Statewide Transportation System Needs Assessment

Presentation to
California Transportation Commission
March 24, 2011

Purpose of Study

"To develop a coordinated list of transportation projects and programs and related funding requirements that will allow local, state and regional transportation agencies to present a consistent message when communicating California's transportation system preservation, expansion, management, maintenance and operations needs."

Transportation System Categories

- State Highways:
  - Managed Lanes
  - General Purpose Lanes
- Local Roads
- Public Transit
- Inter-city Passenger Rail
- Freight Rail
- High Speed Rail
- Seaports
- Airports
- Land Ports
- Major Intermodal Facilities
- Tribal Lands
- Bicycle and Pedestrian Projects

Contents of Report

- Introduction
- Ten Year Needs Assessment:
  - System Expansion Costs
  - System Management Costs
  - System Preservation Costs
  - Maintenance and Operations Costs
  - Overall Revenues
- Illustrative Projects
- Performance Analysis
- Policy Analysis
- Recommendations

Performance Measures

SMART MOBILITY 2010 GOALS	CATEGORIES	PERFORMANCE MEASURES
Robust Economy	Employment	Increase in jobs
Robust Economy	Economic Output	Value added to Gross State Product
Reliable Mobility	Multi-modal Travel Mobility	Change in average per-trip travel time
Reliable Mobility	Asset Condition	Conformance with accepted standards for maintaining system in good state of repair
Environmental Stewardship	Climate and Energy Conservation	System wide Vehicle Miles Travelled (VMT) per capita
Environmental Stewardship	Emissions Reductions	Greenhouse gas (GHG) emissions per capita
Environmental Stewardship	Air Quality / Public Health	Criteria pollutant emissions per capita
Social Equity	Equitable Distribution of Access and Mobility	Comparison of outcomes for Low Income and Minority (LIM) and non-LIM communities (qualitative discussion)
Health and Safety	Multi-modal Safety	Number of injuries and fatalities per capita from all collisions (including bicycle and pedestrian)
Health and Safety	Pedestrian and Bicycle Mode Share	Percent of total trips per capita taken by biking or walking
Location Efficiency	Support for Sustainable Growth	Percent of total dwelling units in Transit Priority Areas
Location Efficiency	Transit Mode Share	Percent of total trips per capita taken by transit

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