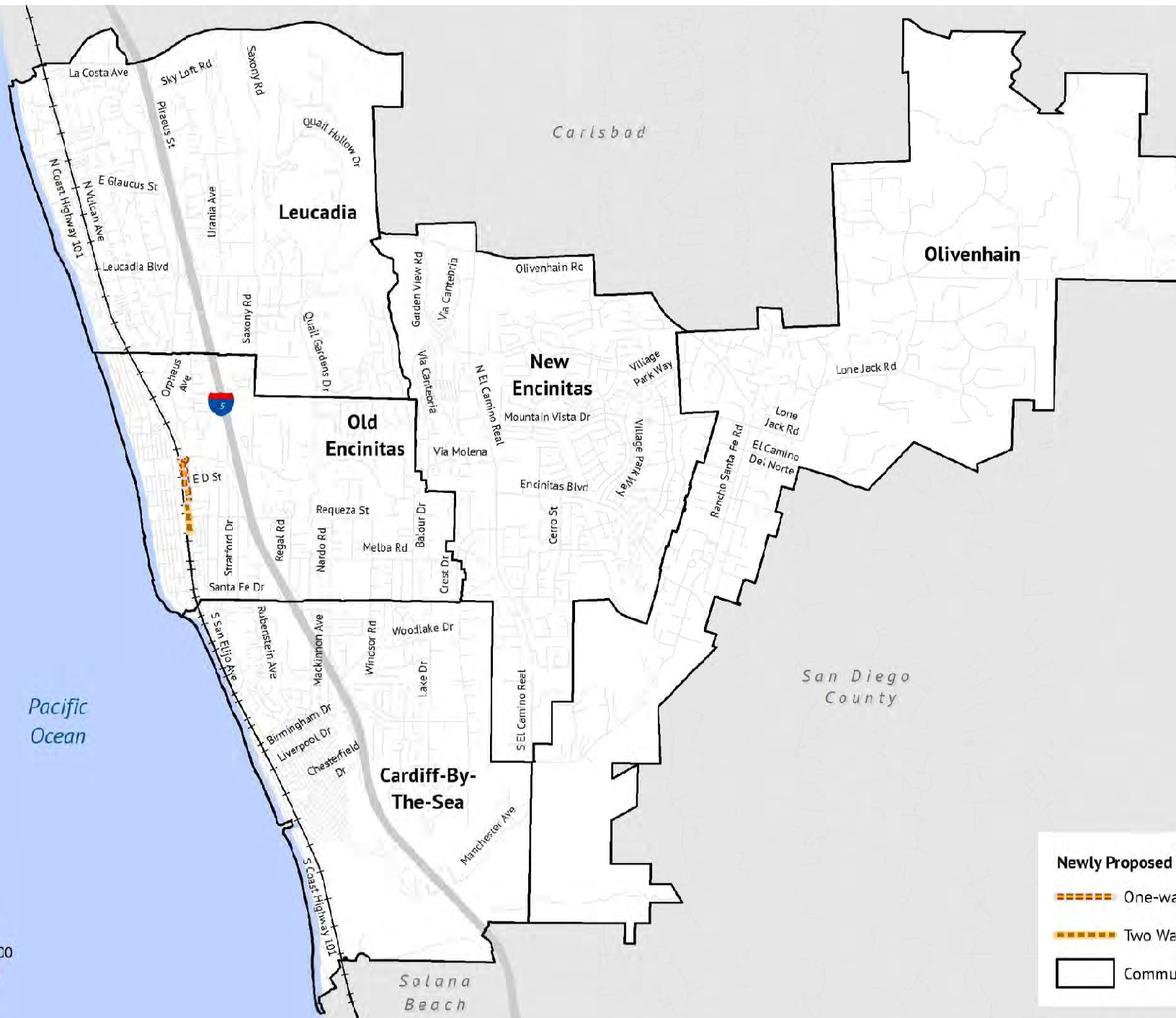


— Existing Bike Route
Newly Proposed Bicycle Facilities
— Bike Route
 Community Boundary






