

Attachment 1: Mobility Boulevard Sheets

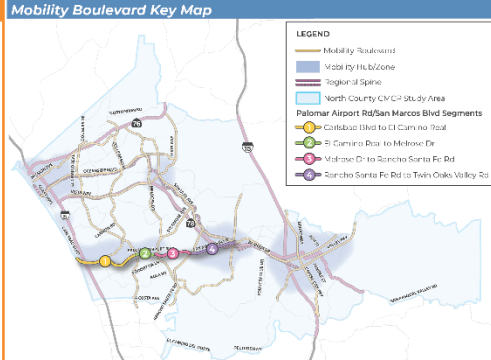
A Mobility Boulevard Sheet was developed for each of the 13 mobility boulevards identified in the North County study area. Each sheet provides a high-level overview of relevant projects from the project inventory and describes how the mobility boulevards interface with the nine strategy layers and other strategic anchors (i.e., mobility hub and regional spine). Below is an overview of the elements that can be found across the Mobility Boulevard Sheet.

Mobility Boulevard Sheet User Guide

STRATEGIC ANCHOR: MOBILITY BOULEVARD
North County

1 Palomar Airport Road/San Marcos Boulevard

2 Mobility Boulevard Key Map



5 Related North County CMCP Strategies

Proposed Strategies	Program/Project	Segment 1	Segment 2	Segment 3	Segment 4
SMART Arterials and Intersections	Flex Lanes	Both Directions (Peak Periods)			
	SMART Intersections	10	4	6	15
Active Transportation Network	Separation Facility	Class 1 (Planned)			
	Improved Pedestrian Crossings	0	3	3	9
High-Frequency Core, Rapid, and Commuter Services	Rapid	Next Gen 440 and Next Gen 450 (Frequency: 10 min) (Planned)			
	Commuter Express	Commuter between B Versico and North County subregion (Peak Period Frequency: 15 min)			
	Local Service/ New Service	Flex Services (up to 5 routes)			


6

7

3

Segment	Signals (#)	Length (Miles)
Segment 1: Carlsbad Blvd to El Camino Real	10	4.3
Segment 2: El Camino Real to Melrose Dr	4	1.3
Segment 3: Melrose Dr to Rancho Santa Fe Rd	6	2.2
Segment 4: Rancho Santa Fe Rd to Twin Oaks Valley Rd	15	2.9
Total	35	10.5

4



STRATEGIC ANCHOR

MOBILITY HUB	REGIONAL SPINE																																																											
<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th>Downside</th> <th>Carlsbad</th> <th>Palomar</th> <th>Vista</th> <th>San Marcos</th> <th>Escondido</th> <th>I-8</th> <th>SR 76</th> <th>SR 78</th> <th>I-15</th> <th>SPRINTER</th> <th>Transit Rail</th> </tr> <tr> <td>Segment 1</td> <td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td> </tr> <tr> <td>Segment 2</td> <td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td> </tr> <tr> <td>Segment 3</td> <td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td> </tr> <tr> <td>Segment 4</td> <td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td> </tr> </table>	Downside	Carlsbad	Palomar	Vista	San Marcos	Escondido	I-8	SR 76	SR 78	I-15	SPRINTER	Transit Rail	Segment 1	○	○	○	○	○	○	○	○	○	○	○	Segment 2	○	○	○	○	○	○	○	○	○	○	○	Segment 3	○	○	○	○	○	○	○	○	○	○	○	Segment 4	○	○	○	○	○	○	○	○	○	○	○
Downside	Carlsbad	Palomar	Vista	San Marcos	Escondido	I-8	SR 76	SR 78	I-15	SPRINTER	Transit Rail																																																	
Segment 1	○	○	○	○	○	○	○	○	○	○	○																																																	
Segment 2	○	○	○	○	○	○	○	○	○	○	○																																																	
Segment 3	○	○	○	○	○	○	○	○	○	○	○																																																	
Segment 4	○	○	○	○	○	○	○	○	○	○	○																																																	

 | Downside | Carlsbad | Palomar | Vista | San Marcos | Escondido | I-8 | SR 76 | SR 78 | I-15 | SPRINTER | Transit Rail | |-----------|----------|---------|-------|------------|-----------|-----|-------|-------|------|----------|--------------| | Segment 1 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | | Segment 2 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | | Segment 3 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | | Segment 4 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | |

8 Highlighted Projects and Programs

Program/Project	Description	Primary Strategy	Mobility Hub	Regional Spine	Segment 1	Segment 2	Segment 3	Segment 4
SMART Corridor	Smart Corridor - Palomar Airport Rd including smart intersections and flexible lanes	SMART	✓	○	✓	✓	✓	○
SMART Corridor	Smart Corridor - San Marcos Blvd including smart intersections and flexible lanes	SMART	✓	○	○	○	✓	✓
Smart Intersections	34 smart intersections, five (5) shared with other Mobility Boulevards	SMART	✓	○	○	○	○	○
Active Transportation	30 to be and/or pedestrian crossing improvements to increase active transportation safety	Active Transportation	✓	○	✓	✓	✓	✓
Active Transportation	Planned protected bike facility from Carlsbad Blvd to Twin Oaks Valley Rd	Active Transportation	✓	○	✓	✓	✓	✓
High-Speed Rail	High-Speed Rail track upgrades at San Marcos Blvd and El Mission Rd	High-Speed Rail	○	✓	○	○	○	✓
SPRINTER Improvements	Increase SPRINTER frequency to 10 min, use with proposed double tracking. Proposed station improvements at El Camino Real and San Marcos Blvd	SPRINTER	✓	✓	○	○	○	✓
Transit	Rapid 450 (Downside to Escondido via Palomar Airport Rd and SR 78 (light version of Rapid))	Transit	✓	○	✓	✓	✓	✓
Transit	Rapid 440 (Carlsbad to Escondido Transit, Center via Palomar Airport Rd)	Transit	✓	○	✓	✓	✓	✓
Transit	Rapid 400 (Downside to Escondido via Palomar Airport Rd and SR 78 (full version of Rapid))	Transit	✓	○	✓	✓	✓	✓
Transit	Commuter express during peak periods to and from Riverside with peak period frequency of 15 minutes	Transit	✓	✓	○	○	○	✓
Transit	Commuter express during peak periods to and from Kearny Mesa with peak period frequency of 15 minutes	Transit	✓	✓	○	○	○	✓
Overpass Improvements	Overpass improvements to improve community connection and safety at I-8 and Palomar Airport Rd	Overpass	✓	○	○	○	○	○
Flex-Flex Fleet Service	Implement flex fleet services such as an on-demand shuttle to connect to key destinations including CSUSM, Civic Districts, and City Hall	Flex-Flex	✓	✓	○	○	○	○
NCTD Flex Service	Five planned FLEX Zones that cross the Mobility Blvd to flex fleet services such as a water delivery to I-8	NCTD	✓	○	○	○	○	○
TSMC	Establish a communication backbone with TSMC strategies, transit signal coordination and management to enhance transit operations and signal timing with on-ramp of I-8	TSMC	✓	✓	○	○	○	○

North County CMCP
June 2023 | Palomar Airport Road/San Marcos Boulevard (Final) | 1

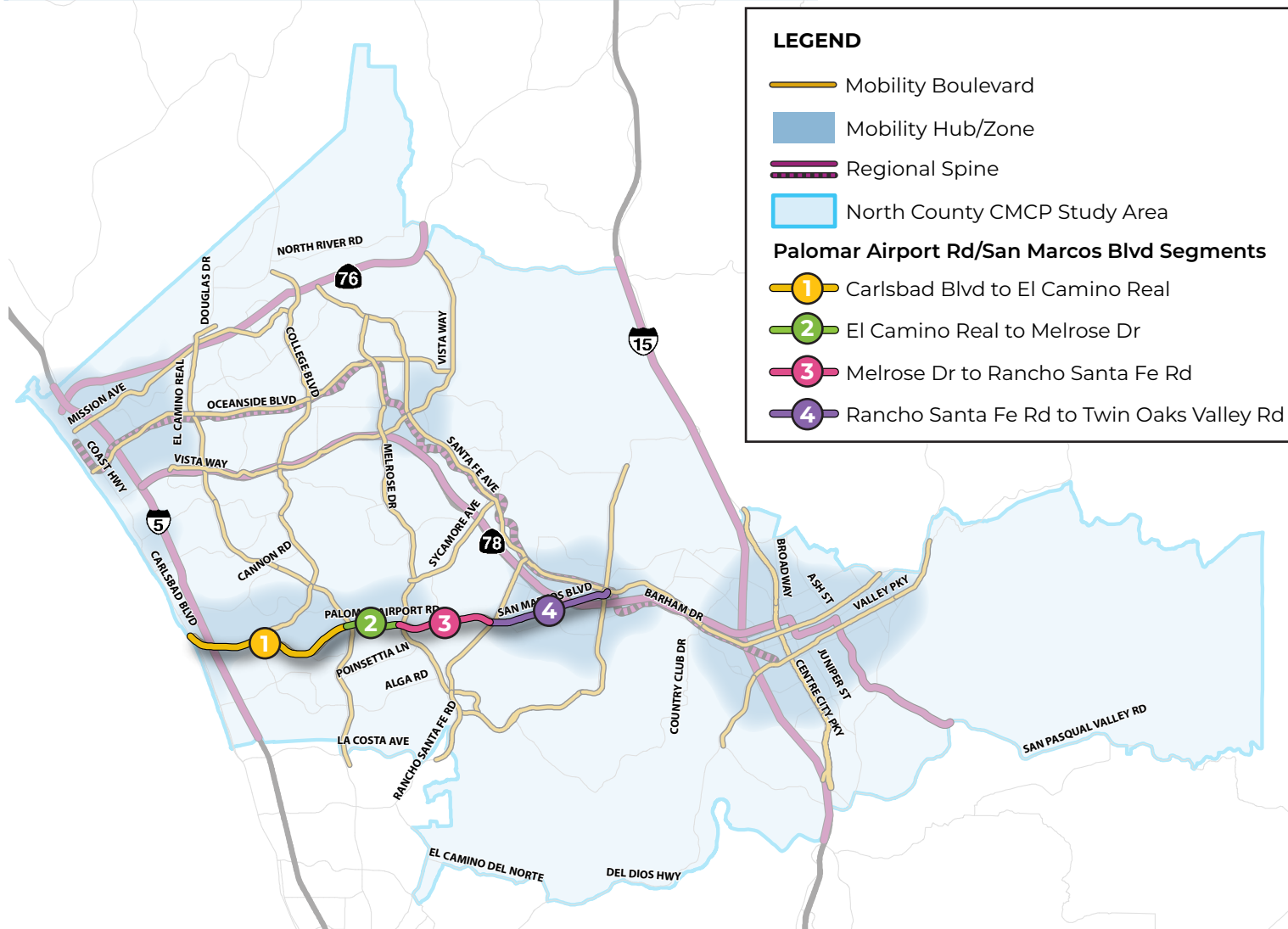
- Mobility Boulevard Name** – Name of the identified mobility boulevard
- Mobility Boulevard Key Map** – Identifies the location of the mobility boulevard within the North County subregion and its unique segments
- Mobility Boulevard Segment and Quick Info** – Outlines the number of signals and segment length in miles for each mobility boulevard segment identified in the key map
- Mobility Boulevard Photos** – Existing imagery related to the mobility boulevard to show typical conditions
- Related North County CMCP Strategies** – Highlights in green and a yellow outline which of the following strategies the mobility boulevard supports:

Strategy Layer Icon	Strategy Layer
	Smart Arterials and Intersections
	Regional "SMART" Highway Capacity Management
	Active Transportation Network
	Reconnecting Communities
	Mobility as a Service
	High-Frequency Core, Rapid, and Commuter Services
	SPRINTER Improvements
	TSMO/ICM
	Complementary Programs

- Proposed Strategies** – Provides detail as to how the strategy layer is being applied to the mobility boulevard (i.e., strategy improvement and which mobility boulevard segment would receive the improvements)
- Strategic Anchors** – Locates where the mobility boulevard segment intersects with other strategic anchors
- Highlighted Program and Projects** – Lists the projects and programs along the mobility boulevard with the following information for each:
 - type,
 - description,
 - primary strategy layer applicable,
 - intersection with mobility hub and regional spine (checkmark means yes), and
 - mobility boulevard segment is related (checkmark means yes).

