



# 2016 2040 RTPSCS

## MODELING TASK FORCE

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# Outline for Today's Presentation

- RTP/SCS Overview
  - What is an RTP/SCS?
  - Why do we need an RTP/SCS?
- Challenges & Opportunities
  - What are the emerging demographic trends that will affect our future transportation and housing choices?
  - Status of system preservation and transportation finance?
- 2016 RTP/SCS
  - What are the key strategies and guiding principles?
  - What is the schedule to adopt the 2016 RTP/SCS?

# What is an RTP/SCS?

- Represents the long-term vision to address regional transportation and land use challenges and opportunities
- Includes a corresponding investment framework
- Federal Requirements
  - Must be updated every 4 years to maintain eligibility for federal funding
  - Must be long-range: 20+ years into the future
  - Must be financially-constrained: Revenues = Costs
  - Must pass regional emission standards (Conformity)
- State Requirements
  - Must meet SB 375 requirements (address GHG reductions)

# What is included in the RTP/SCS?

- **Vision, policies, and performance measures:** Contains an overarching vision, policies, a list of regional transportation goals, and measures for evaluating our performance in achieving those goals.
- **Forecasts:** Future distribution of population, households, employment, land use, and housing needs.
- **Financial plan:** Identifies reasonable expected revenues over the 25-year plan horizon.
- **List of projects:** Includes projects that are anticipated to be initiated and/or completed by 2040.
- **Analysis of the following focus areas:** active transportation, aviation, environmental justice, goods movement, highways & arterials, land use, open space, farm and natural lands conservation, passenger rail and transit, public health, transportation demand management, transportation safety and security.

