

# Update



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Fresno Council 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](http://www.californiatransportationplan2040.org).



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## 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](https://twitter.com/CaltransNewsFlash) on Twitter or visit <http://bit.ly/1ez3LYz>.

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# 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

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

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

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

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

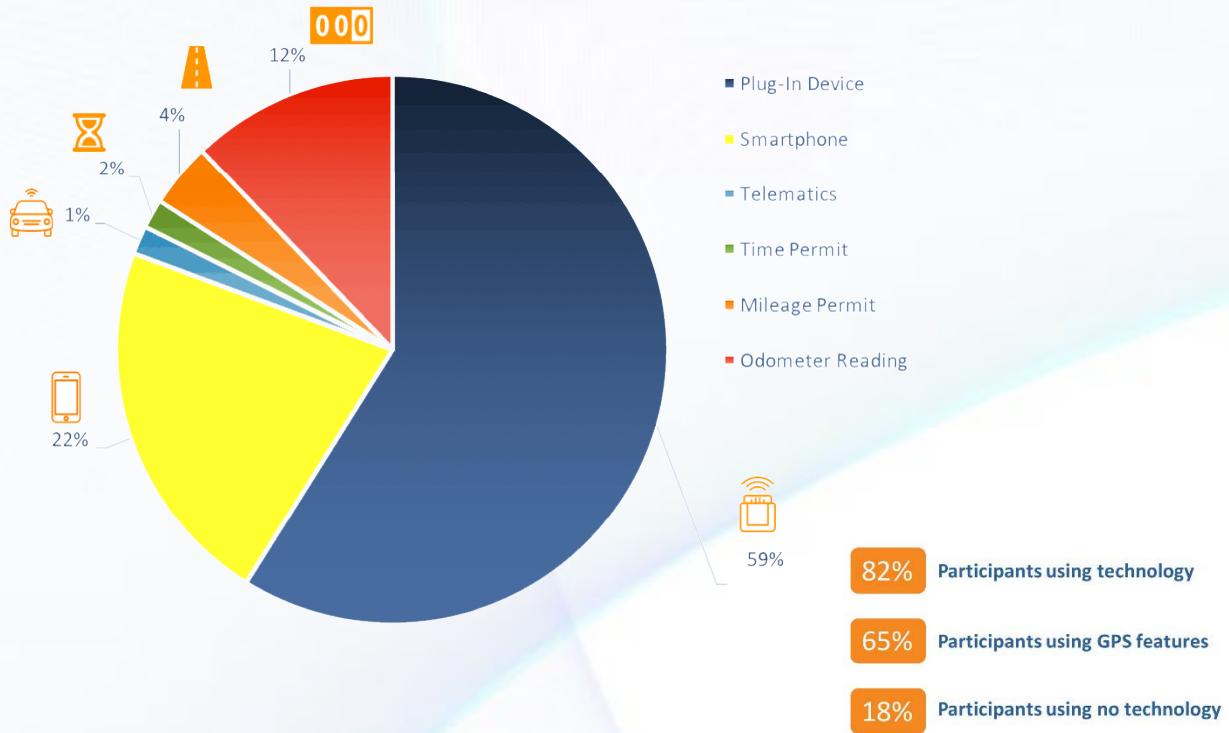
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- 
**Car's Built-in Technology**  
 Report using your car's built-in technology (only available in select, recent models)

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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](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](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](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](http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_rpt_572.pdf)

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



**ROUNDBOUTS**



## Update on Fresno County Projects

**I-5 Cable Barrier:** Install high tension cable barrier on I-5 from PM 21.5 in Kings County to PM 2.25 in Fresno County and from the El Dorado Avenue overcrossing to the I-5/SR 198 separation (Fresno County). Funding: SHOPP. Awarded to Coral Construction; start construction late summer/fall. Scott Friesen, Project Manager, (559) 243-3436.

**Seismic Restoration-Var:** Seismic restoration on SRs 33, 41, 43, and 233/152 in Fresno, Kings, and Madera Counties at various locations. Funding: SHOPP. Bids open September 2016; award late 2016; begin construction fall 2016. Jeannie Wiley, Project Manager, (559) 243-3432.