Palomar Airport Road/San Marcos Boulevard

Mobility Boulevard Key Map



	Signals (#)	Length (Miles)
Segment 1: Carlsbad Blvd to El Camino Real	10	4.1
Segment 2: El Camino Real to Melrose Dr	4	1.3
Segment 3: Melrose Dr to Rancho Santa Fe Rd	6	2.2
Segment 4: Rancho Santa Fe Rd to Twin Oaks Valley Rd	15	2.9
Total	35	10.5



SR 78 Ramps on San Marcos Boulevard



Palomar Airport Rd West of Melrose Drive

Related North County CMCP Strategies



Proposed Strategies

Strategy	Program/Project	Segment 1	Segment 2	Segment 3	Segment 4
SMART Arterials and Intersections	Flex Lanes	Both Directions (Peak Periods)			
	SMART Intersections	10	4	6	15
Active Transportation Network	Separated Facility	Class I (Planned)		Class IV/Bicycle Boulevard* Potential multi-way along Segment 4	
	Improved Pedestrian Crossings	8	3	3	9
High-Frequency Core, Rapid, and Commuter Services	Rapid	Next Gen 440 and Next Gen 450 (Frequency: 10 min) (Planned)			
	Commuter Express	Commuter between Riverside and North County subregion (Peak Period Frequency: 15 min) Commuter between Kearny Mesa and North County subregion (Peak Period Frequency: 15 min)			
	Local Service/Flex Service	Flex Services (up to 5 routes)			

STRATEGIC ANCHOR

Mobility Boulevard Segment

1 Segment 1

2 Segment 2

3 Segment 3

4 Segment 4

MOBILITY HUB REGIONAL SPINE

	Oceanside	Carlsbad Village	Carlsbad Palomar	Vista	San Marcos	Escondido	I-5	SR 76	SR 78	I-15	SPRINTER	Inland Rail Trail
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1 Segment 1	○	○	●	○	○	○	●	○	○	○	○	○
2 Segment 2	○	○	●	○	○	○	○	○	○	○	○	○
3 Segment 3	○	○	◐	○	◐	○	○	○	○	○	○	○
4 Segment 4	○	○	○	○	●	○	○	○	●	○	●	●

Symbol Key: ● Yes ◐ Partial ○ No

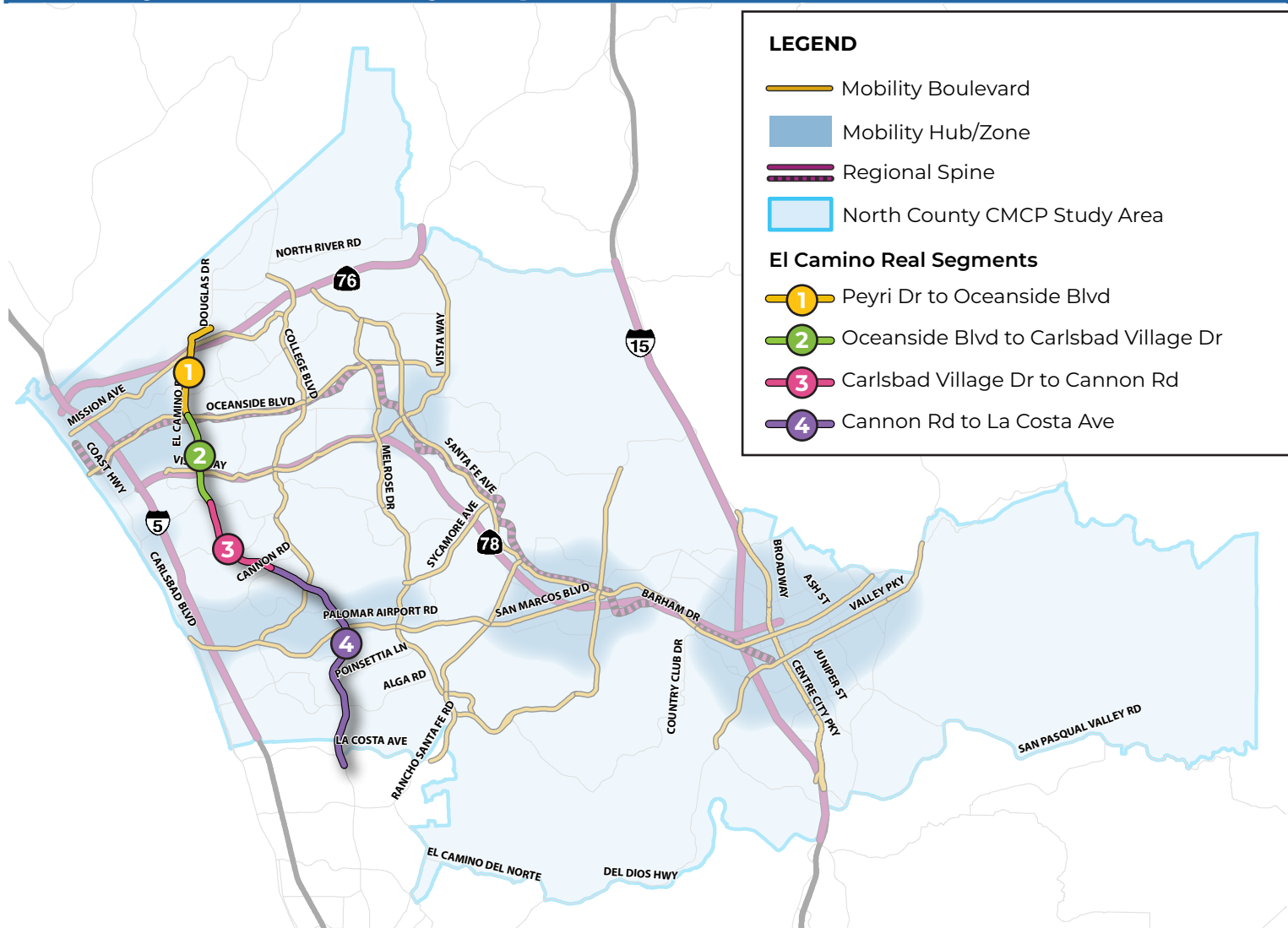
Palomar Airport Road/San Marcos Boulevard

Highlighted Projects and Programs

Program/ Projects	Description	Primary Strategy	Mobility Hub	Regional Spine	Segment 1	Segment 2	Segment 3	Segment 4
SMART Corridor	Smart Corridor: Palomar Airport Rd including smart intersections and flexible lanes		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SMART Corridor	Smart Corridor: San Marcos Blvd including smart intersections and flexible lanes		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Smart Intersections	34 smart intersections, five (5) shared with other Mobility Boulevards		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Active Transportation	39 bike and/or pedestrian crossing improvements to increase active transportation safety		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Active Transportation	Planned protected bike facility from Carlsbad Blvd to Twin Oaks Valley Rd		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Regional Trail Improvements	Inland Rail Trail trailhead upgrades at San Marcos Blvd and E Mission Rd		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SPRINTER Improvements	Increase SPRINTER frequency to 10 minutes with proposed double tracking; Proposed station improvements at the San Marcos Civic Center Station		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Transit	Rapid 450 (Oceanside to Escondido via Palomar Airport Rd and SR 78 (Light version of Rapid))		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Transit	Rapid 440 (Carlsbad to Escondido Transit Center via Palomar Airport Rd)		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Transit	Rapid 450 (Oceanside to Escondido via Palomar Airport Rd and SR 78 (Full version of Rapid))		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Transit	Commuter express during peak periods to and from Riverside with peak period frequency of 15-minute		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Transit	Commuter express during peak periods to and from Kearny Mesa with peak period frequency of 15-minute		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Overpass Improvements	Overpass improvements to improve community connection and safety at I-5 and Palomar Airport Rd		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flexible Fleet Service	Implement flex fleet service such as an intra-city shuttle to connect to key destinations including CSUSM, Creek District, and City Hall		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
NCTD Flex Service	Five planned FLEX Zones that cross the Mobility Blvd for flex fleet services such as an intra-city shuttle to utilize		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
TSMO	Establish as a communication backbone with TSMO strategies (transit signal coordination and management to enhance transit operations and signal timing with on-/off-ramps of SR 78)		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

El Camino Real

Mobility Boulevard Key Map



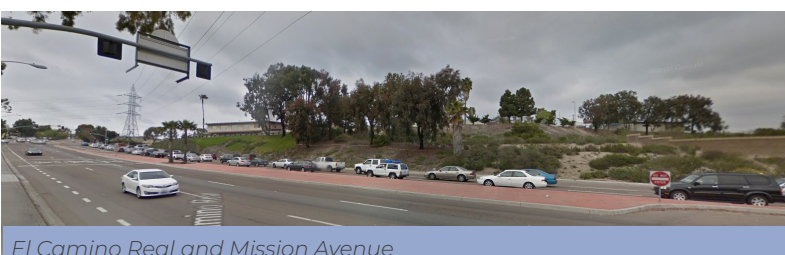
LEGEND

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

El Camino Real Segments

- 1 Peyri Dr to Oceanside Blvd
- 2 Oceanside Blvd to Carlsbad Village Dr
- 3 Carlsbad Village Dr to Cannon Rd
- 4 Cannon Rd to La Costa Ave

Segment	Signals (#)	Length (Miles)
Segment 1: Peyri Dr to Oceanside Blvd	6	2.4
Segment 2: Oceanside Blvd to Carlsbad Village Dr	10	2.2
Segment 3: Carlsbad Village Dr to Cannon Rd	5	2.4
Segment 4: Cannon Rd to La Costa Ave	14	5.9
Total	35	12.9



Related North County CMCP Strategies

Proposed Strategies














Strategy	Program/Project	Segment 1	Segment 2	Segment 3	Segment 4
SMART Arterials and Intersections	Flex Lanes	Consider	Both Directions (Peak Periods)	Consider	
	SMART Intersections	6	10	5	14
Active Transportation Network	Separated Facility	Class IV (Planned)		Class I (Planned)	
	Improved Pedestrian Crossings	7	11	2	5
High-Frequency Core, Rapid, and Commuter Services	Rapid	None	Next Gen 477 (Frequency: 10 min) (Planned)	None	
	Commuter Express	None			
	Local Service/Flex Service	Flex Service (up to 12 routes)			

STRATEGIC ANCHOR	MOBILITY HUB						REGIONAL SPINE					
	Oceanside	Carlsbad Village	Carlsbad Palomar	Vista	San Marcos	Escondido	I-5	SR 76	SR 78	I-15	SPRINTER	Inland Rail Trail
1 Segment 1	○	○	○	○	○	○	○	●	○	○	○	○
2 Segment 2	●	○	○	○	○	○	○	○	●	○	●	●
3 Segment 3	○	○	○	○	○	○	○	○	○	○	○	○
4 Segment 4	○	○	●	○	○	○	○	○	○	○	○	○