# Bottom Up Planning Process

**Local Jurisdictions**

**County  
Transportation  
Commissions**

**Other Stakeholders**

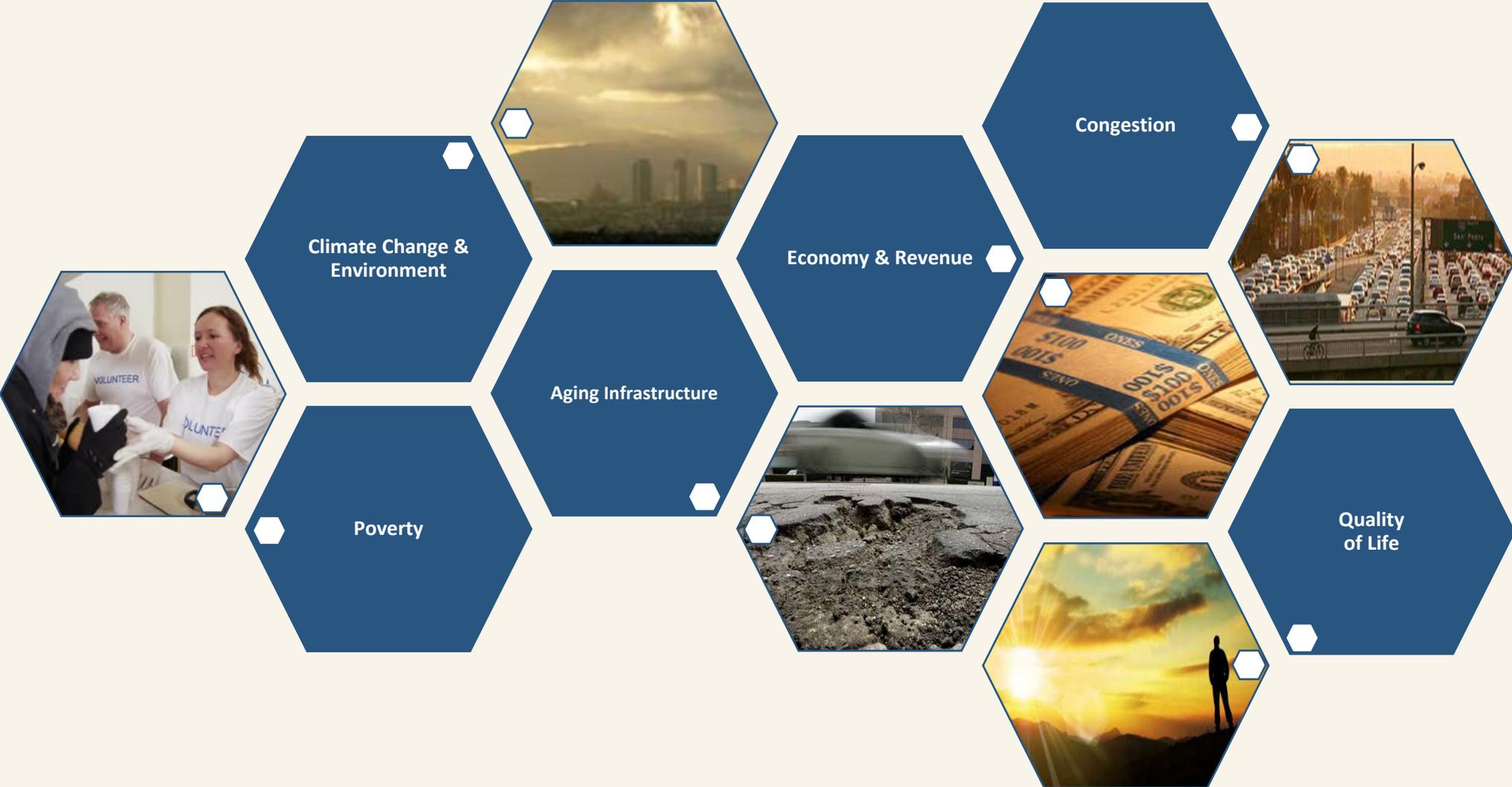


Provide input to develop forecasts of future land use, population, household and employment growth & draft scenarios

Submit updated transportation projects for inclusion in RTP/SCS

Provide input on specific topic areas such as active transportation strategies, public health, open space and environmental justice

