



SOUTH ORANGE COUNTY

MULTIMODAL TRANSPORTATION STUDY

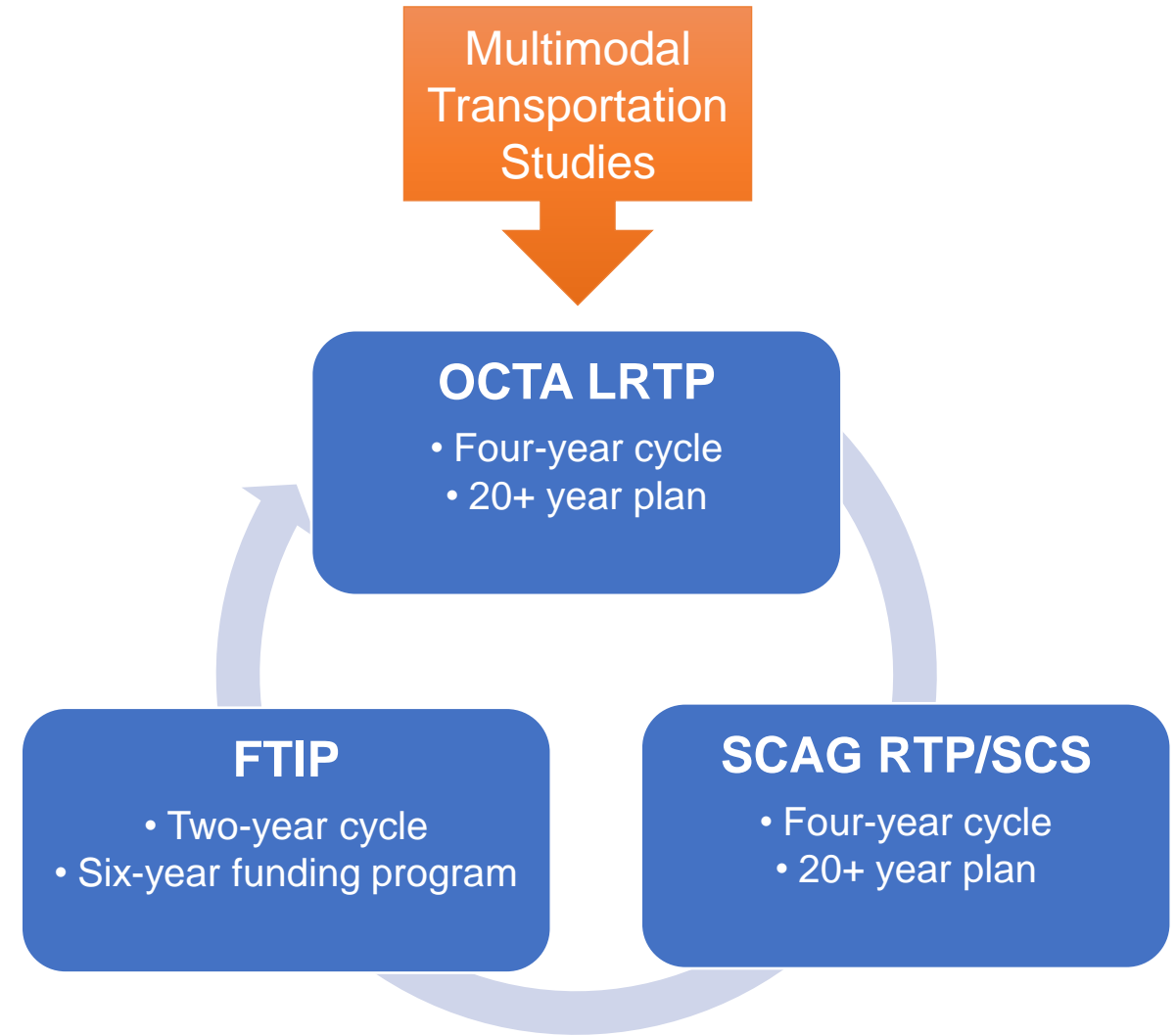
July 20, 2021

Citizens Advisory Committee



Purpose of Multimodal Transportation Studies

- Public and stakeholder engagement
- Financially unconstrained vision to address long-term transportation system needs
- Consider recommendations in financially constrained planning and programming documents



