

Update



October-November-December 2016

Tulare County Association of Governments

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Caltrans Releases Long-Range Transportation Plan Update

CTP 2040 sets course toward economically sound, sustainable future

SACRAMENTO – Caltrans is pleased to present the *California Transportation Plan (CTP) 2040*, the State's new long-range integrated approach toward transportation planning that is multimodal, sustainable and environmentally responsible. The plan presents a set of supporting goals, policies and recommendations to chart a long-term vision to help guide transportation decisions and investments in the 21st century that meet our future multimodal mobility needs and reduce greenhouse gas emissions.

"The California Transportation Plan 2040 sets the correct course for the state's transportation future. With a growing population that requires an integrated, effective transportation system, the Plan will improve transit options while fulfilling economic and environmental goals." Malcolm Dougherty, Director, Caltrans

The CTP 2040 takes a "whole system" approach toward the state's transportation system that integrates statewide long-range modal plans and programs with the latest technology and tools to articulate the State's broad vision for a single, seamless transportation system that complements regional transportation plans, sustainable communities' strategies and land-use visions for greater mobility choices.

Preparation of the CTP 2040 included an extensive outreach campaign through an open and collaborative planning process with input and guidance from transportation partners representing various governmental agencies, tribal governments, and advocacy groups who participated on the CTP's Policy Advisory and Technical Advisory Committees. The plan also gathered input from a wide range of stakeholders, including the public, elected and appointed officials, and community-based organizations across the state.



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Caltrans Releases Long - Range Transportation Plan Update (Continued)

Achieving the goals and polices of the CTP 2040 and transforming the transportation system from where California is now to where it needs to be in 2040 will take significant effort among transportation partners and stakeholders, as well as broad public support. The CTP provides recommendations for how California can move toward its greenhouse gas reduction targets and achieve the vision for a fully integrated, multimodal, and sustainable transportation system that enhances California's economy and livability.

The CTP 2040 is available at www.californiatransportationplan2040.org.



California Truck Survey Helps Shape Transportation Planning

Caltrans News Flash #83

SACRAMENTO – Trucking is a huge part of the state and national economy, and how the industry uses transportation is a key factor in managing the system. In this *Caltrans News Flash*, you'll learn how the California Truck Survey will play a key role in shaping our transportation future.

The survey is currently underway, and will be the first in the state since 2002. Caltrans is conducting outreach workshops with several rounds of a data-collecting survey. To learn more about the survey and find out how freight vehicle operators in California can participate, visit Caltrans' *California Vehicle Inventory Use and Survey page*.

This video may also be viewed at: <https://youtu.be/btfSbhDDecQ>.

This News Flash is the 83rd in a series of videos highlighting Caltrans' activities that present the wide-ranging and critical work that Caltrans does to enhance California's economy and livability. To see more of these and other videos, search for [#CaltransNewsFlash](#) on Twitter or visit <http://bit.ly/1ez3LYz>.



We did it! 5,000 vehicles enrolled in the California Road Charge Pilot Program!



The pilot program has officially been launch; exceeding our goal of more than 5,000 vehicles enrolled.

For the next nine months, volunteers will report their driving miles to the state – or – have their mileage monitored by the state.

The following chart represents the total number of 5,022 vehicles currently enrolled in the pilot, across four vehicle categories.



Volunteers have four options recording there mileage:

- 
Time Permit
 "Purchase" a permit for unlimited road use in California for a specific period of time

- 
Mileage Permit
 "Purchase" a block of miles based on your expected use of California's roads

- 
Odometer Charge
 "Make payments" based on periodic manual odometer readings

- 
Plug-in Device (Location Optional)
 Report miles using a plug-in device for your car with optional smartphone app

