

DESTINATION 2035



Orange County Transportation Authority Draft Long-Range Transportation Plan (LRTP)

Why Does OCTA Prepare an LRTP?

The purpose of the LRTP is to set a transportation vision for the next 25 years in Orange County. The vision will:

Address transportation needs as the county grows

- Updated about every 4 years to meet new projections for population, employment, economic conditions and new regulations.

Provide input to other major planning efforts

- Feeds into other federal, state, regional and local governments transportation plans including: Regional Transportation Plan, Federal Transportation Improvement Program, Orange County Sustainable Communities Strategy.

Meeting the Needs - Challenges

The LRTP addresses future transportation challenges and provides strategies and solutions for growing and changing travel demands.



Orange County is the third most populous county in California and sixth in the country with population, employment and housing expected to grow over next 25 years.



Without additional improvements, Orange County's transportation system performance will decline due to growing congestion and unmet travel needs.



Air quality, water quality and loss of open space are issues of growing concern.

L RTP Goals and Objectives

The L RTP goals build off the vision of the voter-approved Measure M1 and M2. Goals identified include:

Expand Transportation Choices by:

- Expanding travel options across modes including transit, driving, bicycling, walking and ridesharing
- Improving connectivity to/from employment centers and regional destinations
- Expanding multimodal integration (use of multiple forms of transportation)

Improve Transportation Performance by:

- Reducing congestion on freeways and arterials
- Improving travel times for all forms of transportation
- Raising level of service (more effective transit service, signal timing, and freeway operations)

Work Toward Environmental and Fiscal Sustainability by:

- Promoting alternative modes and trip avoidance
- Reducing air pollution
- Preventing and treating run-off (debris that travels to the ocean)
- Supporting timely maintenance

By 2035: Rail Transit

OCTA is implementing the Metrolink Service Expansion Program (MSEP) and coordinating with the state on the California High Speed Rail project. Consistent with these efforts, the LRTP proposes the following:

- ❑ Increase Metrolink service between Laguna Niguel and Los Angeles to up to 30 minute headways
- ❑ Include Go Local rail feeders to increase Metrolink accessibility. (Go Local program offers extensions to Metrolink, including bus/shuttle and fixed-guideway projects.)
- ❑ Construct bridges at key road/rail crossings
- ❑ Enhance stations to meet current and future needs
- ❑ Support connections to CA High Speed Rail System
- ❑ Test bike sharing programs at key Metrolink stations



By 2035: Bus and Express Bus

The bus transit strategy identifies broad objectives for prioritizing improvements to meet future demand as effectively and efficiently as possible. The LRTP proposes the following:

- Add approximately 400,000 hours of bus service, a 25% service increase that includes:
 - Go Local bus/shuttle services
 - Bus Rapid Transit (three routes)
 - local service in high-demand corridors
- Express bus service – study routes to expand transportation choices for longer distance commuters
- Double the size of the Vanpool program, from about 300 to 600 vanpools



By 2035: Freeways

The objective of the freeway vision is to ensure access to a well performing freeway network that meets future travel demand, supports a variety of travel modes such as express bus service and vanpools and is sustainable for future generations. The LRTP proposes the following:

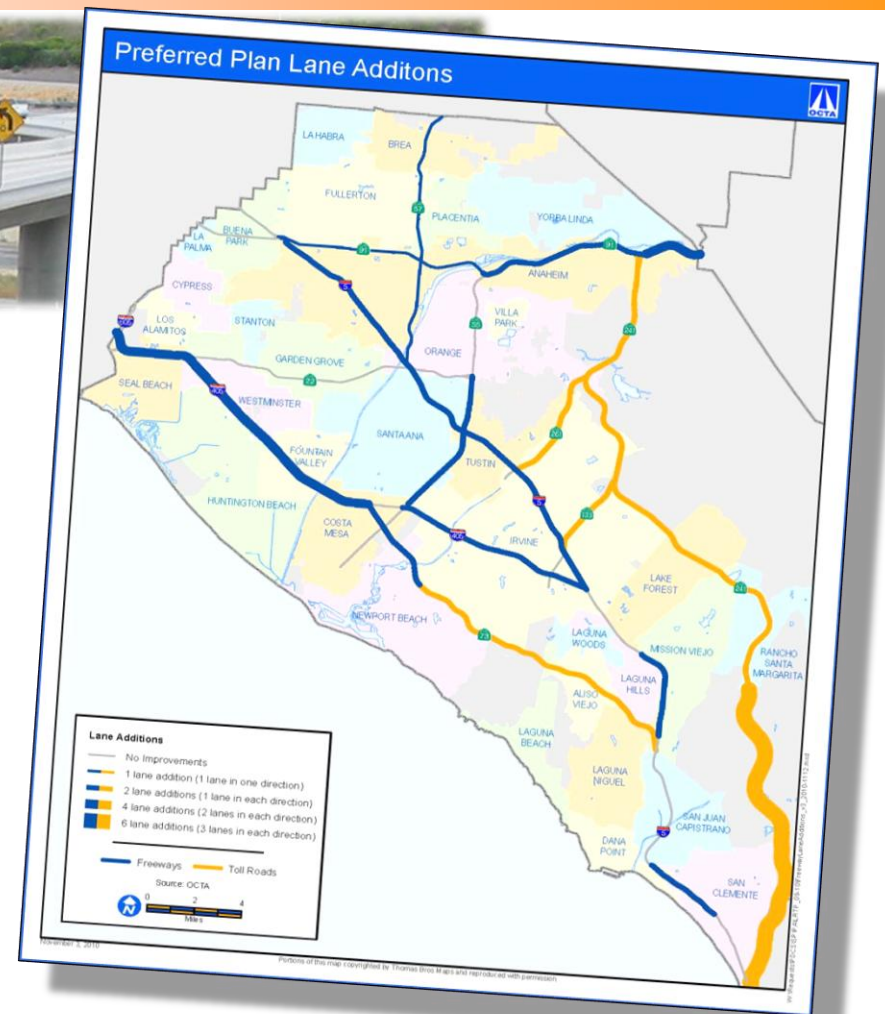
- ❑ Add approximately 414 lane miles to OC's existing 1665 miles of carpool, toll, and general purpose freeway systems
- ❑ Target improvements on heavily congested corridors including:
 - San Diego Fwy (I-405)
 - Santa Ana Fwy (I-5)
 - Riverside Fwy (SR-91)
 - Costa Mesa Fwy (SR-55)
 - Orange Fwy (SR-57)



By 2035: Freeway cont.



- ❑ Improve toll facilities to relieve congestion on the I-5 and SR-55
- ❑ Interchange improvement at key locations throughout Orange County
- ❑ Implement continuous access for carpool lanes to improve safety and operation*



*Continuous carpool access on all carpool lanes except where barrier separation is required for safety purposes.

By 2035: Bikeways

Bikeways expansion will offer new commuting opportunities. Bicycles can be used as a sole mode of transportation or as a complement to bus and rail travel. The LRTP proposes the following:

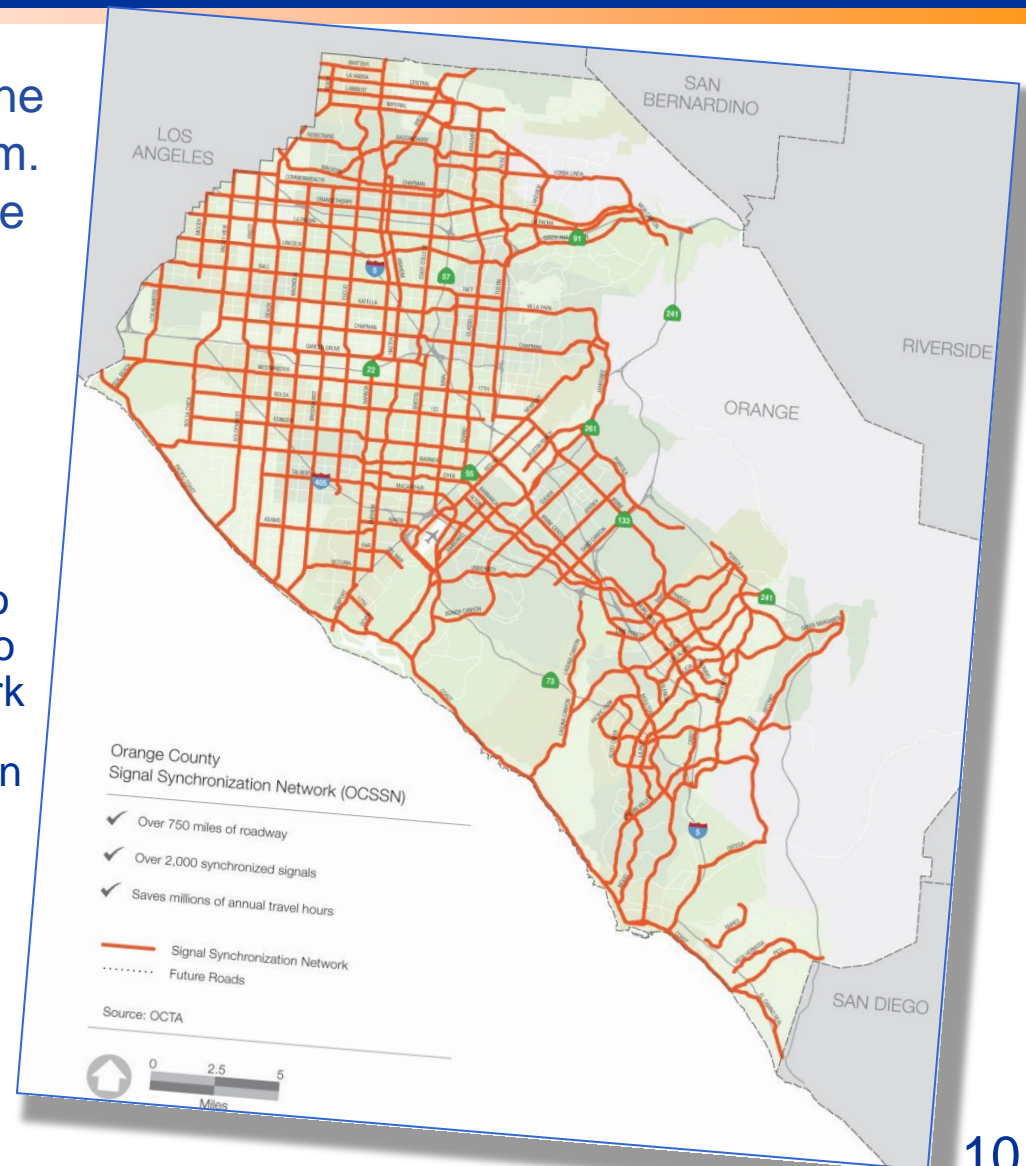
- ❑ Coordinate with local jurisdictions to add approximately 750 miles of bikeways to the existing 1000 mile network
- ❑ Test bike sharing programs at key Metrolink stations
- ❑ Work with local jurisdictions to plan additional bikeways, and to preserve and maintain existing bikeways



By 2035: Streets & Roads

Streets and Roads form the backbone of the County's transportation system. This infrastructure provides everyone access to the freeway network, the OCTA bus system and connects residents with jobs, schools and services. The LRTP proposes the following:

- ❑ Coordinate with local jurisdictions to add approximately 800 lane miles to the existing 6200 mile street network
- ❑ Implement signal synchronization on a 750-mile network with over 2000 intersections



By 2035: Environment

Environmental concerns will be addressed through two proactive programs funded by Measure M2.

- ❑ Implement the M2 Environmental Cleanup Allocation Program to address freeway and street water-runoff
- ❑ Invest 5% of the total M2 freeway dollars in the protection of open space within Orange County

In addition, the LRTP will provide the transportation network for the Orange County Sustainable Communities Strategy, which identifies strategies for reducing greenhouse gas emissions.