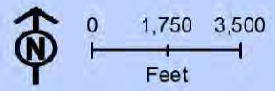
Newly Proposed Bicycle Facilities

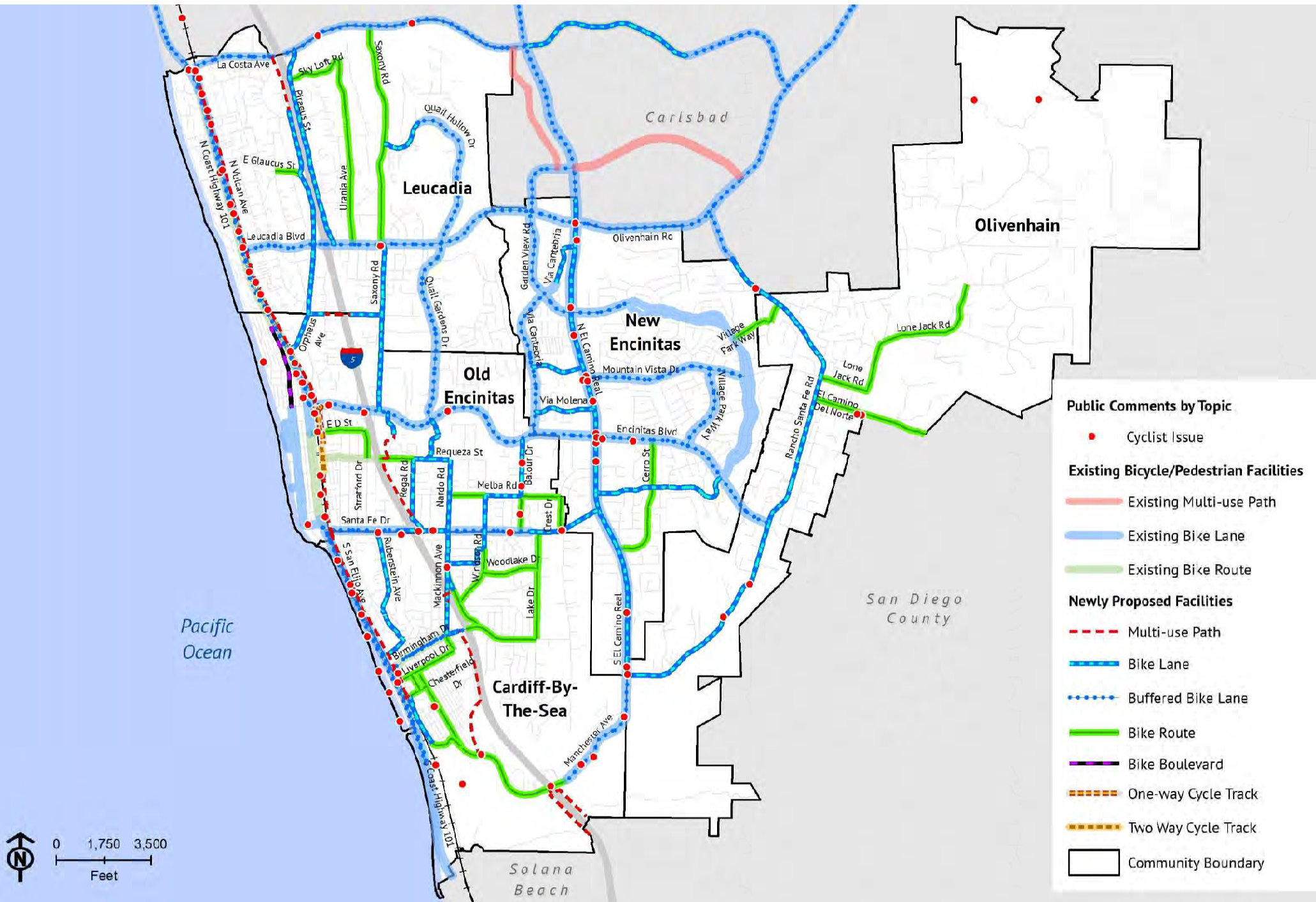
