

Carlsbad TOMORR Growth Management Citizens Committee

Meeting 5 July 28, 2022





Call to Order & Roll Call





Approval of Minutes



Public Comment





Welcome & Introductions



COMMITTEE PURPOSE

Promote balanced consideration of a range of perspectives on issues affecting the future growth and quality of life in Carlsbad and identify the key elements of a new plan to manage growth in Carlsbad in a way that maintains an excellent quality of life while also complying with state law.

11 PERFORMANCE STANDARDS

- City Administrative Facilities
- Libraries
- Parks
- Drainage
- Circulation

- Fire Response
- Open Space
- Sewer Collection System
- Schools
- Water Distribution System
- Wastewater Treatment

COMMITTEE PROCESS



available for public review

TODAY'S AGENDA

Discussion Items

- Committee business
 - Fire performance standard
- SANDAG Presentation Population statistics and trends
- Committee business
 - "Committee housekeeping"
 - Circulation performance standard
- Committee member requests for future agenda items
- Public comment (continued if needed)
- Adjourn





1. Committee Business





Fire Performance Standard





FIRE PERFORMANCE STANDARD

No more than 1,500 dwelling units outside of a five-minute response time.



INTENT OF FIRE STANDARD



- Distribute fire stations based on response distance
- Consistent with best practices when standard established in 1986
- Allows up to 1,500 homes outside 5minute reach



FIRE STANDARD COMPLIANCE



 No more than 1,500 homes outside 5-minute response – today and planned buildout

Fire Station #	Homes outside 5 minutes at buildout
1,3&4	1,227
2	902
5	392
6	1,185



CONCERNS WITH CURRENT STANDARD

- Sole focus is on geographic location of stations
- Does not measure performance
- Does not factor in call volume or call saturation



OPTIONS AND CONSIDERATIONS

- Should Fire be included in Growth Management Plan?
- Adopt complete performance measures to aid deployment planning and to monitor performance
- Measures of time should be designed to:
 - Deliver outcomes that save patients when possible
 - Keep small serious fires from becoming more serious



MEDICAL EMERGENCIES & SMALL FIRES

Treat pre-hospital **medical emergencies** and control **small fires**:

- First-due unit should arrive within 7.5 minutes. 90% of the time from receipt of 9-1-1 call at fire dispatch
 - 90-second dispatch time
 - 2-minute company turnout time
 - 4-minute travel time

*Medical emergencies will be determined by the national dispatch criteria for determinant dispatching and will consist of "Echo" level calls.



MULTIPLE-UNIT EFFECTIVE RESPONSE FORCE

Multiple-Unit Effective Response Force should arrive within 11.5 minutes. 90% of the time from the receipt of the 9-1-1 call at fire dispatch to:

- Confine **building fires** near the room of origin
- Keep vegetation fires under five acres in size
- Extricate trapped victims within 30 minutes
- Treat multiple medical patients at a single incident



HAZARDOUS MATERIALS RESPONSE

The fundamental mission of the Department's **Haz-Mat** response is to isolate the hazard, deny entry into the hazard zone, and notify appropriate officials/resources to minimize impacts on the community.

- First-due unit should arrive within 7.5 minutes. 90% of the time from the receipt of the 9-1-1 call at fire dispatch.
- Provide initial hazard evaluation and/or mitigation actions
- Determination can be made whether to request additional resources from the regional hazardous materials team



TECHNICAL RESCUE RESPONSE

Respond to **technical rescue** emergencies as efficiently and effectively as possible with enough trained personnel to facilitate a successful rescue

- First-due total response time of 7.5 minutes. 90% of the time from the receipt of the 9-1-1 call at fire dispatch to:
 - Evaluate the situation and/or initiate rescue actions.
 - Assemble additional resources as needed within a total response time of 11.5 minutes. 90% of the time from the receipt of the 9-1-1 call at fire dispatch
 - Safely complete rescue/extrication and provide medical transport



DISCUSSION QUESTIONS

- Is this standard important to quality of life in Carlsbad?
- Should this standard be re-evaluated in any way?



2. Presentation: Population Stats and Trends



SANDAG

Regional Economic Update City of Carlsbad

Presented by Marcia Smith, Associate Economic Research Analyst July 28, 2022

San Diego Region Continued growth



Population

Annual growth rate is less than 0.5% for the region of 3.4 million. Peak of 3.6 million forecasted for 2055.

Jobs

Slowing growth of a diversified and balanced economy.

Housing

More than 10,000 homes were built in 2021 – a 15-year high but still well short of demand.