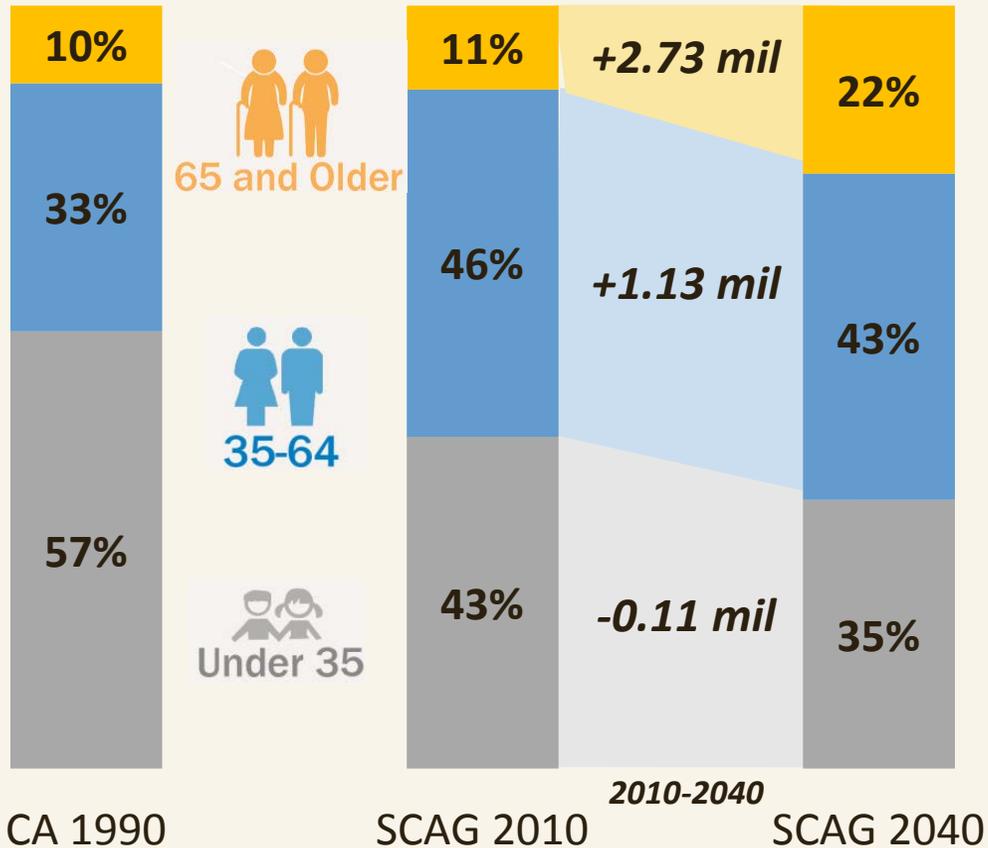
# Regional Challenges



# Anticipated Southern California Growth

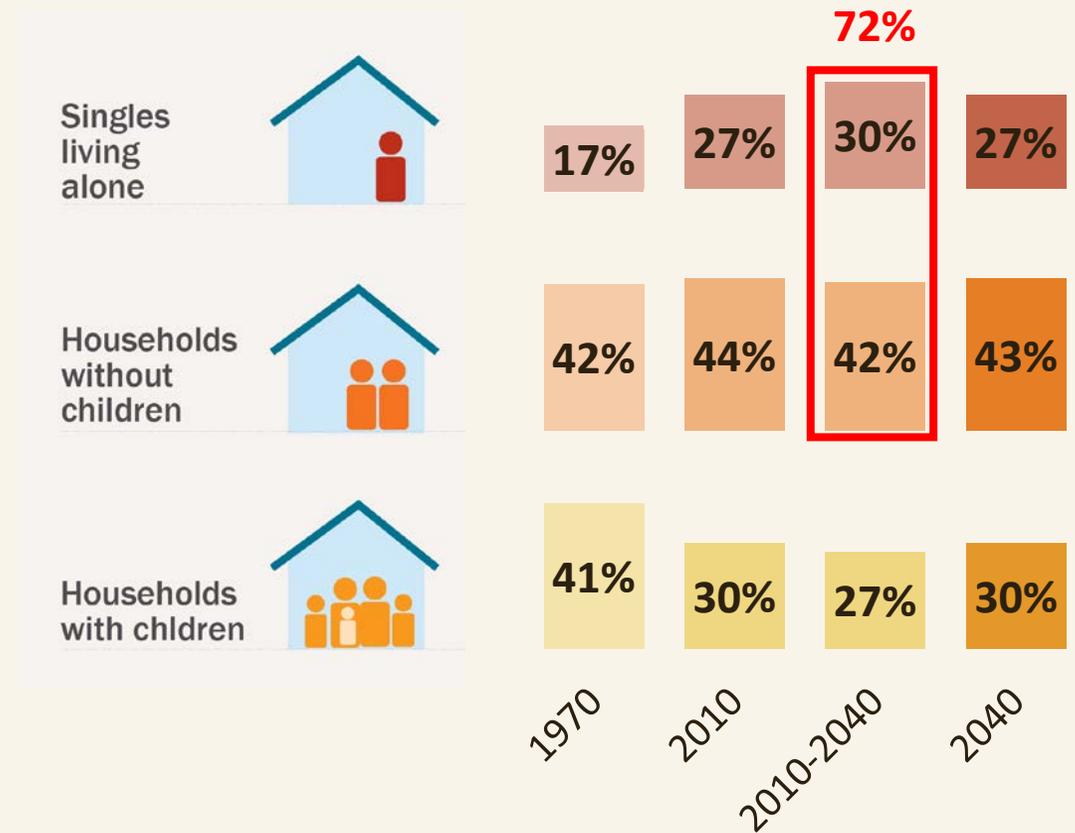
Changing Age and Household Types

Growth to 2040: **3.75 million people, 1.53 million households**



Current & Future Population by Age Group

Source: CA Department of Finance, 2014



Current & Future Population by Household Type

Source: US Census Bureau, American Community Survey 2012

# What about the Millennials?

- Rapid adoption of new communication technologies
- Travel fewer miles and make fewer trips
- Less interested in car and house ownership
- Rapidly adopting to the “shared” economy
- Favor towards low-travel urban lifestyles with emphasis on walking, cycling, ride-sharing and transit

