



SOUTH ORANGE COUNTY

MULTIMODAL TRANSPORTATION STUDY

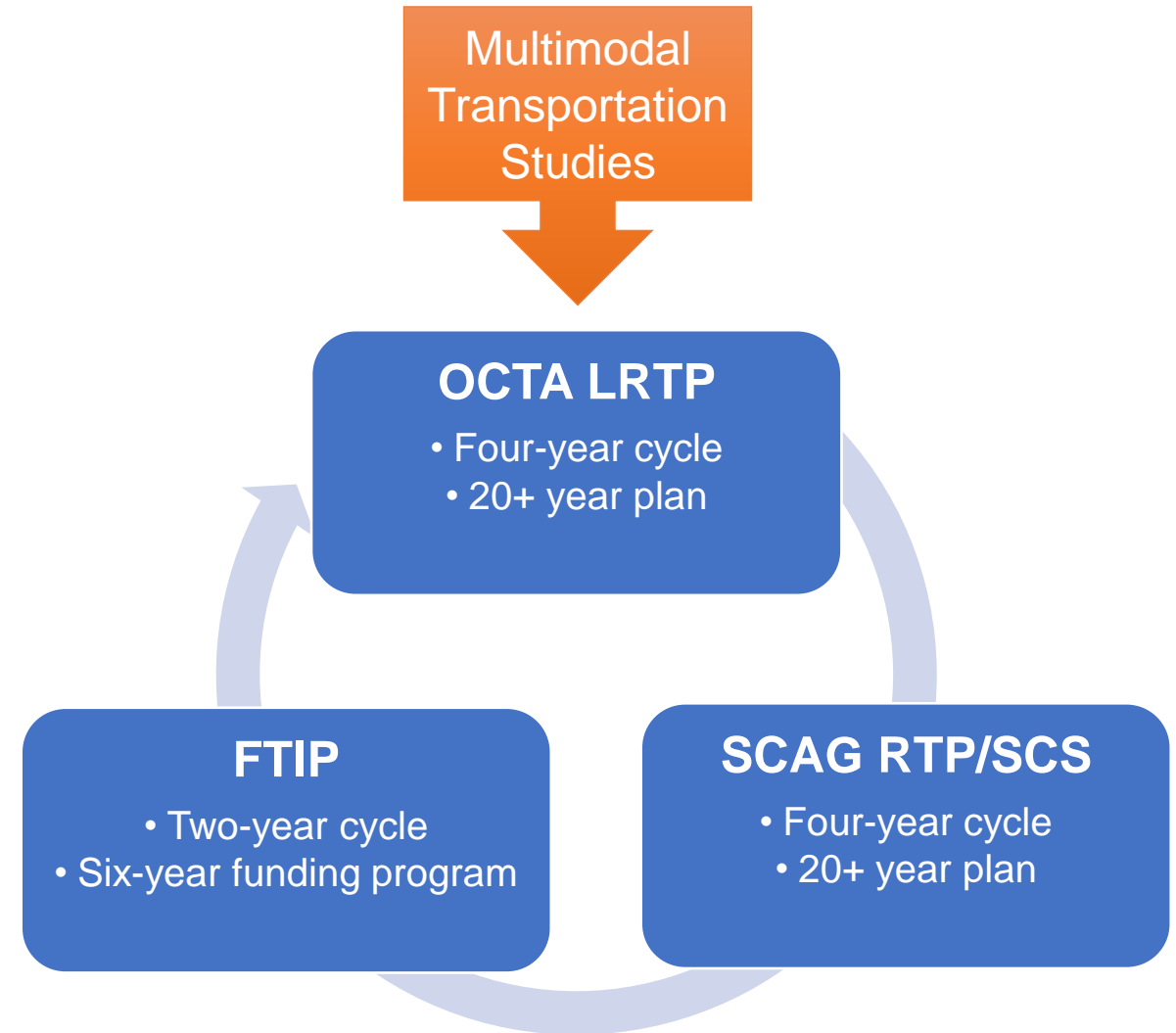
April 19, 2022

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

- Identify long-term mobility needs and challenges through 2045 and beyond
- Conduct robust public and stakeholder engagement
- Develop consensus on a multimodal transportation system vision
- Provide direction to develop focused strategies and project-level studies



Study Scope Highlights

We are here



Phase 1

- Identify Issues and Opportunities
- Develop Purpose and Need Statement
- Develop Initial Multimodal Solutions



Phase 2

- Screen Initial Multimodal Solutions
- Select Reduced Set of Multimodal Solutions



Phase 3

- Analyze Reduced Set of Multimodal Solutions
- Recommend a Locally Preferred Strategy

Purpose & Need Statement

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

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

Decrease the overall number of 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

Multimodal Solutions



Relieve Freeway Bottlenecks



Improve Carpool Lane Operations



Improve Roadway Operations



High Frequency Transit



Local Circulators/Shuttles

Multimodal Solutions (continued)



Street Capacity for Active Transportation and Neighborhood Electric Vehicles



Mobility Hubs



On-Demand Microtransit Service (OC Flex)



Travel Demand Management (TDM)

slido



**Join at slido.com
#OCTA**

ⓘ Start presenting to display the joining instructions on this slide.

slido



Which multimodal solutions are most important to you? Pick two.

ⓘ Start presenting to display the poll results on this slide.

Evaluation Process

Review performance of Multimodal Vision Alternatives against the Purpose and Need Statement

STEP 1

Set targets for Purpose and Need Statement

STEP 2

Do Alternatives meet the targets?

STEP 3

Multimodal Vision Alternatives

Yes

No

What multimodal solutions could be added to meet the targets?

Performance Targets

Caltrans' California Transportation Plan (CTP) 2050, SCAG's Connect SoCal 2020 (2020 RTP/SCS), and OCTA's LRTP were referenced as guides for establishing potential targets for benefits to be derived from implementation of the Study's recommendations.

| Quantitative Performance Measures | Potential Targets (based on CTP, SCAG RTP/SCS, OCTA LRTP) |
|---|---|
| Delay per capita | -14% from existing condition |
| GHG emissions reduction | -32% from existing condition |
| VMT reduction per capita | -8% from existing condition |
| Non-SOV (carpool, transit, bike, walk) mode share | +5% from existing condition |

Preliminary Equity Analysis

- Identified areas in South Orange County with higher mobility needs based on the following indicators:
 - Low income
 - Zero car
 - Single-parent households
 - Disability population
 - Senior population
 - Communities of color
 - Limited English proficiency
- Next steps for the equity analysis: high-level assessment of how well the Multimodal Vision Alternatives address mobility and accessibility in the equity focus areas

slido



**Join at slido.com
#OCTA**

ⓘ Start presenting to display the joining instructions on this slide.

slido



Which of the following would most likely encourage you to choose a non-car travel option? Pick top choice.

ⓘ Start presenting to display the poll results on this slide.

Public Engagement

Completed Phase 3 on 4/15:

- Online survey
- Digital media
- Postcards to disadvantaged communities
- Multilingual helpline
- Virtual meeting room
- Virtual stakeholder and electeds roundtables and public webinar



Next Steps

- Review performance of Multimodal Vision Alternatives against the Purpose and Need Statement
- Engage with the public, stakeholders, and partner agencies to identify a locally preferred strategy
- Complete study by August 2022