Symbol Key: ● Yes ● Partial ○ No

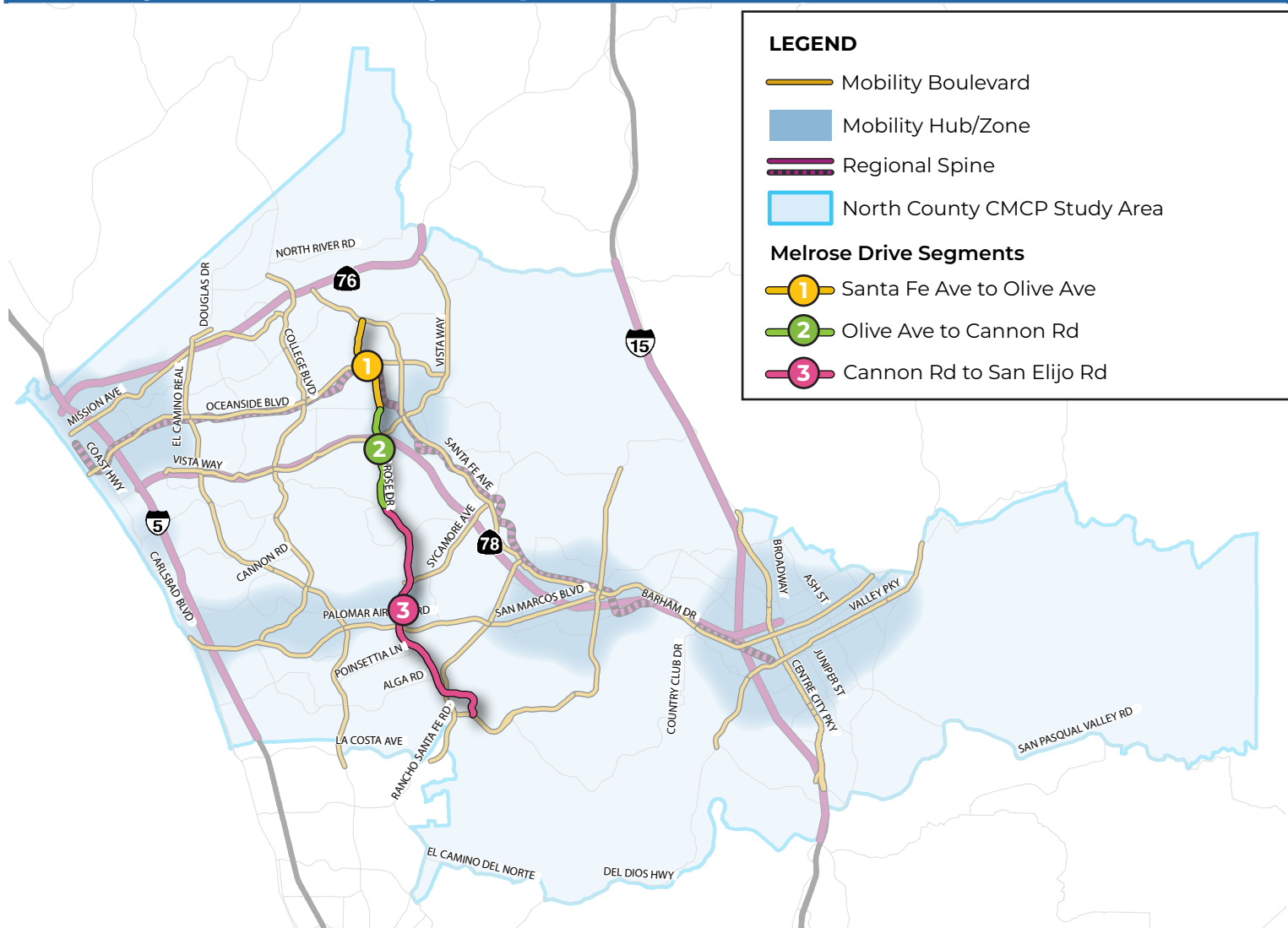
El Camino Real

Highlighted Projects and Programs

Program/Projects	Description	Primary Strategy	Mobility Hub	Regional Spine	Segment 1	Segment 2	Segment 3	Segment 4
Smart Intersections	35 smart intersections, five shared with other Mobility Boulevards		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Interchange Improvements	Install traffic calming measures at eight intersections in the Carlsbad Barrio to reduce vehicle speeds		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Active Transportation	Protected or enhanced bicycle facilities (Class I/Class IV preferred)		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Active Transportation	36 bike and/or pedestrian crossing improvements to increase active transportation safety		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Active Transportation	Sidewalk improvements along east and west sides of El Camino Real from Tamarack Ave to Chestnut Av; Sidewalk improvements along west side of El Camino Real from Lisa St to Crestview		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SPRINTER Improvements	Corridor doubletracking		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SPRINTER Improvements	Station Improvements at the El Camino Real Station		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SPRINTER Improvements	Planned grade separation at El Camino Real		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transit	Limited stop <i>Rapid</i> along El Camino Real		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Transit	<i>Rapid</i> transit route 477: Connection from Camp Pendleton to Carlsbad Village via College Blvd, Plaza Camino Real		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Overpass Improvements	Overpass improvements to improve community connection and safety along El Camino Real and SR 78		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NCTD Flex Service	12 planned FLEX Zones by NCTD that serve or cross the Mobility Boulevard		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
TSMO	Establish corridor as a communication backbone with TSMO strategies		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Melrose Drive

Mobility Boulevard Key Map



	Signals (#)	Length (Miles)
Segment 1: Santa Fe Ave to Olive Ave	10	4.1
Segment 2: Olive Ave to Cannon Rd	9	2.4
Segment 3: Cannon Rd to San Elijo Rd	14	6.3
Total	33	12.8



Related North County CMCP Strategies

Proposed Strategies












Strategy	Program/Project	Segment 1	Segment 2	Segment 3
SMART Arterials and Intersections	Flex Lanes	Consider	Yes	Consider
	SMART Intersections	10	9	14
Active Transportation Network	Separated Facility	Class I/IV (Proposed)		
	Improved Pedestrian Crossings	1	4	3
High-Frequency Core, Rapid, and Commuter Services	Rapid	Rapid (Peak Period Frequency: 10 min)		
	Commuter Express	None		
	Local Service/Flex Service	Flex Service (up to 2 routes)		

STRATEGIC ANCHOR	MOBILITY HUB						REGIONAL SPINE					
	Oceanside	Carlsbad Village	Carlsbad Palomar	Vista	San Marcos	Escondido	I-5	SR 76	SR 78	I-15	SPRINTER	Inland Rail Trail
1 Segment 1	○	○	○	◐	○	○	○	●	○	○	●	●
2 Segment 2	○	○	○	◐	○	○	○	○	●	○	○	○
3 Segment 3	○	○	◐	◐	○	○	○	○	○	○	○	○

Symbol Key: ● Yes ◐ Partial ○ No

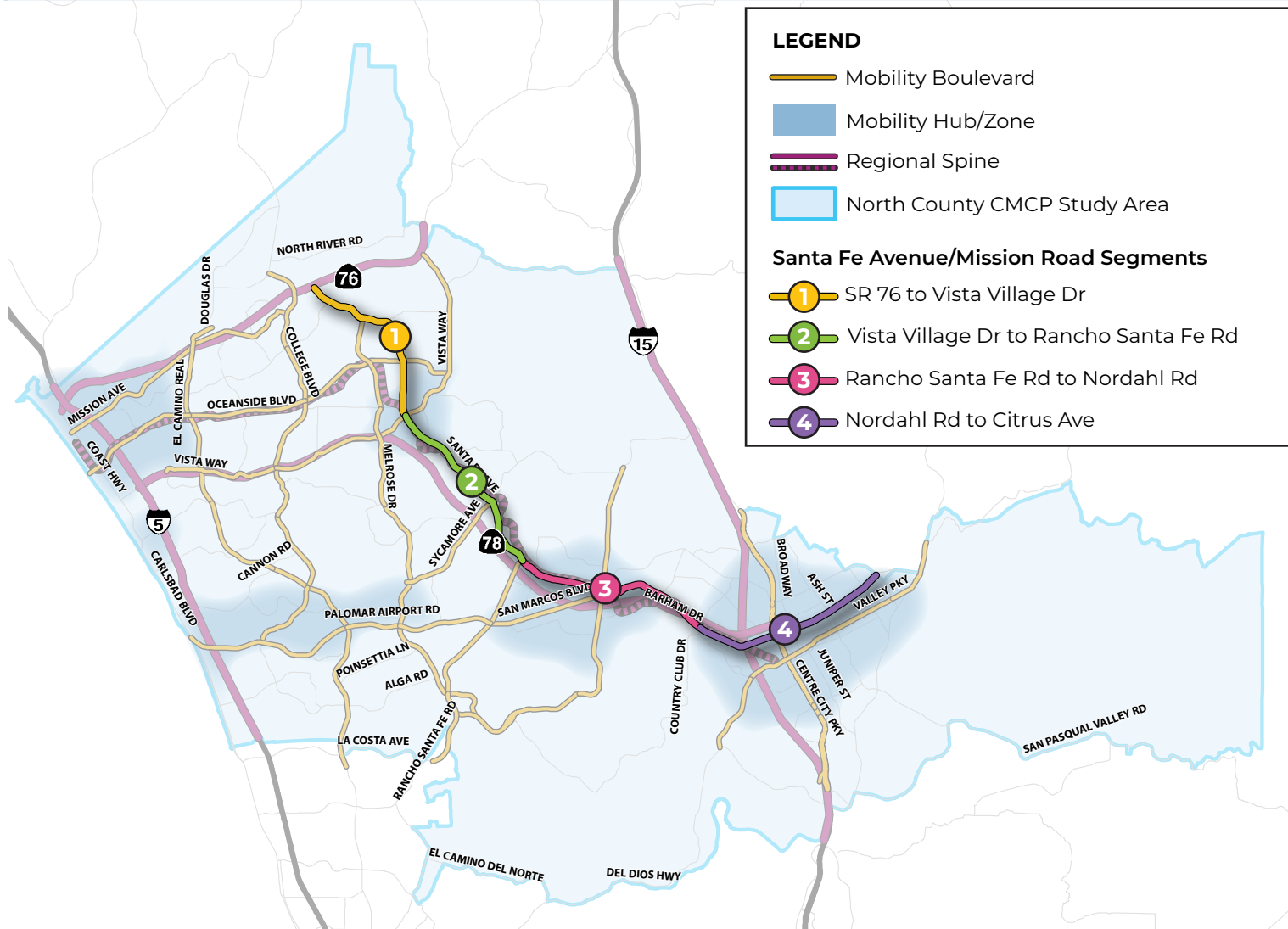
Melrose Drive

Highlighted Projects and Programs

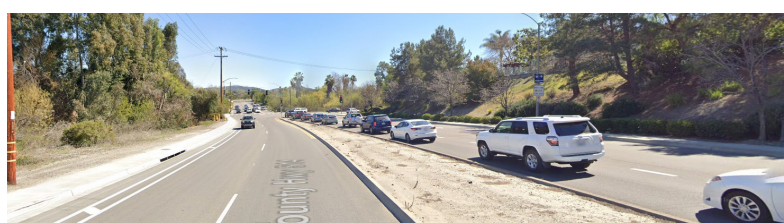
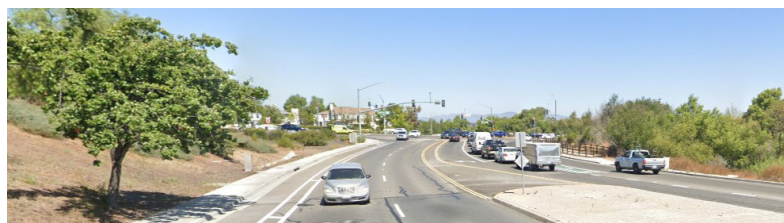
Program/Projects	Description	Primary Strategy	Mobility Hub	Regional Spine	Segment 1	Segment 2	Segment 3
Smart Corridor Improvements	Smart Corridor Candidate: Melrose Dr		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Smart Intersections	33 smart intersections, two shared with other Mobility Boulevards		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Active Transportation	38 bike and/or pedestrian crossing improvements to increase active transportation safety		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Active Transportation	Protected bicycle facility with bikeway connection surrounding destinations such as San Elijo Town Center		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Active Transportation	Provide protected bike facility along Melrose Drive from Santa Fe Ave to San Elijo Rd		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Active Transportation	Provide grade separated crossing between Inland Rail Trail and the Sprinter		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SPRINTER Improvements	Planned grade separations at Melrose Dr and North Drive, double tracking and fleet improvements to improve SPRINTER frequency		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transit	Provide high-frequency, limited stop BRT service along Melrose Drive between Oceanside and Carlsbad		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Underpass Improvements	Underpass improvements to improve community connection and safety along SR 78 and Melrose Dr		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NCTD Flex Service	Two planned FLEX Zones by NCTD that cross the Mobility Boulevard		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
TSMO	Establish corridor as a communication backbone with TSMO strategies		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Santa Fe Avenue/Mission Road

Mobility Boulevard Key Map



Segment	Signals (#)	Length (Miles)
Segment 1: SR 76 to Vista Village Dr	16	4.3
Segment 2: Vista Village Dr to Rancho Santa Fe Rd	11	4.6
Segment 3: Rancho Santa Fe Rd to Nordahl Rd	16	4.8
Segment 4: Nordahl Rd to Citrus Ave	12	4.7
Total	55	18.4



Related North County CMCP Strategies

Proposed Strategies

Strategy	Program/Project	Segment 1	Segment 2	Segment 3	Segment 4
SMART Arterials and Intersections	Flex Lanes	Consider			
	SMART Intersections	16	11	16	12
Active Transportation Network	Separated Facility	Planned; Class IV	Class I		Planned; Class IV
	Improved Pedestrian Crossing	6	11	3	18
High-Frequency Core, Rapid, and Commuter Services	Rapid	Next Gen 474 (Frequency: 10 min) (Planned)	Rapid (Peak Period Frequency: 10 min)		
	Commuter Express	None			
	Local Service/Flex Service	Flex Service (up to 11 routes)			












STRATEGIC ANCHOR

Mobility Boulevard Segment	MOBILITY HUB						REGIONAL SPINE					
	Oceanside	Carlsbad Village	Carlsbad Palomar	Vista	San Marcos	Escondido	I-5	SR 76	SR 78	I-15	SPRINTER	Inland Rail Trail
1 Segment 1	○	○	○	◐	○	○	○	○	○	○	◐	○
2 Segment 2	○	○	○	◐	◐	○	○	○	○	○	○	●
3 Segment 3	○	○	○	○	◐	◐	○	○	○	○	○	●
4 Segment 4	○	○	○	○	○	○	○	○	○	○	○	◐

