



Caltrans District 6

Transportation System Development Plan



May 2012

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Cover Photo: State Route 99, near the community of Fairmead in Madera County.

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Transportation System Development Plan

I. PURPOSE AND NEED

The Transportation System Development Plan (TSDP) is the department's principal document for identifying State Highway improvements recommended for consideration and ultimately for inclusion into regional transportation plans and programs. The TSDP presents a listing of candidate projects that encompass a comprehensive, reasonable and effective range of transportation improvements. The listing includes options for the State Highway System, as well as major transit improvements needed to maintain and improve the safe and efficient movement of people and goods on a regional and interregional basis. It is based on the principles of linking land use and transportation planning, encouraging smart-growth concepts, and implementing and facilitating the regional blueprint planning processes. Although the TSDP is not restricted by monetary resources, most of the projects are included in the adopted, financially-constrained, Regional Transportation Plans (RTP) of the Regional Transportation Planning Agencies (RTPA).

The TSDP presents a dynamic list of projects to assist Caltrans and its local and regional partners in the regional planning and project selection process, and provides the following benefits:

- Provides solutions to transportation problems ranging from transportation

system management options for maximum system productivity to major infrastructure improvement projects. Use of multimodal and intermodal solutions to relieve congestion and ensure system-wide connectivity.

- Emphasizes and identifies the importance of specific goods movement and intermodal transfer facilities projects, both private and public.
- Serves as an internal reference of potential future state highway, multimodal and intermodal improvements at a statewide and District level; and may be used in the development of the California Transportation Plan (CTP) as well as other statewide transportation policy and program documents.
- Supports the requirements of U.S.C. 23; section 135 and 23 CFR part 450 and 49 CFR part 613, which requires the state to carry out an intermodal planning process for all areas of the state including metropolitan areas.

The TSDP is intended to be a living, dynamic document that will be regularly updated. It will be available electronically for internal Caltrans functions within District 6, Headquarters, and our local and regional transportation partners.

II. RELATIONSHIP TO OTHER SYSTEM PLANNING PRODUCTS

The TSDP is one of the primary system planning products of the District and its development is closely coordinated with the other three: District System Management Plan (DSMP), Transportation Concept Reports (TCR), and Corridor System Management Plans (CSMP).

A. District System Management Plan (DSMP)

The DSMP is a strategic and policy planning document that portrays the District's vision of how the transportation system will be maintained, managed, and developed over a twenty-year and beyond period. As with the TSDP, the DSMP is developed in partnership with regional and local transportation planning agencies, transit districts, and air quality planning agencies. The DSMP summarizes twenty-year planning concepts as well as proposed transportation improvements on a system-wide level in order to provide a vision for the development of future transportation concepts and transportation development plans.

B. Transportation Concept Reports (TCR)

A TCR analyzes a transportation corridor service area, establishes a twenty-year transportation planning concept and identifies modal transportation options and applications

needed to achieve the twenty-year concept. The TCR is the generic analysis document for a major transportation service area, whether it be a facility, corridor, or study area. Each transportation corridor is evaluated on how it is expected to perform in twenty years considering funding, environmental and political feasibility. Beyond the twenty-year planning horizon, the report focuses on corridor preservation, the ultimate transportation corridor, and new technologies. The development of the transportation planning concept established in the TCR is consistent with the strategies of the DSMP.

C. Corridor System Management Plans (CSMP)

The CSMP is a new system planning activity involving the development of strategies to manage the delivery of transportation services along specific segments of the most congested corridors in the District. Each CSMP presents an analysis of existing and future traffic conditions and proposes traffic management strategies and transportation improvements to maintain and enhance mobility. The CSMP is a CTC requirement for projects funded by the Corridor Mobility Improvement Account (CMIA) under Proposition 1B of 2006. The CSMP serves as a tool to monitor and maintain the mobility gains from corridor capacity improvements. The CSMP also maintains the Strategic Growth Plan requirement for monitoring corridor performance.

III. TSDP IMPROVEMENT CATEGORY DEFINITIONS

A. Intermodal (Goods Movement and Freight) – Category 1

This category includes improvements on and off the state highway system that primarily improve the intra and interstate system through intermodal transfer of goods by way of seaports, railheads, air cargo terminals, international border crossings, state or regional goods distribution centers, freight distribution routes and transfer terminals.

Types of projects include: capacity improvements, new interchange locations, corridor preservation; highway main line additions near airports, seaports, railheads, and freight transfer locations; highway and main line additions in high truck volume corridors to facilitate through movements; capacity improvements on major local arterials serving intermodal facilities, freight transfer facilities, and international border crossings.

B. Multimodal (Intercity Passenger, Commuter and Urban Rail, Bus way) – Category 2

This category includes improvements from a larger system's perspective that will facilitate the movement, transfer, and intermodal connectivity of people in existing major corridors or those that identify new travel corridors. The intent is to preliminarily identify state highway corridors where expansion or start up of a rail or exclusive bus way facility may

be warranted in the longer term. Major transfer locations (not sites) should be included as appropriate.

Types of projects include: increased intercity rail service on existing routes, new intercity routes, rail corridor preservation and increased service on existing commuter and urban rail lines, new commuter and urban lines, and major transfer facilities.

C. Non-Urbanized (Roadway) – Category 3

This category includes State highway improvements and improvements to major local arterials that facilitate interregional travel. Off system improvements that serve the larger local and regional traffic volumes of the facilities and may serve as emergency routes are also included. Improvement in rural, recreational, and urbanized areas is in this category. For State routes, attention should be paid to identifying gap closures, corridor preservation, and segments that should be constructed to expressway standards. Improvement to local routes or route segments, routes that serve as parallel relievers, or are critical for interregional or recreational trips should be identified.

Types of projects include: new mainline lane additions, bypasses, expressways and freeway facilities, local and state route corridor preservation, interchanges, interchange improvements, passing and truck climbing lanes, major channelization and lane additions to local routes.

D. New Technology – Category 4

Category 5 includes projects on State routes, major local streets, major corridors and modes where new technology applications may be promising. Attention should be given to Intelligent Transportation Systems (ITS), which are technological tools used for addressing transportation management and operational needs. The tools that make up ITS represent the integrated application of advance information, electronic communications and other technologies that address transportation problem areas. These tools enhance safety, reduce accidents, maximize the efficient use of the highway system, improve travel times, provide traveler information, conserve fuel, and reduce pollutants. Primarily, the Transportation Operation System (TOS) is an ITS infrastructure that is used for real-time traffic monitoring and incident and congestion management for improving mobility, increasing highway efficiency, increasing public safety, and reducing congestion.

Types of projects include: the placement or implementation of TOS elements such as: Closed Circuit Television Cameras (CCTV), Changeable Message Signs (CMS), Extinguishable Message Signs (EMS), Electronic Tag Reader (ETR), Highway Advisory Radio (HAR), and Traffic Monitoring Stations (TMS).

E. Complete Projects and Enhancements – Category 5

This category includes system improvements that complete or enhance

a project, improve connectivity, complement the intermodal movement of people and goods, and improve the environment or integration of an improvement into a community.

Types of projects include: major landscaping, vista points, mitigation banking, bicycle lanes (Class I and II) and pedestrian facilities in or near major transportation corridors or modal transfer facilities; improvements that facilitate or enhance modal transfers overall; improvements that emphasize community wholeness and livability; and improvements to truck transfer centers or rest/layover facilities.

IV. COUNTY MAPS AND PROJECT LISTS

Caltrans District 6 is headquartered in Fresno, California. The District is geographically diverse, stretching from the southernmost part of Yosemite National Park in the north to the Mojave Desert. It is the second largest of the 12 Districts statewide. District 6 consists of 476 miles of freeway and 1,554 miles of rural and urban highway. The District has the largest portion of road miles to maintain in the state highway system with 2,030 miles. The counties of Fresno, Kern, Kings, Madera, Tulare, and a small part of Mariposa are included in District 6.

