

April 10, 2014



System Planning

Bruce de Terra
Office of System, Freight, and Rail Planning

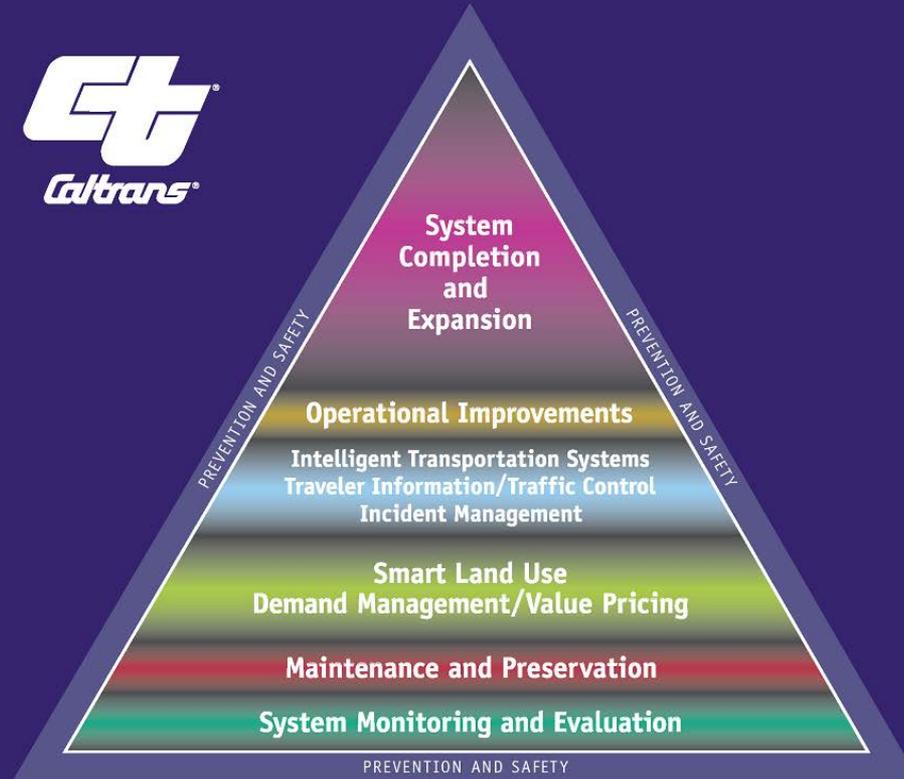
System Planning Overview

- What is System Planning?
- Who tells us to do System Planning?
- Why is System Planning still needed?
- Core System Planning products.

What is System Planning?

- Partnership based: external & internal.
- Analysis - existing conditions and deficiencies.
- Future demand and improvements to meet demand.
- State's vision as "owner operator" to meet needs of all users.
- Candidate projects, strategies, concept of operations for various funding programs.
- 20 – 25 year planning horizon.

Mobility Pyramid



Transportation investments have more impact when built on this foundation

Based in Law

California Government Code

65086. The Department of Transportation, in consultation with transportation planning agencies, county transportation commissions, counties, and cities, shall carry out long-term state highway system planning to identify future highway improvements.

Based in Law

U.S. Code, Title 23, Part 450, Subpart B...

The purpose of this subpart is to implement the provisions of 23 U.S.C. 135 and 49 U.S.C. 5304, as amended, which require each State to carry out a **continuing, cooperative, and comprehensive** statewide **multimodal** transportation planning process, including the development of a long-range statewide transportation plan and statewide transportation improvement program (STIP), that facilitates the safe and **efficient management, operation, and development** of **surface transportation systems** that will serve the mobility needs of people and freight (including accessible pedestrian walkways and bicycle transportation facilities) and that fosters economic growth and development within and between States and urbanized areas, while minimizing transportation-related fuel consumption and air pollution in all areas of the State, including those areas subject to the metropolitan transportation planning requirements of 23 U.S.C. 134 and 49 U.S.C. 5303.

Change is Constant

- Increased population, vehicle miles, and freight volume.
- Land Use.
- New standards and technologies.
- Shift from capacity expansion to system management, operations and integration.
- Community, environmental, health and climate change.
- New legislation and directives.
- Constrained funding.