Study Objectives

- Update to the 2008 South Orange County Major Investment Study
- Reflect progress and latest planning assumptions
- Identify long-term mobility needs and challenges through 2045 and beyond
- Develop consensus on a multimodal transportation system vision
- Provide direction to develop focused strategies and project-level studies



Study Scope Highlights

Phase 1

- Identify Issues and Opportunities
- Develop Purpose and Need Statement
- Develop Initial Alternative Strategies

2020



Phase 2

- Screening Alternative Strategies
- Select Reduced Set of Alternative Strategies



Phase 3

- Analysis of Reduced Set
- Recommend a Locally Preferred Strategy

2021

Transportation Issues and Opportunities



Highways, Toll Roads, and Arterials

Weekday, weekend, and seasonal congestion | Low travel-time reliability (unexpected delays) | Critical bottlenecks on Interstate 5 and Interstate 405 | Dependence on high traffic volume streets



Transit

Limited transit accessibility related to low-density, single-family housing development patterns | Infrequent service, inconsistent reliability | Less convenient than driving (wait times, transfers)



Active Transportation

Gaps in the active transportation network (missing sidewalks, bike lanes and paths) | Low usage due to winding road network, long trip distances | Safety concerns for pedestrians and bicyclists



Transportation Demand Management

High level of long-distance, peak-period commute trips to north Orange County and other counties (especially Los Angeles and San Diego counties) | Low transit mode share in south Orange County

Purpose and Need Statement

Make public transit, bicycling, and walking more convenient and accessible

Increase availability of transit, and biking and walking infrastructure | Provide convenient connections between travel modes (ex. transit and biking) | Coordinate with land-use development

Decrease the overall number of (vehicle) trips made each day

Reduce overall travel demand | Enhance transportation safety and efficiency | Better utilize available freeway lanes, carpool lanes (High Occupancy Vehicle lanes), and street space

Protect the environment and preserve transportation infrastructure

Increase zero-emission vehicles | Improve access to clean, affordable travel options | Preserve transportation infrastructure from natural disasters | Minimize adverse environmental impacts

Adapt to new transportation technologies and services

Consider autonomous vehicles or electric charging infrastructure | Pursue proven technologies | Support equity and innovation | Support telework strategies