**MAP #2
FRESNO COUNTY**

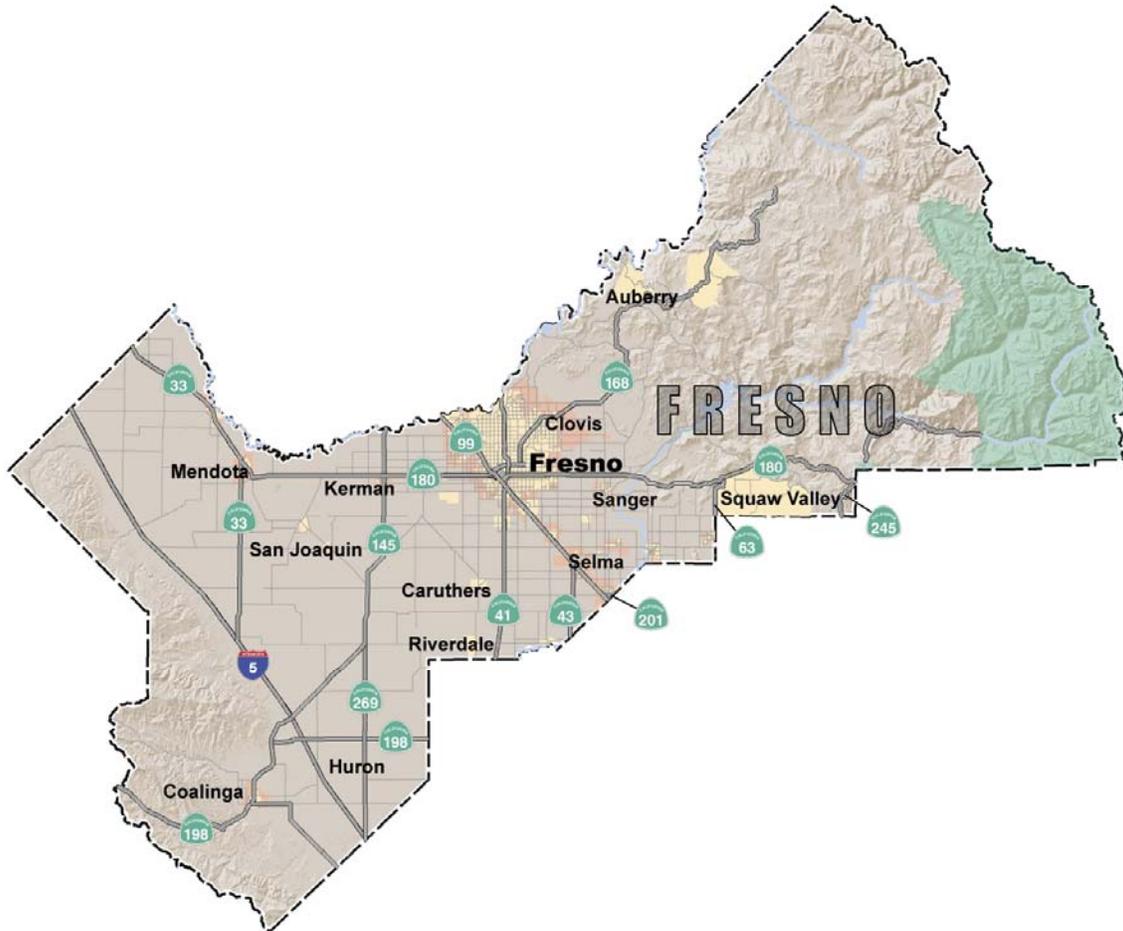


TABLE 1 FRESNO COUNTY PROJECTS										
Route	Post Mile	Project Name	Project Description	Project Type	Category (1 - 6)	Agency	Funding Source	IRRS, High Emphasis or Focus Route	2011 Estimated Total Const. Cost X (1,000)	Project Delivery Date
0	Various	FRE 41 Seismic Restoration	On routes 33, 41, 43, and 233/152 in Fresno, Kings, and Madera counties at various locations	Seismic Retrofit	3	CT	SHOPP	Varies by route	\$4,219	2016
0	Various	Central Valley CCTV	Install Closed Circuit TV system and TMS in Fresno, Kern, Tulare, Kings, and Madera Counties at various locations	ITS	5	CT	SHOPP	Varies by route	\$3,928	2019
0	Various	HST – Fresno Grade Separation	Fresno Street/HSR grade separation, in the City of Fresno, from SR 99 to H Street	Rail	2	CT	Oversight, Reimbursed, Rail, STIP	NA	\$6,000	2012
0	Various	HST - Fresno to Merced Segment	High Speed Train (HST) system from north of Clinton avenue in Fresno to the City of Merced in various counties	Rail	2	CT	Oversight, Reimbursed, Rail, STIP	Varies by route	\$203	2014
0	Various	HST – Bakersfield to Fresno Segment	High Speed Train (HST) system from Bakersfield to north of Clinton avenue in Fresno in various counties	Rail	2	CT	Oversight, Reimbursed, Rail, STIP	Varies by route	\$203	2014
0	0	Peach Avenue Widening	Widen to 4 Lane Arterial and add a Pedestrian OC from Belmont Ave to Butler Avenue	Pedestrian Enhancements	5	Local	Local	NA	\$10,000	2013
5	1.2	Coalinga SRRA interpretive plaza	Safety Roadside Rest Area Enhancement on I-5 at the Coalinga safety roadside rest area Near the City of Coalinga	Roadside Facilities	5	CT	STIP	IRRS: HE	\$555	ND
5	22.8 - 26.8	Parkhurst Median Barrier	Install median barrier	Safety	3	CT	SHOPP	IRRS: HE	\$2,171	2012
5	44.9	Tumey Gulch Grade Correction	Grade correction in Fresno County near Mendota at Tumey Gulch bridge	Operational Improvements	3	CT	Minor	IRRS: HE	\$883	2012
5	48.8 - 56	Little Panoche Rehab	Rehab pavement, AC overlay, drainage improvements, upgrade Median Barrier Guard Rail	Maintenance	3	CT	SHOPP	IRRS: HE	\$21,158	2016

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Route	Post Mile	Project Name	Project Description	Project Type	Category (1 - 6)	Agency	Funding Source	IRRS, High Emphasis or Focus Route	2011 Estimated Total Const. Cost X (1,000)	Project Delivery Date
33	0.00	Seismic Retrofit	Seismic Retrofit various bridges in Fresno, Madera, Kings, Tulare Counties	Seismic Retrofit	3	CT	SHOPP	No	\$4,154	2012
33	10.6 - 11.4	Jacalitos Creek Bridge	At Jacalitos Creek, east of Coalinga	Bridge Replacement	3	CT	SHOPP	No	\$6,932	2016
33	68.3 – 71.2	Firebaugh 33 Corridor Enhancement	Beautification measures on Route 33 in the City of Firebaugh between south of Outside Canal and north of Storey Avenue	Aesthetic Enhancements	5	CT	Measure	No	\$1,889	ND
41	0.1 - 7.1	Excelsior Expressway	2 lanes to 4 lanes from north of Excelsior to north of Elkhorn	Capacity Enhancements	3	CT	STIP	IRRS: HE, Focus	\$52,000	2015
41	R17.8 - R19.8	Easton 41 Tree Planting	Tree planting enhancement	Highway Planting	5	CT	STIP	IRRS: HE, Focus	\$512	ND
41	20.0 - 33.3	Fresno Madera 41 Fiber Optics	Install Fiber Optics from North Ave to north of the San Joaquin River	ITS	4	CT	SHOPP	IRRS: HE, Focus	\$9,144	2016
41	R22.9 – R26.5	NB Downtown Auxiliary Lane	Construct auxiliary lane in Fresno County in the City of Fresno from “O” Street to Shields	Operational Improvements	3	CT	SHOPP	IRRS: HE	\$15,000	ND
41	R25.2 - R31.7	Ramp Improvement at SR 41 and SR 180	Install concrete barriers to provide wet weather improvements at various ramp locations	Safety	3	CT	SHOPP	IRRS: HE	\$1,360	2014
41	R29.3 – R30.7	Buckwheat Planting Restoration	Highway planting restoration in Fresno from south of Bullard Ave OC to north of Herndon Ave UC	Highway Planting	5	CT	SHOPP	IRRS: HE	\$2,422	2016
41	R31.2 – R31.9	Friant SB Operational Improvement	Lane addition between El Paso Avenue UC and Friant Road UC	Capacity Enhancements	3	CT	SHOPP	IRRS: HE	\$11,496	2016
41	R31.4 - R32.3	Friant to Audubon Soundwall	Construct soundwall	Soundwall	5	CT	STIP	IRRS: HE	\$1,693	2013

TABLE 1 FRESNO COUNTY PROJECTS										
Route	Post Mile	Project Name	Project Description	Project Type	Category (1 - 6)	Agency	Funding Source	IRRS, High Emphasis or Focus Route	2011 Estimated Total Const. Cost X (1,000)	Project Delivery Date
41	31.5 – 31.9	Herndon to Friant Landscaping	Landscaping in Fresno from north of Herndon to the Friant Road UC	Highway Planting	5	CT	STIP	IRRS: HE	ND	ND
41	R31.6 – 33.3	Friant Road Tree Planting	Tree planting in Fresno from Friant Road UC to the San Joaquin River	Highway Planting	5	CT	STIP	IRRS: HE	ND	ND
41	33.3 – 33.4	FRE 41 Seismic Retrofit	Bridge seismic retrofit on old Route 41 in Fresno and Madera Counties	Seismic Retrofit	3	CT	SHOPP	IRRS: HE	\$4,219	2016
43	0.0 – 9.3	Highland Avenue 4 Lane	2C to 4 lane divided highway from Kings County Line to SR 99 junction	Capacity Enhancements	3	CT	STIP	No	\$18,401	2020
99	10.5 – 16.5	Fre/Mad 99 Vehicle Detection System	Install vehicle detection system in Fresno and Madera Counties	ITS	4	CT	Minor	IRRS: HE, Focus	\$845	2012
99	15.7 - 21.8	Route 99 Fiber Optics	Install fiber optic system from Chestnut Ave. OC to Shaw Ave. OC	ITS	4	CT	SHOPP	IRRS: HE, Focus	\$9,269	2013
99	20.7 - 24.4	Roeding Auxiliary Lane	Construct NB & SB auxiliary lanes from Fresno Street OC to Clinton OC	Auxiliary lane	3	CT	STIP	IRRS: HE, Focus	\$37,320	2018
99	23.0 - 30.4	Southbound 99 Ramp Metering	Install ramp metering and possibly widen ramps	ITS	4	CT	SHOPP	IRRS: HE, Focus	\$7,655	2016
99	23.4	Olive Ae Signals	Install traffic signals at SR 99/Olive Avenue on & off ramps and ramp metering	ITS	4	CT	Minor	IRRS: HE, Focus	\$1,631	2013
99	26.2 - 26.6	NB Ramp Upgrade	Additional lane for SR 99/Ashlan Avenue off-ramp	Operational Improvements	3	CT	SHOPP	IRRS: HE, Focus	\$2,175	2015
99	26.7 – R31.6	Island Park 6-Lane	Widen 4F to 6F from north of Ashlan Avenue in Fresno County to North of Avenue 7 in Madera County	Capacity Enhancements	1	CT	Prop 1B Bond	IRRS: HE, Focus	\$50,602	2012
99	27.7 - 28.3	Shaw Avenue Interchange	Reconstruct Shaw Ave Interchange	Interchange Improvement	3	CT	STIP	IRRS: HE, Focus	\$9,075	2024