-  Bike Boulevard
-  Community Boundary

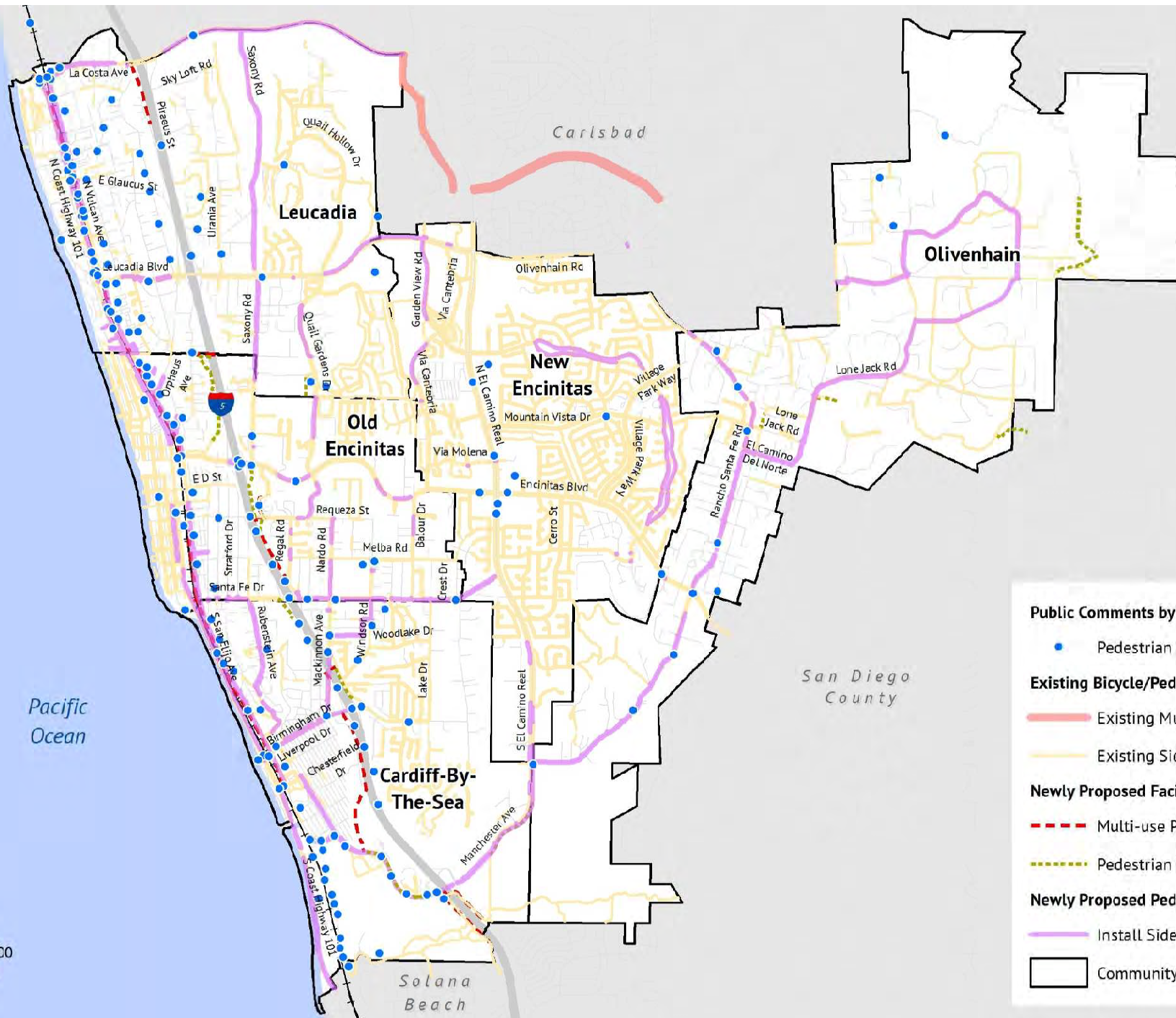
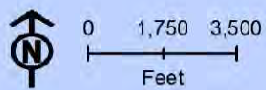