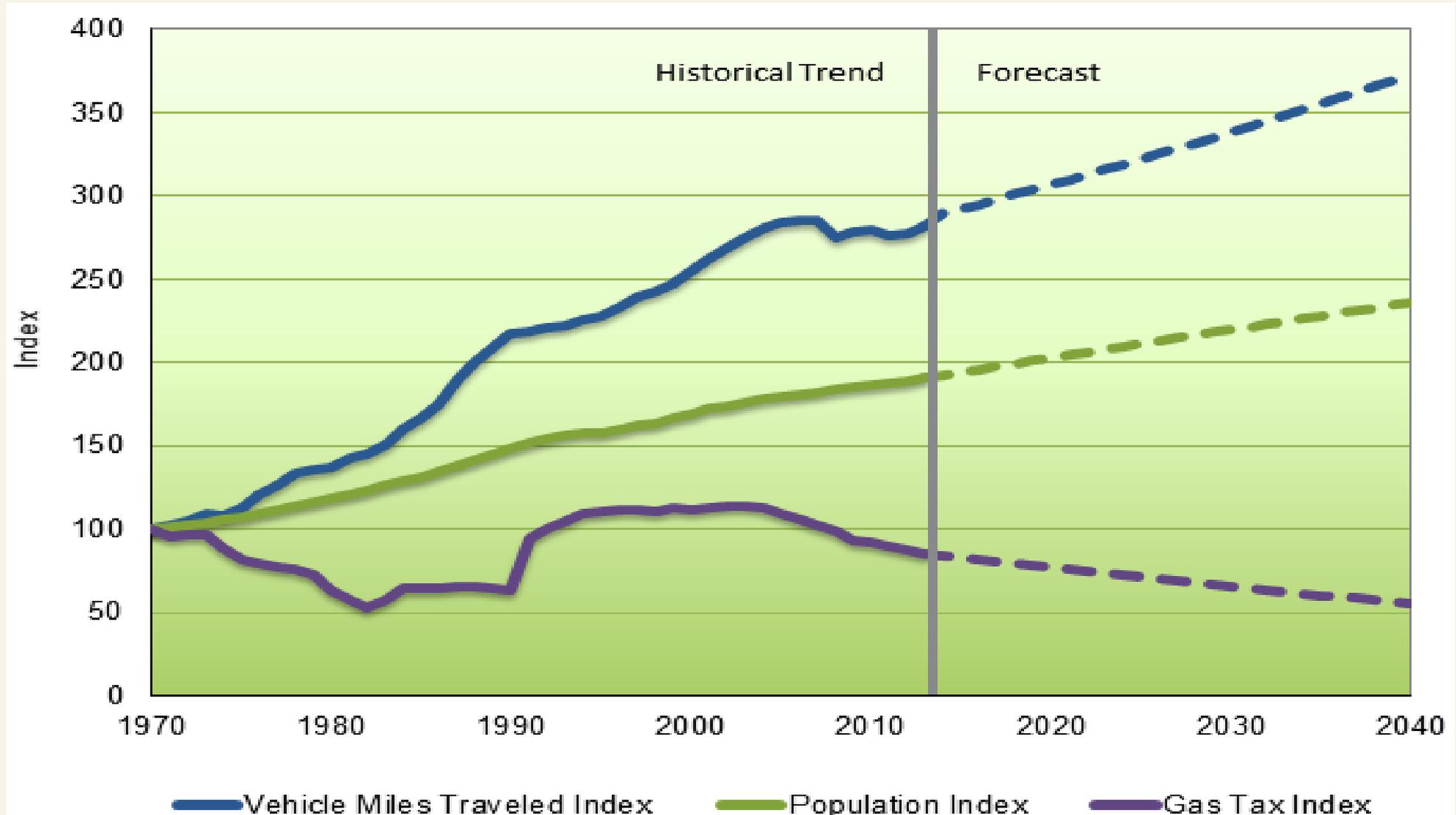


# Implications of Changing Demographics

- Increased demand for housing choices in central cities and mixed communities with shopping, health services, church, and transportation options
- Surplus of large-lot homes and increased demand for small lot homes
- Increased demand for health care and social services
- Downward pressure on tax revenues
- Changing transportation preferences