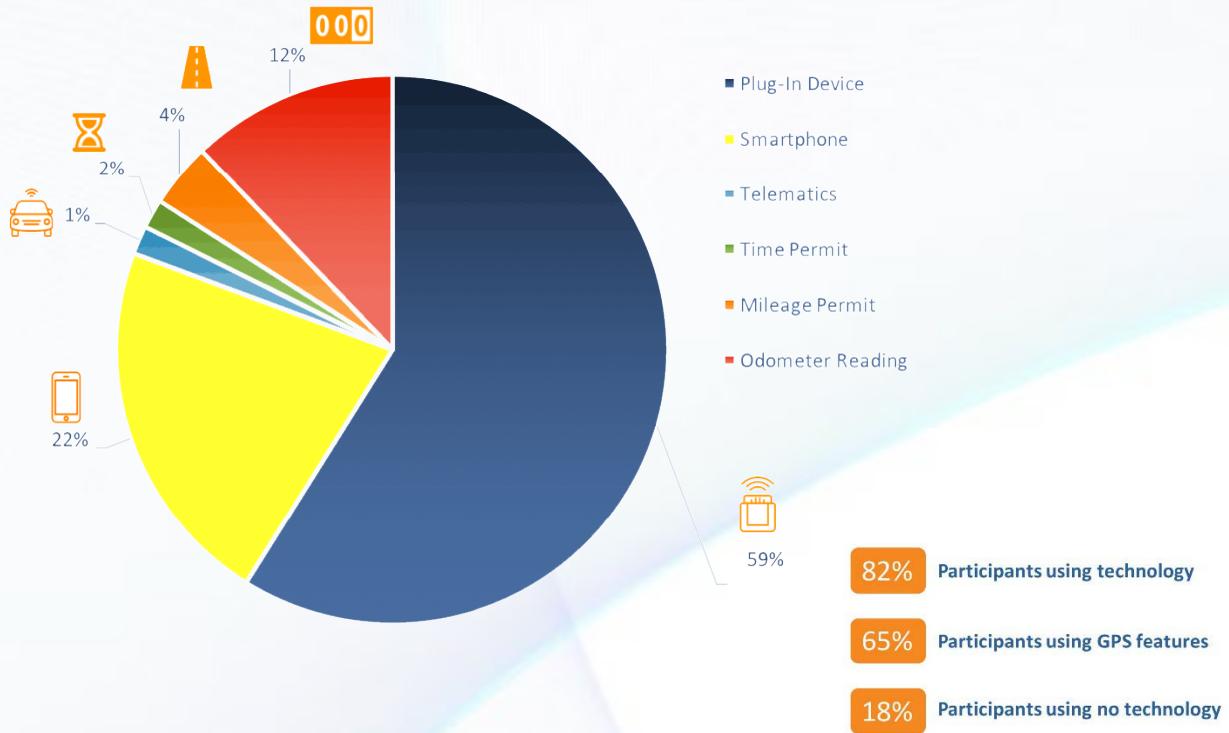
- 
Smartphone App (Location Optional)
 Report miles using a smartphone app

- 
Car's Built-in Technology
 Report using your car's built-in technology (only available in select, recent models)

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We did it! (Continued)



- These various road charging methods will compare the performance of each concept against an established set of criteria.
- This trial will inform the state Legislature’s decision on whether and how to move forward with a full-scale, permanent road charge program
- Data security and privacy requirements have been strictly implemented to protect driver’s personal information.
- With the decline in gas tax revenue and more cars becoming more fuel efficient the road charge program is a viable way to generate revenue to support California’s aging transportation infrastructure.

“If you are going to revise the system. You have to do the work, and answer the questions before you go to the politicians.”

Steve Schnaidt
Pilot Program Volunteer
Sacramento California





Survey Reveals Surprising Driver Behaviors for Litter, Pollution

Littering and Polluting Behaviors on California's Highways are Focus of the "Protect Every Drop" Campaign

SACRAMENTO – Caltrans released new survey data today that shows nearly half all motorists surveyed admit to sometimes littering along the state's highways. Nearly one in five California motorists report intentionally dumping something on the side of the highway. Survey respondents confirmed they improperly disposed of items ranging from old furniture and appliances to green waste from their yard such as lawn clippings, branches or leaves. In addition, another 6 percent of motorists admitted that they fail to pick up waste left by pets on the side of the highway.

"These findings are staggering because this is not accidental public behavior, but rather a conscious decision to improperly discard or leave behind debris along California freeways." These items create roadway hazards while also directly affecting the cleanliness of our highways and the waterways. When it rains, stormwater flushes highway debris and pollutants into the storm drain system flowing to open bodies of water." Malcolm Dougherty, Director, Caltrans

The quantitative survey was conducted to measure California highway drivers' awareness, attitudes and behaviors when it comes to maintaining clean highways for the purposes of clean waterways. The survey was conducted in February 2016 by Consumer Quest Research.

