

Update



October-November-December 2016

Kern Council of Governments

In this issue:

- Pg. 1 Caltrans Releases Long-Range Transportation Plan Update
- Pg. 2 California Truck Survey Helps Shape Transportation Planning
- Pg. 3 Caltrans Launches Pilot to Study Pay-By- Mile Road Charge Concept
- Pg. 5 Survey Reveals Surprising Driver Behaviors for Litter, Pollution
- Pg. 7 Roundabouts
- Pg. 9 Update on Fresno County Projects

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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Continued next page



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

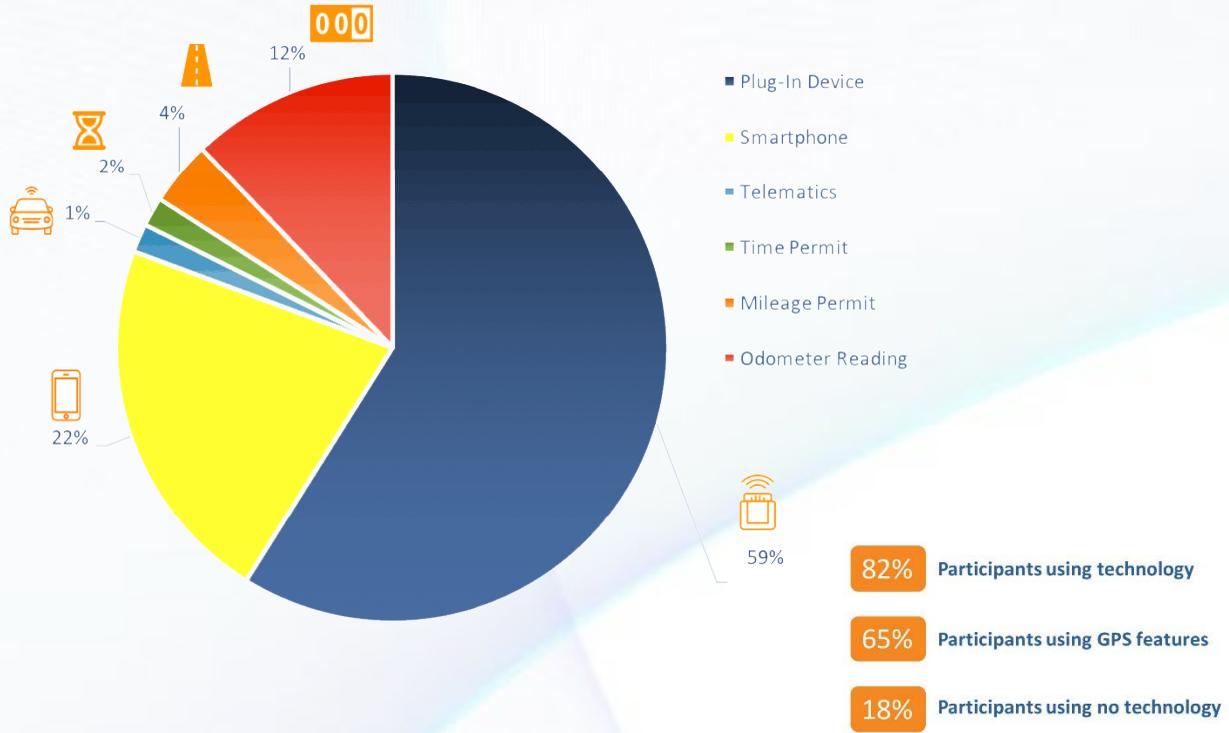
- 
Smartphone App (Location Optional)
 Report miles using a smartphone app

- 
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 Kern County Projects

Buena Vista Median Barrier: Install median barrier on I-5 in Kern County from the Buena Vista Canal Road to the SR 5/43 separation bridge. Funding: SHOPP. Award contract late summer 2016. Judy Aguilar-Luna, Project Manager, (559) 243-3457.

Buttonwillow SRRRA Sewer Upgrade: Water and sewer rehabilitation at the Buttonwillow Safety Roadside Rest Area on I-5 in Kern County. Funding: SHOPP. In PSE; 80% complete; on schedule; Ready to List early 2017. Paul Pineda, Project Manager, (661) 326-3416.

Lost Hills Lane Replacement: Grind pavement & overlay CAPM on I-5 between Lerdo overcrossing and the I-5/SR 46 separation near the community of Lost Hills. Funding: SHOPP. In construction; about 70% complete; on schedule; complete construction mid-2017. Paul Pineda, Project Manager, (559) 243-3416.

Mojave Maintenance Station Phase III: Construct crew facility on SR 14 in Mojave at the Mojave Maintenance Station. Funding: Minor A. Ready to List summer 2017; complete construction summer 2019. Minerva Rodriguez, Project Manager, (559) 243-3518.