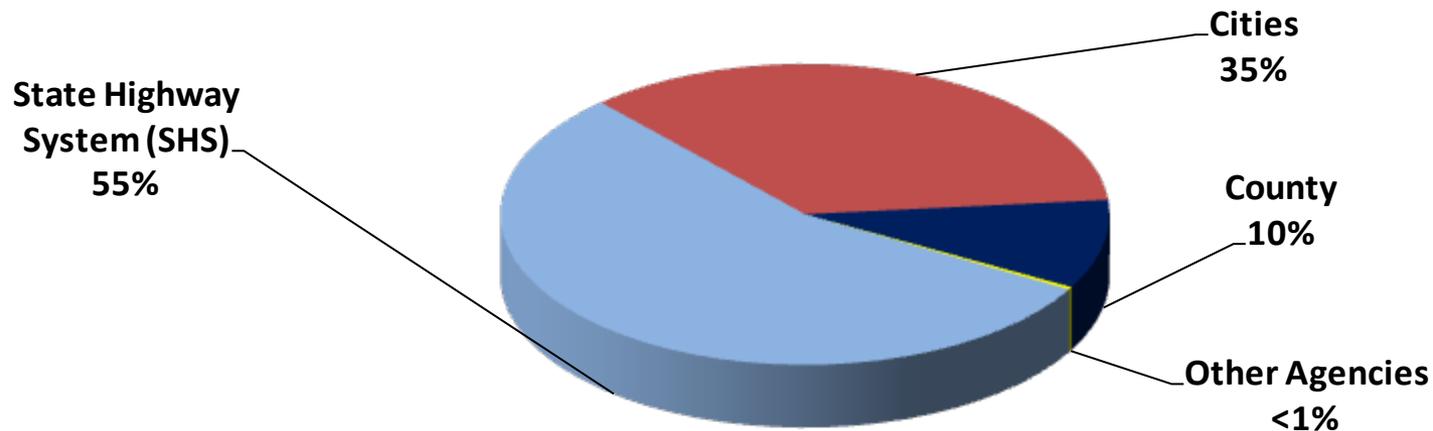
Long-Term Trends

Year	1966	1990	2010
California Population (Millions)	~18	~30	~38
Centerline Miles	14,308	15,170	15,160
Lane Miles	38,585	48,737	50,462
Annual Vehicle Miles of Travel (Millions)	49,097	139,209	180,259
Daily Vehicle Miles of Travel Per Lane Mile	3,486	7,826	9,786

California Statewide

California State	2010 Center Line Miles	2010 Daily Vehicle Miles of Travel (DVMT 1,000's)
State Highway System (SHS)	15,159.7	493,860
Cities	75,207.8	315,589
County	65,166.4	86,064
Other Agencies	16,604.7	2,486