How Does Carlsbad Compare?



Population

- 115,585 persons (2022)¹
 3.5% of regional population
- 0.2% annual growth rate
 2016-2050²
- **120,313** forecasted for 2050²

Jobs

- **81,507** jobs (2020)² 4.7% of regional jobs
- 1.1% annual growth rate
 2016-2050²
- **103,979** forecasted for 2050²

Housing

- **47,734** units (2020)³ 3.9% of regional housing
- 0.4% annual growth rate
 2016-2050²
- **52,494** forecasted for 2050²

Source: ¹California Department of Finance; ²2010 Census, SANDAG 2020 Demographic and Socioeconomic Estimates, SANDAG Series 14 Regional Growth Forecast; ³2020 Census





Population

A Decade of Growth

Carlsbad Population 2010 and 2020 114,746 2020 Census **9% increase** 105,328 2010 Census 20,000 40,000 60,000 100,000 120,000 140,000 80,000 **Population**

Population Gains: Comparing Carlsbad





The Aging Population



Population Pyramids: Carlsbad 2010 and 2020



Source: 2010 Census, SANDAG 2020 Demographic and Socioeconomic Estimates

Population Forecast: Carlsbad 2020 and 2050



Source: SANDAG 2020 Demographic and Socioeconomic Estimates, SANDAG Series 14 Forecast

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Increasing Diversity



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Source: 2010 Census and 2020 Census

Higher Household Income

Carlsbad Households by Income Category

(2010\$, adjusted for Inflation)



2010 2020

Household Income: Comparing Carlsbad

Households by Income Category (2010\$, adjusted for Inflation)



Carlsbad
San Diego Region

Median Household Income: Comparing Carlsbad







Jobs


Carlsbad Jobs Forecast 2016-2050



SANDAG

SR 78 Corridor Employment Center

Forecast shows 35% job growth 2016-2050 as expansion in key industries continues.

2016: 293,209 jobs **2050:** 394,681 jobs



Source: SANDAG (2019, May). 78 Corridor employment center, Employment centers in the San Diego region: An analysis of where people live and work [Map 1].



Employment Trends: Comparing Carlsbad Jobs increase 35% from 2016 to 2050



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Forecast Summary: Carlsbad



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Housing

Meeting the Region's Housing and Climate Goals

171,685 new homes by 2029 20% GHG reduction by 2035



Sustainable Communities Strategy: Bringing Housing & Mobility Options Together



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Growth Forecast

San Diego Region



Series 94 Regigioala Boroxt/th Forecast 2996-2020



San Diego Region Growth Forecast Comparing growth



San Diego Region Growth Forecast Comparing growth

Series 14 Regional Growth Forecast 2016-2050 SCS Land Use Pattern

1 dot represents 10 housing units or jobs

- Housing Growth
- Job Growth

Open Space in 2050

MILES 0 3 6 9 12 0 4 8 12 16 KILOMETERS



Carlsbad Housing 2010, 2020 and 2050



Single Family* Multifamily Mobile Home and Other

Source: 2010 Census, SANDAG 2020 Demographic and Socioeconomic Estimates, SANDAG Series 14 Regional Growth Forecast *Note: Single family includes both attached and detached single-family homes

Residential Permits Issued



Source: Economic Research Bureau, Greater San Diego Chamber of Commerce, Forecast Bulletin Economic Indicators (1970-1992); Real Estate Research Council (RERC) of Southern California, Real Estate and Construction Report (1993-2019)

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Questions

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Email: marcia.smith@sandag.org





3. Committee Business





Committee Housekeeping Items





PUBLIC COMMENTS & INPUT

- City Hall location Aug. 16 City Council meeting
- Day-to-day management of the Senior Center
- Ponto Park
- Reservoir solar panels
- Village development





BROWN ACT REMINDER





SUBCOMMITTEES





PRIORITIZING POTENTIAL NEW TOPICS



PROJECT SCHEDULE

DATE/TIME POTENTIAL TOPICS

Aug. 25, 2022	Libraries, p	oarks and	open space
5 p.m.			

Sept. 22, 2022	Develop recommendations
5 p.m.	Provide recommendations on key elements and
	performance standards to include in new plan.

- Oct. 12, 2022 Develop recommendations
 - 5 p.m. Provide recommendations on key elements and performance standards to include in new plan.

 Dec. 15, 2022
 Review report with draft recommendations

 5 p.m.
 Review report summarizing committee recommendations.