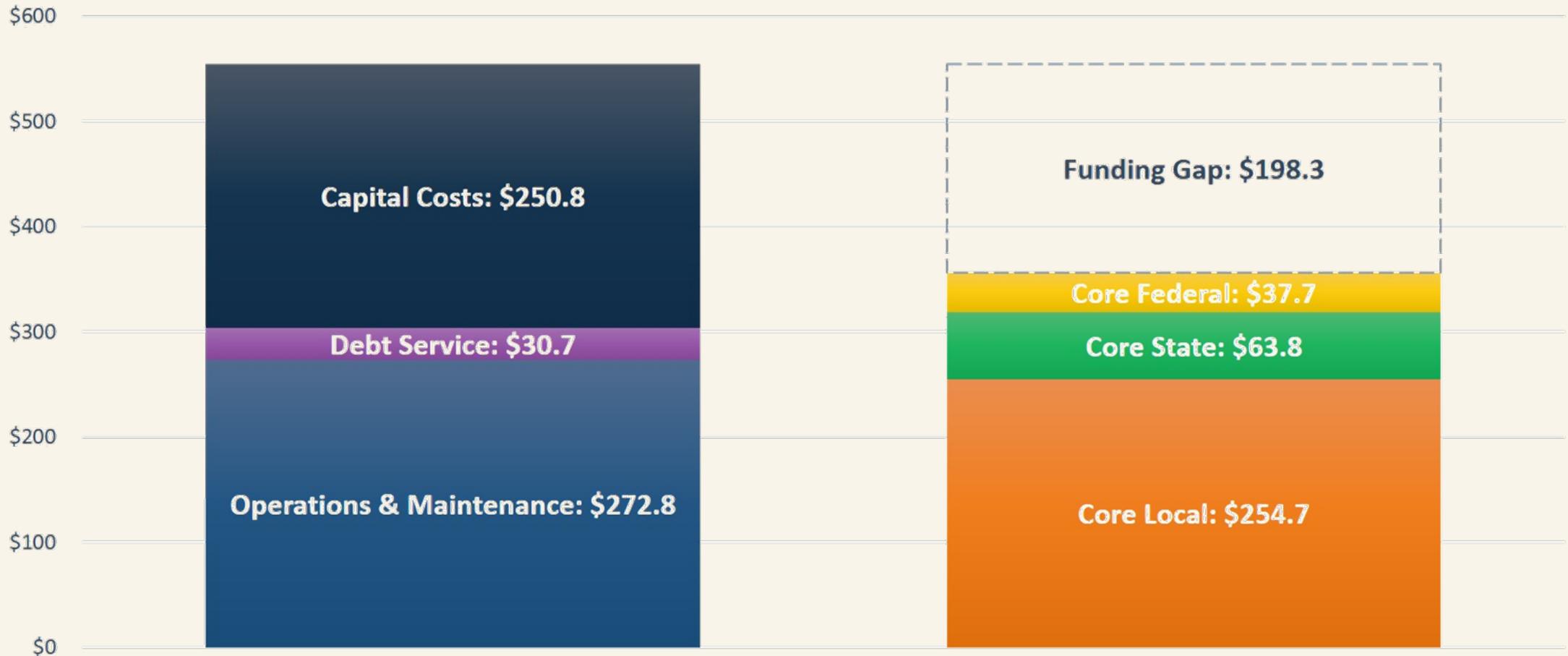


# Gas Tax Revenue Has Not Kept Pace with VMT and Population



# Insufficient Core Revenues to Meet System Needs

Total SCAG Region System Needs: \$554.4 Billion (in Nominal Dollars)



# 2016 RTP/SCS: Strategies, Opportunities, & Emerging Trends



# What should we expect in the 2016 RTP/SCS?

Support for:

- System preservation
- Investments that will improve system productivity
- Projects that are already underway and those identified in the RTP/SCS
- New projects that will close gaps in the system and/or improve access where it is currently inadequate
- Focus on addressing non-recurring congestion with new technology
- Complete Street opportunities
- Regional HOT Lane network
- Identifying sustainable forms of transportation funding

# Emphasis on System Preservation

- 2012 RTP/SCS allocated \$77B for O&M
- Plan to maintain and preserve our existing State Highway System and supporting infrastructure
- “Fix-it-First” perspective as a priority for the region
- Deferred maintenance will lead to increased costs