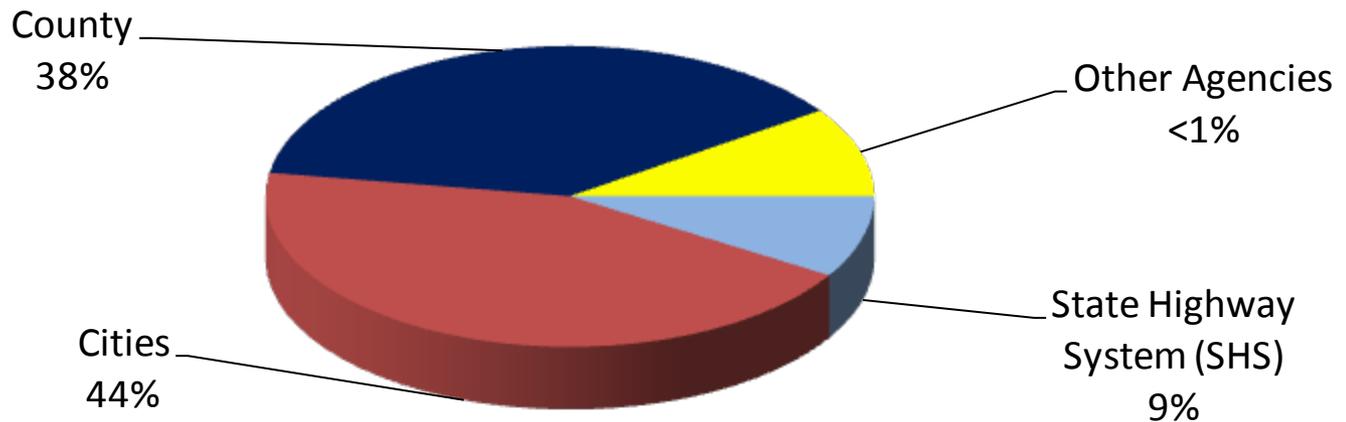
% Share of DVMT

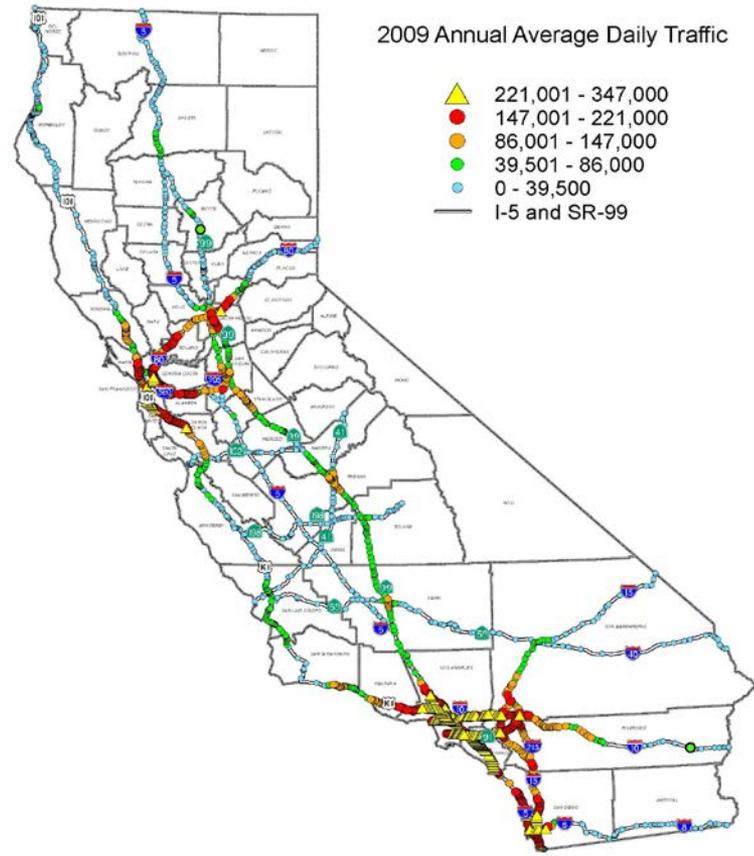


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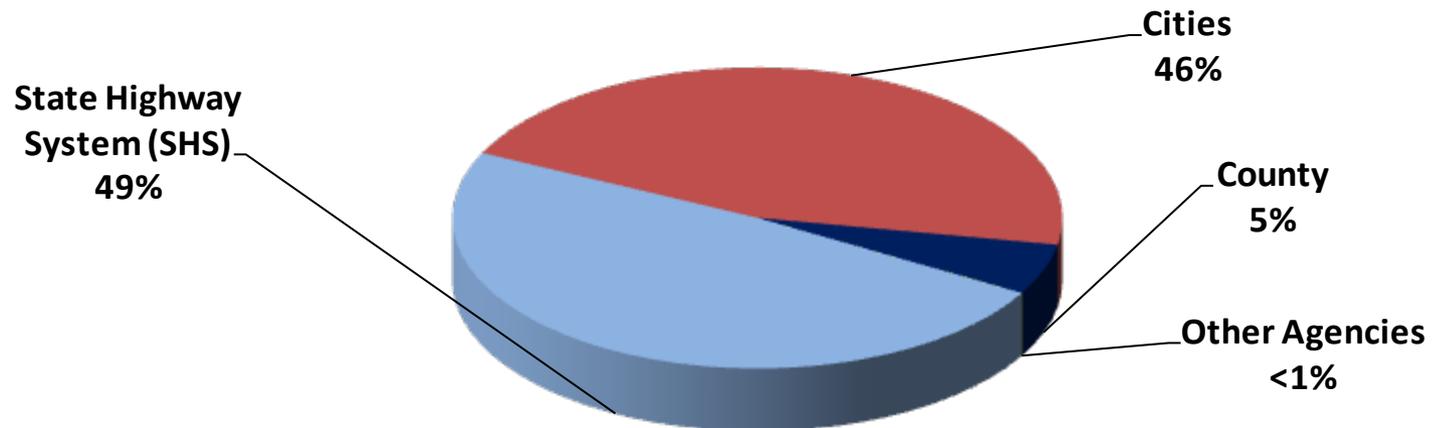