Responses were collected from more than 300 California drivers across the state age 18 years of age and older who had driven on California freeways or highways in the last 30 days.

Below are several additional survey findings:

- **Making the Connection:** Overwhelmingly, 84 percent of Californians believe there is a connection between highway pollution and the quality of water. Virtually all of these motorists say that knowing this encourages them to maintain their vehicle properly and not litter or cause pollution on highways.



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Survey Reveals Surprising Driver Behaviors for Litter, Pollution (Continued)

- **Taking Action:** The primary action taken as a result of understanding the connection between roadway pollution and water quality is to avoid littering (30 percent), followed distantly by making sure there are no leaking fluids (14 percent).
- **Tire Maintenance:** Only half of California motorists regularly check to make certain their tires are properly inflated. Perhaps more concerning is that nearly one in five California motorists report that they "go by how my vehicle feels," are sometimes "not totally certain," (how full their tires are) or "don't really worry about this."
- **Leaky Car Fluids:** Four in 10 motorists discovered a fluid leak from their vehicle in the past several years. While most repaired it immediately, a significant portion did not. Of those who discovered leaking fluids, 20 percent report waiting at least a few days to take action or topping off and not worrying about it.

Caltrans recently launched a new stormwater public education and outreach campaign called "Protect Every Drop" to educate Californians about the sources and pathways of stormwater pollution, including the items found to be improperly discarded during the survey. The campaign encourages motorists to reduce the pollutants that affect water quality in California's streams, rivers, lakes and coasts, in order to keep them drinkable, swimmable and fishable.

The campaign addresses several actions the public can take, including:

- Performing routine vehicle and tire maintenance, which reduces pollution from vehicles on the roadway.
- Properly disposing of trash and recycling.
- Securing and covering truckloads that may fall off or blow out during travel.

The campaign also addresses other pollutants found in highway stormwater that may originate from non-highway sources such as pesticides and bacteria from natural sources.

"The polluted water that runs off California highways discharges either to an adjacent city or county storm drain system, or to a stream, river or lake – and eventually to bays and the ocean. "We need every motorist to do their part to help keep California's highways and waterways clean." Ana Serrano, PE, Office of Stormwater Program Implementation, Division of Environmental Analysis, Caltrans

The comprehensive Caltrans Stormwater Awareness, Attitudes and Behaviors Study Pre-Campaign Baseline Results can be found at: <http://www.protecteverydrop.com/resources>.





Roundabouts

The modern roundabout is a type of circular intersection defined primarily by three basic operational principles:

- ♦ Geometry that results in a low-speed environment, creating substantial safety advantages.
- ♦ Entering traffic yields to vehicles in the circulatory roadway, leading to excellent operational performance.
- ♦ Channelization at the entrance and deflection around a center island are designed to be effective in reducing conflict.

Background

There are an estimated 300,000 signalized intersections in the United States. About one - third of all intersection fatalities occur at these locations, resulting in roughly 2,300 people killed each year. Furthermore, about 700 people are killed annually in red - light running collisions. Although traffic signals can work well for alternately assigning the right - of - way to different user movements across an intersection, roundabouts have demonstrated substantial safety and operational benefits compared to most other intersection forms and controls, with especially significant reductions in fatal and injury crashes. The Highway Safety Manual (HSM) indicates that:

- ♦ By converting from a two-way stop control mechanism to a roundabout, a location can experience an 82 percent reduction in severe (injury/fatal) crashes and a 44 percent reduction in overall crashes.
- ♦ By converting from a signalized intersection to a roundabout, a location can experience a 78 percent reduction in severe (injury/fatal) crashes and a 48 percent reduction in overall crashes.

The benefits have been shown to occur in urban and rural areas under a wide range of traffic conditions, and ongoing research has expanded our collective knowledge on safety performance for specific scenarios. Although the safety performance of all-way stop control is comparable to roundabouts (per the HSM), roundabouts provide four greater operational advantages. Roundabouts can be an effective tool for managing speed and creating a transition area that moves traffic from a high-speed to a low-speed environment. However, proper site selection, channelization, and design features are essential for making roundabouts accessible to all users.