Strategies

Broad range of strategies under evaluation to address Purpose and Need



Active transportation



"Complete" freeways



Mobility-as-a-Service



Mobility hubs



New arterial capacity



Optimize existing capacity



Pricing



Increase transit appeal



Support sustainable technology

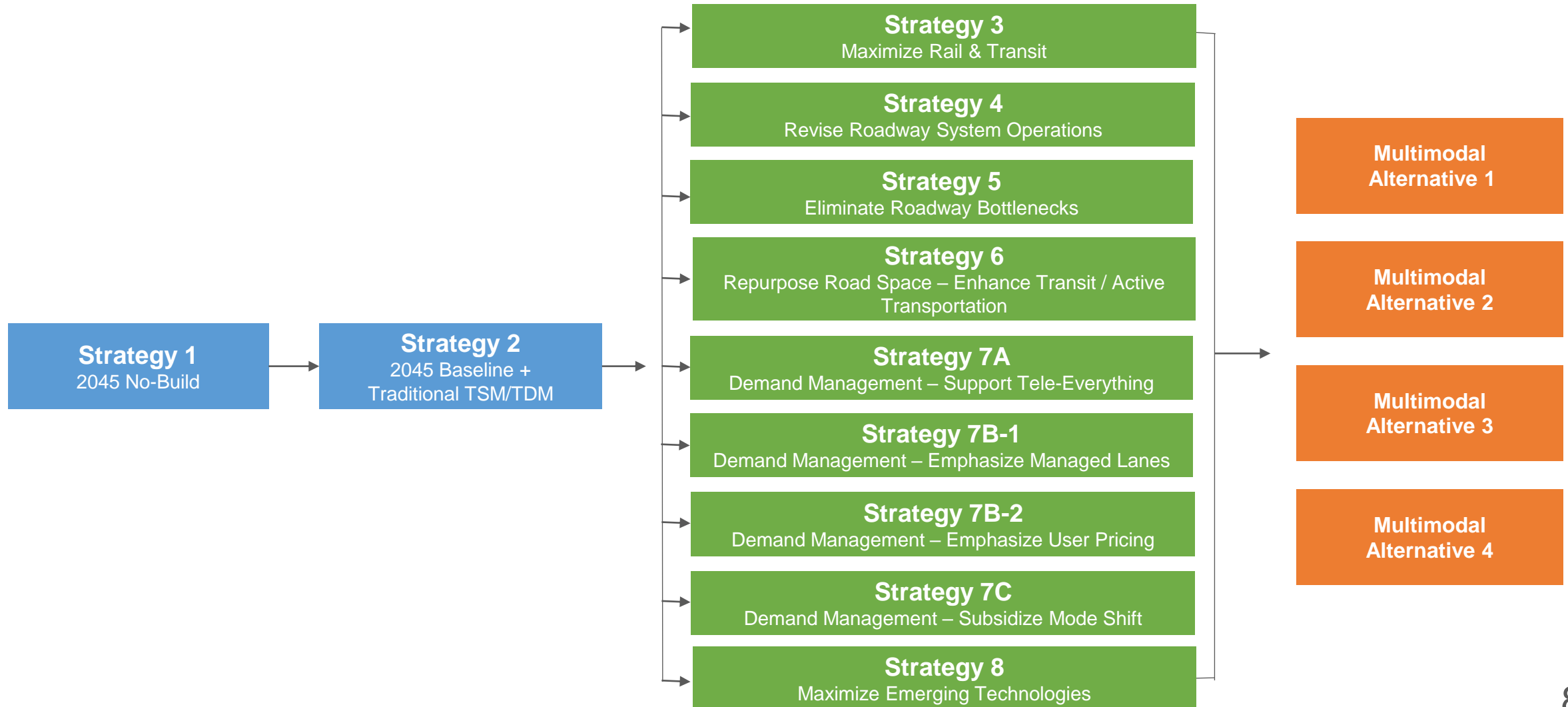


Manage transportation demand

Framework for Evaluating Strategies

INITIAL SCREENING

DETAILED EVALUATION



Public Engagement

Summer Outreach Campaign Concluded

- More than 1,700 surveys collected
- Up to 350 Telephone Town Hall attendees
- Nearly 3,000 web views
- More than 530 geofencing ad clicks

Final Outreach Phase in Fall 2021

- Public feedback on draft multimodal alternatives
- Online survey
- Public webinar
- Digital media
- Multilingual outreach