PROJECT SCHEDULE

DATE/TIME POTENTIAL TOPICS

Jan. 26, 2023 5 p.m.	Finalize recommendations Finalize report summarizing committee recommendations.
Feb. 23, 2023 5 p.m.	Finalize recommendations Approve report summarizing committee recommendations.
March 2023	City Council presentation Committee recommendations presented to the City Council for consideration.



Circulation Performance Standard





OUTLINE

- Current Growth Management Plan
- How Roadway Improvements are Funded
- How Transportation Analysis has Changed
- Best Transportation Practices for Sustainable Growth
- Growth Management Plan Standards
 Discussion





Current Growth Management Plan



CURRENT GROWTH MANAGEMENT PLAN

Established in 1986

- Updated with the 1994 General Plan Update
- Updated with the 2015 General Plan Update

Main Goals

- Provide a framework growth should occur
- Ensure that new development pays its own way

2015 General Plan Update Set the GMP Circulation Standard

- Established a livable streets approach to mobility
- Emphasized a multi-modal approach to transportation
- Established a Complete Streets network within the city



GROWTH MANAGEMENT PLAN POLICY

Circulation – Implement a comprehensive livable streets network that serves all users of the system – vehicles, pedestrians, bicycles and public transit. Maintain LOS D or better for all prioritized modes of travel, as identified in the General Plan Mobility Element, excluding LOS exempt intersections and streets approved by the City Council.

CURRENT GENERAL PLAN POLICIES

- 3-P.3 Apply and update the city's multi-modal level of service (MMLOS) methodology and guidelines that reflect the core values of the Carlsbad Community Vision related to transportation and connectivity. Utilize the MMLOS methodology to evaluate impacts of individual development projects and amendments to the General Plan on the city's transportation system.
- 3-P.4 Implement the city's MMLOS methodology and maintain LOS D or better for each mode of travel for which the MMLOS standard is applicable, as identified in Table 3-1 and Figure 3-1.

LIVABLE STREETS

ACCOMMODATED MODES	SUBJECT TO MMLOS STANDARD (Y/N)
Freeways	
	Y
الارتفادية	Y
Arterial Streets	
	Y
M	N
	N
	Y

VS

ACCOMMODATED MODES	SUBJECT TO MMLOS
Village Streets	STANDARD (Y/N)
	N
15	×
N	
	Y
<u>میستیہ</u>	N

LIVABLE STREETS







CURRENT TRAFFIC TRENDS IN CARLSBAD

Historic Facilites Not Meeting LOS D Standards		2019				2020				2021				
		AM		PM		AM		PM		AM		PM		
		NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	
El Camino Real	City Limits	Marron Road	E	F	F	F	E	E	E	E	E	F	E	E
	Tamarack Avenue	Cannon Road	С	F	С	С	С	С	С	С	С	С	С	С
	Cannon Road	College Boulevard	С	F	F	В	В	В	С	В	С	В	С	В
	Aviara Parkway-Alga Road	La Costa Avenue	С	F	С	F	В	С	В	С	С	F	С	F
Melrose Drive	City Limits	Palomar Airport Road	С	F	С	E	С	D	С	D	С	F	С	E
Cannon Road El Camino Real	Avenida Encinas	Paseo Del Norte	F	E	E	F	D	D	D	D	D	D	E	E
	El Camino Real	College Boulevard	D	E	F	D	D	D	D	D	D	E	D	D
College Boulevard City Limits Aston Avenue	Carlsbad Village Drive	D	D	E	D	С	С	С	С	С	D	D	D	
	Palomar Airport Road	В	В	Α	F	А	В	А	В	Α	В	А	В	
Palomar Airport	Avenida Encinas	Paseo Del Norte	F	F	F	F	F	F	F	F	F	F	F	F
Road El Fuer	El Fuerte Street	Melrose Drive	С	F	F	С	В	С	С	В	С	С	С	С
La Costa Avenue	Piraeus Street	El Camino Real	В	F	С	В	В	В	В	В	В	С	В	С

HOW PEOPLE TRAVEL: TRAVEL MODE SPLIT



GENERAL PLAN POLICIES – GROWTH MANAGEMENT PLAN

- **3-P.5** Require developers to construct or pay their fair share toward improvements for all travel modes consistent with this Mobility Element, the Growth Management Plan, and specific impacts associated with their development.
- **3-P.9** Develop and maintain a list of street facilities where specified modes of travel are exempt from the LOS standard (LOS exempt street facilities), as approved by the City Council. To exempt vehicle mode of travel from LOS standard, the street facility must be identified as built-out by City Council because:
 - a. obtaining rights of way not feasible; or
 - b. proposed improvements significantly impact environment in an unacceptable way; or
 - c. proposed improvements result in unacceptable impacts to other community values or General Plan policies; or
 - d. proposed improvements require more than three through lanes in each direction