Newly Proposed Bicycle Facilities

-  One-way Cycle Track
-  Two Way Cycle Track
-  Community Boundary







Public Comments by Topic

- Pedestrian Issues

Existing Bicycle/Pedestrian Facilities

- Existing Multi-use Path
- Existing Sidewalk/Trail

Newly Proposed Facilities

- - - Multi-use Path
- ... Pedestrian Trail

Newly Proposed Pedestrian Facilities

- Install Sidewalk

□ Community Boundary

Corridor Specific Recommendations



Proposed Class 1: Multi-use Paths

Proposed Class 4: 1-way Cycle Tracks

Proposed Class 4: 2-way Cycle Tracks

Existing Class 2: Bike Lanes

Proposed Class 2: Bike Lanes

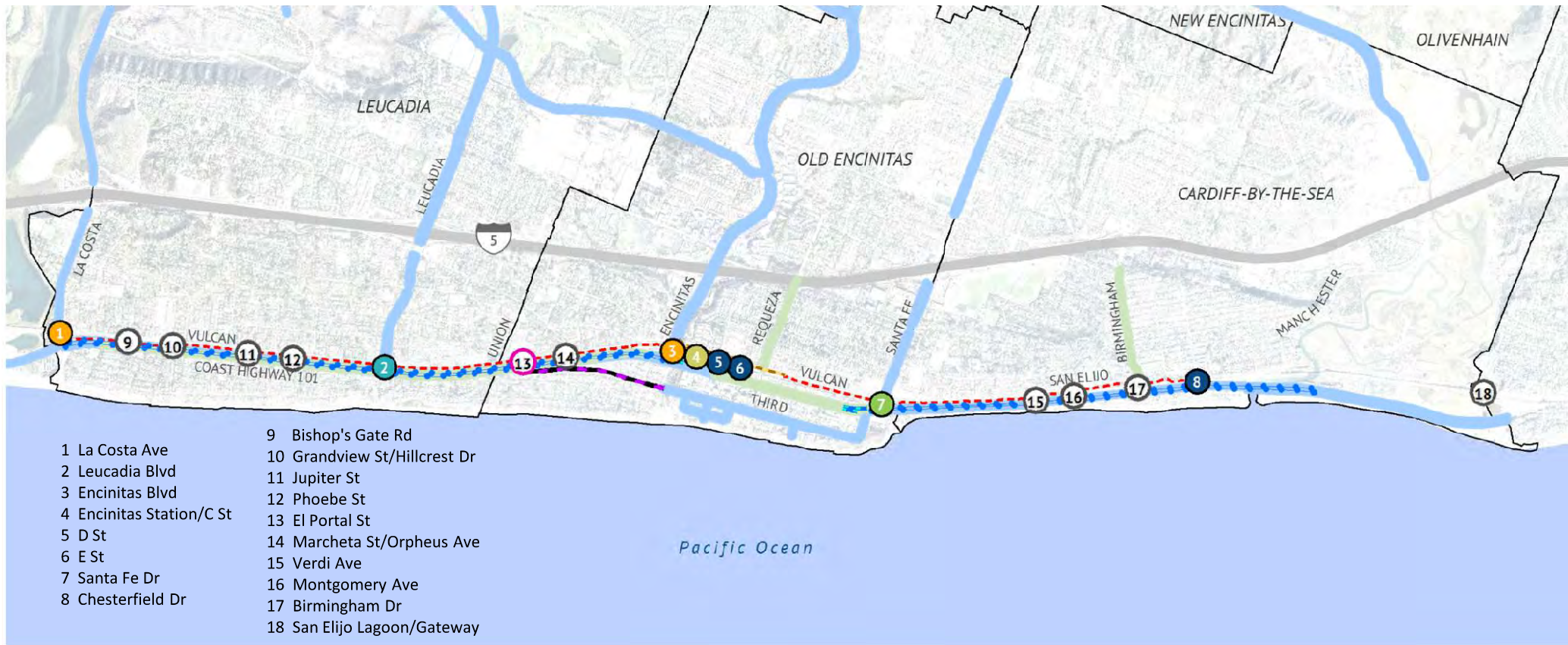
Proposed Class 2: Buffered Bike Lanes

Existing Class 3: Bike Routes

Proposed Class 3: Bike Blvd.