Symbol Key: ● Yes ◐ Partial ○ No

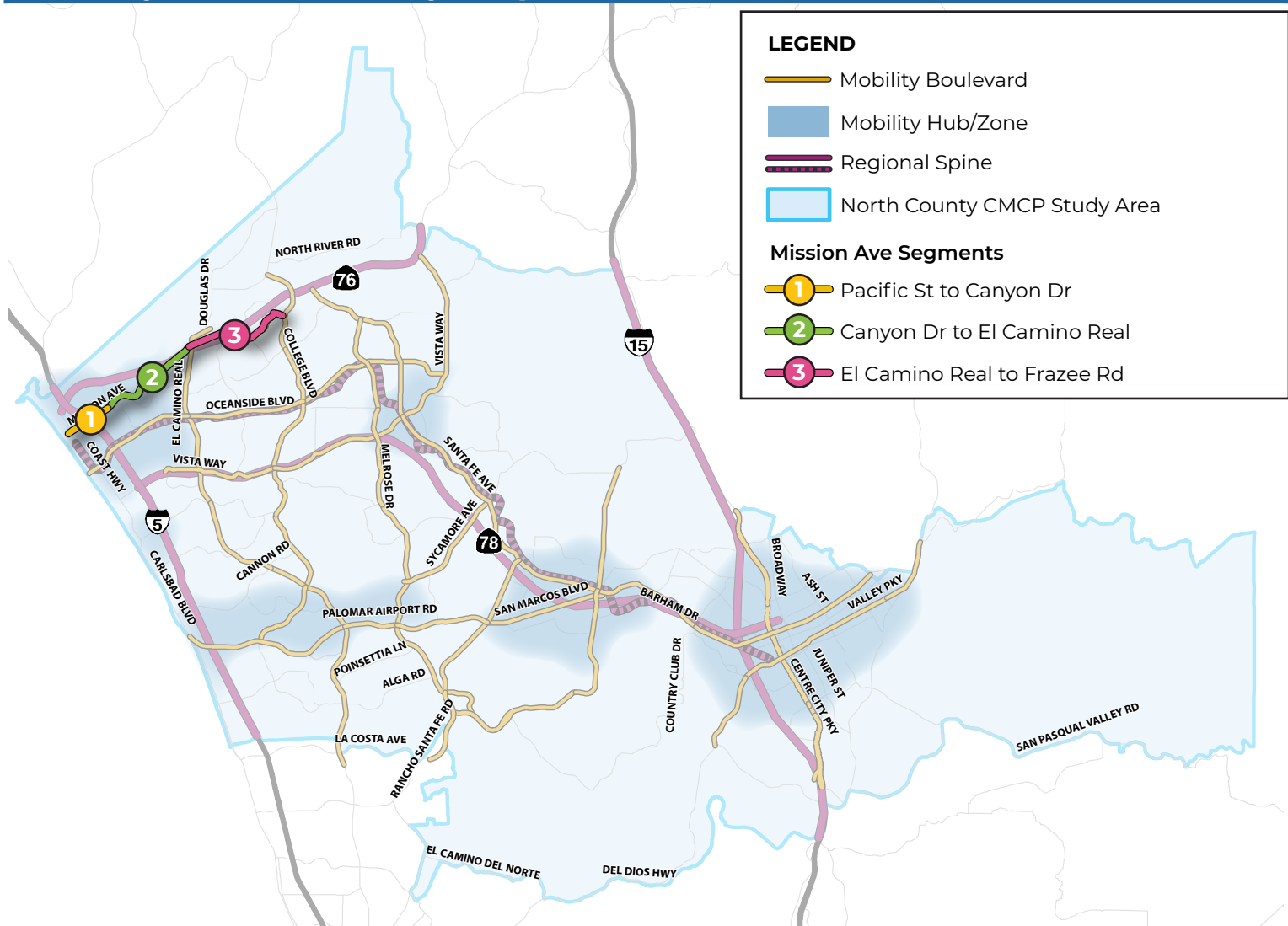
Santa Fe Avenue/Mission Road

Highlighted Projects and Programs

Program/Projects	Description	Primary Strategy	Mobility Hub	Regional Spine	Segment 1	Segment 2	Segment 3	Segment 4
SMART Intersections	55 smart intersections, seven shared with other Mobility Boulevards		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Active Transportation Improvements	56 bike and/or pedestrian crossing improvements to increase active transportation safety (ex. Upgrades and development to Inland Rail Trail and Trailheads adjacent to Mobility Blvds.)		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Active Transportation Improvements	Add sidewalks to create a complete sidewalk network		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Active Transportation Improvements	Upgrades and development to Inland Rail Trail and Trailheads, adjacent to the Mobility Boulevards		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Active Transportation Improvements	East/West pedestrian improvements intersecting Mobility Boulevard, along Centre City Pkwy and Mission Ave		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SPRINTER Improvements	Double track SPRINTER extension to southern Escondido, proposed grade separation at York Dr, Buena Creek Rd and Pacific St, and planned grade separation at Auto Parkway and Mission Avenue		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Transit Improvements	Provide a high-frequency, limited stop BRT service parallel to SPRINTER along Oceanside Blvd, Santa Fe Ave and Mission Rd, to Escondido		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Transit Improvements	Next Gen <i>Rapid</i> Route 474 from Oceanside to Vista via Mission Ave/Santa Fe Rd		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underpass Improvements	Underpass improvements to improve community connection and safety along I-15, SR 78, and Mission Ave		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
NCTD Flex Service	11 planned FLEX Zones by NCTD that cross the Mobility Boulevard		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
TSMO	Establish corridor as a communication backbone with TSMO strategies		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Mission Avenue

Mobility Boulevard Key Map



LEGEND

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

Mission Ave Segments

- 1 Pacific St to Canyon Dr
- 2 Canyon Dr to El Camino Real
- 3 El Camino Real to Frazee Rd

	Signals (#)	Length (Miles)
Segment 1: Pacific St to Canyon Dr	8	1.1
Segment 2: Canyon Dr to El Camino Real	10	2.6
Segment 3: El Camino Real to Frazee Rd	10	2.6
Total	28	6.3



Related North County CMCP Strategies

Proposed Strategies










Strategy	Program/Project	Segment 1	Segment 2	Segment 3
SMART Arterials and Intersections	Flex Lanes	Consider		
	SMART Intersections	8	10	10
Active Transportation Network	Separated Facility	Class I/IV (Proposed)		
	Improved Pedestrian Crossing	13	8	3
High-Frequency Core, Rapid, and Commuter Services	Rapid	Next Gen 474 (Frequency: 10 min) (Planned)		N/A
	Commuter Express	None		
	Local Service/Flex Service	Flex Service (up to 5 routes)		

STRATEGIC ANCHOR	MOBILITY HUB						REGIONAL SPINE					
	Oceanside	Carlsbad Village	Carlsbad Palomar	Vista	San Marcos	Escondido	I-5	SR 76	SR 78	I-15	SPRINTER	Inland Rail Trail
Mobility Boulevard Segment												
1 Segment 1	●	○	○	○	○	○	●	○	○	○	○	○
2 Segment 2	●	○	○	○	○	○	○	●	○	○	○	○
3 Segment 3	○	○	○	○	○	○	○	●	○	○	○	○

Symbol Key: ● Yes ○ Partial ○ No

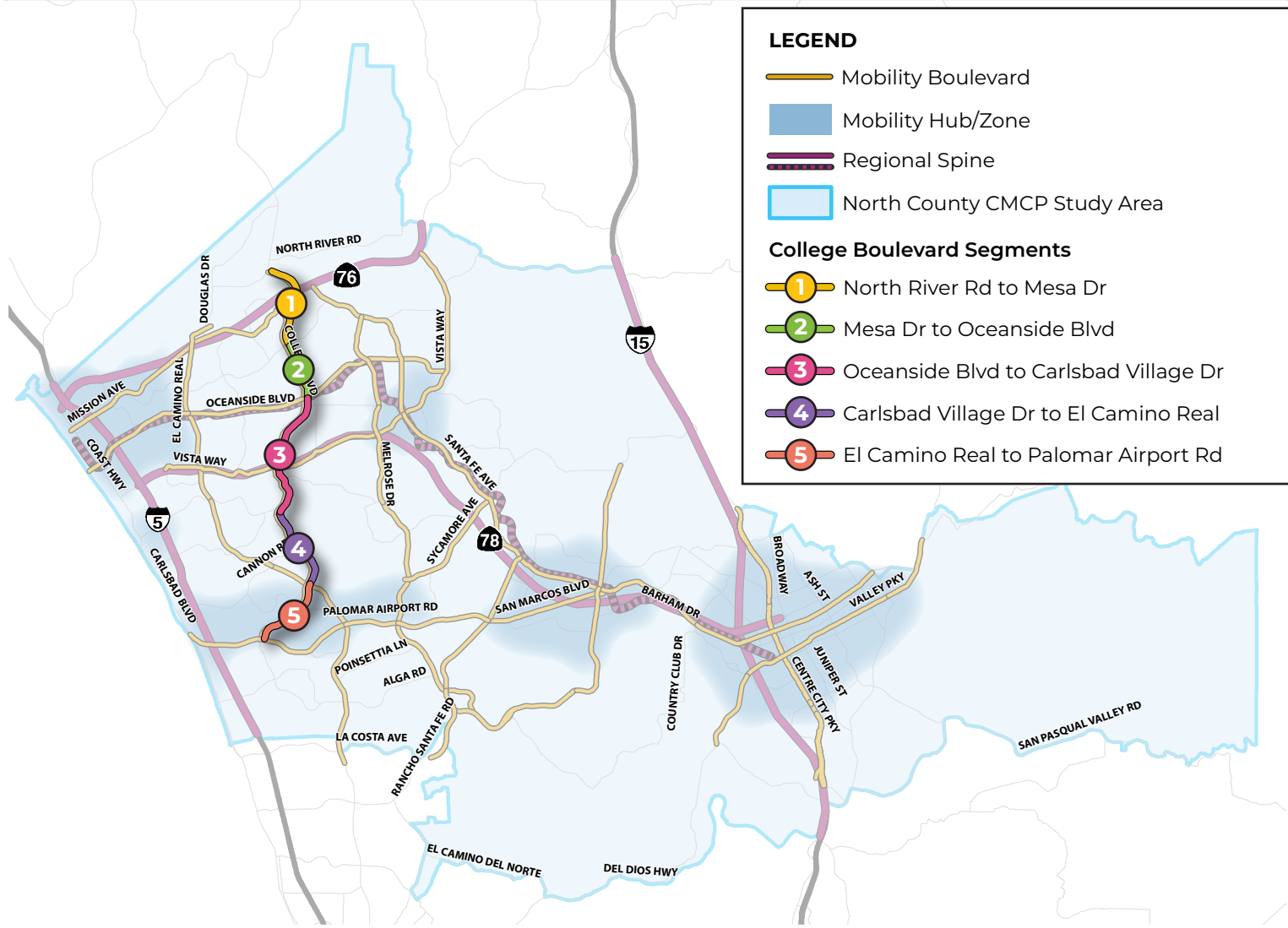
Mission Avenue

Highlighted Projects and Programs

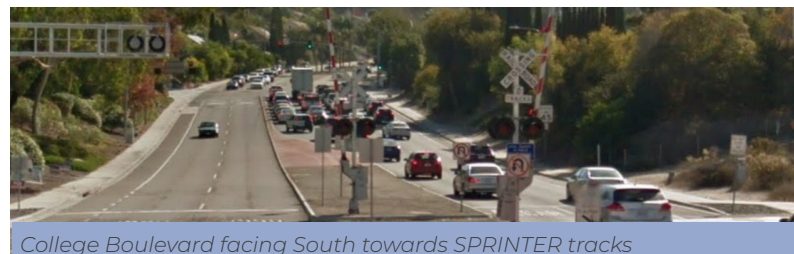
Program/Projects	Description	Primary Strategy	Mobility Hub	Regional Spine	Segment 1	Segment 2	Segment 3
Smart Intersections	28 smart intersections, two shared with other Mobility Boulevards.		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Active Transportation	28 bike and/or pedestrian crossing improvements to increase active transportation safety.		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Active Transportation	Proposed protected bike facility along Mission Ave between Pacific Street to Frazee Rd		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Transit	Provide high-frequency, limited stop BRT service along Mission Ave in Oceanside from N Coast Hwy to Vista Way		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Transit	Next Gen <i>Rapid</i> Route 474 from Oceanside to Vista via Mission Ave/Santa Fe Rd		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Transit	Two planned NCTD Core services along Mobility Boulevard from Oceanside to Vista		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Overpass Improvements	Overpass improvements to improve community connection and safety from I-5 and Mission Ave		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NCTD Flex Service	Five planned FLEX Zones by NCTD that cross the Mobility Boulevard		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
TSMO	Establish corridor as a communication backbone with TSMO strategies		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