Los Angeles County

Los Angeles County	2010 Center Line Miles	2010 Daily Vehicle Miles of Travel (DVMT 1,000's)		
		Rural	Urban	Total
State Highway System (SHS)	860.6	5,324	98,003	103,326
Cities	17,299.1	344	96,608	96,951
County	3,206.9	2,376	9,194	11,570
Other Agencies	380	19	10	29

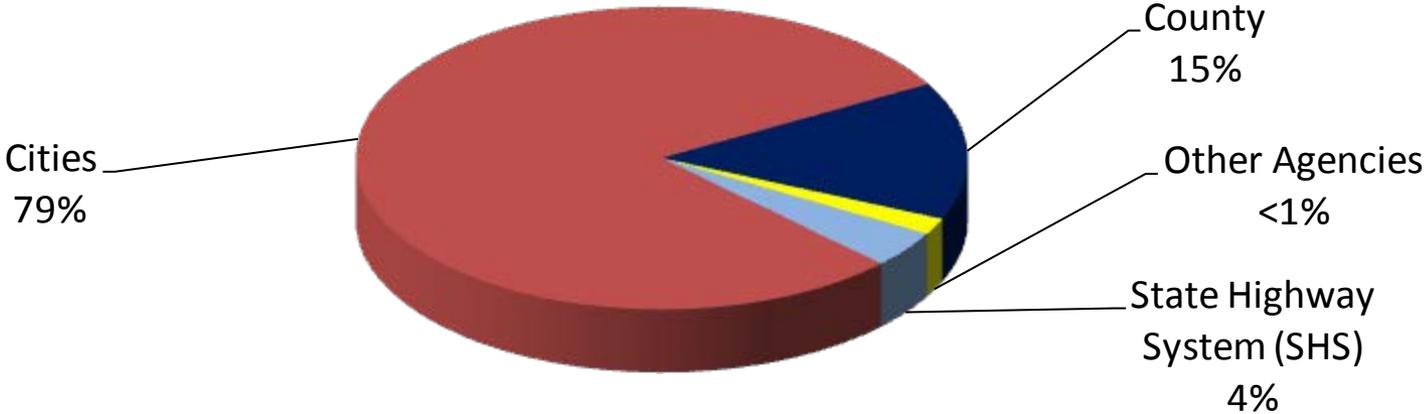
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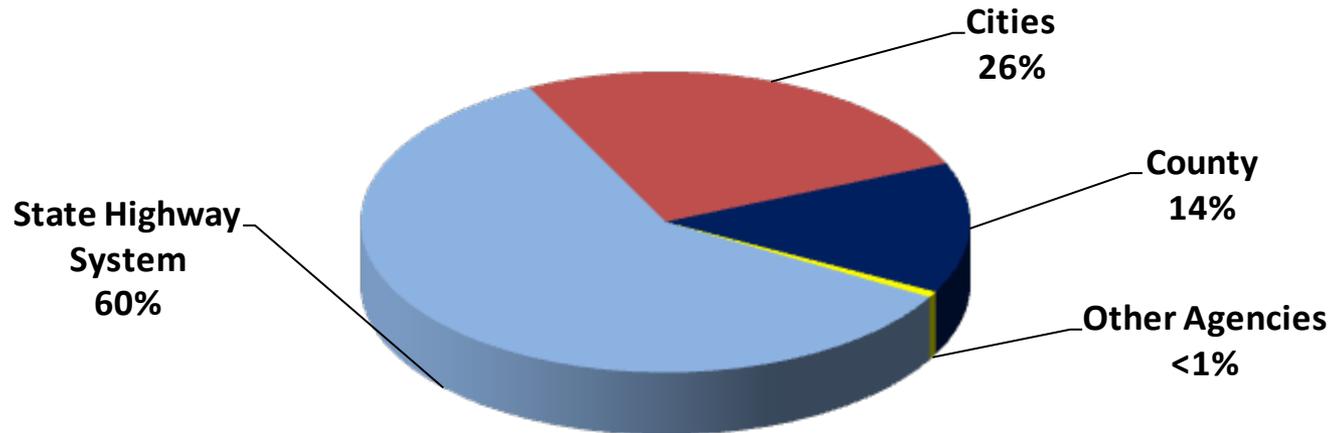
% Share of Center Line Miles