**Mendota Intersection Improvement:** Intersection improvements in Fresno County in the City of Mendota, on SR 33 at SR 180. Funding: CMAQ and Measure C. Implementing Agency-City of Mendota. Ready to list spring 2017. Chris Gardner, Project Manager, (559) 243-3444.

**FRE HI Friction:** Install high friction surface treatment on freeway ramps at various locations in Fresno on Routes 41, 99, 168, and 180. Funding: SHOPP. Awarded July 2016; begin construction fall 2016. Jeannie Wiley, Project Manager, (559) 243-3432.

**Fresno and Madera County Tree Removal:** Remove diseased and dead trees in Fresno and Madera Counties on various routes. Funding: SHOPP. PID. Judy Aguilar, Project Manager, (559) 243-3457.

**Excelsior Expressway II:** Convert SR 41 from a 2-lane expressway to a 4-lane expressway from north of Excelsior Avenue to north of Elkhorn Avenue. Funding: STIP. PS&E/RW; Ready to List spring 2019. Chris Gardner, Project Manager, (559) 243-3444.

**Fresno Madera 41 Fiber Optics:** Install a fiber optics system on SR 41 in the City of Fresno Metropolitan Area from North Avenue to north of the San Joaquin River. Funding: SHOPP. PID; Ready to List summer 2022. Anand Kapoor, Project Manager, (559) 243-3588.

**Route 41 SB Aux Lane:** Construct an auxiliary Lane on SR 41 southbound from O Street to Tulare Avenue. Funding: Funding: Local. PS&E/RW; Ready to List summer 2017. Neil Bretz, Project Manager, (559) 243-3465.



**Update on Fresno County Projects (Continued)**

**FRE/MAD Roadside Safety:** Roadside safety improvements on SR 41 in Fresno and Madera Counties from south of the Bullard Avenue overcrossing to north of Children’s Boulevard overcrossing. Funding: SHOPP. Advertised June 2016; begin construction fall 2016. Jeannie Wiley, Project Manager, (559) 243-3432.

**41 Seismic Retrofit:** Bridge seismic retrofit on old Route 41 Bridge between Madera County and Fresno County near the Community of Friant. Funding: SHOPP. PS&E/RW; Ready to list spring 2016; construction to start 2017. Anand Kapoor, Project Manager, (559) 243-3588.

**Southbound 99 Ramp Metering:** Install ramp metering in the City of Fresno at the southbound Shaw Avenue and southbound Ashlan Avenue onramps, and an auxiliary lane from Olive to Belmont. Funding: SHOPP. PS&E/RW; Ready to List late spring 2016; end construction late 2018. Anand Kapoor, Project Manager, (559) 243-3588.

**Olive Avenue Signals:** At SR 99/Olive on- and off-ramps in the City of Fresno; ramp metering included. Funding Minor A. Construction complete. Anand Kapoor, Project Manager, (559) 243-3588.

**SR 99 Realignment for HST:** Realignment of SR 99 to accommodate the High Speed Train System from south of Clinton Avenue in the City of Fresno to Ashlan Ave. Funding: CHSRA (ARRA). In construction. Garth Fernandez, Project Manager, (559) 243-8012.

**Veterans Bl. Interchange:** New interchange on SR 99 between Herndon Avenue and Shaw Avenue on Veterans Boulevard in the City of Fresno. Funding: Measure, local. Project design progressing. Ready to List summer 2017. Jim Bane, Project Manager, (559) 243-3469.

**168 Gore Paving:** Construct freeway maintenance vehicle pullouts and gore paving in the Cities of Fresno and Clovis on State Route 168 from the 180/168 separation to Shepherd Avenue. Funding: SHOPP. 60% Construction Review completed spring 2016; Ready to list late 2016; advertise early 2017; begin construction spring 2017. Jeannie Wiley, Project Manager, (559) 243-3432.