GENERAL PLAN POLICIES: GROWTH MANAGEMENT PLAN

- 3-P.11 Require new development that adds vehicle traffic to street facilities that are exempt from the vehicle LOS standard (consistent with 3-P.9) to implement:
 - Transportation Demand Management strategies that reduce the reliance on single-occupant automobile and assist in achieving the city's livable streets vision.
 - b. **Transportation Systems Management** strategies that improve traffic signal coordination and improve transit service.

HOW TO MANAGE TRAFFIC WITHOUT WIDENING ROADS



TRANSPORTATION DEMAND MANAGEMENT



Transportation Demand Management Handbook



August 21, 2019





The daily commute is changing fast. And we're the one-stop-shop to help you coast past the confusion. Click one of the buttons below to get started or check out the latest happenings in our <u>Seven Mile blog</u>.

For Employers

For Commuters

Commuter's Resource



E-bikes are emerging as a popular way of getting around Carlsbad. But just like learning to ride for the first time, you should know some of the basics of how and where to ride safely. Access this guide to E-bike road rules, made for you by the City of Carlsbad and the San Diego County Bike Coalition.

Access Resource


TYPES OF MEASURES

- Creating ridesharing services
- Offering flexible work schedules
- Providing amenities for alternative travel modes such as bike racks, lockers, showers, carpool parking, etc..
- Having dining, laundry, services at worksites
- Giving incentives for not commuting alone by car
- Encouraging use of public transit





TRANSPORTATION SYSTEMS MANAGEMENT

- Transportation system management strategies that improve traffic signal coordination, improve transit service, and access for all modes.
- Signal detection for vehicles, buses, bikes and pedestrians.
- City currently allows developments to purchase updated signal controllers as mitigation.





Questions?





How Roadway Improvements are Funded

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HOW ROADWAY IMPROVEMENTS ARE FUNDED

Grant Funding

- SANDAG's Active Transportation Grant Program and Smart Growth Incentive Program
- FHWA Highway Safety Improvement Program
- Caltrans sustainability grants

Developer Funding

- Direct mitigation and frontage improvements
- Transportation Impact Fees
- Regional Transportation Congestion Improvement Program Fees
- Other financing mechanisms, infrastructure districts, bridge thoroughfare districts...

Taxes

- TransNet (half-cent sales tax)
- Gas Tax

WHO IS RESPONSIBLE FOR THE TRANSPORTATION NETWORK



- Local roadways
- Traffic signals
- Sidewalks
- Multi-use trails
- Bicycle facilities
- On-street parking



- Regional Network
 Funding & Planning
- Transit planning
- Sustainable
 Communities
 Strategy



- Mainline freeways
- Freeway over/under Passes
- Ramp meters
- Traffic signals at ramps
- Managed lanes
- Park & Ride facilities



- Bus operations
- The COASTER
- Rail right-of-way operation and maintenance
- Transit station amenities
- Flexible fleets



Questions?





How Transportation Analysis has Changed

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HOW TRANSPORTATION ANALYSIS HAS CHANGED



CALIFORNIA SENATE BILL 743



Required jurisdictions to adopt VMT based CEQA Thresholds by July 1, 2020

Disallowed LOS-based CEQA thresholds for land development projects

WHAT IS VEHICLE MILES TRAVELED



2 Trips

3 Vehicle Miles Traveled

WHY VEHICLE MILES TRAVELED





HOW ARE IMPACTS DETERMINED



HOW ARE IMPACTS DETERMINED

Average VMT/Person in the Region

85% of the VMT/Person in the Region

What the project is allowed to generate

Impact

Mitigate



IMPACTS OF ROADWAY INFRASTRUCTURE PROJECTS

New Standard:

Roadway infrastructure projects that induce vehicular travel demand are considered to have a VMT related impact.