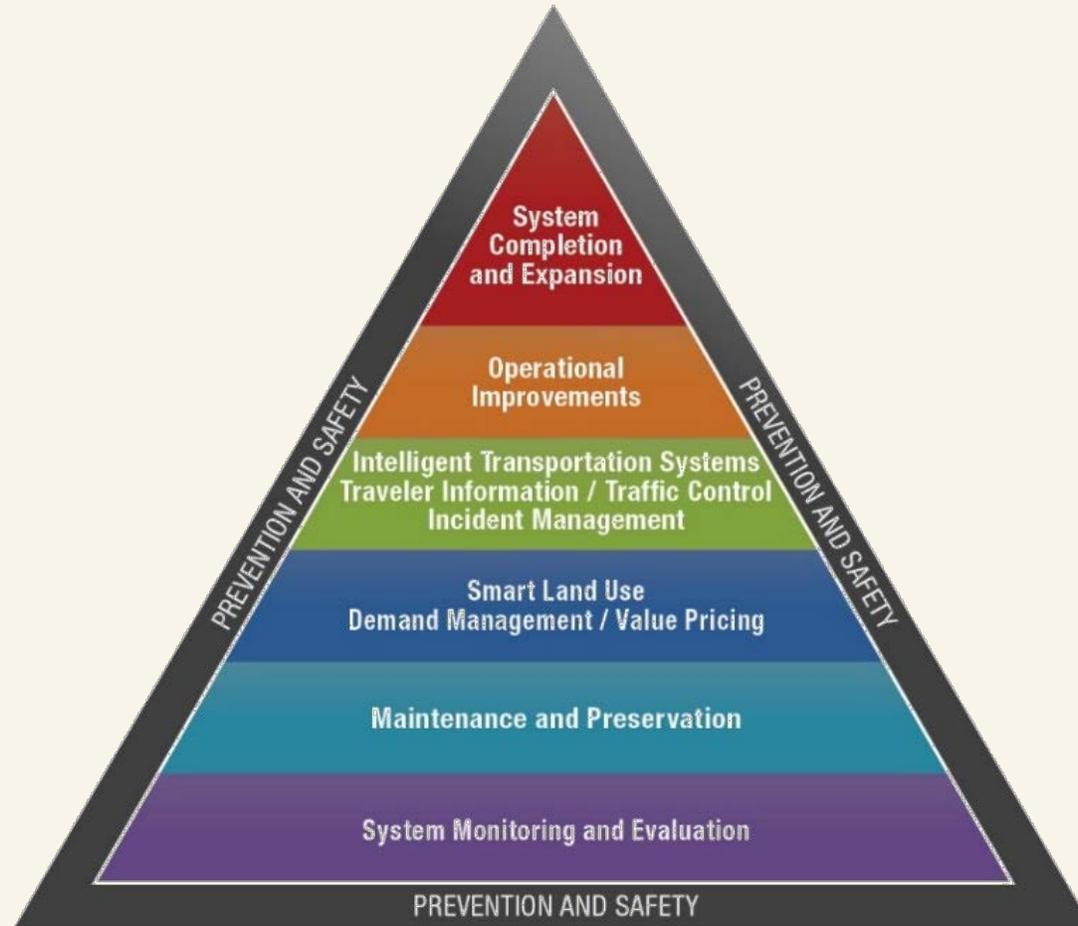


# Highway and Arterials - Guiding Principles

- Protect and Preserve what we have – Fix it First, including the consideration of life cycle costs beyond construction
- Support new funding for system preservation
- Focus on achieving maximum productivity through system management and demand management
- Focus on adding capacity primarily (but not exclusively) to:
  - close gaps in the system
  - improve access where needed
- Support policies and system improvements that will encourage seamless operation of our roadway network from user perspective
- Any new roadway capacity project must be developed with consideration and incorporation of congestion management strategies, including demand management measures, operational improvements, transit, and ITS, where feasible

# Highway Element Philosophy

## System Management Pyramid



Transportation Investments Have More Impact If Built On This Foundation

# Transit and Passenger Rail Strategies

- **Build upon 2012 RTP/SCS** transit and passenger rail projects/strategies and implementation progress to date
- Incorporate regional planning efforts and latest project information
  - Updated high quality transit corridors (e.g., Metro Strategic Bus Network, Riverside Transit Agency Comprehensive Operational Analysis)
  - Local decisions on project alternatives (e.g., Airport Metro Connector, OC Streetcar)
  - CA HSR Southern California MOU Projects
  - Metrolink Strategic Assessment
  - LOSSAN Strategic Implementation Plan



# Goods Movement Projects and Strategies

## Goods Movement Investments

Over \$70 Billion