Existing Crossings New Crossings

Corridor Specific Recommendations



Proposed Class 1: Multi-use Paths

Proposed Class 4: 1-way Cycle Tracks

Proposed Class 4: 2-way Cycle Tracks

Existing Class 2: Bike Lanes

Proposed Class 2: Bike Lanes

Proposed Class 2: Buffered Bike Lanes

Existing Class 3: Bike Routes

Proposed Class 3: Bike Blvd.

Existing Crossings New Crossings

Corridor Specific Recommendations

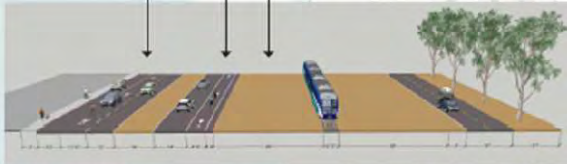
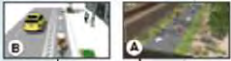
#1 INSTRUCTIONS

Please discuss the existing conditions and review the proposed treatments. Please refer to the street toolbox for alternative treatments.

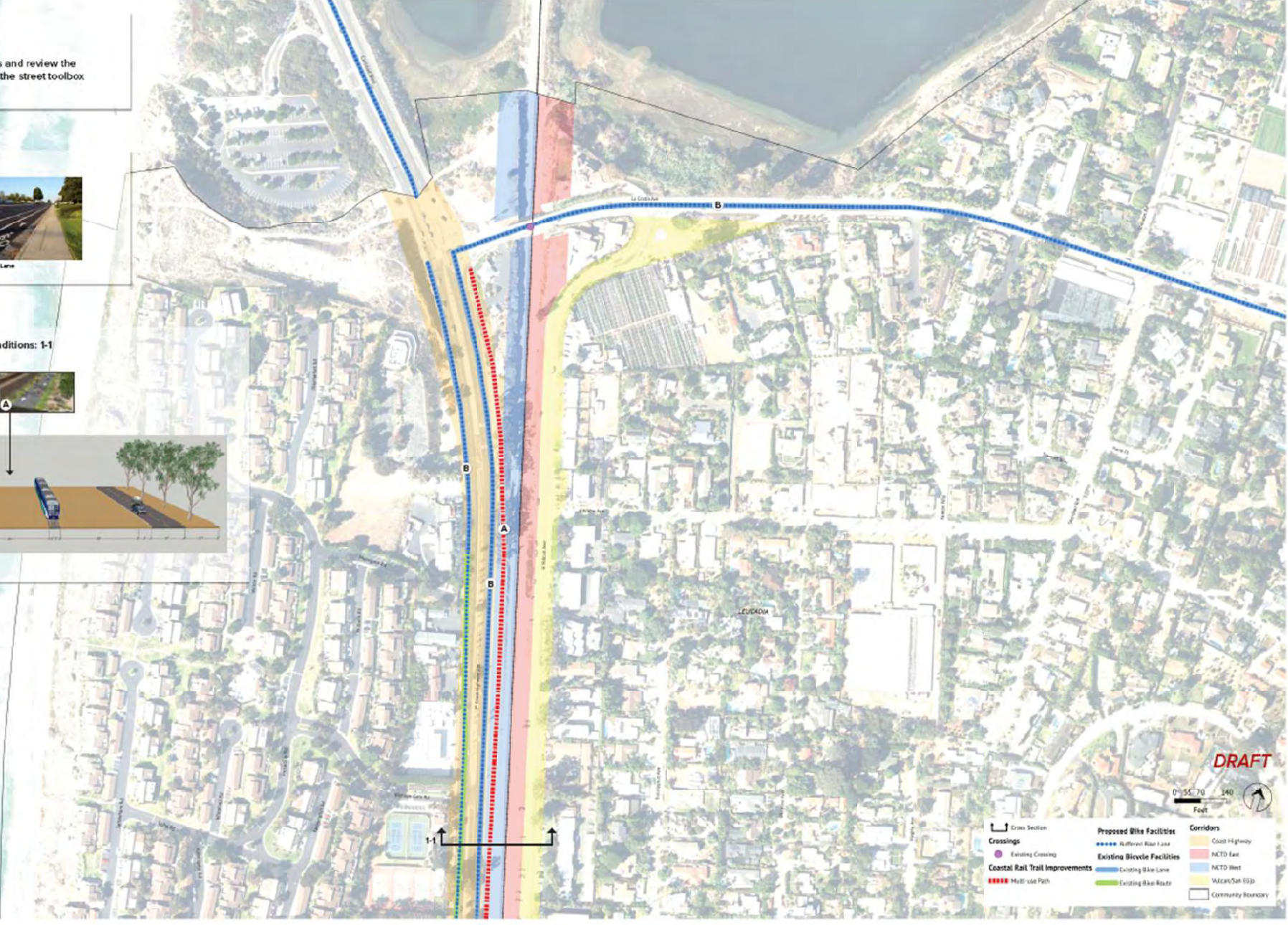
Potential Treatments



Potential Treatments for Existing Conditions: 1-1



Oblique Looking North



DRAFT



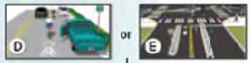
- Cross Section
- Crossings**
 - Existing Crossing
- Coastal Rail Trail Improvements**
 - Multi-Use Path
- Proposed Bike Facilities**
 - Buffered Bike Lane
- Existing Bicycle Facilities**
 - Existing Bike Lane
 - Existing Bike Route
- Corridors**
 - Coast Highway
 - NCTD East
 - NCTD West
 - MESA/SAN ESPD
 - Community Boundary

#2

INSTRUCTIONS

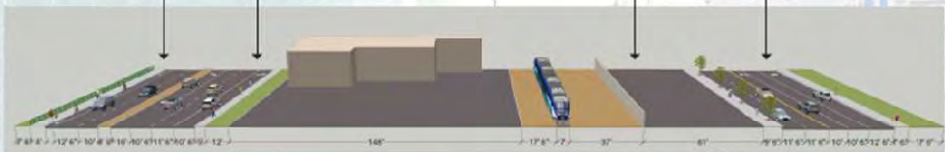
Please discuss the existing conditions and review the proposed treatments. Please refer to the street toolbox for alternative treatments.