No Impact

- Pedestrian Facility Improvements
- Bicycle Facilities
- Multi-Use Trails
- Transit Only Facilities
- HOV Facilities
- Non-Capacity Enhancing Safety Improvements
- Roadway Extensions that Will Create a Shorter Trip Length and Reduce the Over All VMT

Now Creates An Impact

- Improvements that Improve Travel Time
 - Capacity Enhancing Roadway Projects
 - Additional Turn-Lanes at Intersections
- Improvements that Result in Additional Trips
 - Roadway Extensions to Accommodate New Development
 - Roadway Improvements that Incentivize
 People to Drive Further

HOW DO YOU MITIGATE FOR VMT

Transportation Demand Management







HOW DO YOU MITIGATE FOR VMT

Implement Multi-Modal Infrastructure





Questions?





Best Practices



BEST PRACTICES

- Plan for growth in areas where the transportation network can accommodate it
- Provide a diversity of land uses
- Develop a system of mobility hubs
- Provide infrastructure that allow travelers to have options
- Plan for multi-modal connectivity
- Utilize fee programs to require development to pay their fair-share and mitigate their impacts



























ALADOW RID

Table A.14: Mobility Hubs and Flexible Fleets

Mobility Hubs and Flexible Fleets

Project ID	Year Built	Category	Project Name	Description	Cost (\$2020) Millions
мні	2025	Mobility Hubs	Mobility Hub Amenities	Mobility hub amenities including secure micromobility parking and e-charging, interactive travel kiosks, EV charging infrastructure, passenger loading zones, parcel delivery lockers, and carshare parking	\$152
MH2	2035	Mobility Hubs	Mobility Hub Amenities	Mobility hub amenities including secure micromobility parking and e-charging, interactive travel kiosks, EV charging infrastructure, passenger loading zones, parcel delivery lockers, and	\$247
MH3	2050	Mobility Hubs	Mobility Hub Amenities	Mobility hub amenities incluster interactive travel kiosks, EV parcel delivery lockers, and compared parcel	\$285
MHLA2	2035	Mobility Hubs	Other Mobility Hub Land Acquisition	Land acquisition for additional future mobility hub anchor stations	\$66
CCSI1	2035	Mobility Hubs	Complete Streets Improvements	Complete streets improvements within mobility hubs such as pedestrian, micromobility, and other traffic calming treatments that complement the Adopted Regional Bike Network	\$1,857
CCSI2	2050	Mobility Hubs	Complete Streets Improvements	Complete streets improvements within mobility hubs such as pedestrian, micromobility, and other traffic calming treatments that complement the Adopted Regional Bike Network	\$619





HAVE GROWTH PAY THEIR FAIR-SHARE VIA FEE PROGRAMS







Questions?





The Future of Growth Management Plan Standards Discussion

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FUTURE GROWTH PROJECTIONS FOR TRIPS IN CARLSBAD

- With the recent state law changes, like SB9 and SB10, the future residential units going up
- With the increase in units will be increase in vehicle trips and demand
- Under current vehicle LOS standards, the city will experience future roadway deficiencies


PRESENT TRENDS





Seasonally adjusted data are modeled by the Bureau of Transportation Statistics, Office of the Assistant Secretary for Research and Technology, U.S. Department of Transportation. See http://www.transportation.Sea http://www.transtats.bts.gov/OSEA/SeasonalAdjustment/ for additional seasonally adjusted travel data and information.



PRESENT TRENDS

Source: NCTD Internal Financial Information





PRESENT TRENDS



VMT: GOOD VS. BAD?





https://sdforward.com/ mobility-planning/2021regional-plan



STATUS OF REGIONAL PLAN

SANDAG

Board of Directors

July 8, 2022

Item: 8

Potential Update to the 2021 Regional Plan

Overview

At its December 10, 2021, meeting, after adoption of the 2021 Regional Plan, the Board of Directors directed staff to immediately begin evaluation of a potential update to the 2021 Regional Plan for Board consideration, including evaluating alternatives to the regional road usage charge (RUC) program, staying with our values, upholding equity and other mechanisms that reduce pollution faster. This report summarizes preliminary modeling results and the work plan for updating the 2021 Regional Plan for the Board's consideration.

Key Considerations

Updating the 2021 Regional Plan to remove the regional RUC¹ is considered a substantial change that would impact estimated revenues, phasing of projects and their costs, greenhouse gas (GHG) emissions, air quality analysis, performance metrics, and social equity analysis.

Action: Discussion/Possible Action

Staff will present preliminary modeling results and the work plan for updating the 2021 Regional Plan for the Board of Directors' consideration.

Fiscal Impact:

1.01

The update of the 2021 Regional Plan and Environmental Impact Report (EIR) may require additional funding in FY 2023. The FY 2023 Overall Work Program (OWP) includes a contingency fund that can be used to advance urgent, high priority needs per Board Policy No. 030. Pending board direction, staff may return to request funding from the OWP contingency fund.