Mojave Maintenance Station Phase II: Construct crew facility on SR 14 in Mojave at the Mohave Maintenance Station. Funding: Minor A. Redoing PS&E, Ready to list summer 2017; complete construction summer 2019. Minerva Rodriguez, Project Manager, (559) 243-3518.

Freeman Gulch Widening - Segment 1: Convert SR 14 from a 2-lane to a 4-lane expressway near Ridgecrest, from 0.5 miles south of the SR 178 West/SR 14 I/C to 1.7 miles north of SR 178 East. Funding: RIP/IIP. Ready to List achieved May 2, 2016; advertise winter 2016. Minerva Rodriguez, Project Manager, (559) 243-3518.

Shafter Wasco ADA Ramp: Construct ADA curb ramps on SR 43 in Shafter and Wasco. Funding: SHOPP/ADA. Ready to List achieved 2016; advertise summer 2016. Chris Gardner, Project Manager, (559) 243-3444.

Route 46 Conventional Highway Segment 4A: Widen SR 46 from a 2-lane to a 4-lane conventional highway between Lost Hills Rd and I-5. Funding: RIP, Demo. Ready to List March 2017; advertise summer 2017. Neil Bretz, Project Manager, (559) 243-3465.

Famoso SR 46/99 Bridge: Bridge replacement at the SR 46/99 Separation. Funding: SHOPP. Ready to List late fall 2016; advertise spring 2017. Chris Gardner, Project Manager, (559)243-3444.



Update on Kern County Projects (Continued)

Centennial Corridor Project: Construct 6/8 lane freeway on SR 58, between I-5 and Cottonwood Road. Funding: RIP, Oversight, and Demo. Ready to List late 2017. Minerva Rodriguez, Project Manager, (559) 243-3518.

Rosedale Highway Improvements:Widen SR 58 to 4 or 6 lanes between Allen Road and east of Gibson Street in the City of Bakersfield. Funding: Demo, local. Construction is about 80% complete; on schedule; expect to complete construction in winter 2016. Paul Pineda, Project Manager, (559) 326-3416.

SR 58 Rubberized BWC:Install temporary K-Rail and friction treatment at the SR 58/SR 99 separation in Bakersfield. Funding: SHOPP. Project awarded; in construction; 5% complete; expected completion is winter 2016. Paul Pineda, Project Manager, (559) 243-3426.

Beltway Operational Improvements: Operational improvements on SR 58 in the City of Bakersfield from the SR 58/SR 99 separation to Cottonwood Road. Funding: Local. In construction. Minerva Rodriguez, Project Manager, (559) 243-3518.

Gap Closure Rehab: Pavement rehabilitation on SR 58 in the City of Bakersfield from the SR 58/SR 99 separation to Cottonwood Road. Funding: SHOPP. Ready to List achieved March 30, 2016; delay CTC vote dates for early 2019. Minerva Rodriguez, Project Manager, (559) 243-3518.

Cottonwood East Rehab: Pavement rehabilitation (2R) on SR 58 in Bakersfield from the Cottonwood Road undercrossing to just east of the SR 58/184 separation. Funding: SHOPP. In Design; Ready to List spring 2017. Suzie Holdridge, Project Manager, (559) 243-3451.

Tehachapi CAPM: Pavement preservation on SR 58 in and near the City of Tehachapi from west of Tehachapi Creek to Cache Creek. Funding: SHOPP. In construction. Minerva Rodriguez, Project Manager, (559) 243-3518.

East Bound Sand Canyon Bridge: Bridge replacement on SR 58 near Tehachapi. Funding: SHOPP. Construction complete. Minerva Rodriguez, Project Manager, (559) 243-3518.

Boron Overlay: Rubberized asphalt concrete (RAC) overlay on SR 58 in Kern County near Boron from west of the West Boron overcrossing to the San Bernardino County Line. Funding: SHOPP. Construction complete. Emad Abi-Rached, Project Manager, (559) 243-3460.

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



Update on Kern County Projects (Continued)

SR 99 MVDS: Install Vehicle Detection Systems on SR 99 in Kern County from PM 0.3 to PM 15.9 and from PM 21.8 to PM 57.3. Funding: Minor A. PSE&E/RW; Ready to List early 2017. Jeannie Wiley, Project Manager, (559) 243-3432.

SR 99 Taft Highway 2R Rehab: Pavement rehabilitation on SR 99 near the City of Bakersfield from north of the Herring Road overcrossing to the Pacheco Road undercrossing. Funding: SHOPP. PA&ED in progress; about 100% complete; PSE 40% complete; on schedule; Ready to List expected summer 2017. Paul Pineda, Project Manager, (559) 243-3416.