Shasta County

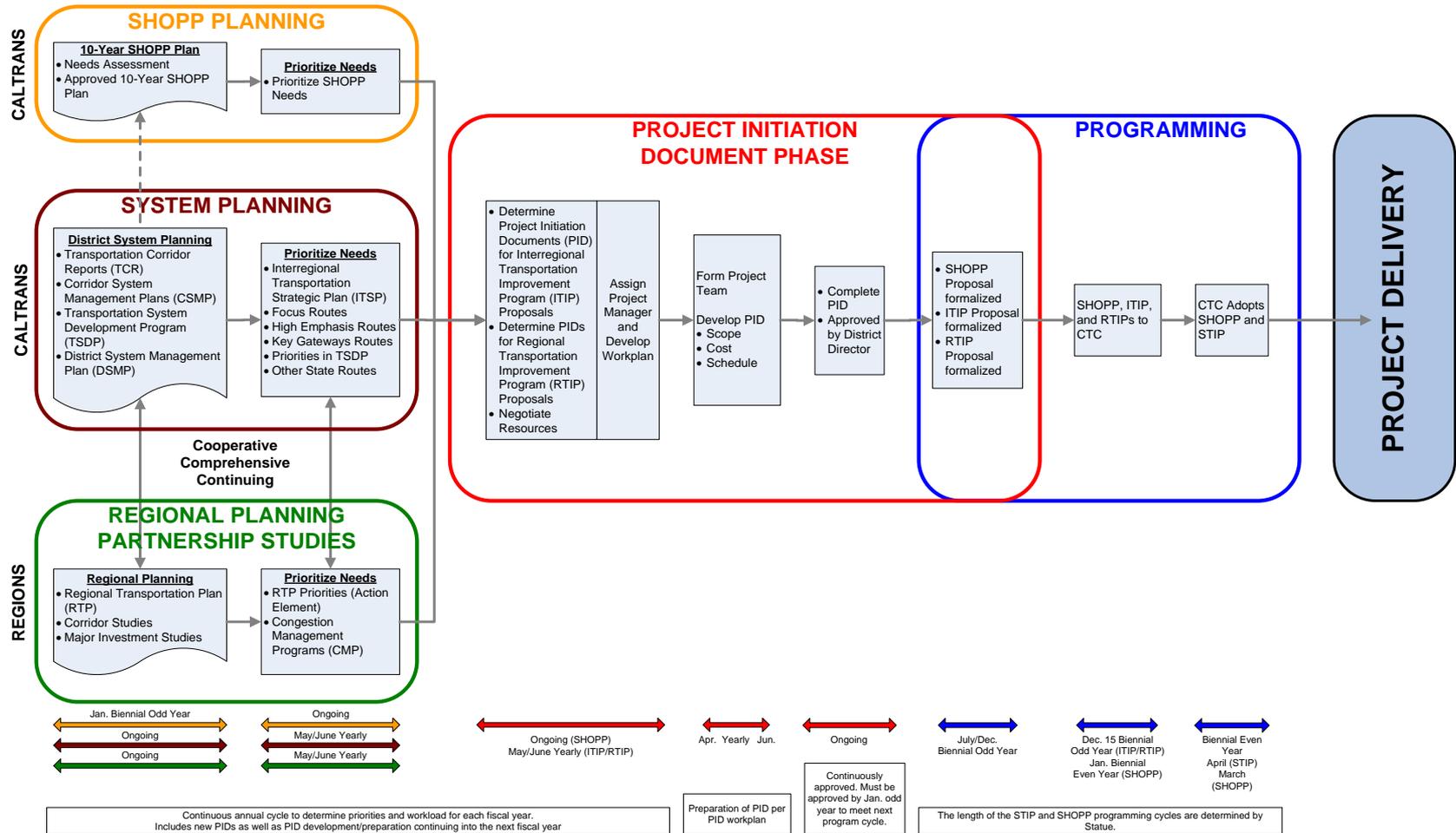
Shasta County	2010 Center Line Miles	2010 Daily Vehicle Miles of Travel (DVMT 1,000's)		
		Rural	Urban	Total
State Highway System (SHS)	313.9	1,789	1,290	3,079
Cities	519.4	11	1,337	1,348
County	1,191.2	549	182	731
Other Agencies	574.5	33	0	33