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**Update on Fresno County Projects (Continued)**

**Prather Curve Correction:** Realign the curve on SR 168 and Auberry Road near the community of Prather. Funding: SHOPP. In construction. Jeannie Wiley, Project Manager, (559) 243-3432.

**Auberry Road Roundabout:** Intersection improvements at the SR 168/Auberry Road intersection near the community of Prather. Funding: SHOPP. Project is in construction; complete construction 2017. Jeannie Wiley, Project Manager, (559) 243-3432.

**Munger Point:** Enhance Maynard Munger vista point on SR 168 east of the community of Prather. Funding: STIP, TE. Construction complete. Jeannie Wiley, Project Manager, (559) 243-3432.

**Fresno Slough Scour Mitigation:** Scour mitigation near Mendota at the Fresno Slough (Kings River – White Bridge). Funding: SHOPP. Ready to List late 2016. Neil Bretz, Project Manager, (559) 243-3465.

**Mendota Passing Lanes:** Add passing lanes on SR 180 between Yuba Avenue and Lake Avenue near the City of Mendota. Funding: Measure. Advertise spring 2017; begin construction late summer 2017; end construction late spring 2018. Neil Bretz, Project Manager, (559) 243-3465.

**180 West Freeway Landscape:** Highway planning on SR 180 in and near the City of Fresno from west of Brawley Avenue to Teilman Avenue. Funding: STIP. Ready to list June 2016; construction delayed to fiscal year 20/21 due to STIP funding. Chris Gardner, Project Manager, (559) 243-3444.

**180 Braided Ramps Landscaping:** Freeway landscaping in the City of Fresno from west of the Route 180/Route 41 separation to east of the Peach Avenue overcrossing. Funding: Measure. In construction. Neil Bretz, Project Manager, (559) 243-3465.

**Kings Canyon Expressway Seg. 3:** SR 180 from Smith Rd. to Alta Main Canal near the community of Centerville. Funding: RIP, Measure. PS&E/RW; Design completed in June 2015; construction will be delayed at least two years due to lack of available STIP funding. Neil Bretz, Project Manager, (559) 243-3465.

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**Update on Fresno County Projects (Continued)**

**Cali Aqueduct Deck Replacement:** Replace the California Aqueduct bridge deck on SR 198 near the City of Huron. Funding: SHOPP. Advertised summer 2016; begin construction late summer 2016; complete construction summer 2017. Jeannie Wiley, Project Manager, (559) 243-3432.

**Route 269 Bridge Project:** Palmer Avenue to SR 198 near the City of Huron. Project programmed in 2010 SHOPP for support costs only. Measure funds will be used for capital costs. Ready to list fall 2017; Project is in final design stage. Neil Bretz, Project Manager, (559) 243-3465.

**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.

**Fresno Co. Drought Relief:** Repair irrigation systems and replace booster pumps in Fresno County at various locations. Funding: SHOPP. In construction. Victor Shaw, Project Manager, (559) 243-3441.

**Fresno ITS Freeway Crossings:** City of Fresno will design and construct an Intelligent Transportation System (ITS) project to help synchronize traffic signals along freeway crossings. Funding: Minor A, CMAQ. Ready to List summer 2017; advertise late 2017. Anand Kapoor, Project Manager, (559) 243-3588.

**HST – CP-1 Contract:** Construction of the first Construction package for the High Speed Train System in the City of Fresno. Various location on the SHS. Funding: CHSRA (ARRA). Begin construction summer 2016; end construction summer 2018. Garth Fernandez, Project Manager, (559) 243-8012.

**Tulare Madera VDS:** Install Vehicle Detection systems on SR 99 in Tulare County from 0.1 mi north of Kern County line to 0.2 mi north of Paige Road overcrossing, in Fresno County from 0.2 mi south of Church Avenue overcrossing to N99-W180/S99-E180 and in Madera County from 0.4 mi north of Avenue 18 ½ overcrossing to N99/233 connector. Funding: Minor A. Contract awarded May 2016; project is in construction. Jeannie Wiley, Project Manager, (559) 243-3432.





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/](http://www.dot.ca.gov/dist6/)