Potential Treatments for Existing Conditions: 2-1

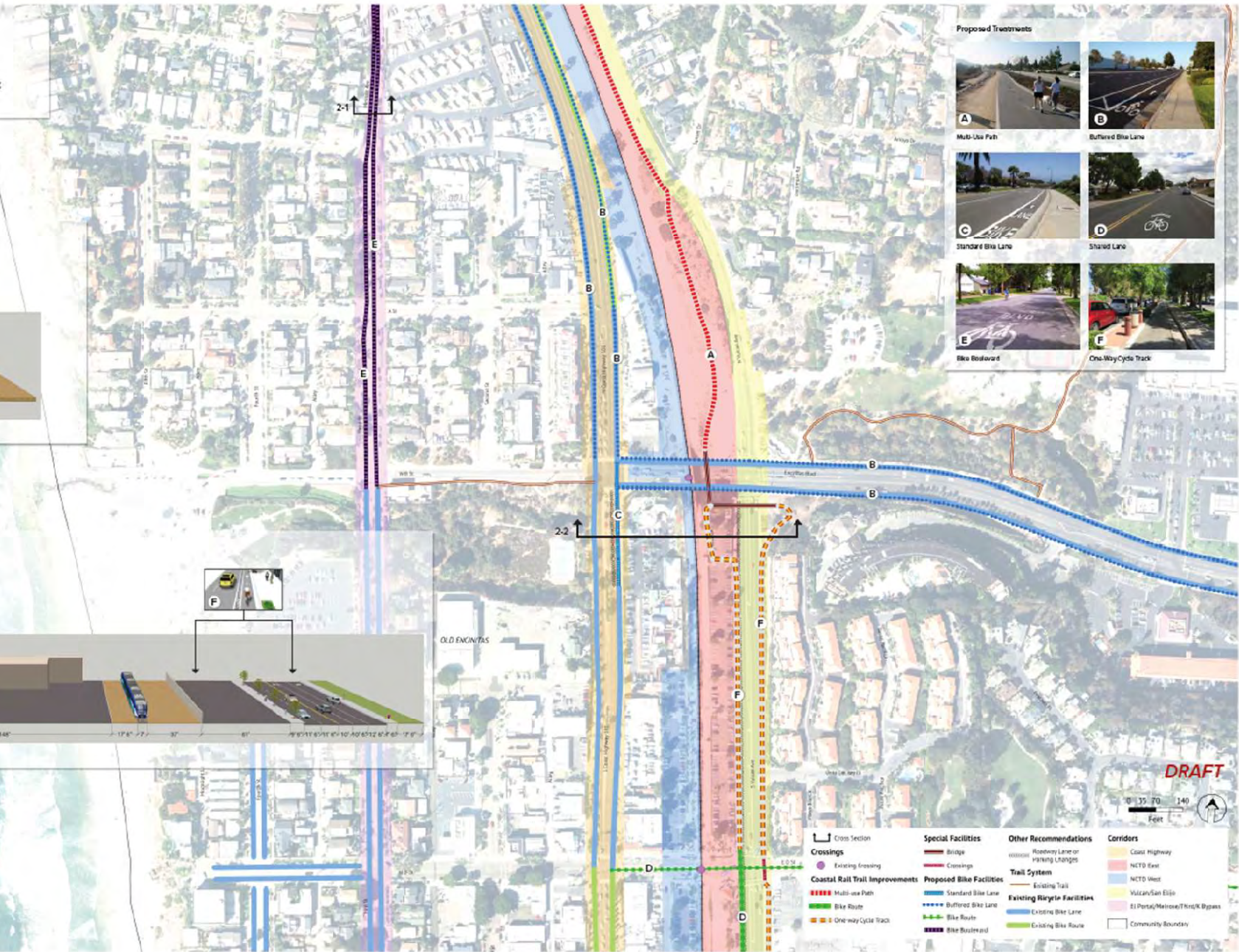


Oblique Looking North

Potential Treatments for Existing Conditions: 2-2



Oblique Looking North



Proposed Treatments



Cross Section	Special Facilities	Other Recommendations	Corridors
<ul style="list-style-type: none"> Bridge Crossings Existing Crossing 	Coastal Rail Trail Improvements <ul style="list-style-type: none"> Multi-use Path Bike Route One-way Cycle Track Bike Boulevard 	<ul style="list-style-type: none"> Roadway Lane or Parking Changes Existing Trail Existing Bicycle Facilities Existing Bike Lane Existing Bike Route 	<ul style="list-style-type: none"> Coast Highway NCTD East NCTD West Vulcan/San Elito El Portal/Melrose/Trenton/Bygones Community boundary