Guidance

Roundabouts should be considered as an alternative for intersections on federally funded highway projects that involve new construction or reconstruction. Roundabouts should also



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Roundabouts (Continued)

be considered when rehabilitating existing intersections that have been identified as needing major safety or operational improvements. Roundabouts have also proven to be effective at freeway interchange ramp terminals and at rural high-speed intersections.

Key Resources

Roundabouts: An Informational Guide, Second Edition (NCHRP Report 672)

http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_rpt_672.pdf

Roundabouts Outreach & Education Toolbox

<http://safety.fhwa.dot.gov/intersection/roundabouts/roundabouttoolbox/>

Roundabouts and Mini Roundabouts Technical Summaries

<http://safety.fhwa.dot.gov/intersection/roundabouts/fhwasa10006/>

<http://safety.fhwa.dot.gov/intersection/roundabouts/fhwasa10007/>

Roundabouts Informational Brochure and DVD

<http://safety.fhwa.dot.gov/intersection/roundabouts/fhwasa08006/>

<http://safety.fhwa.dot.gov/intersection/roundabouts/#video>

Public Rights-of-Way Accessibility Guidelines (NPRM Edition) (July 2011)

<http://www.access-board.gov/prowac/nprm.pdf>

Crossing Solutions at Roundabouts and Channelized Turn Lanes for Pedestrians with Vision Disabilities (NCHRP Report 674)

http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_rpt_674.pdf

Highway Safety Manual, American Association of State Highway and Transportation Officials

<http://www.highwaysafetymanual.org/Pages/default.aspx>

Crash Modification Factor (CMF) Clearinghouse [quick search “roundabout”]

<http://www.cmfclearinghouse.org/>

Evaluation of Safety Strategies at Signalized Intersections (NCHRP Report 705)

http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_rpt_705.pdf

Roundabouts in the United States (NCHRP Report 572)

http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_rpt_572.pdf

FHWA Website: <http://safety.fhwa.dot.gov/intersection/roundabouts/>



ROUNDBOUTS



Update on Tulare County Projects

Tulare County Association of Governments:

Terra Bella Rehab: Pavement rehabilitation on SR 65 near Porterville from south of Avenue 80 to Avenue 112 in Tulare County. Funding: SHOPP. Begin construction late summer/early fall 2016. Curt Hatton, Project Manager, (559) 243-3445.

Terra Bella Expressway Segment 1: Widen SR 65 from a 2-lane conventional highway to a 4-lane expressway from Avenue 120 to the SR 190/65 separation, south of the City of Porterville. Funding: RIP, TCRP, Measure. PS&E/RW; advertise summer 2016; begin construction fall 2016. Jim Bane, Project Manager, (559) 243-3469.

Porterville to Caims Corner CAPM: Pavement preservation (CAPM) on SR 65 in and near Porterville from the Morton Avenue undercrossing to SR 137 (Road 196). Funding: SHOPP. PS&E/RW; Ready to list late 2016. Judy Aguilar-Luna, Project Manager, (559) 243-3457.

Lindsay to Exeter Expressway: Widen SR 65 from a 2-lane conventional highway to a 4-lane expressway in the City of Lindsay between Hermosa Avenue and SR 198. Funding: RIP. PA&ED; Ready to list late 2017. Judy Aguilar-Luna, Project Manager, (559) 243-3457.

Exeter CAPM Overlay: Asphalt concrete overlay on SR 65 in the City of Exeter from Avenue 236 to SR 198. Funding: SHOPP. PS&E/RW; Ready to list spring 2017; advertise summer 2017; award contract fall 2017. Judy Aguilar-Luna, Project Manager, (559) 243-3457.

Kern/Tulare VDS: Install Vehicle Detection Stations on SR 99 in Kern and Tulare Counties at various locations. Funding: Minor A. PS&E/RW; In construction. Jeannie Wiley, Project Manager, (559) 243-3432.

Tulare Madera VDS: Install Vehicle Detection systems on SR 99 in Tulare County from north of the Kern County line to north of the Paige Road overcrossing; in Fresno County from south of the Church Avenue overcrossing to the north SR 99-west SR 180/south SR 99-east SR 180; and in Madera County from north of the Avenue 18-1/2 overcrossing to north of the SR 99/SR 233 connector. Funding: Minor A. In construction. Jeannie Wiley, Project Manager, (559) 243-3432.