College Boulevard

Mobility Boulevard Key Map



Segment	Signals (#)	Length (Miles)
Segment 1: North River Rd to Mesa Dr	9	2.2
Segment 2: Mesa Dr to Oceanside Blvd	4	1.4
Segment 3: Oceanside Blvd to Carlsbad Village Dr	12	3.1
Segment 4: Carlsbad Village Dr to El Camino Real	4	2.0
Segment 5: El Camino Real to Palomar Airport Rd	4	1.8
Total	33	10.5



Related North County CMCP Strategies

Proposed Strategies










Strategy	Program/Project	Segment 1	Segment 2	Segment 3	Segment 4	Segment 5
SMART Arterials and Intersections	Flex Lanes	Consider				
	SMART Intersections	9	4	12	4	4
Active Transportation Network	Separated Facility	Class I /Class IV (Planned)			Class I / (Planned)	
	Improved Pedestrian Crossing	9	5	8	1	1
High-Frequency Core, Rapid, and Commuter Services	Rapid	Next Gen 477 (Frequency: 10 min) (Planned)			None	
	Commuter Express	None				
	Flex Service/Local Service	Flex Service (up to 14 routes)				

STRATEGIC ANCHOR	MOBILITY HUB					REGIONAL SPINE						
	Oceanside	Carlsbad Village	Carlsbad Palomar	Vista	San Marcos	Escondido	I-5	SR 76	SR 78	I-15	SPRINTER	Inland Rail Trail
1 Segment 1	○	○	○	○	○	○	○	○	○	○	○	○
2 Segment 2	○	○	○	○	○	○	●	○	○	○	○	○
3 Segment 3	○	○	○	○	○	○	○	●	○	●	●	○
4 Segment 4	○	○	○	○	○	○	○	○	○	○	○	○
5 Segment 5	○	○	●	○	○	○	○	○	○	○	○	○

Symbol Key: ● Yes ○ Partial ○ No

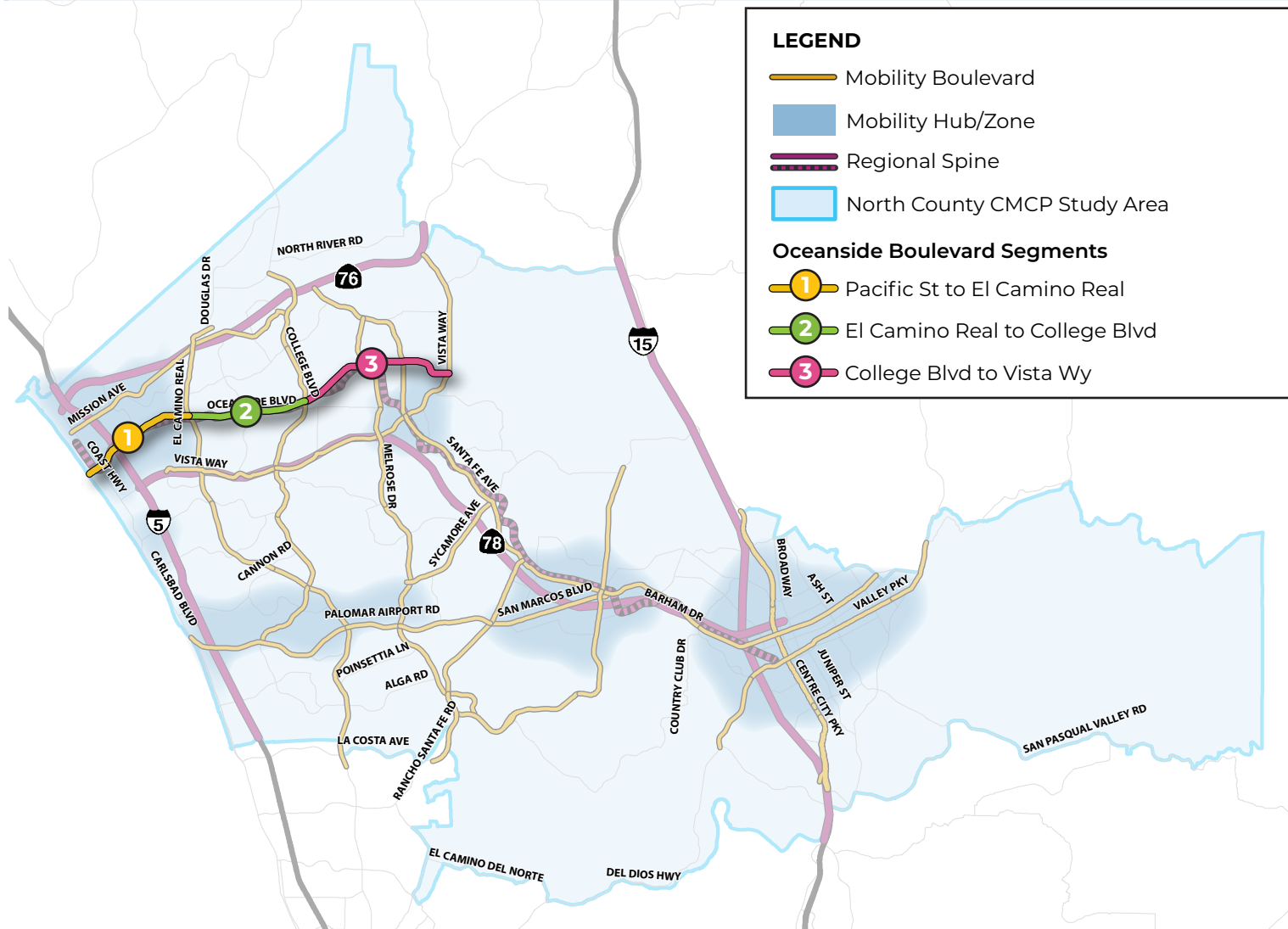
College Boulevard

Highlighted Projects and Programs

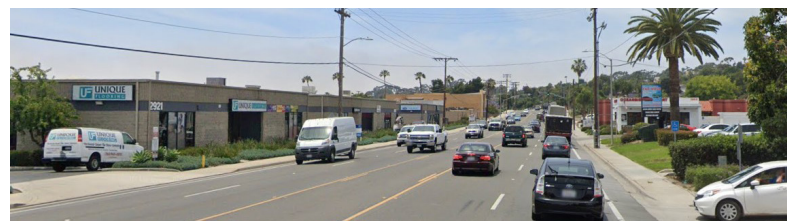
Program/Projects	Description	Primary Strategy	Mobility Hub	Regional Spine	Segment 1	Segment 2	Segment 3	Segment 4	Segment 5
SMART Intersections	33 smart intersections, five shared with other Mobility Boulevard		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Active Transportation	33 bike and/or pedestrian crossing improvements to increase active transportation safety		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Active Transportation	Proposed protected bike facility along College Boulevard from North River Rd Palomar Airport Rd		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Active Transportation	City plans to extend College Boulevard between Bobcat Lane and El Camino Real to provide Class II bike lanes and a separate Class I multi-use path		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Transit	Core NCTD service planned along College Blvd from North River Rd to Oceanside Blvd		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Microtransit Service	Proposed microtransit service that crosses the Mobility Boulevard, from Cannon Rd to Melrose Dr		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NCTD Flex Service	14 planned FLEX Zones by NCTD that serve the Mobility Boulevard		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SPRINTER Improvements	Proposed grade separation at College Boulevard		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TSMO	Establish corridor as a communication backbone with TSMO strategies		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Oceanside Boulevard

Mobility Boulevard Key Map



	Signals (#)	Length (Miles)
Segment 1: Pacific St to El Camino Real	12	2.7
Segment 2: El Camino Real to College Blvd	4	2.8
Segment 3: College Blvd to Vista Way	16	3.9
Total	32	9.5



Related North County CMCP Strategies



Proposed Strategies

Strategy	Program/Project	Segment 1	Segment 2	Segment 3
SMART Arterials and Intersections	Flex Lanes	Consider		
	SMART Intersections	12	4	16
Active Transportation Network	Separated Facility	Class IV (Planned)		
	Improved Pedestrian Crossing	12	2	5
High-Frequency Core, Rapid, and Commuter Services	Rapid	None		
	Commuter Express	None		
	Flex Service/Local Service	Flex Service (up to 13 routes)		

STRATEGIC ANCHOR

Mobility Boulevard Segment

1 Segment 1

2 Segment 2










3 Segment 3

Symbol Key: ● Yes ◐ Partial ○ No

	MOBILITY HUB					REGIONAL SPINE						
	Oceanside	Carlsbad Village	Carlsbad Palomar	Vista	San Marcos	Escondido	I-5	SR 76	SR 78	I-15	SPRINTER	Inland Rail Trail
1 Segment 1	●	○	○	○	○	○	●	○	○	○	●	◐
2 Segment 2	○	○	○	○	○	○	○	○	○	○	●	◐
3 Segment 3	○	○	○	◐	○	○	○	○	○	○	●	◐

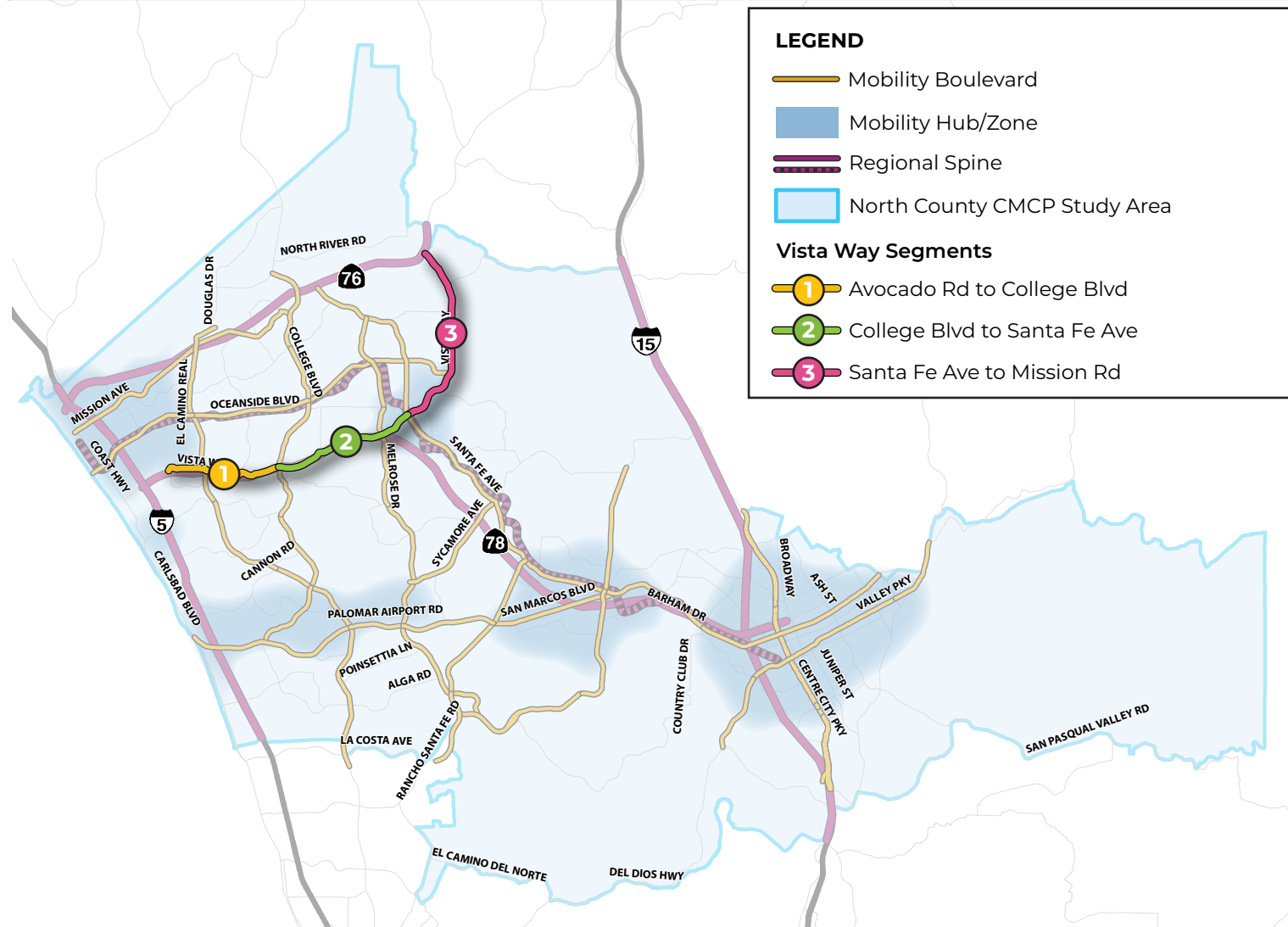
Oceanside Boulevard

Highlighted Projects and Programs

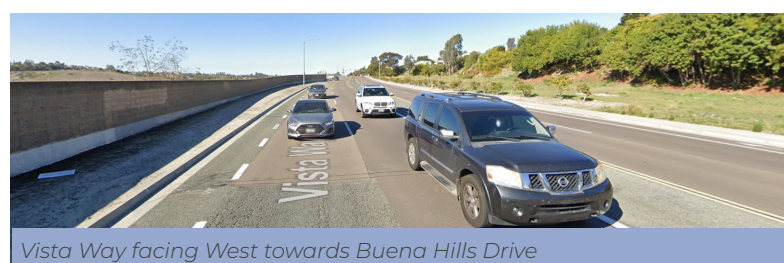
Program/ Projects	Description	Primary Strategy	Mobility Hub	Regional Spine	Segment 1	Segment 2	Segment 3
SMART Intersections	32 smart intersections, five shared with other Mobility Boulevards		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Active Transportation	32 bike and/or pedestrian crossing improvements to increase active transportation safety		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Active Transportation	Improvements to Inland Rail Trail and Trailheads from S Pacific St to Melrose Dr		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SPRINTER Improvements	Planned grade separations, double tracking, station enhancements and fleet improvements to improve frequency		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Transit	Planned improvement and expansion of NCTD bus-service along Oceanside Blvd		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Transit	Provide a high-frequency, limited stop BRT service parallel to SPRINTER along Oceanside Blvd, Santa Fe Ave and Mission Rd, to Escondido		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Underpass Improvements	Underpass improvements to improve community connection and safety along Oceanside Blvd across I-5		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NCTD Flex Service	13 planned FLEX Zones by NCTD that serve the Mobility Boulevard		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
TSMO	Establish corridor as a communication backbone with TSMO strategies		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Vista Way