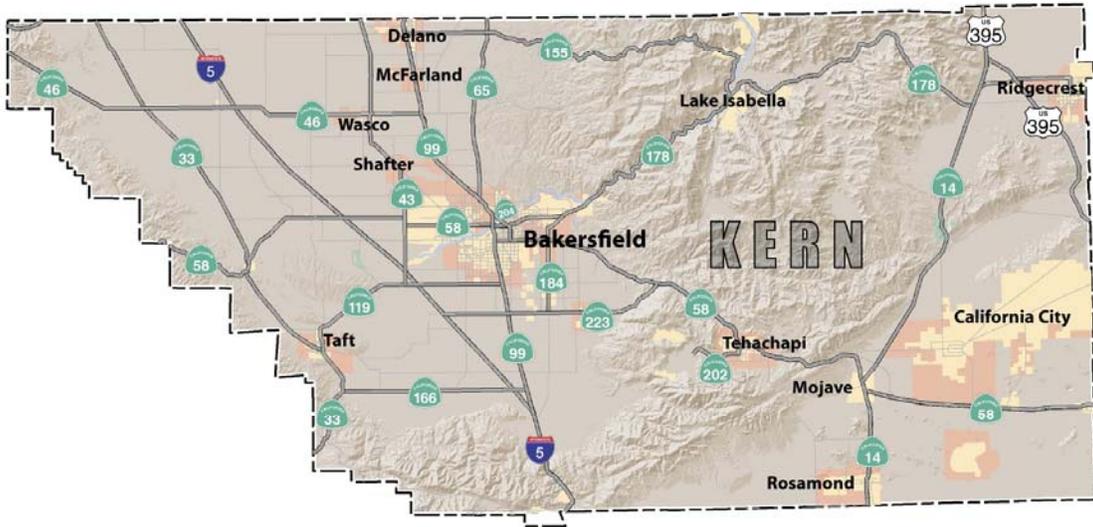
TABLE 1 FRESNO COUNTY PROJECTS										
Route	Post Mile	Project Name	Project Description	Project Type	Category (1 - 6)	Agency	Funding Source	IRRS, High Emphasis or Focus Route	2011 Estimated Total Const. Cost X (1,000)	Project Delivery Date
99	27.7 – 31.6	Shaw to San Joaquin River 99 Planting	Tree Planting	Highway Planting	5	CT	STIP	IRRS: HE, Focus	\$974	2014
99	28.4 - 31.5	Island Park Landscape	New highway planting	Highway Planting	5	CT	SHOPP	IRRS: HE, Focus	\$2,796	2014
99	28.8 - 30.9	Veteran's Boulevard Interchange	New interchange between Shaw and Herndon	New Interchange	1	Local	Measure	IRRS: HE, Focus	\$54,860	2016
99	30.7	Herndon Avenue Interchange Improvements	Remove off-ramp and interchange improvements	Operational Improvements	3	Local	Developer/ Oversight	IRRS: HE, Focus	\$2,959	2012
145	25.1 - 29.1	Madera Avenue Rehab	AC overlay & widening from McMullin Grade to Lincoln Ave	Operational Improvements	3	CT	SHOPP	No	\$2,725	2018
145	32.8 - 33.4	Kerman Roundabout SR 145/Jensen	Construct roundabout	Operational Improvements	3	CT	SHOPP	No	\$1,104	2014
168	R7.8 – R8.2	168 Ramp Meters	Ramp metering from west of Fowler Avenue to east of Fowler Avenue	ITS	4	CT	Minor	No	\$995	2013
168	14.4 - 15.0	Shepherd Curve Realignment	Realign the horizontal curve	Operational Improvements	3	CT	SHOPP	No	\$1,866	2012
168	T29.0 - T29.4	Prather Curve Correction	Realign curve	Operational Improvements	3	CT	SHOPP	No	\$2,700	2015
168	30.2	Auberry Road Intersection	Intersection improvements at Auberry Road	Intersection Improvement	3	CT	SHOPP	No	\$1,900	ND
168	R36.0	Munger Point Enhancement	Enhance vista point	Roadside Facilities	5	CT	STIP/TE	No	\$1,464	2014
168	39.4 – 40.4	Shaver Lake Weigh Station	Construct chain control area and reconstruct weigh station	Roadside Facilities	5	CT	SHOPP	No	\$1,444	2015
180	0.0	Fresno-Clovis ADA Ramps	Construct ADA ramps in the Cities of Fresno and Clovis	Pedestrian Enhancements	5	CT	SHOPP	No	\$1,200	ND

TABLE 1 FRESNO COUNTY PROJECTS										
Route	Post Mile	Project Name	Project Description	Project Type	Category (1 - 6)	Agency	Funding Source	IRRS, High Emphasis or Focus Route	2011 Estimated Total Const. Cost X (1,000)	Project Delivery Date
180	R9.0 - R54.2	Westside Expressway	Route adoption study for a new roadway segment from I-5 to Valentine Ave	New Alignment	1	Local	TCRP, Measure	No	\$500	ND
180	34.6 - 38.6	Mendota Passing Lanes	Add passing lanes between James Road and Lake Ave	Operational Improvements	3	Local	Measure	No	\$11,490	2018
180	R53.4 – R55.8	180 West Freeway Landscape	Highway planting from west of Brawley Avenue to Teilman Avenue	Highway Planting	5	CT	STIP	No	\$3,484	2016
180	R58.4 – R60.4	180 Braided Ramps	Braided ramps, In Fresno County, between SR 41 and SR 168	Operational Improvements	3	CT	SHOPP	IRRS	\$49,002	2016
180	R62.6 – R66.3	Sequoia Freeway Landscape Project	Highway Planting on new freeway	Highway Planting	5	CT	STIP	IRRS	\$5,546	2012
180	71.6 - 75.0	Kings Canyon Expressway Segment 2	Widen from 2C to 4E from Academy to Trimmer Springs	Capacity Enhancements	3	CT	STIP	IRRS	\$19,600	2013
180	75.0 - 78.2	Kings Canyon Expressway Segment 3	Widen from 2C to 4E from Trimmer Springs to Frankwood	Capacity Enhancements	3	CT	STIP	IRRS	\$24,700	2016
180	77.1	Kings River Overflow Bridge Replacement	Replace the Kings River overflow bridge	Bridge Replacement	3	CT	SHOPP	IRRS	\$2,829	2013
198	35.3 – 35.6	FRE 198 Bridge Deck Replacement	Replace bridge deck at California Aqueduct Bridge near Huron	Bridge Deck Replacement	3	CT	SHOPP	IRRS: HE, Focus	\$33	2016
269	7.6 - 12.7	Route 269 Bridge Project	Construct new bridge between Gale Ave and Route 198	New Bridge	3	CT	Measure	No	\$16,295	2019

IRRS: Interregional Road System
 HE: High Emphasis Route
 ND: Not Determined
 CAPM: Capital Preventive Maintenance
 STIP: State Transportation Improvement Program
 SHOPP: State Highway Operation and Protection Program
 NA: Not Applicable



**MAP #3
KERN COUNTY**



**TABLE 2
KERN COUNTY PROJECTS**

Route	Post Mile	Project Name	Project Description	Project Type	Category (1 - 6)	Agency	Funding Source	IRRS, High Emphasis or Focus Route	2011 Estimated Total Const. Cost X (1,000)	Project Delivery Date
0	Various	District 6 Weather Stations	Install weather stations in various locations in Kern County	ITS	4	CT	SHOPP	Varies	\$5,991	2015
0	Various	HST – Palmdale to Bakersfield Segment	High speed Train System from Palmdale to Bakersfield	Rail	2	CT	Oversight, Reimbursed, Rail, STIP	NA	\$203	ND
5	0.0 – 1.0	Cuddy Bridge Replacement	Replace bridge in Kern County, north of the LA County line	Bridge Replacement	3	CT	SHOPP	IRRS: HE	\$20,000	ND
5	4.4 - 15.0	Grapevine Freeway	Widen freeway from 8 to 10 lanes from Lebec Road to Route 99	Capacity Enhancements	1	CT	STIP	IRRS: HE	ND	ND
5	8.2 - 9.4	Outside Truck Escape Ramp	Retrofit ramp	Operational Improvements	3	CT	SHOPP	IRRS: HE	\$9,545	2016
5	16.3 - 73.2	Kern River 6-Lane	Widen freeway from 4 to 6 lanes from Route 99 to Route 46	Capacity Enhancements	1	CT	STIP	IRRS: HE	\$119,646	2022
5	69.6 – 73.1	Lost Hills Median Barrier	Install median barrier and rumble strip, between the Main Drain Rd OC and SR 46/I-5 Sep	Safety	3	CT	SHOPP	IRRS: HE	\$1,504	2014
14	35.5 - 37.1	South Redrock Rehab	Widen, raise grade, AC overlay from Rogers Road to south of Cantil Wash Bridge	Operational Improvements	3	CT	SHOPP	IRRS: HE, Focus	\$13,502	2017
14	39.9	Red Rock Canyon Bridge Replacement	Replace Red Rock Canyon Bridge	Bridge Replacement	3	CT	SHOPP	IRRS: HE, Focus	\$16,439	2013
14	46.2 - 50.8	Little Dixie Wash Rehab	AC overlay and widen shoulders from near Cantil to north of Red Rock-Inyokern Road	Operational Improvements	3	CT	SHOPP	IRRS: HE, Focus	\$6,661	2016
14	53.0 – 58.3	Freeman Gulch Widening Segment 2	2C to 4-lane expressway from south of Route 178 west to north of Route 178 west	Capacity Enhancements	3	CT	STIP	IRRS: HE, Focus	\$5,084	2016

TABLE 2 KERN COUNTY PROJECTS										
Route	Post Mile	Project Name	Project Description	Project Type	Category (1 - 6)	Agency	Funding Source	IRRS, High Emphasis or Focus Route	2011 Estimated Total Const. Cost X (1,000)	Project Delivery Date
14	58.3 – 62.3	Freeman Gulch Widening Segment 1	2C to 4-lane expressway from north of the Route 178/Route 14 intersection to north of Route 178 east	Capacity Enhancements	3	CT	STIP	IRRS: HE, Focus	\$32,257	2015
33	0.00	Route 33 Inland State Bike Route	Bike route in Ventura, Santa Barbara, San Luis Obispo, Kern, Kings, Fresno, Merced, Stanislaus, and San Joaquin Counties	Pedestrian/ Bicycle Enhancements	5	CT	STIP	No	\$1	ND
33	14.4 - 17.9	Taft South Rehab	AC overlay and widen shoulders from Cadet Road to the Route 119 junction	Operational Improvements	3	CT	SHOPP	No	\$4,980	2017
33	19.6 - 34.3	Taft - McKittrick Rehab	AC overlay and widen shoulders from north of Sandy Creek to Route 58 EB junction	Operational Improvements	3	CT	SHOPP	No	\$10,948	2017
43	22.6 – 25.1	Kern 43 ADA Ramps	ADA curb ramps in Shafter and Wasco	Pedestrian Enhancements	5	CT	Minor	No	\$320	ND
43	R23.9 – R24.1	Wasco-SR 43 Landscape Project	Landscape improvements in Wasco	Highway Planting	5	CT	STIP	No	\$586	2013
46	6.8 – 19.8	Route 46 Expressway Segment 3	Widen to 4 lanes, near Lost Hills, from west of Keck's Rd to west of the SR 46/33 intersection	Corridor Mobility	1	CT	STIP	IRRS: HE, Focus	\$62,944	2016
46	27.0 - 33.5	Route 46 Conventional/Expressway Segment 4	Widen from 2 to 4 lanes from east of Browns Material Road to east of I-5 IC	Capacity Enhancements	3	CT	STIP	IRRS: HE, Focus	\$260,131	2016
46	32.8 - 37.2	Kurt Road Rehab	AC overlay and widen	Operational Improvements	3	CT	SHOPP	No	\$9,319	2016
46	46.0 - 51.2	Wasco 4-Lane	Widen from 4 lanes from west of Scofield Avenue to Route 43	Capacity Enhancements	3	CT	STIP	No	\$54,332	ND
46	51.2 - 57.8	Famoso 4-Lane	Widen from 2 to 4 lanes from Route 43 junction to Route 99 OC	Capacity Enhancements	3	CT	STIP	No	\$81,748	2019