- ❑ Coordinate the LRTP transportation system with land use agencies to reduce greenhouse gas emissions



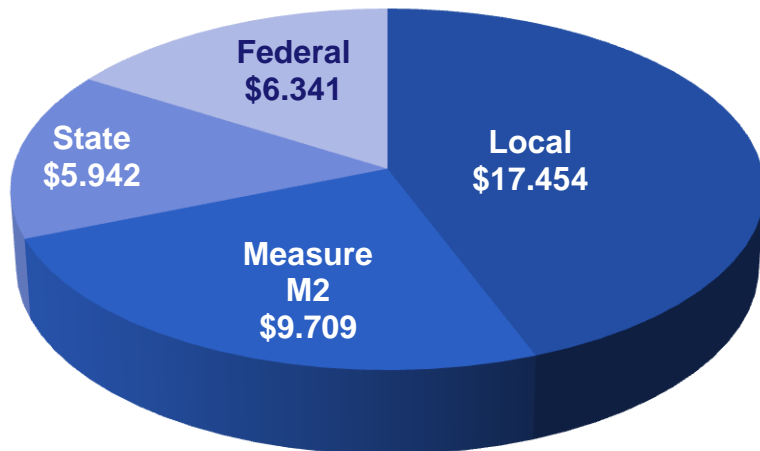
Financial Forecast

Funding for projects included in the LRTP will be provided through local, state, and federal sources.

A major source of funding is the voter approved 30-year extension of Measure M, M2 will provide \$9.7 billion in funds over the next 25 years for OC's transportation system.

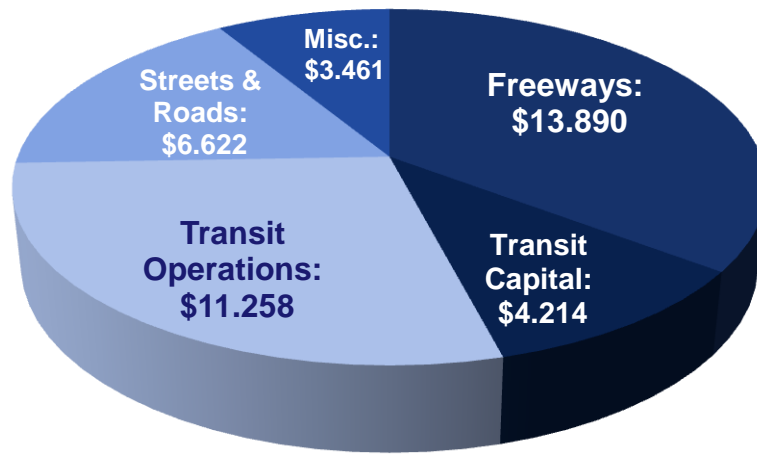


LRTP Revenues
Total = \$39.4 billion
(to 2035)



(In billions)

LRTP Expenditures



(In billions)

L RTP Results

Computer models were used to estimate the impact of the Preferred Plan projects over the 2035 Baseline projects. The Preferred Plan achieves positive results, but OCTA will continue searching for additional efficiencies and funding sources that will help provide further improvements to Orange County's transportation system.

Performance Measure	2035 Baseline	2035 Preferred Plan
Daily vehicle hours traveled	3.4 million	Reduced by 24 percent
Daily hours of delay due to congestion	1.5 million	Reduced by 56 percent
Average peak period freeway speed (AM)	29 miles per hour	Increased by 22 percent
Average peak period high-occupancy vehicle speed (AM)	35 miles per hour	Increased by 24 percent
Average peak period roadway speed (AM)	13 miles per hour	Increased by 82 percent
Daily transit trips	144,000	Increased by 11 percent

- The 2035 Baseline generally includes projects that are currently programmed for funding in the Federal Transportation Improvement Program
- The Preferred Plan includes priority projects that can be funded based on the LRTP's \$39.4 billion revenue forecast (including the 2035 Baseline projects)