Mobility Boulevard Key Map



	Signals (#)	Length (Miles)
Segment 1: Avocado Rd to College Blvd	12	2.8
Segment 2: College Blvd to Santa Fe Ave	13	3.5
Segment 3: Santa Fe Ave to Mission Rd	16	4.6
Total	41	10.8



Related North County CMCP Strategies

Proposed Strategies













Strategy	Program/Project	Segment 1	Segment 2	Segment 3
SMART Arterials and Intersections	Flex Lanes	Consider	Yes	
	SMART Intersections	12	13	16
Active Transportation Network	Separated Facility	Class I/IV (Proposed)	Class I (Planned)	Class I/IV (Proposed)
	Improved Pedestrian Crossing	11	14	11
High-Frequency Core, Rapid, and Commuter Services	Rapid	None	Next Gen 477 (Frequency: 10 min) - Partial (Planned)	Next Gen 474 (Frequency: 10 min) (Planned)
	Commuter Express	None		
	Flex Service/Local Service	Flex Service (up to 10 routes)		

STRATEGIC ANCHOR	MOBILITY HUB						REGIONAL SPINE					
	Oceanside	Carlsbad Village	Carlsbad Palomar	Vista	San Marcos	Escondido	I-5	SR 76	SR 78	I-15	SPRINTER	Inland Rail Trail
1 Segment 1	Partial	No	No	No	No	No	No	No	Yes	No	Partial	No
2 Segment 2	No	No	No	Partial	No	No	No	No	Yes	No	Partial	No
3 Segment 3	No	No	No	Partial	No	No	No	Yes	No	No	No	Yes

Symbol Key: ● Yes ● Partial ○ No

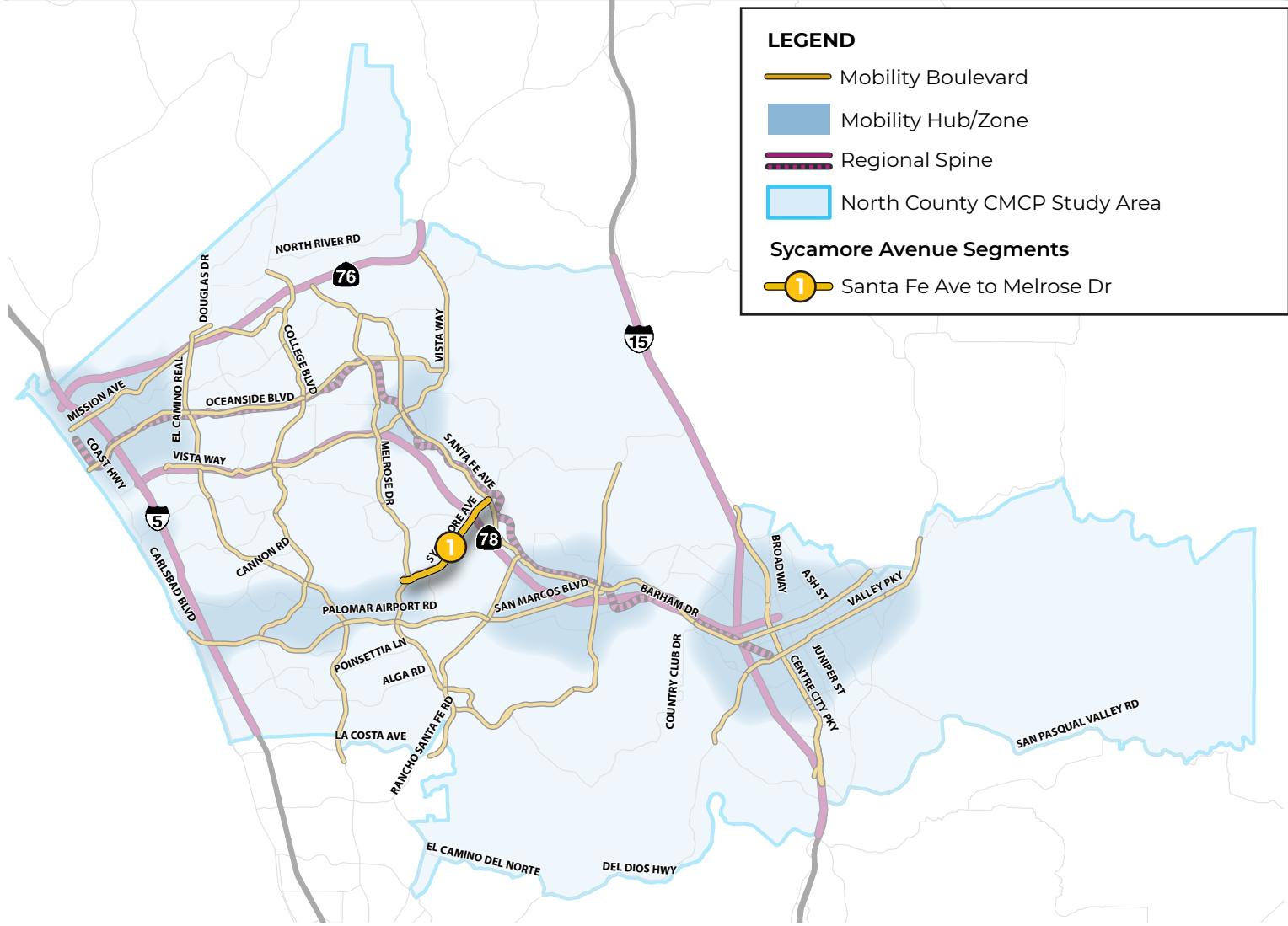
Vista Way

Highlighted Projects and Programs

Program/Projects	Description	Primary Strategy	Mobility Hub	Regional Spine	Segment 1	Segment 2	Segment 3
Smart Intersections	41 smart intersections, five shared with other Mobility Boulevards		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Active Transportation	41 bike and/or pedestrian crossing improvements to increase active transportation safety		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Active Transportation	Proposed protected bike facility along Vista Way between Mission Rd and Avocado Rd		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SPRINTER Improvement	Planned grade separation at Vista Village Dr and Main St		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Transit	Improve bus stop access/infrastructure along Vista Way		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Transit	Proposed high-frequency transit service along Vista Way, from Mission Rd to Sante Fe Ave		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Transit	Planned NextGen Rapid 474 intersecting Mobility Boulevard at Santa Fe Ave, from Oceanside to Vista vis Mission Ave/Sante Fe Rd Corridor		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Transit	Planned NextGen Rapid 477 intersecting Mobility Boulevard from Rancho Del Oro to El Camino Real, from Carlsbad Village Dr to SR 76 via College Blvd		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Operational Improvements	Improve traffic operations at the intersection of Vista Way and El Camino Real through the implementation of a smart signal		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Interchange Improvements	Role/Opportunity of parallel arterials such as West Vista Way and Mission/South Santa Fe		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NCTD Flex Service	Ten planned FLEX Zones by NCTD that cross the Mobility Boulevard		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
TSMO	Establish corridor as a communication backbone with TSMO strategies		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Sycamore Avenue

Mobility Boulevard Key Map



	Signals (#)	Length (Miles)
Segment 1: Santa Fe Ave to Melrose Dr	13	2.9
Total	13	2.9



Related North County CMCP Strategies

Proposed Strategies

Strategy	Program/Project	Segment 1
SMART Arterials and Intersections	Flex Lanes	Yes
	SMART Intersections	13
Active Transportation Network	Separated Facility	Class II (Planned)
	Improved Pedestrian Crossing	6
High-Frequency Core, Rapid, and Commuter Services	Rapid	None
	Commuter Express	None
	Flex Service/Local Service	None








STRATEGIC ANCHOR

Mobility Boulevard Segment	MOBILITY HUB						REGIONAL SPINE					
	Oceanside	Carlsbad Village	Carlsbad Palomar	Vista	San Marcos	Escondido	I-5	SR 76	SR 78	I-15	SPRINTER	Inland Rail Trail
1 Segment 1	○	○	◐	○	○	○	○	○	●	○	●	○

Symbol Key: ● Yes ◐ Partial ○ No

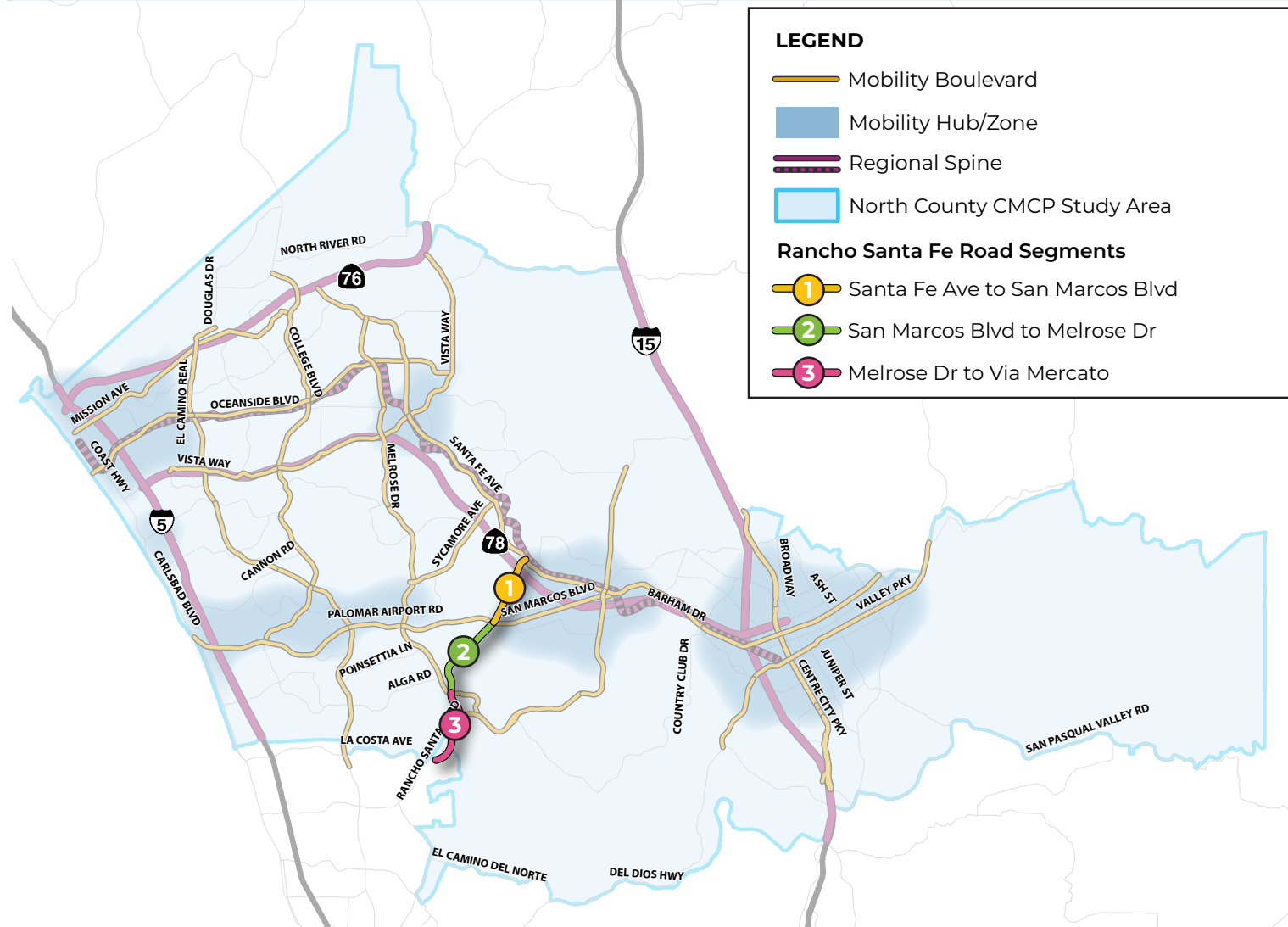
Sycamore Avenue

Highlighted Projects and Programs

Program/Projects	Description	Primary Strategy	Mobility Hub	Regional Spine	Segment 1
Smart Intersections	13 smart intersections, two shared with other Mobility Boulevards		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Active Transportation	13 bike and/or pedestrian crossing improvements to increase active transportation safety		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Active Transportation	Proposed Class II facility from Thibode Rd to Hibiscus Dr		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SPRINTER Improvements	Proposed grade separation at Buena Creek Rd		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Transit	Planned NCTD Local Service along Vista Mobility Boulevard		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Underpass Improvements	Underpass improvements		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
TSMO	Establish corridor as a communication backbone with TSMO strategies		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Rancho Santa Fe Road