**TABLE 2
KERN COUNTY PROJECTS**

Route	Post Mile	Project Name	Project Description	Project Type	Category (1 - 6)	Agency	Funding Source	IRRS, High Emphasis or Focus Route	2011 Estimated Total Const. Cost X (1,000)	Project Delivery Date
46	57.5 - 57.8	Rte 46/99 Ramp Improvements	Improvements to the 46 & 99 EB off-ramp and SB on-ramp	Operational Improvements	3	Local	Local	No	\$1,346	2021
46	57.5 - 57.8	Kern 46/99 Bridge Separation Replacement	Bridge replacement at the Route 46/99 separation	Bridge Replacement	3	CT	SHOPP	No	\$11,980	2016
58	T31.7 - R55.4	Centennial Corridor Project	Construct 8-lane freeway on the Centennial corridor between Route 58 and Interstate 5	New alignment	1	Local	Demo	NA	\$439,000	2018
58	36.3 - 39.9	Rosedale Rumble Strip	Widen shoulders and install rumble strips	Safety	3	CT	SHOPP	IRRS: HE, Focus	\$1,900	ND
58	46.1 - 51.7	Rosedale Highway Improvements	Widen to 4 or 6 lanes between Allen Road and Gibson Street	Capacity Enhancements	1	Local	Demo, Local	IRRS: HE, Focus	\$36,009	2015
58	R52.4 - R55.4	Route 58 Gap Closure	4F to 6F from Route 99 to Cottonwood Road	Capacity Enhancements	1	CT	STIP	IRRS: HE, Focus	\$52,454	2015
58	52.6 - 53.3	"H" Street Auxiliary Lane	Construct auxiliary lane	Operational Improvements	3	CT	SHOPP	IRRS: HE, Focus	\$15,497	2017
58	71.9 - 74.0	Beale-Bena Truck Climbing Lane	Construct truck climbing lanes	Operational Improvements	1	CT	SHOPP	IRRS: HE, Focus	\$10,517	2016
58	92.1 - 93.2	Dennison Road Improvements	Replace OC with 4-lane OC and construct partial cloverleaf interchange at Dennison Road Bridge	Capacity Enhancements	3	CT	STIP	IRRS: HE, Focus	\$11,500	ND
58	94.4	Tehachapi Blvd/Intersection Improvements	Pavement, signs, and striping at Tehachapi Boulevard	Operational Improvements	3	CT	Minor	IRRS: HE, Focus	\$250	ND
58	R99.3 - R99.7	East Bound Sand Canyon Bridge	Bridge replacement	Bridge Replacement	3	CT	SHOPP	IRRS: HE, Focus	\$2,909	2015
58	99.3 - 99.7	West Bound Sand Canyon Bridge	Bridge replacement	Bridge Replacement	3	CT	SHOPP	IRRS: HE, Focus	\$2,719	2013
58	R106.7 - R107	Cache Creek Median Barrier	Install concrete median barrier	Safety	3	CT	SHOPP	IRRS: HE, Focus	\$1,476	2012

**TABLE 2
KERN COUNTY PROJECTS**

Route	Post Mile	Project Name	Project Description	Project Type	Category (1 - 6)	Agency	Funding Source	IRRS, High Emphasis or Focus Route	2011 Estimated Total Const. Cost X (1,000)	Project Delivery Date
58	M108.9	Mojave Windscreen	Install windscreen at exit to Business Route 58 near Mojave	Roadside Facilities	5	CT	SHOPP	IRRS: HE, Focus	\$818	2012
58	R111.8	Kenwater Overhead Revegetation	Revegetation to restore ecological area near Mojave	Highway Planting	5	CT	SHOPP	IRRS: HE, Focus	\$3,256	2015
65	R0.0 - 25.2	Foothill Expressway - South	Construct passing lanes and intersection improvements from Route 99 to the Tulare Co line	Operational Improvements	3	CT	STIP	IRRS	\$7,881	2019
99	0.0 - 57.6	Route 99 Corridor Master Plan	Develop Route 99 Master Plan from the I-5/Route 99 separation to the Merced County line	Operational Improvements	1	CT	STIP	IRRS: HE, Focus	ND	ND
99	0.5 - 57.6	Tejon 99 Corridor Bridge Enhancement	Bridge enhancement in southern Kern County at various locations on 99	Bridge Enhancement	3	CT	STIP, TE	IRRS: HE, Focus	\$723	ND
99	17.5 - 29.9	South Bakersfield 8-Lane	Widen from 6 to 8 lanes from south of Route 119 to Wilson Road OC	Capacity Enhancements	1	CT	STIP	IRRS: HE, Focus	\$31,504	2012
99	17.5 - 29.9	Southern Kern County Bridges	99 Corridor-Bridge enhancement	Bridge Improvements	3	CT	STIP/TE	IRRS: HE, Focus	\$1,061	2013
99	18.0 - 19.2	Hoskings Road Interchange	Construct new interchange in the City of Bakersfield at Hoskings Avenue	Capacity Enhancements	1	Local	Local	IRRS: HE, Focus	\$60,823	2012
99	19.5 - 20.5	Panama Lane Aux Lane	Construct SB aux lane at Panama Lane off-ramp	Operational Improvements	3	CT	Minor	IRRS: HE, Focus	\$1,000	2013
99	19.5 - 26.0	South Bakersfield Ramp Metering	Install ramp metering systems from Panama Lane to Buck Owens Boulevard	Operational Improvements	4	CT	SHOPP	IRRS: HE, Focus	\$4,500	ND
99	22.3 - 30.4	North Bakersfield Ramp Metering	Install ramp metering systems from White Lane to 7th Standard Road	Operational Improvements	4	CT	SHOPP	IRRS: HE, Focus	\$4,000	ND

**TABLE 2
KERN COUNTY PROJECTS**

Route	Post Mile	Project Name	Project Description	Project Type	Category (1 - 6)	Agency	Funding Source	IRRS, High Emphasis or Focus Route	2011 Estimated Total Const. Cost X (1,000)	Project Delivery Date
99	22.7 - 23.2	Ming Auxiliary Lane	Construct auxiliary lane	Operational Improvements	3	CT	SHOPP	IRRS: HE, Focus	\$18,988	2017
99	23.9 - 24.6	California Auxiliary Lane	Construct auxiliary lane	Operational Improvements	3	CT	SHOPP	IRRS: HE, Focus	\$24,014	2018
99	24.6	California Avenue On-Ramp Improvements	Relocate right-turn lane of the SB 99 On-Ramp	Operational Improvements	3	CT	SHOPP	IRRS: HE, Focus	\$1,174	2013
99	25.9	Buck Owens Drive Ramp Improvements	Widen off-ramp	Operational Improvements	3	CT	SHOPP	IRRS: HE, Focus	\$4,892	2016
99	26.7	Kern County Seismic Restoration	Seismic restoration in Bakersfield	Seismic Retrofit	3	CT	SHOPP	IRRS: HE, Focus	\$45	2016
99	26.8 – R28.4	Oildale Rumble Strips	Widen Shoulder and grind in rumble strips	Maintenance	3	CT	SHOPP	IRRS: HE, Focus	\$981	2012
99	27.0 - 27.8	Olive Avenue Auxiliary Lane	Construct NB auxiliary lane and widen Olive Avenue Off-Ramp	Operational Improvements	3	Local	Dev/OS	IRRS: HE, Focus	\$1	ND
99	27.0 - R28.3	Kern 99 North Widening	6F to 8F	Capacity Enhancements	1	Local	STIP	IRRS: HE, Focus	\$10,078	2012
99	27.0 - 27.9	Olive Avenue Southbound Auxiliary Lane	Construct SB auxiliary lane and widen Olive Avenue Off-Ramp	Operational Improvements	3	Local	Local	IRRS: HE, Focus	\$2,100	2012
99	27.0 – 27.8	Route 204 Auxiliary Lane	Construct SB auxiliary lane, widen SR 204, install ramp meters, and widen Olive onramp	Operational Improvements	3, 4	CT	SHOPP	IRRS: HE, Focus	\$1	ND
99	27.3	Hageman Road Flyover	Extension and connection to Route 204 between Golden State Avenue (Route 204) and Airport Drive	Operational Improvements	3	CT	Demo	IRRS: HE, Focus	\$33,400	2016
99	27.8 - 28.1	Olive Drive Interchange	Expand the Olive Drive interchange	Operational Improvements	3	Local	STIP	IRRS: HE, Focus	\$7,700	2033