Prosperity to Caldwell - South Segment: Widen SR 99 in the City of Tulare from a 4-lane freeway to a six lane freeway between Prosperity Avenue to south of the Avenue 280 overcrossing. Funding: RIP, IIP. PS&E/RW; Pending funding approval, Ready to List late 2016; advertise pending construction funding approval. Jim Bane, Project Manager, (559) 243-3469.

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Update on Tulare County Projects (Continued)

Cartmill Interchange: On SR 99. Caltrans providing oversight for City of Tulare Measure R funded project. State Route 99 Bond funds are also funding this project. Construction complete. Curt Hatton, Project Manager, (559) 243-3445.

Caldwell- Middle Segment: Widen SR 99 near the City of Visalia from a 4-lane freeway to a six lane freeway between south of the Avenue 280 overcrossing to south of the West Visalia overhead. Funding: Construction started December 2015; work to continue. Jim Bane, Project Manager, (559) 243-3469.

Tulare to Goshen North Segment 6-Lane: On SR 99 near the community of Goshen. Funding Prop 1B Bond money. Visalia overhead to N Goshen overhead. Construction complete. Jim Bane, Project Manager, (559) 243-3469.

Betty Drive Interchange: Reconstruct the Betty Drive interchange on SR 99 in the community of Goshen. Caltrans proceeding with Alternative No 4 as the preferred alternative. Funding: RIP, IIP, Measure, local, developer. PS&E/RW; Ready to list fall 2016; advertise fall 2016. Curt Hatton, Project Manager, (559) 243-3445.

Goshen to Kingsburg Replacement Planting: Replacement and mitigation planting near the City of Kingsburg on SR 99 at various locations from south of the SR 99/Merritt Drive interchange to north of the Bethel Avenue overcrossing. Funding: Prop 1B Bond. Plantings on hold due to drought. Anticipated construction completion late 2016. Jim Bane, Project Manager, (559) 243-3469.

Riverland Rehab: Roadway rehabilitation on SR 99 in Tulare County, near Traver, from south of Dodge Avenue to south of the Kings River Bridge. Funding: SHOPP. Advertised April 2016; began construction August 2016. Jim Bane, Project Manager, (559) 243-3469.

State Route 190 Lairds Rehab: AC overlay, shoulder widening, left-turn channelization, and utility relocation on SR 190 near the community of Tipton between the SR 99/SR 190 separation to west of Road 184. Funding: SHOPP. PS&E/RW; Ready to list early 2017. Victor Shaw, Project Manager, (559)243-3441.

Lairds Corner Roundabout: Improvements at the intersection of SR 190 and Bliss Lane (Road 152) near the community of Tipton. Funding: SHOPP. PS&E/RW; Project RTL. Advertise August/September 2017 Victor Shaw, Project Manager, (559)243-3441.

Porterville Median Barrier: Install a concrete median barrier on SR 190 in the City of Porterville from South Prospect Street to S. Plano Street. Funding: SHOPP. PA&ED; Ready to List fall 2017. Curt Hatton, Project Manager, (559) 243-3445.

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Update on Tulare County Projects (Continued)

Porterville Median Barrier: Install a concrete median barrier on SR 190 in the City of Porterville from South Prospect Street to S. Plano Street. Funding: SHOPP. PA&ED; Ready to List fall 2017. Curt Hatton, Project Manager, (559) 243-3445.

Reservation Road Roundabout: Improvements at the intersection of SR 190 and Road 284 near the City of Porterville. Funding: SHOPP. In construction. Victor Shaw, Project Manager, (559)243-3441.

Plaza Landscape: Replacement planting on SR 198 in the City of Visalia between SR 99 to Plaza Drive and on Plaza Drive from Airport Drive to Goshen Avenue. Funding: STIP. In construction; consistent with drought plans; estimated completion early 2017, then project will enter plant establishment. Curt Hatton, Project Manager, (559) 243-3445.

Visalia Median Barrier: Install median barrier on SR 198 in the City of Visalia from west of the Road 80 overcrossing to the Road 80 overcrossing and from the Akers Street undercrossing to east of the County Center Drive overcrossing. Funding: SHOPP. Ready to List achieved summer 2016; begin construction fall 2016. Curt Hatton, Project Manager, (559) 243-3451.