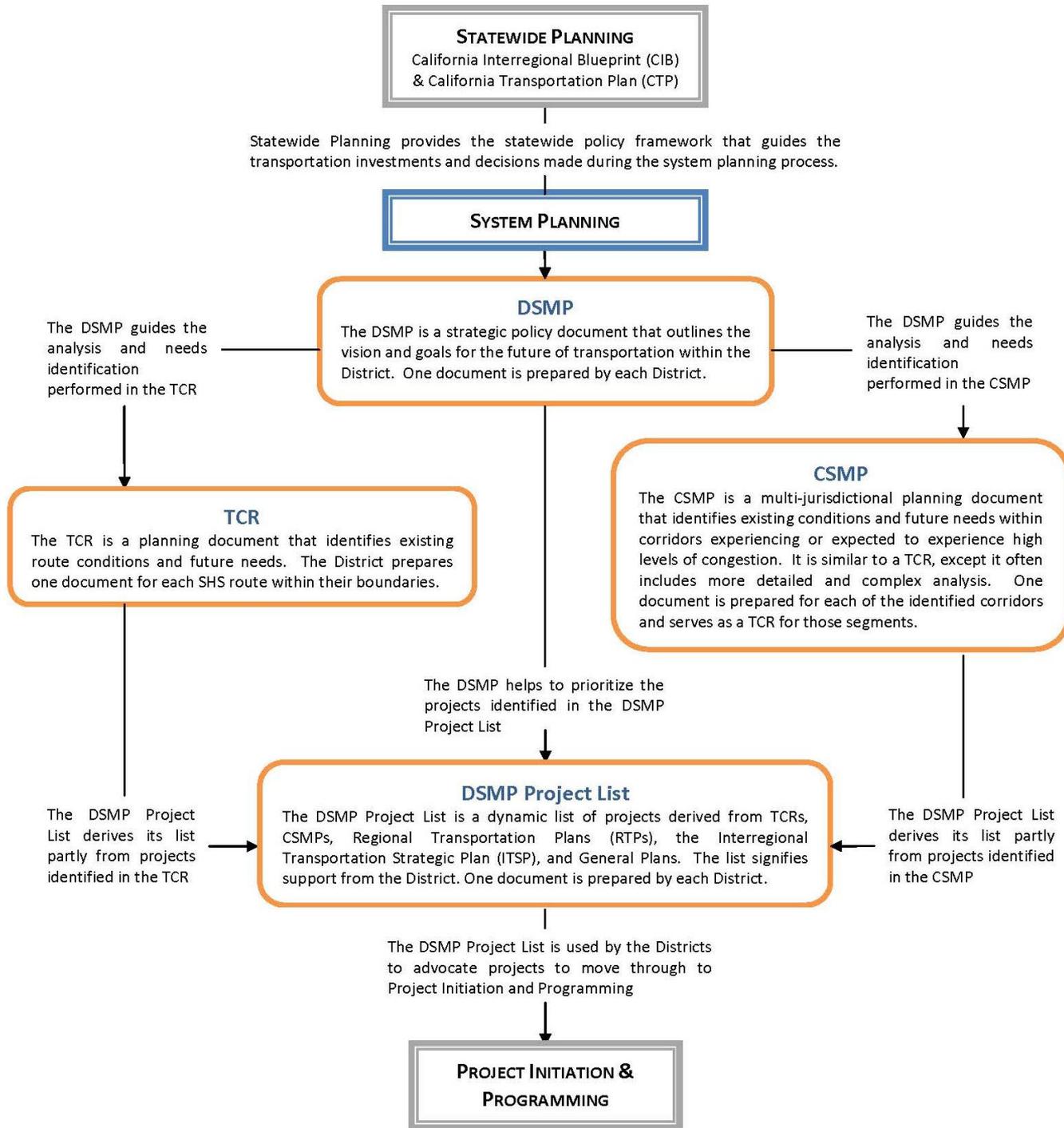
% Share of DVMT



Simplified Statewide and Regional Planning and STIP and SHOPP Programming Cycle

Project Initiation Document Links Planning to Programming





Transportation Concept Report

- Updated guidelines (2012) provide consistent format, data collection, template, system measures, ability to more easily update TCR.
- Roll-up data for multi-district corridor, regional network, or statewide by measure and GIS.
- Identify specific projects and operations strategies to submit for competitive funding opportunities.

- Bicycle Facility
- Pedestrian Facility
- Transit Facility
- Freight
- Environmental Considerations
- System Characteristics
- Operations Measures
- Concept of Operations (ConOps)