**TABLE 2
KERN COUNTY PROJECTS**

Route	Post Mile	Project Name	Project Description	Project Type	Category (1 - 6)	Agency	Funding Source	IRRS, High Emphasis or Focus Route	2011 Estimated Total Const. Cost X (1,000)	Project Delivery Date
99	30.3	Northern Kern 99 Corridor Bridge Enhancement	Bridge enhancements at various locations from 7 th Standard Road to County Line Road	Bridge Improvements	3	CT	STIP	IRRS: HE, Focus	\$1,386	2017
99	46.9 – 48.9	McFarland Rumble Strip	Construct rumble strip near McFarland	Safety	3	CT	SHOPP	IRRS: HE, Focus	\$1,800	ND
99	49.0 – 50.0	Kern Avenue and Sunny Lane POC's	ADA compliance upgrades	Pedestrian Enhancements	5	CT	SHOPP	IRRS: HE, Focus	\$11,773	2016
99	49.3 - 56.5	Northern Kern County Bridges	99 Corridor-Bridge enhancement in various locations in McFarland and Delano	Bridge Improvements	3	CT	STIP/TE	IRRS: HE, Focus	\$485	2015
99	54.0 – 55.0	Woollomes Avenue Delano	Tree planning near Delano	Highway Planting	5	CT	STIP, TE	IRRS: HE, Focus	\$840	2015
119	0	Extend Culverts or Install K Rails - 6 Locations	Install guardrail and extend culverts	Maintenance	3	CT	SHOPP	No	\$1,809	2014
119	5.5 - 10.3	Cherry Avenue 4-Lane	Widen from 2 to 4 lanes from east of Elk Hills Road to east of Elk Hills Road	Capacity Enhancements	3	CT	STIP	No	\$48,384	2017
119	19.9 - 31.2	Pumpkin Center East Rehab	Pavement rehab, widen shoulders, slope correction, realignment	Operational Improvements	3	CT	SHOPP	No	\$17,232	ND
155	1.5	Delano Roundabout	Intersections improvements	Operational Enhancements	3	CT	SHOPP	No	\$1,000	ND
178	0.0 – 0.4	SR 178 (24 th) and Oak St – Construct Improvements	Intersection improvements and widening of 24 th Street (SR 178)	Operational Improvements	3	CT	Demo	No	\$10,928	2015
178	0.0	SR 99 to Centennial Corridor	New 8-lane freeway from north of SR 204 to east of Haley Street	New freeway	1	CT	Demo	No	\$87,500	2021
178	0.4 - 1.9	Rte 178 (24 th St) Oak St to M Street – Widen Existing Highway	Widen 24 th Street (SR 178) by one lane in each direction	Capacity Enhancements	3	Local	Demo	No	\$34,058	2015
178	6.7 - 9.2	Morning Drive Interchange	Construct new interchange at Morning Drive	Capacity Enhancements	1	Local	Demo, local	No	\$78,443	2013

**TABLE 2
KERN COUNTY PROJECTS**

Route	Post Mile	Project Name	Project Description	Project Type	Category (1 - 6)	Agency	Funding Source	IRRS, High Emphasis or Focus Route	2011 Estimated Total Const. Cost X (1,000)	Project Delivery Date
178	R8.2 - 11.8	SR 178 Widening from Vineland to Miramonte	Widen highway between Vineland and Miramonte	Capacity Enhancements	3	Local	Demo	No	\$21,579	2015
178	8.7 – 30.4	178 Route Adoption	Route adoption study on new alignment	New Alignment	1	CT	STIP	IRRS	ND	ND
178	45.5 - 47.7	Lake Isabella Rehab	AC overlay and shoulder widening west of Lake Isabella Boulevard to Launching area no. 16 intersection	Operational Improvements	3	CT	SHOPP	IRRS	\$9,865	2017
178	52.6 - 57.0	Kelso Overlay	AC overlay and widen shoulders	Operational Improvements	3	CT	SHOPP	IRRS	\$5,022	2017
178	100.6 – 102.7	None	Reconstruct center median with raised center median	Maintenance	3	CT	Minor	IRRS	\$997	ND
184	1.0	Lamont Signal at DiGiorgio Rd	Modify signals, construct left lane, and curb ramps, also construct ADA ramps, in Lamont at DiGiorgio Rd	Operational Improvements		CT	Minor	No	\$482	2013
184	7.6 - 12.1	Hermosa Rehab	AC overlay and widen to 40'	Operational Improvements	3	CT	SHOPP	No	\$13,061	2016
204	5.6 – 6.8	Buck Owens Planting Rehab	Highway planting restoration	Highway Planting	5	CT	SHOPP	IRRS: HE, Focus	\$1,907	2017
204	4.8 – 17.2	None	Widen shoulders and install rumble strips	Maintenance	3	CT	SHOPP	IRRS: HE, Focus	\$1,300	ND
223	10.8 - 20.1	Arvin Highway	Widen from 2 to 4 lanes from Route 99 to Comanche Drive	Capacity Enhancements	3	CT	STIP	No	\$36,184	2020
395	14.8 - 23.0	Inyo-Kern 4-Lane	Convert to a 4-lane expressway from south of China Lake Boulevard to north of the junction with Route 14	Capacity Enhancements	3	CT	STIP	IRRS	\$129,285	ND

IRRS: Interregional Road System

HE: High Emphasis Route

ND: Not Determined

CAPM: Capital Preventive Maintenance

STIP: State Transportation Improvement Program

SHOPP: State Highway Operation And Protection Program

NA: Not Applicable

**MAP #4
KINGS COUNTY**

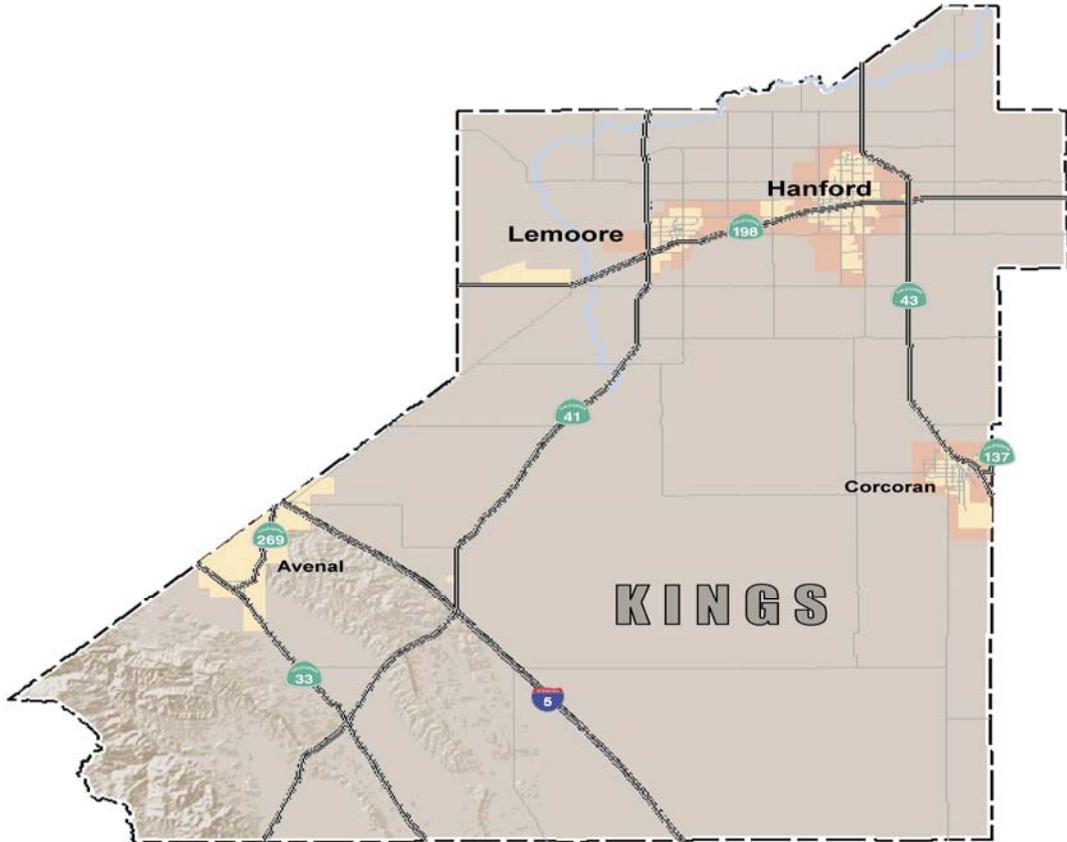


TABLE 3 KINGS COUNTY – PROJECTS										
Route	Post Mile	Project Name	Project Description	Project Type	Category (1 - 6)	Agency	Funding Source	IRRS, High Emphasis or Focus Route	2011 Estimated Total Const. Cost X (1,000)	Project Delivery Date
0	0	Jersey Avenue Widening	Widen from 2 to 4 lanes and install traffic signals, curb, and gutter in the City of Lemoore	Operational Improvements	3	Local	Local, TCRP	No	\$1,695	ND
5	0.00	I-5 Rest Area Projects	Three new safety roadside rest areas; In Kings Co near the Kings/Kern Co line; in Fresno Co near the Kamm Ave OC; in Merced Co near the I-5/140 separation	Roadside Facilities	5	CT	SHOPP	IRRS: HE, Focus	\$14,000	2015
5	19.1	I-5 Overhead Changeable Message Signs	Changeable message sign maintenance in Fresno and Kings Counties	ITS	4	CT	Minor	IRRS: HE, Focus	\$680	2013
41	4.2 - 6.0	Avenal Ranch Passing Lanes	Construct passing lanes from the Kern Co line to Route 33	Operational Improvements	3	CT	STIP	IRRS: HE, Focus	\$3,202	ND
41	11.5 – 20.0	Kettleman City Rehab	AC overlay and widen shoulder, Near Kettleman City, from south of Utica Ave to south of Quail Ave	Roadway Rehabilitation	3	CT	SHOPP	IRRS: HE, Focus	\$16,502	2013
41	37.5 - 38.1	Jackson Ave Channelization	Construct left-turn lanes north of Jersey Ave and north of Jackson Ave	Operational Improvements	3	CT	SHOPP	IRRS: HE, Focus	\$1,473	2012
43	1.4	Whitley Avenue Intersection Improvements	Improve the intersection of SR 43 and SR 137/Whitley Avenue in the City of Corcoran	Operational Improvements	3	CT	SHOPP	No	\$2,663	ND
43	17.9 – 18.6	Route 43/Lacey Signalization	Install traffic signals at three intersections on SR 43 in Kings County	Operational Improvements	3	CT	Minor	No	\$983	2013
43	24.2 - 24.7	Excelsior Ave Signals	Channelize with signals between north of Elder Ave to south of Dover Ave	Operational Improvements	3	CT	SHOPP	No	\$1,460	2012
198	4.8	Various Counties CMS	Install changeable message signs at various locations in Kern, Kings, Tulare, Fresno, and Madera Counties on Routes 65, 198, 99, 145, & 152.	ITS	4	CT	SHOPP	Varies	\$2,667	2016