Mobility Boulevard Key Map



	Signals (#)	Length (Miles)
Segment 1: Santa Fe Ave to San Marcos Blvd	11	1.7
Segment 2: San Marcos Blvd to Melrose Dr	8	2.1
Segment 3: Melrose Dr to Via Mercato	5	1.9
Total	24	5.7



Related North County CMCP Strategies



Proposed Strategies

Strategy	Program/Project	Segment 1	Segment 2	Segment 3
SMART Arterials and Intersections	Flex Lanes	Yes		
	SMART Intersections	11	8	5
Active Transportation Network	Separated Facility	Class I/IV		
	Improved Pedestrian Crossing	5	1	None
High-Frequency Core, Rapid, and Commuter Services	Rapid	None		
	Commuter Express	None		
	Flex Service/Local Service	Flex Service (up to 2 routes)		

STRATEGIC ANCHOR

Mobility Boulevard Segment

1 Segment 1

2 Segment 2








3 Segment 3

	MOBILITY HUB						REGIONAL SPINE					
	Oceanside	Carlsbad Village	Carlsbad Palomar	Vista	San Marcos	Escondido	I-5	SR 76	SR 78	I-15	SPRINTER	Inland Rail Trail
1 Segment 1	○	○	○	○	●	○	○	○	●	○	●	○
2 Segment 2	○	○	○	○	◐	○	○	○	○	○	○	○
3 Segment 3	○	○	○	○	○	○	○	○	○	○	○	○

Symbol Key: ● Yes ◐ Partial ○ No

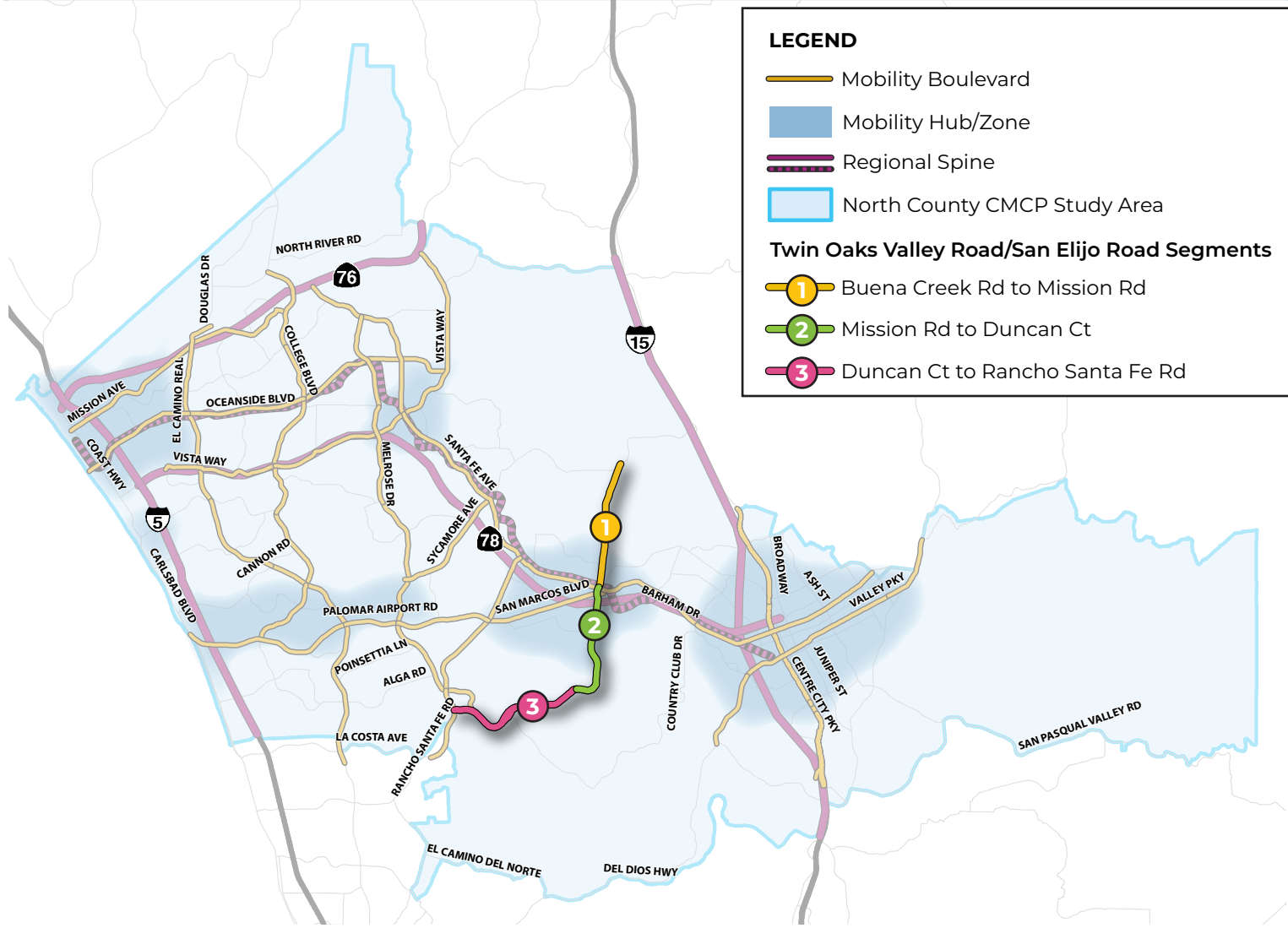
Rancho Santa Fe Road

Highlighted Projects and Programs

Program/ Projects	Description	Primary Strategy	Mobility Hub	Regional Spine	Segment 1	Segment 2	Segment 3
Smart Arterials	Widening of Rancho Santa Fe Rd interchange overpass and ramps, along Mission Rd to Melrose Dr		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Smart Intersections	24 smart intersections, three shared with other Mobility Boulevards		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Active Transportation	24 bike and/or pedestrian crossing improvements to increase active transportation safety		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Active Transportation	Proposed Class I/Class IV Facility along Rancho Santa Fe Rd from Mission Rd to San Elijo Rd		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Transit	Planned NCTD Core Service from Encinitas to Palomar College		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Overpass Improvements	Overpass improvements to improve community connection and safety along SR 78 and Rancho Santa Fe		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NCTD Flex Service	Two planned FLEX Zones by NCTD that cross the Mobility Boulevard		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TSMO	Establish corridor as a communication backbone with TSMO strategies		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Twin Oaks Valley Road/San Elijo Road

Mobility Boulevard Key Map



LEGEND

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

Twin Oaks Valley Road/San Elijo Road Segments

- 1 Buena Creek Rd to Mission Rd
- 2 Mission Rd to Duncan Ct
- 3 Duncan Ct to Rancho Santa Fe Rd

	Signals (#)	Length (Miles)
Segment 1: Buena Creek Rd to Mission Rd	8	3.0
Segment 2: Mission Rd to Duncan Ct	10	2.9
Segment 3: Duncan Ct to Rancho Santa Fe Rd	12	3.9
Total	30	9.8



Related North County CMCP Strategies

Proposed Strategies













Strategy	Program/Project	Segment 1	Segment 2	Segment 3
SMART Arterials and Intersections	Flex Lanes	Consider		
	SMART Intersections	8	10	12
Active Transportation Network	Separated Facility	Class IV (Planned)	Class I (Planned)	Class IV (Planned)
	Improved Pedestrian Crossing	None	3	None
High-Frequency Core, Rapid, and Commuter Services	Rapid	None		
	Commuter Express	None		
	Flex Service/Local Service	Flex Service (up to 3 routes)		

STRATEGIC ANCHOR	MOBILITY HUB						REGIONAL SPINE					
	Oceanside	Carlsbad Village	Carlsbad Palomar	Vista	San Marcos	Escondido	I-5	SR 76	SR 78	I-15	SPRINTER	Inland Rail Trail
1 Segment 1	○	○	○	○	◐	○	○	○	○	○	○	○
2 Segment 2	○	○	○	○	◐	○	●	○	○	○	●	●
3 Segment 3	○	○	○	○	○	○	○	○	○	○	○	○