Public Engagement











3 What is important to you? ? ? »

SET YOUR BUDGET

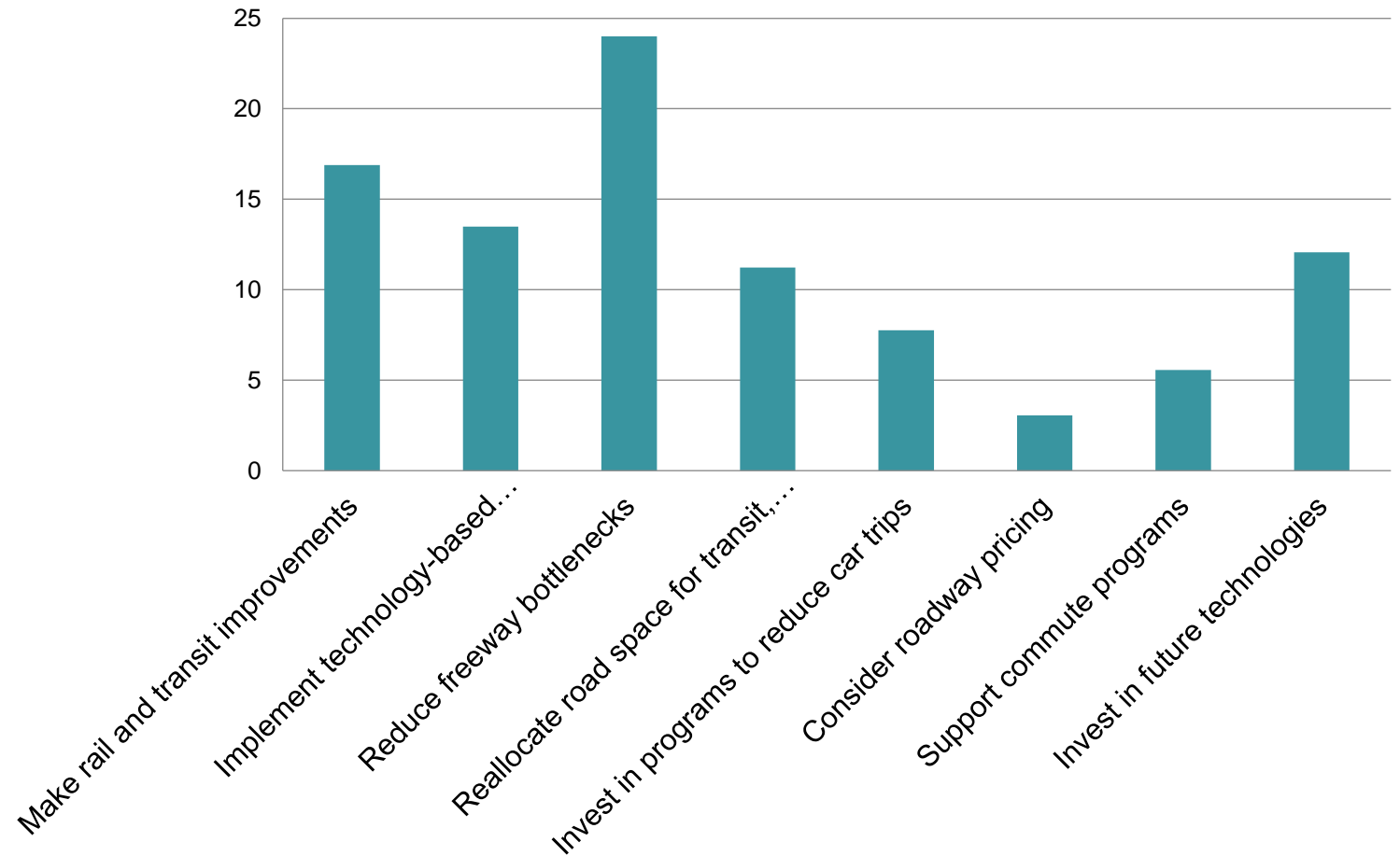
Funding is limited. If you had \$100 to spend, what transportation strategies would you spend it on?

Click on the information icon buttons to learn more.

Drag the tokens to invest in the strategies you prefer.

 10	 90	1 Make rail and transit improvements  0	1 Implement technology-based improvements  0	1 Reduce freeway bottlenecks  0	1 Reallocate road space for transit, walking, biking, etc.  0
		1 Invest in programs to reduce car trips  0	1 Consider roadway pricing  0	1 Support commute programs  0	1 Invest in future technologies  0

Average Allocation of Budget



Next Steps

- Review initial strategy performance
- Engage with the public, stakeholders, and partner agencies on development of a reduced set of multimodal alternatives
- Complete study by end of 2021