**TABLE 3
KINGS COUNTY – PROJECTS**

Route	Post Mile	Project Name	Project Description	Project Type	Category (1 - 6)	Agency	Funding Source	IRRS, High Emphasis or Focus Route	2011 Estimated Total Const. Cost X (1,000)	Project Delivery Date
198	R8.8 – R10.5	Latache Median Barrier	Install median barrier in and near the City of Lemoore from SR 41/198 separation to 18 th Avenue OC	Safety	3	CT	SHOPP	IRRS: HE, Focus	\$1,750	ND
198	8.9 – 10.1	19th Ave Interchange	Construct new interchange at 19th Ave	Capacity Enhancements	1	CT	STIP	IRRS: HE, Focus	\$27,107	2012
198	R9.9 – R11.1	18th Ave Interchange	Reconstruct the interchange in Lemoore at 18th Ave	Capacity Enhancements	1	CT	STIP	IRRS: HE, Focus	\$2,736	2020
198	R14.8 – 17.9	Hanford-Armona 3 Bridge Deck Rehab	Rehab three bridge decks in and near the City of Hanford	Bridge Rehab	3	CT	SHOPP	IRRS: HE, Focus	\$8,147	2012
198	R16.5 – R17.2	12 th Avenue Interchange	Reconstruct interchange	Capacity Enhancements	3	CT	STIP	IRRS: HE, Focus	\$19,013	2013
198	R19.7 - R20.3	9th Avenue Interchange	Construct new interchange at 12th Ave	Capacity Enhancements	1	CT	STIP	IRRS: HE, Focus	\$25,032	2029
198	R21.5 – R28.3	Hanford Expressway	Convert 2C to 4E, in Kings and Tulare Counties, from 0.5 miles east of Hanford into Tulare County	Capacity Enhancements	1	CT	STIP	IRRS: HE, Focus	\$96,959	2014

IRRS: Interregional Road System

HE: High Emphasis Route

ND: Not Determined

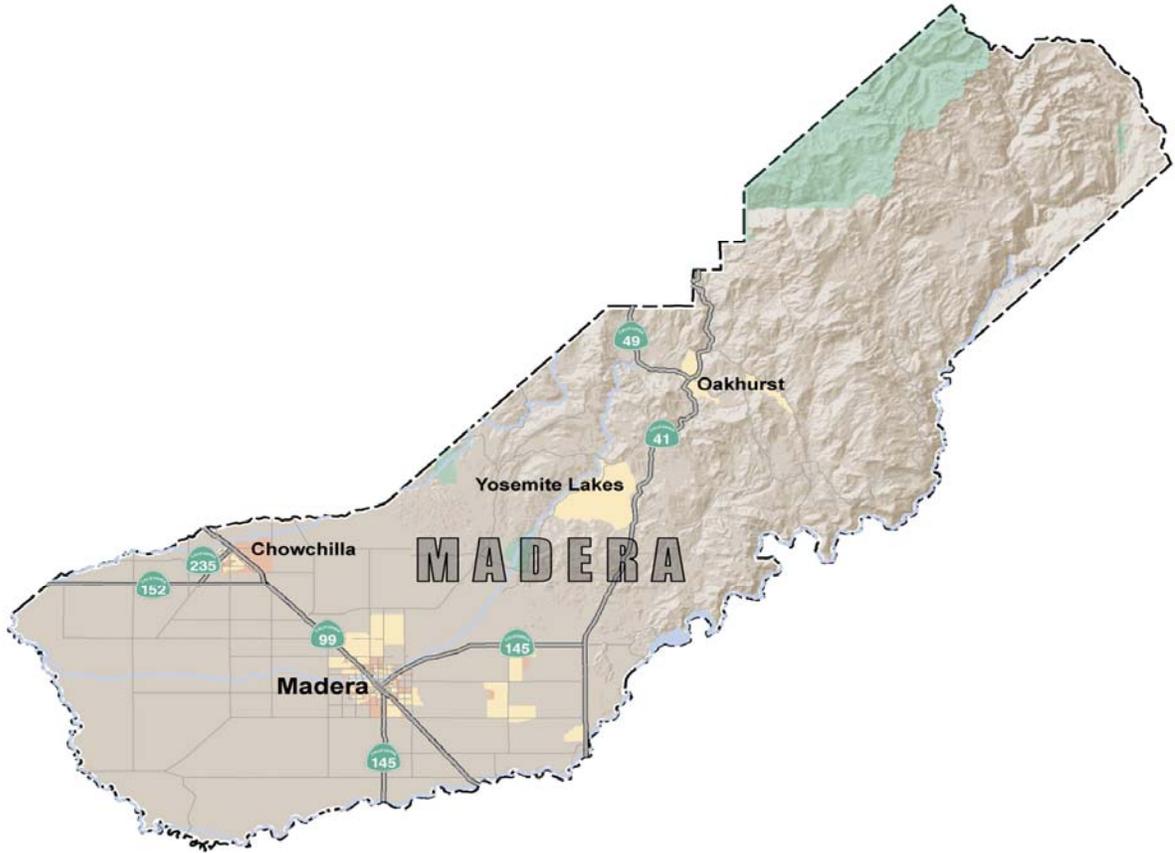
CAPM: Capital Preventive Maintenance

STIP: State Transportation Improvement Program

SHOPP: State Highway Operation And Protection Program

NA: Not Applicable

MAP #5
MADERA COUNTY



**TABLE 4
MADERA COUNTY PROJECTS**

Route	Post Mile	Project Name	Project Description	Project Type	Category (1 - 6)	Agency	Funding Source	IRRS, High Emphasis or Focus Route	2011 Estimated Const. Cost X (1,000)	Project Delivery Date
0	0	HST – Merced to San Jose Segment	High Speed train system from south of the Diridon Station in san Jose to east of the Route 152/233 interchange	Rail	2	CT	Oversight, Reimbursed, Rail, STIP	NA	\$203	ND
41	0.0 - 1.3	None	Madera County Line to Avenue 10; Widen to 6 Lanes	Capacity Enhancements	1	Local	RTIP/ Measure/ IF	IRRS: HE	\$5,780	2020
41	1.60	None	Widen NB on ramp/SR 41 @ Children's Blvd	Operational Improvements	3	Local CT	IF	IRRS: HE	\$38,705	2035
41	1.60	None	Widen to 8 Lanes NB Ramps to Peck Blvd	Operational Improvements	3	Local CT	IF	IRRS: HE	\$7,281	2035
41	1.9 – 3.2	Avenue 11 to 12 Widening	At-grade intersection and freeway widening between Avenue 11 and Avenue 12	Capacity Enhancements	1	CT	Local/ Developer	IRRS: HE	\$3,500	ND
41	1.9 – 4.5	Avenue 12 Interchange	Construct new interchange and widen freeway	Capacity Enhancements	1	CT	STIP/ Measure/ Developer	IRRS: HE	\$44,906	2017
41	3.2 - 9.3	Avenue 12 to 145 Rehab	AC Overlay and widen shoulders from Avenue 12 to Route 145	Maintenance	3	CT	SHOPP	IRRS: HE	\$5,000	ND
41	9.4 – 10.5	Road 209 Intersection Widening	Intersection improvements at the intersection of SR 41/Road 209	Operational Improvements	3	Local	Local	IRRS: HE	\$1,985	ND
41	11.7 - 13.6	MAD 41 Passing Lanes	Construct passing lanes at Road 208	Operational Improvements	3	Local	Measure	IRRS: HE	\$16,912	2014
41	27.8 - 28.0	Coarsegold Bridge Upgrade	Upgrade bridge rail and widen the bridge at Coarsegold Creek	Operational Improvements	3	CT	SHOPP	IRRS: HE	\$3,976	2015
41	32.4 – 35.5	None	Road 420 to SR 49 South of Oakhurst; widen to 4 Lanes	Capacity Enhancements	3	Local	RTIP/ Measure/ IF	IRRS: HE	\$36,747	2029

**TABLE 4
MADERA COUNTY PROJECTS**

Route	Post Mile	Project Name	Project Description	Project Type	Category (1 - 6)	Agency	Funding Source	IRRS, High Emphasis or Focus Route	2011 Estimated Const. Cost X (1,000)	Project Delivery Date
41	35.2 - 36.2	Oakhurst Sidewalk	Construct sidewalks in Oakhurst at various locations from the Fresno River Bridge to Hartwell Road	Pedestrian Improvement	5	Local	STIP	IRRS: HE	\$404	ND
41	35.2 - 36.4	Oakhurst 4-Lane	Widen from 2C to 4C from south of Royal Oaks Drive to Hartwell Road	Capacity Enhancements	3	CT	STIP	IRRS: HE	\$59,910	2020
99	0.9 – 7.5	None	Avenue 7 to Avenue 12	Capacity Enhancements	1	Local	ITIP	IRRS: HE, Focus	\$160,571	2026
99	R0.7 – 28.4	Rural Madera County Route 99 Corridor Bridge	Bridge enhancements at various locations in Madera County from Avenue 7 to Le Grand Avenue	Bridge Enhancements	3	CT	STIP, TE	IRRS: HE, Focus	\$1,117	ND
99	0.9 – 28.2	Madera County Bridges	Bridge enhancements at various locations in Madera County from Avenue 7 to Le Grand Avenue	Bridge Enhancements	3	CT	STIP, TE	IRRS: HE, Focus	\$432	2016
99	1.7 - 7.5	South Madera 6-Lane	Widen 4-lane freeway to 6 lanes from north of Ave 7 to Ave 12	Capacity Enhancements	1	CT	STIP	IRRS: HE, Focus	\$116,000	2018
99	7.1 - 7.9	Avenue 12 Interchange	Modify the interchange at Ave 12	Interchange Improvement	3	Local CT	Bond, Measure, STIP, Local	IRRS: HE, Focus	\$54,513	2012
99	7.5 - 12.8	Madera 99 Widening	Widen 4-lane freeway to 6 lanes from Ave 12 to Ave 16	Capacity Enhancements	1	CT	STIP	IRRS: HE, Focus	\$50,101	2016
99	10.3	None	Route 99/Route 145 interchange; from 4 to 6 through lanes	Interchange Improvements	3	Local	IF	IRRS: HE, Focus	\$29,634	2032
99	12.3 - 14.3	Ellis Street Interchange	Construct new interchange at Ellis Avenue	New Interchange	1	CT	STIP	IRRS: HE, Focus	\$56,100	ND
99	13.1	Ellis Street Overcrossing	Construct new bridge, in Madera, from Ave 16 to Ave 17	New Bridge	3	Local	Measure/Oversight	IRRS: HE, Focus	\$19,507	2012