Hoskings Road Interchange: Construct new interchange on SR 99 at Hoskings Road in the City of Bakersfield. Funding: Local. Construction; interchange open to traffic. Paul Pineda, Project Manager, (559) 326-3416.

Bakersfield Highway Lighting: Install highway lighting on SR 99 in the City of Bakersfield from the Bella Terrace overcrossing to Minkler Union Pacific. Funding: SHOPP. PSE 20% complete, RW in progress; Ready to List summer 2017. Paul Pineda, Project Manager, (559) 243-3416.

Rosedale Ramp SB: Widen the SR 99/Rosedale Highway southbound off ramp in Bakersfield. Funding: Local. In construction. Minerva Rodriguez, Project Manager, (559) 243-3518.

Kern County Seismic Restoration: Seismic restoration at the SR 99/Airport Drive overcrossing and at the SR 99/Golden State Avenue Separation. Funding: SHOPP/Seismic. Advertise late summer 2016. Judy Aguilar-Luna, Project Manager, (559) 243-3457.

Kern Ave POC: ADA compliance upgrades on SR 99 in Kern County at the Kern Avenue pedestrian overcrossing. Funding: SHOPP. Project bids open on September 7, 2016; construction tentatively to start in winter 2016. Paul Pineda, Project Manager, (661) 326-3416.

Cherry Avenue Truck Climbing Lanes: Construct truck climbing lanes on SR 119 in Elk Hills, northeast of the City of Taft. Funding: RIP, STIP. In construction; 60% complete. Paul Pineda, Project Manager, (661) 326-3416.

Delano Intersection Improvement: Intersection improvements at SR 155 and Browning Rd. Funding: SHOPP. Ready to List fall 2016. Chris Gardner, Project Manager, (559) 243-3444.

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Update on Kern County Projects (Continued)

178 Operational Improvements: Intersection improvements and widening of 24th St (SR 178). Funding: Local, oversight. PSE and right-of-way phase in progress. Ready to List late summer 2017. Paul Pineda, Project Manager, (661) 326-3416.

24th St (SR 178) Widening: Widen 24th Street (SR 178) by one lane in each direction in the City of Bakersfield between east of the Kern River Bridge to west of Golden State Avenue undercrossing. Funding: Demo. PSE phase is about 65% complete; right-of-way phase in progress; Ready to List summer 2017. Paul Pineda, Project Manager, (661) 326-3416.

Kern 178 Maintenance Access: Freeway maintenance access in Bakersfield on SR 178 at various locations from “M” St to east of Fairfax Rd. Funding: SHOPP. PID; Ready to List early 2017. Suzie Holdridge, Project Manager, (559) 243-3451.

Sunny Lane POC: ADA compliance upgrades on SR 178 in Kern County at the Sunny Lane pedestrian overcrossing/SR 178. Funding: SHOPP. Construction complete; POC open to pedestrians. Paul Pineda, Project Manager, (559) 243-3586. (661) 326-3416.

SR 178 Widening: Widen SR 178 near Morning Drive in the City of Bakersfield. Funding: Demo, local. In construction. Minerva Rodriguez, Project Manager, (559) 243-3518.

Bakersfield Bridge Preventative Maintenance: Place deck overlay, replace joint seals, and paint on SR 204, between SR 99 and SR 178 at various locations. Funding: SHOPP. In construction, about 30%; complete construction fall 2017. Paul Pineda, Project Manager, (559) 243-3416.

Hageman Flyover: Extension and connection to SR 204 on SR 99 between SR 204 and Airport Dr. Funding: Local, oversight. PS&E/RW; Ready to List summer 2017. Minerva Rodriguez, Project Manager, (559) 243-3518.

Johannesburg Overlay: Rubberized asphalt concrete (RAC) overlay on SR 395 in Kern County near Johannesburg from the San Bernardino County Line to SR 178. Funding: SHOPP. Construction complete. Emad Abi-Rached, Project Manager, (559) 243-3460.

Kern Sign Panel Upgrade: Upgrade sign panels on SRs 58, 99, and 178 in Kern County at various locations. Funding: SHOPP. Construction complete. Emad Abi-Rached, Project Manager, (559) 243-3460.

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.



Update on Kern County Projects (Continued)

Kern Wire Theft Restoration II: Wire theft restoration in Kern County on I-5 and SRs 46, 58, 99, 178, and 204, Funding: SHOPP. Ready to List spring 2017. Anand Kapoor, Project Manager, (559) 243-3588.

HST – Bakersfield to Fresno Segment: High Speed Train System from the City of Bakersfield to the City of Fresno station. Funding: CHSRA (ARRA). Begin construction summer 2016; end construction summer 2018. Garth Fernandez, Project Manager, (559) 243-8012.





District 6 planning and Local Assistance vision is to be valued for its expertise in providing sound and inovative 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.

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.

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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/