- Facility Concept
- Concept of Operations (ConOps)
- Sustainability Concept

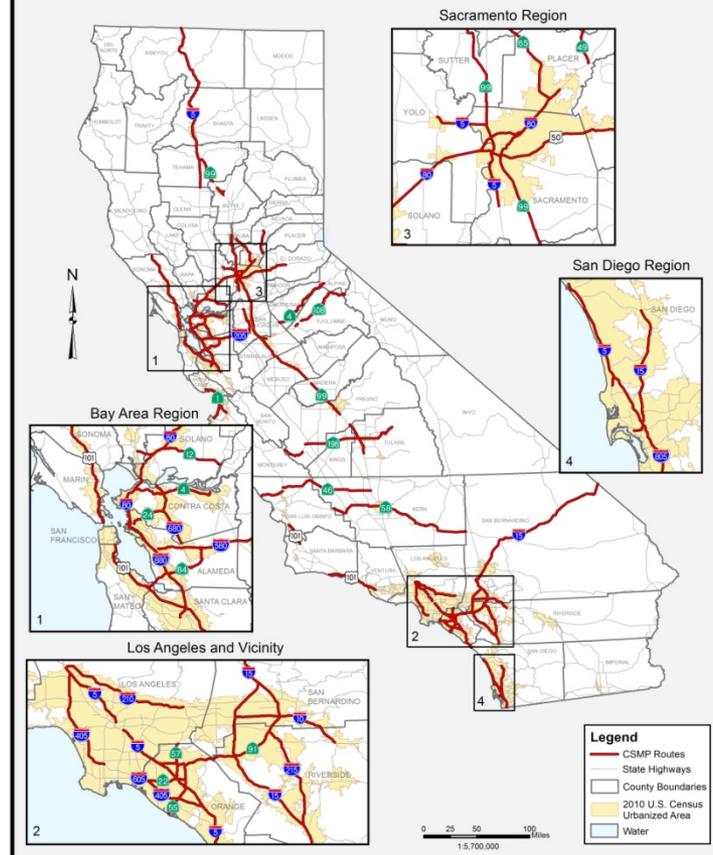
TCR Uses & Customers

- Capital development process – need and purpose, identify projects for PIDs
- Identify projects for inclusion in RTPs
- Project Development Teams
- IGR/LDR
- Partner Agencies
- Local jurisdictions
- Communities and Advocacy Groups
- Property Owners
- Corridor preservation

Corridor System Management Plan

- Required by CTC for all Prop 1B Bond funded projects – CMIA.
- Intended to preserve the mobility gains provided by Bond projects.
- Identifying operations and management strategies that are lower cost and more quickly implemented.
- Getting more mobility for fewer capital \$, reduce delay – lower GHG.