**TABLE 4
MADERA COUNTY PROJECTS**

Route	Post Mile	Project Name	Project Description	Project Type	Category (1 - 6)	Agency	Funding Source	IRRS, High Emphasis or Focus Route	2011 Estimated Const. Cost X (1,000)	Project Delivery Date
99	R13.5 – R15.0	Avenue 17 Interchange	Avenue 17/99 Interchange; interchange improvements	Interchange Improvements	3	Local	Measure/ IF/ Developer	IRRS: HE, Focus	\$28,000	ND
99	20.2 – 21.6	Fairmead Median Barrier	Construct median barrier in Madera County near Fairmead	Safety	3	CT	SHOPP	IRRS: HE, Focus	\$1,583	2014
99	22.2 – 23.5	Madera 99 Corridor Tree Planting	Tree planting in Madera County near Fairmead	Highway Planting	5	CT	STIP, TE	IRRS: HE, Focus	\$1,287	2015
99	23.1 – 25.7	None	New 2-lane OC on 99 at Fig Tree to Chowchilla Boulevard	Operational Improvements	3	Local	IF	IRRS: HE, Focus	\$13,282	2020
99	23.3 – 23.8	Chowchilla – Strathmore Median Barrier	Install median barrier between Califa to Avenue 24	Safety	3	CT	SHOPP	IRRS: HE, Focus	\$656	2013
99	26.3 - 26.8	Chowchilla 99/233 Interchange	Construct interchange in Chowchilla at the Route 99/233 interchange	New Interchange	1	CT	STIP, Local	IRRS: HE, Focus	\$52,254	2016
145	8.8 -	None	Route 99 to Yosemite Widen from 2 to 4 Lanes	Capacity Enhancements	3	Local	RTIP/ Measure/ IF	No	\$5,536	2022
145	12.3 – 25.5	AT&SF Overlay	AC overlay and shoulder widening in and near Madera	Maintenance	3	CT	SHOPP	No	\$26,729	2018
233	1.9 - 2.5	Robertson Blvd Improvements	Replace curb, gutter, sidewalks and minor widening in Chowchilla from Palm Parkway to 15th St	Pedestrian Improvement	5	CT	STIP/ Local/RIP	No	\$1,649	2015

IRRS: Interregional Road System
 HE: High Emphasis Route
 ND: Not Determined
 CAPM: Capital Preventive Maintenance
 STIP: State Transportation Improvement Program
 SHOPP: State Highway Operation And Protection Program
 NA: Not Applicable



**MAP #6
MARIPOSA COUNTY**

The section of State Route 41 from the Madera County Line to Yosemite National Park in Mariposa County is in District 6. The remainder of the County is in District 10.

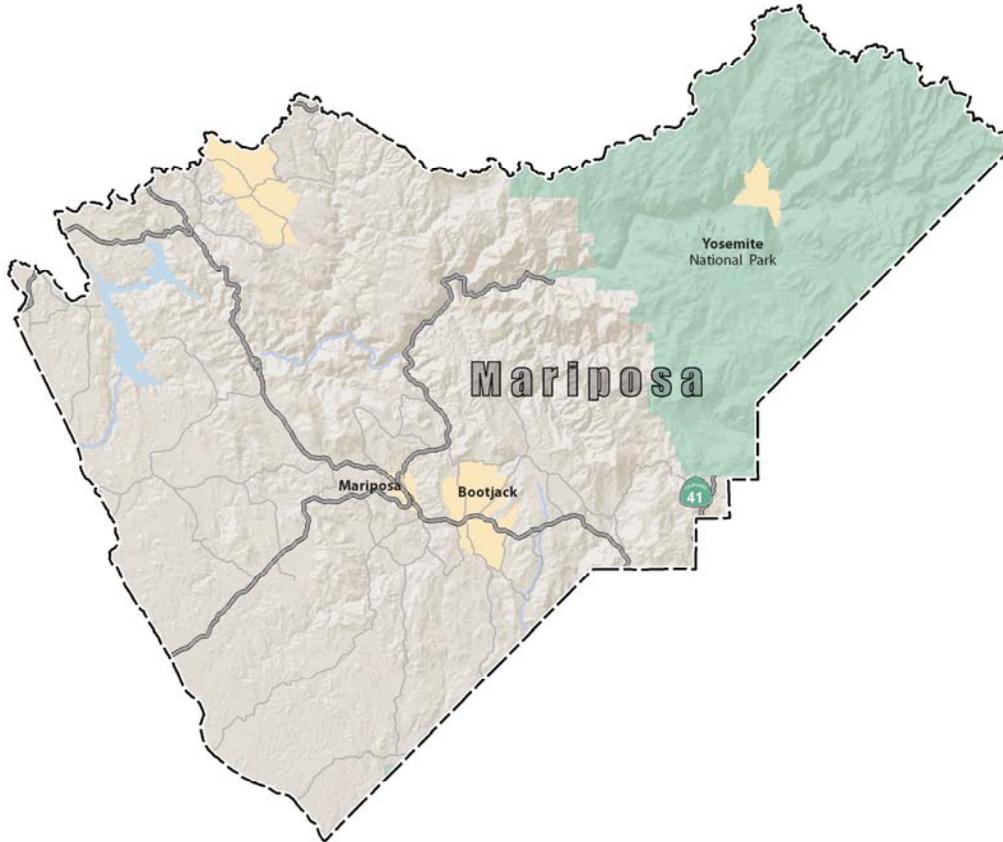
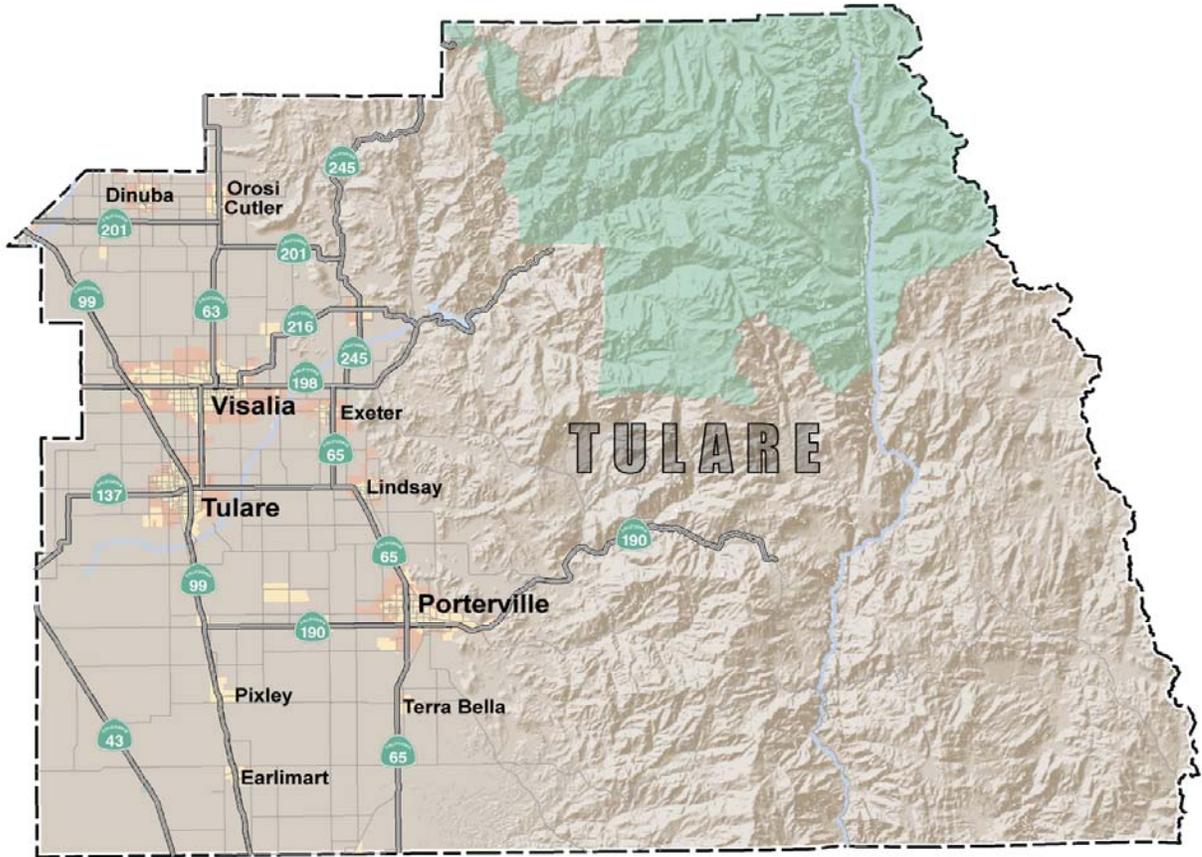


TABLE 5 MARIPOSA COUNTY PROJECTS										
Route	Post Mile	Project Name	Project Description	Project Type	Category (1 - 6)	Agency	Funding Source	IRRS, High Emphasis or Focus Route	2011 Estimated Total Const. Cost X (1,000)	Project Delivery Date
41	0.0 - 4.9	Class I/II Bike Lanes*	On Route 41, from the Madera County Line to Yosemite National Forest	Bike Enhancements	5	Local	SHOPP	IRRS, HE	\$50	ND

IRRS: Interregional Road System
 HE: High Emphasis Route
 ND: Not Determined
 CAPM: Capital Preventive Maintenance
 STIP: State Transportation Improvement Program
 SHOPP: State Highway Operation And Protection Program
 NA: Not Applicable