Schedule/Scope Impact:

The update to the 2021 Regional Plan and EIR could begin immediately following board approval.

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- December 10, 2021, meeting, after adoption of the 2021 Regional Plan, the Board of Directors directed staff to immediately begin evaluation of a potential update
- July 8, 2022, Board of Directors approve a revision with schedule estimated through 2025

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CONCLUSIONS AND FUTURE CONSIDERATIONS

San Diego County Regional Transportation Commission TransNet Extension Ordinance: 10-Year Look-Back



January 2018 | Revised March 2018
SJOBERGENMSHENK
455 Capitel M1* data Trick 1111 CL 111C
455 Capitel M1* data Trick 1111 CL 111C

- Given how technology changed the transportation landscape over the last decade, SANDAG must continually reevaluate whether the portfolio of projects remaining to be completed are the best mix for achieving congestion relief and the other goals of the TransNet Program. >>>
- Regardless, if autonomous vehicles become commonplace, SANDAG must be nimble in its decisions on the design, operation, and supply of roadways, public transit, and active demand traffic management practices and employ planning efforts that avoid building expensive infrastructure that may soon become obsolete.

CONSIDERATIONS FOR TRANSNET MOVING FORWARD



Figure 2-2.5b: Manchester Avenue DAR

Selected PWP/TREP Multi-Modal Project (Alternative 18)

 Double Track LOSSAN, Enhanced Regional Transit Service, and Four Buffer-Separated Express Lanes



CONSIDERATIONS FOR TRANSNET MOVING FORWARD



Selected PWP/TREP Multi-Modal Project (Alternative 18)

 Double Track LOSSAN, Enhanced Regional Transit Service, and Four Buffer-Separated Express Lanes





CONSIDERATIONS FOR TRANSNET MOVING FORWARD

Flexible public transit fleets on managed lanes:

- Microtransit: On-demand transit, ebikes, future mobility technology (wheels)
- Shared transportation options
- Flexible, compact, affordable, shared and provide direct access to destination



CONSIDERATIONS FOR TRANSNET MOVING FORWARD



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CONSIDERATIONS FOR TRANSNET MOVING FORWARD

Future updates to the Regional Plan:

- Considering trends over the last 7 years, review model assumptions predicting increased transit ridership
- Consider increasing budget for Complete Corridors, Flexible Fleets and Active Transportation
- Future changes to Extension Ordinance or Expenditure Plan reviewed by City/County Technical Advisory Committee (CTAC) or Mobility Working Group and ITOC





PRESENT TRAVEL MODE CHOICES: TRAVEL TIME EXAMPLE

- TRIP START: Carlsbad Village
- TRIP END: Sorrento Valley
 Employment Center

PRESENT TRAVEL MODE CHOICES

Carlsbad Village to Sorrento Valley Employment Center

Travel Mode	Travel Time	Average Speed	Trip Legs
Drive (SOV)	32 min.	44 MPH	Walk, Drive, Park, Walk
Rideshare	42 min.	34 MPH	Walk, Rideshare, Walk
Transit (COASTER)	2 hr. 19 min.	10 MPH	Walk, Rideshare, Train, Rideshare, Walk
Bike	2 hr. 8 min.	11 MPH	Bike, walk
E-Bike	1 hr. 13 min.	20 MPH	E-Bike, walk

FLEXIBLE FLEET SERVICES



Micromobility Low-speed devices

Ridehail & Carshare On-demand vehicles

Rideshare

Shared rides

Microtransit

On-demand shuttles

Last Mile Delivery

Ground and aerial package delivery

Beep Electric Mobility Hub Network

beep

NOUYO

Globalvia San Diego's NextGen Managed Lanes Network





Circulation – Implement a comprehensive livable streets network that serves all users of the system – vehicles, pedestrians, bicycles and public transit. Maintain LOS D or better for all prioritized modes of travel, as identified in the General Plan Mobility Element, excluding LOS exempt intersections and streets approved by the City Council.



POSSIBLE UPDATES

- Should we implement policies that allow the city to provide faster, fairer, cleaner, and safer mobility options?
- Should we remove LOS standards for monitoring purposes and focus on improving citywide connectivity?





Questions?





DISCUSSION QUESTIONS

- Is this standard important to quality of life in Carlsbad?
- Should this standard be re-evaluated in any way?



Committee Member Requests for Future Agenda Items



Public Comment





Adjournment Next Meeting: Aug. 25, 2022