Visalia 2R Rehab: Pavement rehabilitation on SR 198 in and near the City of Visalia from the Lovers Lane undercrossing to the SR 198/SR 245 junction. Funding: SHOPP. PS&E/RW; Ready to List spring 2017. Curt Hatton, Project Manager, (559) 243-3445.

Vista Avenue POC: ADA upgrades in the City of Visalia on SR 198 at the Vista Avenue pedestrian overcrossing. Funding: SHOPP ADA. Construction complete. Curt Hatton, Project Manager, (559) 243-3445.

Farmersville Roundabout 2: Intersection improvement on SR 198 eastbound ramps at Noble Avenue in the City of Farmersville. Funding: Local. In construction; estimated completion spring 2017. Curt Hatton, Project Manager, (559) 243-3445.

Farmersville Roundabout 1: Intersection improvement on SR 198 at Farmersville Boulevard and Noble Avenue in the City of Farmersville. Funding: Local. In construction; estimated completion spring 2017. Curt Hatton, Project Manager, (559) 243-3445.

Bridge Widening: Replace the rails at the SR 201/Sand Creek Bridge, the SR 201/Friant-Kern Canal Bridge, and the SR 216/Kaweah River Bridge. Funding: SHOPP. PS&E/RW; Ready to List early 2017. Judy Aguilar-Luna, Project Manager, (559) 243-3457.

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Update on Tulare County Projects (Continued)

Houston Avenue Landscape: Install landscaping on SR 216 in the City of Visalia from Lovers Lane to east of Comstock Street. Funding: STIP. In construction. Victor Shaw, Project Manager, (559) 243-3441.

South Valencia Blvd ADA: Improve pedestrian access and add ADA curb ramps on SR 245 between Deltha Avenue to Bravo Avenue near the City of Woodlake. Funding: Minor A. PS&E/RW; Ready to List fall 2016. Emad Abi-Rached, Project Manager, (559) 243-3460.

Woodlake Intersection Improvement: Caltrans oversight of a local roundabout project at the intersection of SR 216 and SR 245 in the City of Woodlake. Funding: Measure, local and federal. In construction. Emad Abi-Rached, Project Manager, (559) 243-3460.

North Valencia BLVD Improvement: Construct sidewalk, curb, gutter, curb ramps, & bike lanes on SR 245 in the City of Woodlake from Whitney Avenue to Sierra Avenue. Funding: Minor A. PA&ED; Ready to List spring 2017. Curt Hatton, Project Manager, (559) 243-3445.

HST – Bakersfield to Fresno Segment: High Speed Train System from the City of Bakersfield to City of Fresno station. Funding: CHSRA (ARRA). Begin construction summer 2017; end construction summer 2018. Garth Fernandez, Project Manager, (559) 243-8012.

Ker-Kin-Tul Drought Relief: Repair irrigation systems and replace booster pumps at various locations in Kern Kings, and Tulare Counties. Funding: SHOPP. In construction. Victor Shaw, Project Manager, (559) 243-3441.

Fre-Tul Sign Panel Upgrade: Upgrade sign panels in Fresno County on Routes 41, 168, 180, and in Tulare County on Route 198. Funding: SHOPP. Construction complete. Emad Abi-Rached, Project Manager, (559) 243-3460.





The California Department of Transportation (Caltrans) District 6 is headquartered in Fresno. This geographically diverse district is the second largest of the 12 Districts statewide, stretching from the southernmost part of Yosemite National Park in the north to the Mojave Desert. It includes Madera, Fresno, Tulare, Kings and Kern counties. Interstate 5 and State Route 99 run the length of District 6, serving as the main north-south arteries for not just the Central Valley, but for the entire state as well.

District 6 planning and Local Assistance vision is to be valued for its expertise in providing sound and innovative services and products that enhance the total transportation network.

Our mission is to provide transportation planning which offers a balanced, efficient, cost effective and integrated multimodal transportation system which not only ensures access and connectivity within the county, region and state, but one which also reflects partnerships and participation of our local communities, stakeholders, transportation agencies and local jurisdictions through clear and effective communication.

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District 6



CALTRANS MISSION:

Provide a safe, sustainable, integrated and efficient transportation system to enhance California's economy and livability

Visit District 6 on the web at www.dot.ca.gov/dist6/