**MAP #7
TULARE COUNTY**



**TABLE 6
TULARE COUNTY PROJECTS**

Route	Post Mile	Project Name	Project Description	Project Type	Category (1 - 6)	Agency	Funding Source	IRRS, HE, or Focus Route	2011 Est. Total Cost X (1,000)	Project Delivery Date
63	2.9 - 3.2	Oakdale Avenue Signal	Realign intersection and install signal	Operational Improvement	3	CT	SHOPP	No	\$584	2012
65	0.0 – R6.6	Terra Bella Expressway Segment 4	Widen from 2C to 4E from Kern/Tulare Co line to south of Avenue 56	Capacity Enhancements	3	CT	STIP	IRRS	\$42,000	2029
65	0.0 - 3.2	Ducor Overlay and Widening	AC overlay and widen shoulders from Kern Co line to north of Ave 24	Operational Improvements	3	CT	SHOPP	IRRS	\$6,503	2015
65	R6.1 – R11.4	Terra Bella Expressway Segment 3	2C to 4C from north of the Orris UP to south of Avenue 95	Capacity Enhancements	3	CT	RIP/TCRP	IRRS	\$25,000	2025
65	R10.9 – 15.6	Terra Bella Expressway Segment 2	2C to 4C from north of Avenue 80 to Avenue 124	Capacity Enhancements	3	CT	RIP/TCRP	IRRS	\$27,000	2021
65	R15.1 – 18.0	Terra Bella Expressway Segment 1	2C to 4C from Avenue 120 to south of the Route 190/65 separation	Capacity Enhancements	3	CT	RIP/TCRP	IRRS	\$12,502	2016
65	29.5 - 38.6	Tulare Expressway	Construct 4-lane Expressway along an existing 2-lane county road	Capacity Enhancements	3	CT	STIP	IRRS	\$170,056	2016
65	39.0 – 50.0	Foothill Corridor Study	Route adoption study	New alignment	1	CT	STIP	NA	\$100,002	ND
99	3.1	Avenue 24 Bridge Replacement	Bridge rehabilitation, Near Earlimart, at the Ave 24 UC	Bridge Rehabilitation	3	CT	SHOPP	IRRS: HE, Focus	\$7,299	2014
99	6.1 – 29.9	Tulare County Bridges	99 Corridor bridge enhancements in Tulare County from Avenue 48 to Cross Avenue	Bridge Enhancement	3	CT	STIP, TE	IRRS: HE, Focus	\$534	2013

**TABLE 6
TULARE COUNTY PROJECTS**

Route	Post Mile	Project Name	Project Description	Project Type	Category (1 - 6)	Agency	Funding Source	IRRS, HE, or Focus Route	2011 Est. Total Cost X (1,000)	Project Delivery Date
99	10.0 – 58.8	Rural Tul & Southern Fre Co Rte 99 Corridor	Bridge enhancements in Tulare & southern Fresno counties	Bridge Enhancements	3	CT	STIP, TE	IRRS: HE, Focus	\$1,286	2017
99	23.5	Avenue 184 Bridge Repair II	Bridge repair	Bridge Repair	3	CT	SHOPP	IRRS: HE, Focus	\$824	2013
99	25.4 - 27.6	Agri-Center Dr Interchange	Construct new interchange from Ave 200 to Paige Ave	Capacity Enhancements	1	Local	Measure	IRRS: HE, Focus	\$8,000	ND
99	25.4 - 30.5	Tulare City Widening	Widen from 4-lane freeway to 6-lane freeway from Ave 200 to Prosperity Ave	Capacity Enhancements	1	CT	STIP	IRRS: HE, Focus	\$158,079	2024
99	27.60	Paige Ave Interchange	Modify interchange	Capacity Enhancements	3	CT	Local	IRRS: HE, Focus	\$18,802	ND
99	27.7 – 31.2	Tulare Landscape	Highway planting from north of Paige Road to south of Bardsley Avenue	Highway Planting	5	CT	SHOPP	IRRS: HE, Focus	\$1,090	2018
99	30.6 – 35.2	South Segment (Tagus) 6-Lane	4F to 6F from Prosperity Ave to south of Avenue 280	Capacity Enhancements	1	CT	STIP	IRRS: HE, Focus	\$105,000	2017
99	30.6 – 37.3	Tulare to Goshen South Segment	4F to 6F from Prosperity Avenue to south of West Visalia	Capacity Enhancements	1	CT	STIP	IRRS: HE, Focus	\$120,000	ND
99	31.3 - 32.6	Cartmill Interchange	Modify interchange	Capacity Enhancements	3	Local	Measure	IRRS: HE, Focus	\$49,404	2014
99	35.2 – 37.3	Middle Segment (Caldwell) 6-Lane	4F to 6F from south of Avenue 280 to south of West Visalia	Capacity Enhancements	1	CT	STIP	IRRS: HE, Focus	\$17,700	2016

**TABLE 6
TULARE COUNTY PROJECTS**

Route	Post Mile	Project Name	Project Description	Project Type	Category (1 - 6)	Agency	Funding Source	IRRS, HE, or Focus Route	2011 Est. Total Cost X (1,000)	Project Delivery Date
99	36.1 - 36.8	Caldwell Interchange	Modify interchange	Capacity Enhancements	3	CT	RIP/ Measure	IRRS: HE, Focus	\$24,510	2025
99	37.3 - 41.3	North Segment (Goshen) 6-Lane	4F to 6F from West Visalia OH to north of North Goshen OH	Capacity Enhancements	1	CT	STIP/ Bond	IRRS: HE, Focus	\$42,224	2012
99	38.3 - 39.8	Route 99 at Goshen	Highway planting from south of the Route 99/198 separation to north of the Route 99/198 separation	Highway Planting	5	CT	STIP/TE	IRRS: HE, Focus	\$2,433	2014
99	39.6 - 41.3	Betty Drive Interchange	Reconstruct interchange	Capacity Enhancements	3	CT	STIP	IRRS: HE, Focus	\$49,186	2019
99	41.3 - 53.9	Goshen to Kingsburg 6-Lane	Widen road with hot mix asphalt, In and near Kingsburg, from north of the North Goshen OH to north of SR 201/Conejo	Capacity Enhancements	3	CT	STIP	IRRS: HE, Focus	\$80,065	2016
99	R48.5 - R53.9	Goshen to Kingsburg Replacement Planting	Highway planting from south of Merritt Drive to north of Bethel Avenue	Highway Planting	5	CT	Bond	IRRS: HE, Focus	\$5,305	2012
99	48.8	Tul 99 Warlow SRRA Infomation Kiosk	Roadside rest area enhancement	Roadside Facilities	5	CT	STIP/TE	IRRS: HE, Focus	\$844	ND
137	17.5 - 27.4	Tulare-Lindsay 4-Lane	2C to 4C from Route 63 to Route 65	Capacity Enhancements	3	CT	STIP	No	\$15,000	ND
190	0.0 - 8.0	Lairds Corner Rehab	AC overlay, shoulder widening, left turn channelization and utility relocation	Operational Improvements	3	CT	SHOPP	No	\$21,319	2015

**TABLE 6
TULARE COUNTY PROJECTS**

Route	Post Mile	Project Name	Project Description	Project Type	Category (1 - 6)	Agency	Funding Source	IRRS, HE, or Focus Route	2011 Est. Total Cost X (1,000)	Project Delivery Date
190	4.4	Bliss Lane Intersection	Intersection Improvements	Operational Improvements	3	CT	SHOPP	No	\$1	ND
190	20.9 - 21.3	Road 284 Intersection	Intersection improvements	Operational Improvements	3	CT	SHOPP	IRRS	\$1,899	2016
190	45.1 – 45.7	Moore House Slope Protection	Roadway widening & slope protection from east of Moore House Creek to west of Pierpoint Drive	Maintenance	3	CT	SHOPP	IRRS	\$2,875	2015
198	R4.1 – R5.0	Plaza Interchange Replacement Planting	Replacement Planting from Route 99 to Plaza Drive and on Plaza Drive from Airport Drive to Goshen Avenue	Highway Planting	5	Local	Local	IRRS: HE	\$1,506	2014
198	R4.8	Plaza Interchange	Modify interchange, in Visalia at Plaza Dr	Operational Improvement	3	Local	STIP/C MIA	IRRS: HE	\$22,597	2014
198	6.8	Akers Street Operational Improvements	Minor widening and safety improvements	Maintenance	3	Local	Local	IRRS: HE	\$1	ND
198	R11.5 – R11.9	Lovers Lane Interchange Improvements	Improve Interchange	Operational Enhancements	3	Local	Measure	IRRS: HE	\$8,600	ND
198	12.00	Ave 80 and Vista Avenue POC's	ADA compliant upgrades	Pedestrian Enhancements	5	CT	SHOPP	IRRS: HE	\$8,106	2016
198	R15.1 – R18.9	Visalia East Overlay	AC overlay and widen	Maintenance	3	CT	SHOPP	IRRS: HE	\$6,807	2017
201	12.4 – 21.2	Bridge Rail Upgrade	Route 201 at Sand Creek Bridge and Friant-Kern Canal Bridge and Route 216 at Kaweah River Bridge	Bridge Repair	3	CT	SHOPP	No	\$7,873	2016
216	1.9 - 2.9	Houston Avenue 4-Lane	Realign and widen from Lovers Lane to east of McCauliff Street	Capacity Enhancements	3	CT	STIP	No	\$9,037	2013

**TABLE 6
TULARE COUNTY PROJECTS**

Route	Post Mile	Project Name	Project Description	Project Type	Category (1 - 6)	Agency	Funding Source	IRRS, HE, or Focus Route	2011 Est. Total Cost X (1,000)	Project Delivery Date
245	6.5 – 7.0	Woodlake ADA	Improve pedestrian access and ADA curb ramps	Pedestrian Enhancements	5	CT	Minor	No	\$850	2015

IRRS: Interregional Road System
 HE: High Emphasis Route
 ND: Not Determined
 CAPM: Capital Preventive Maintenance
 STIP: State Transportation Improvement Program
 SHOPP: State Highway Operation And Protection Program
 NA: Not Applicable

DOCUMENTS USED IN THE PREPARATION OF THIS TSDP

1. Caltrans District 3 Transportation System Development Plan, March 2009;
2. Caltrans District 6 Status of Projects, March 2012;
3. Caltrans District 10 Transportation System Development Plan, September 2010;
4. Council of Fresno County Governments Final Regional Transportation Plan, July 2010;
5. Kern Council of Governments Final Regional Transportation Plan, July 2010;
6. Kings County Association of Governments Final Regional Transportation Plan, July 2010;
7. Madera County Transportation Commission Final Regional Transportation Plan, July 2010;
8. Mariposa County Local Transportation Commission Final Regional Transportation Plan, September 2008;
9. Tulare County Association of Governments Final Regional Transportation Plan, July 2010.

V. GLOSSARY

Focus Route: a selected subset of High Emphasis Routes

HE: High Emphasis Route. A selected subset of the Interregional Road System.

IRRS: Interregional Road System: A series of State Highway Routes, outside the urbanized areas, that provide access to the State's economic centers, major recreational areas, and urban and rural regions.