Corridor System Management Plan (CSMP) Routes



District System Management Plan

- Updated guidelines 2013.
- Combines DSMP (1991) and TSDP (1995).
- Identifies District challenges and priorities.
- Comprehensive project list serving as source for funding opportunities.
- Project list updated every 2 years in conjunction with STIP cycle.

Interregional Road System

- IRRS – 93 routes outside urbanized areas that provide access and links: economic centers, urban and rural regions, major recreation – eligible for ITIP funding.
- High Emphasis Routes – subset of IRRS characterized by Caltrans as most critical (most interstates and select State Routes.)
- Focus Routes – subset of High Emphasis – 10 highest priority routes for ITIP funding.

Interregional Transportation Strategic Plan (ITSP)

- Identifies Department priorities for ITIP funding, concentrating on Focus Routes.
- 2013 update provides status of routes since original 1998 plan - what's been completed and what remains.
- Is being updated now, in conjunction with California Transportation Plan, to better reflect new laws and policies.

DRAFT

Focus Route Development Strategy
1998 - 2020
(non-urbanized areas)
Implementation Progress Report of the
1998 Interregional Transportation Strategic Plan (ITSP)



Other System Planning Products

- Ramp Meter Development Plan
- Roundabouts Inventory
- Relinquishments *
- Corridor Studies/Major Investment Studies
- State Planning and Research grants
- Needs Inventory for funding opportunities

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SYSTEM PLANNING LINKS

- » [Office of System, Freight & Rail Planning: System Planning Branch](#)

california corridor mobility **Caltrans**
Increasing Efficiency, Improving Mobility

CALTRANS DISTRICTS
1 2 3 4 5 6 7 8 9 10 11 12 HOME CONTACT US

System Planning Documents

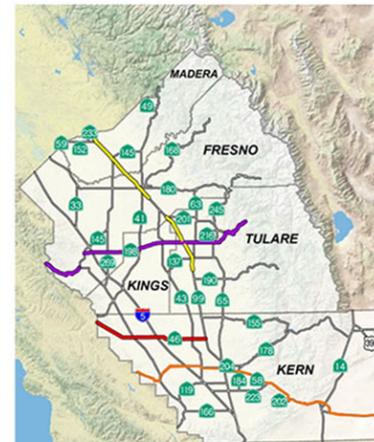
District

6

» [Caltrans District 6 Website](#)

System Planning documents can be accessed two ways:

» Access documents geographically by



California Corridor Mobility - District 6 - Windows Internet Explorer

http://www.dot.ca.gov/hq/tp/corridor-mobility/d6-page.html

File Edit View Favorites Tools Help

California Corridor Mobility - District 6

- Interregional Transportation Strategic Plan
- Ramp Meter Development Plan (RMDP) **NEW**
- Relinquishment
- California Corridor Mobility
 - District Website Links
 - Library
 - MPO/RTPA Links
 - Site Map

MPO & RTPA LINKS FOR DISTRICT 6

- Madera County Transportation Commission
- Kern County Council of Governments, RTPA/MPO
- Kings County Association of Governments, RTPA
- Tulare County Association of Governments

map to the right

→ Access documents by text link - Click the links in the tables below.



District 6 - Fresno
Cherry Blossom Trails



District 6 - Fresno
State Routes 180/168
From SR 180 alignment east of Cedar Avenue extending to Tennessee Avenue IC Clinic

Available Transportation Concept Reports (TCR)

I-5	SR-14	SR-33	SR-41	SR-43
SR-46	SR-49	SR-58	SR-59	SR-63
SR-65	SR-99	SR-119 NEW	SR-137	SR-145
SR-152	SR-155	SR-166	SR-168	SR-178
SR-180	SR-184	SR-190	SR-198	SR-201
SR-202	SR-204	SR-216	SR-223	SR-233
SR-245	SR-269	US-395		

Corridor System Management Plans (CSMP)

SR-46	SR-58	Urban SR-99	Rural SR-99	SR-198
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Transportation System Development Program (TSDP)

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<http://www.dot.ca.gov/hq/tpp/corridor-mobility/>