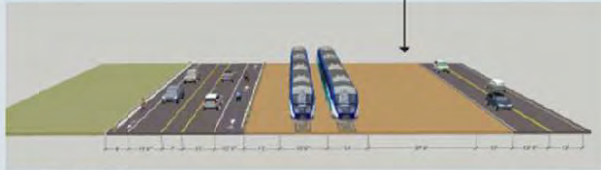
DRAFT



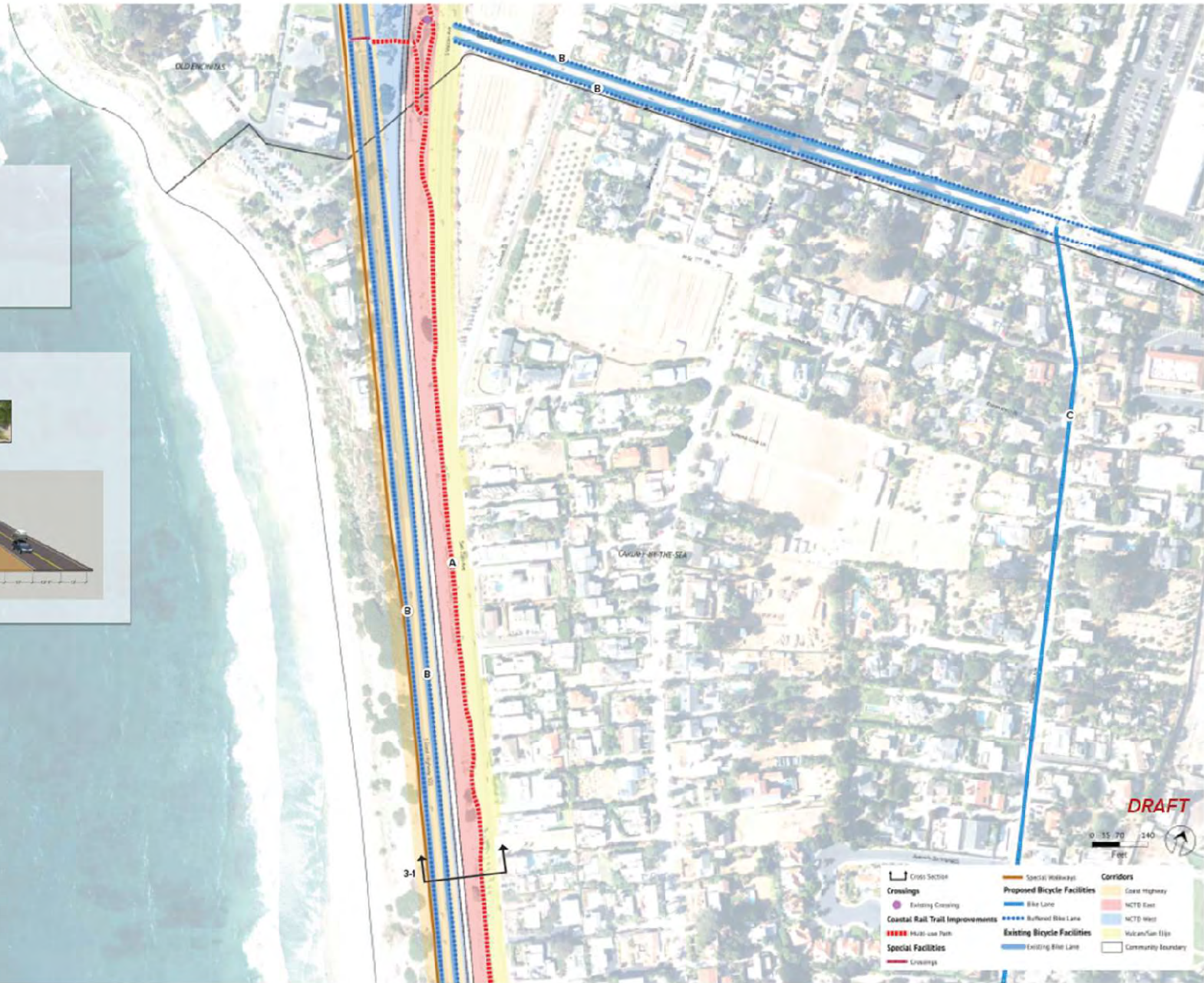
#3

INSTRUCTIONS

Please discuss the existing conditions and review the proposed treatments. Please refer to the street toolbox for alternative treatments.



Oblique Looking North



#4

INSTRUCTIONS

Please discuss the existing conditions and review the proposed treatments. Please refer to the street toolbox for alternative treatments.

Potential Treatments



A Multi-Use Path



B Buffered Bike Lane

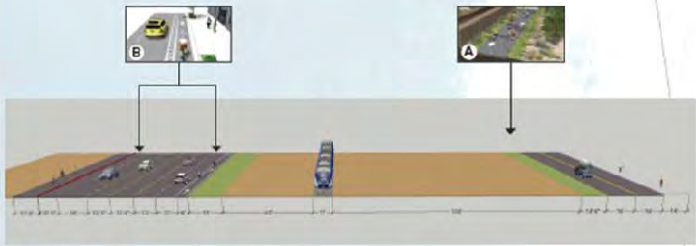


C Standard Bike Lane



D Shared Lane

Potential Treatments for Existing Conditions: 4-1



Oblique Looking North



Next Steps

1. Properly Fit Ideas into Roadways
2. Determine Lane Diet Requirements
3. Determine Road Diet Requirements
4. Determine Parking Impacts
5. Confirm Committee Citywide Ideas
6. Prepare ATP Draft Report
7. Present ATP Recommendations
 1. Citywide
 2. Corridor