Symbol Key: ● Yes ◐ Partial ○ No

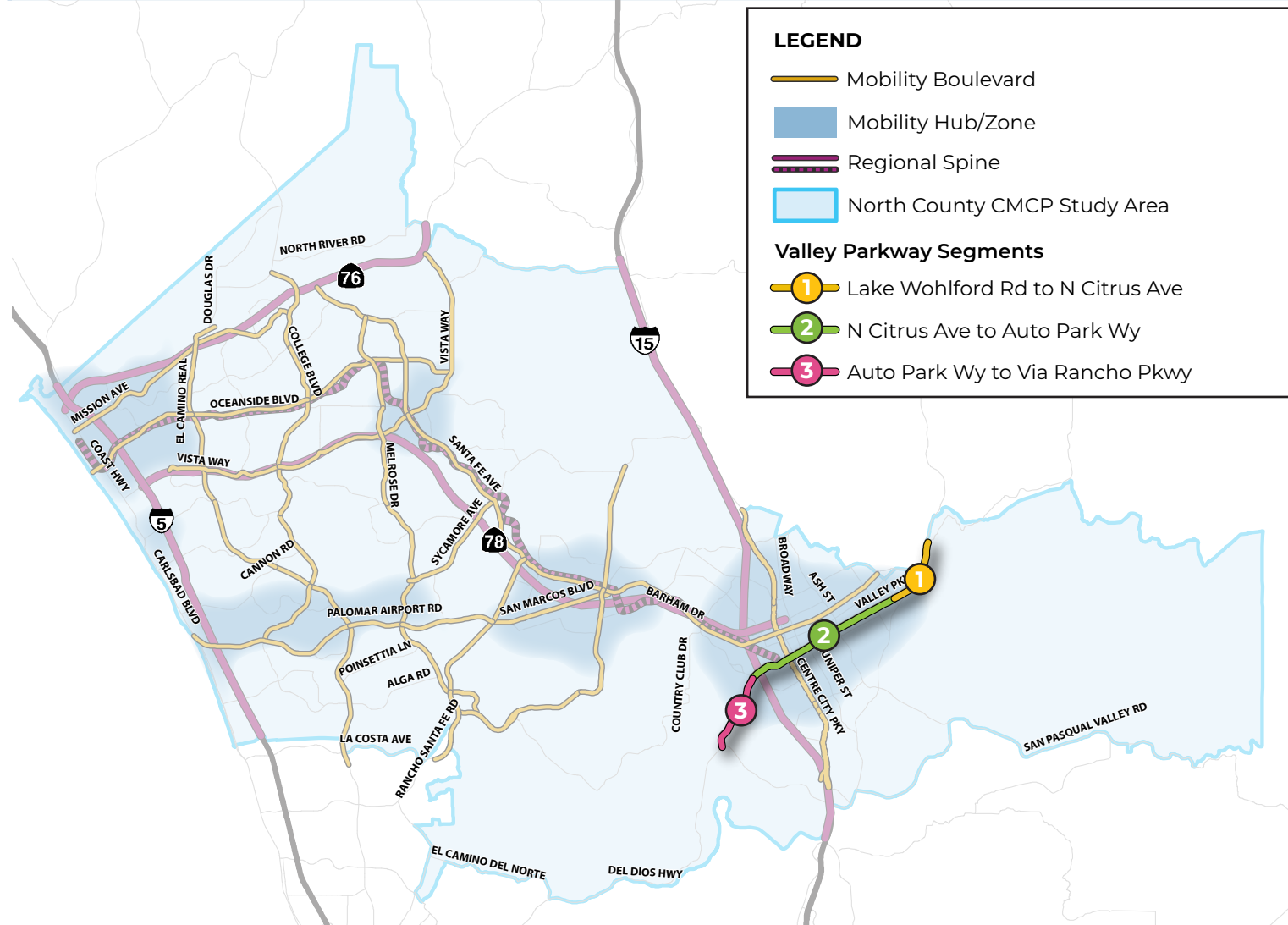
Twin Oaks Valley Road/San Elijo Road

Highlighted Projects and Programs

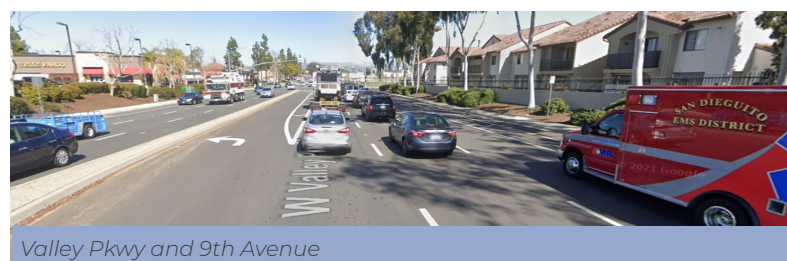
Program/Projects	Description	Primary Strategy	Mobility Hub	Regional Spine	Segment 1	Segment 2	Segment 3
Smart Intersections	30 smart intersections, four shared with other Mobility Boulevards		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Active Transportation	30 bike and/or pedestrian crossing improvements to increase active transportation safety		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Active Transportation	Development of Twin Oaks Valley Trailhead		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Active Transportation	Planned Class I bike facility in Double Peak Regional Park to better connect Twin Oaks Valley Rd to planned trail network		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Active Transportation	Planned Class I bike facility along Twin Oaks Valley Rd between San Marcos Boulevard and Double Peak Drive		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Active Transportation	Planned Class IV bike facility between Double Peak Drive and Rancho Santa Fe Rd		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Interchange Improvements	Twin Oaks Valley Rd and SR 78 interchange capacity and metering improvements		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overpass Improvements	Overpass improvements at Twin Oaks Valley Rd and Mission Rd Interchange to improve community connection and safety		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overpass Improvements	Overpass improvements at Twin Oaks Valley Rd and SR 78 Interchange to improve community connection and safety		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flex/Microtransit Service	Provide flex/microtransit service along Twin Oaks Valley Rd from Deer Springs Rd to Questhaven Rd		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
NCTD Flex Service	Three planned FLEX Zones by NCTD that cross the Mobility Boulevard		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TSMO	Establish corridor as a communication backbone with TSMO strategies		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Valley Parkway

Mobility Boulevard Key Map



	Signals (#)	Length (Miles)
Segment 1: Lake Wohlford Rd to N Citrus Ave	7	1.7
Segment 2: N Citrus Ave to Auto Park Way	19	3.9
Segment 3: Auto Park Way to Via Rancho Parkway	6	1.9
Total	32	7.4



Related North County CMCP Strategies

Proposed Strategies










Strategy	Program/Project	Segment 1	Segment 2	Segment 3
SMART Arterials and Intersections	Flex Lanes	Consider		
	SMART Intersections	7	19	6
Active Transportation Network	Separated Facility	Existing Class I Parallel		Class IV (Planned)
	Improved Pedestrian Crossing	3	25	None
High-Frequency Core, Rapid, and Commuter Services	Rapid	Next Gen 471 (Frequency: 10 min) (Planned)		None
	Commuter Express	None		
	Flex/Service Local Service	Flex Service (up to 3 routes)		

STRATEGIC ANCHOR	MOBILITY HUB						REGIONAL SPINE					
	Oceanside	Carlsbad Village	Carlsbad Palomar	Vista	San Marcos	Escondido	I-5	SR 76	SR 78	I-15	SPRINTER	Inland Rail Trail
Segment 1	○	○	○	○	○	◐	○	○	○	○	○	○
Segment 2	○	○	○	○	○	●	○	○	●	●	●	○
Segment 3	○	○	○	○	○	◐	○	○	○	○	○	○

Symbol Key: ● Yes ◐ Partial ○ No

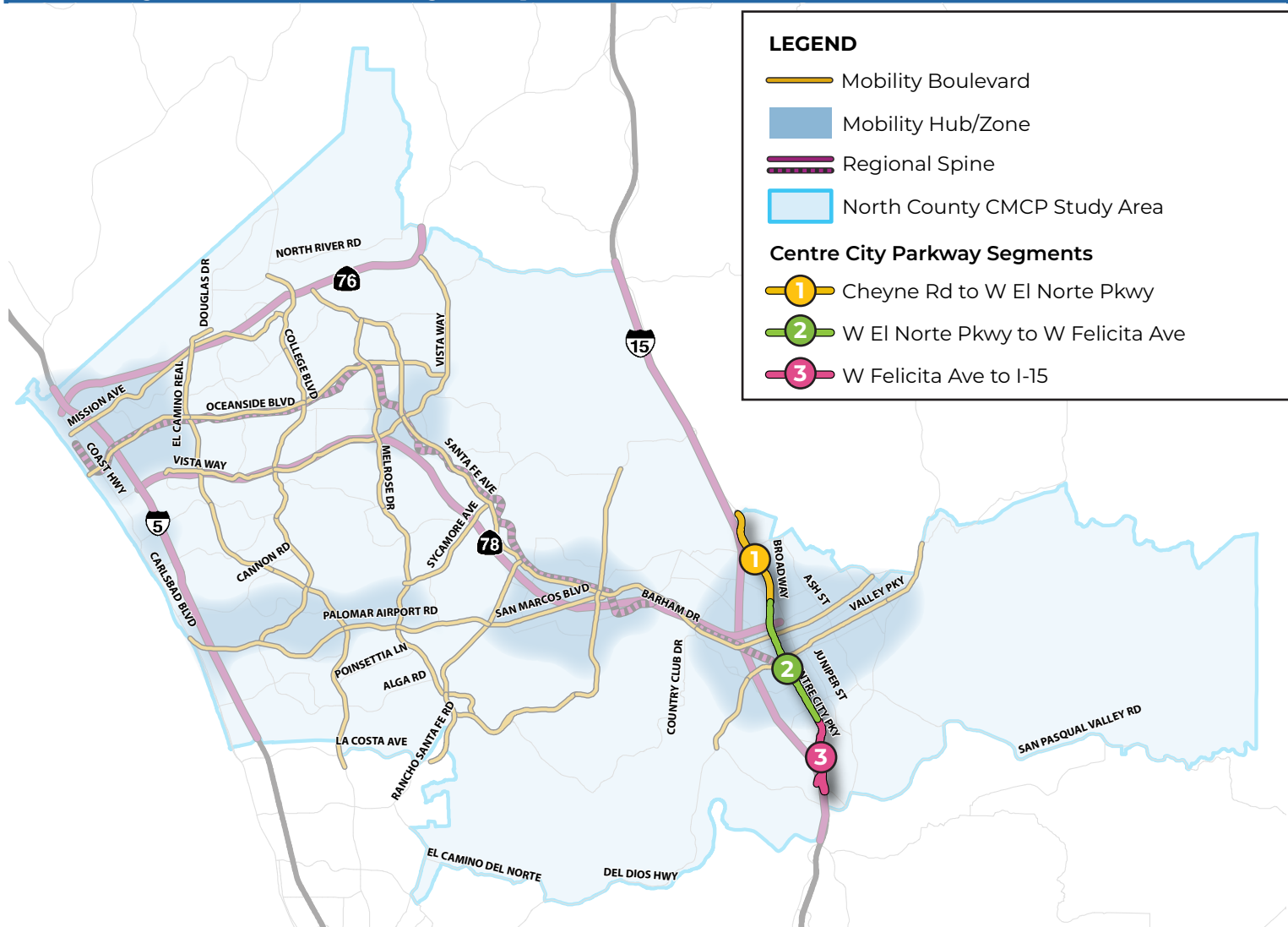
Valley Parkway

Highlighted Projects and Programs

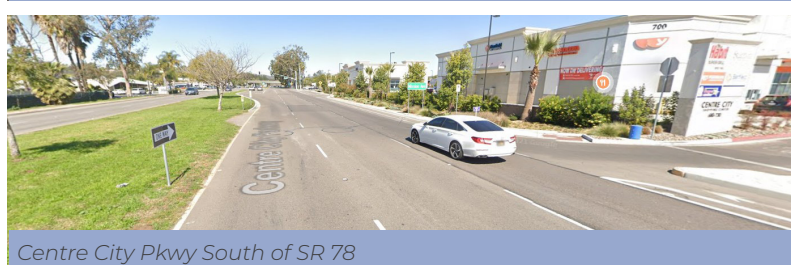
Program/Projects	Description	Primary Strategy	Mobility Hub	Regional Spine	Segment 1	Segment 2	Segment 3
SMART Intersections	32 smart intersections, one shared with other Mobility Boulevard		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Active Transportation	39 bike and/or pedestrian crossing improvements to increase active transportation safety		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Active Transportation	Proposed Mid-County Bikeway improvements from Rancho Santa Fe to Auto Park Way		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Transit	Proposed Intra-city shuttle service between Escondido Transit Center and Downtown Escondido		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Transit	Rapid 471 (Downtown Escondido to East Escondido)		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Transit	Planned NCTD local service to serve Downtown Escondido		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Underpass Improvements	Underpass improvements to improve community connection and safety along Valley Parkway and I-15		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NCTD Flex Service	Three planned FLEX Zones by NCTD that serve the Mobility Boulevard		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
TSMO	Establish corridor as a communication backbone with TSMO strategies		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Centre City Parkway

Mobility Boulevard Key Map



	Signals (#)	Length (Miles)
Segment 1: Cheyne Rd to W El Norte Pkwy	3	4.0
Segment 2: W El Norte Pkwy to W Felicita Ave	11	4.5
Segment 3: W Felicita Ave to I-15	1	4.4
Total	15	12.8



Related North County CMCP Strategies

Proposed Strategies

Strategy	Program/Project	Segment 1	Segment 2	Segment 3
SMART Arterials and Intersections	Flex Lanes	N/A		
	SMART Intersections	3	11	1
Active Transportation Network	Separated Facility	Class I (Planned)		
	Improved Pedestrian Crossing	1	9	2
High-Frequency Core, Rapid, and Commuter Services	SPRINTER	Extension South		
	Commuter Express	None		
	Flex Service/Local Service	Flex Service (up to 3 routes)		

STRATEGIC ANCHOR	MOBILITY HUB						REGIONAL SPINE					
	Oceanside	Carlsbad Village	Carlsbad Palomar	Vista	San Marcos	Escondido	I-5	SR 76	SR 78	I-15	SPRINTER	Inland Rail Trail
Segment 1	○	○	○	○	○	◐	○	○	○	●	○	○
Segment 2	○	○	○	○	○	●	○	○	●	○	○	○
Segment 3	○	○	○	○	○	◐	○	○	○	●	○	○

Symbol Key: ● Yes ◐ Partial ○ No

Centre City Parkway

Highlighted Projects and Programs

Program/Projects	Description	Primary Strategy	Mobility Hub	Regional Spine	Segment 1	Segment 2	Segment 3
SMART Intersections	15 smart intersections, two shared with other Mobility Boulevards		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Active Transportation	15 bike and/or pedestrian crossing improvements to increase active transportation safety		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Active Transportation	Provide enhanced bike facility along Mobility Boulevard		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SPRINTER Improvements	Proposed SPRINTER extension at 10-min frequency on SPRINTER by 2050, along W Valley Pkwy to Felicita Rd or Del Lago Station		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Transit	Proposed Express BRT along Centre City Pkwy from SR 78 to I-15		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overpass Improvements	Overpass improvements to improve community connection and safety from Centre City Pkwy to I-15		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Underpass Improvements	Underpass improvements to improve community connection and safety from Centre City Pkwy to I-15		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
NCTD Flex Service	Three planned FLEX Zones by NCTD that cross the Mobility Boulevard		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Crossing Improvements	Evaluate the need for pedestrian safety enhancements at intersections at W Felicita Ave, W 13th Ave, W 9th Ave, W 5th Ave, W 2nd Ave, W Grand Ave, W Valley Pkwy, W Washington Ave, W Mission Ave, Decatur Way, W El Norte		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
TSMO	Establish corridor as a communication backbone with TSMO strategies		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>