- East-West Freight Corridor
- Port access
- Freight rail capacity
- Grade separations
- Truck bottleneck projects
- Intermodal facilities
- Emission reduction strategies



# 2016 RTP/SCS Emerging Trends & Opportunities

## Transportation Technologies



- Neighborhood Electric Vehicles (NEVs)
- Urban Mobility Platforms
- eBikes
- Car/Bike Sharing
- Travel Planning Apps
- Connected Vehicle Technologies
- Semi-automated drive modes
- Adaptive Cruise Control
- Lane centering
- Fully Autonomous Vehicles

# 2016 RTP/SCS Progress To Date

- County Transportation Commission (CTC) Input Process
  - Project list input for inclusion as part of 2016 RTP/SCS
  - Completed: November 2014 – January 2015
- PEIR Notice of Preparation (NOP)
  - 30-day public review and comment period, from March 9 to April 7, to obtain input on the scope and content of the environmental information that will be evaluated in the Draft PEIR for the 2016 RTP/SCS.
  - Hosted two public scoping meetings
  - Completed: April 2015
- 2016 RTP/SCS Workshops
  - A total of 23 public workshops were conducted through out the six county SCAG region
  - Completed: June 2015

# 2016 RTP/SCS Timeline

- Regular & Special Regional Council/Policy Committees Meetings and Workshops (June – December 2015)
- Draft 2016 RTP/SCS & PEIR Release (Winter 2015)
- Public Comments/Elected Officials Briefings/Public Hearings (Winter 2015)
- Final Adoption of the 2016 RTP/SCS & PEIR (April 2016)
- Federal Highway Administration and Federal Transit Administration Conformity Determination (June 2016)



Thank you !

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