

**NORTH COUNTY CORRIDOR  
EXPRESSWAY TRANSPORTATION AUTHORITY TECHNICAL ADVISORY  
COMMITTEE**

**ITEM: 4d**

**SUBJECT:**

Year 2030 and 2050 Roadway Network Assumptions for the North County Corridor Transportation Analysis Report

**STAFF RECOMMENDATIONS:**

1. Approval of Report

**FISCAL IMPACT:**

There is no fiscal impact associated with this discussion at this time.

**DISCUSSION:**

Fehr & Peers is requesting review and approval of attached report. The report documents the roadway network assumptions to be used to develop year 2030 and 2050 traffic volume projections for the project. The assumptions were based on information from the 2007 Regional Transportation Plan, the North County Corridor Preliminary Design Report and a phone conversation between the consultants and StanCOG staff.

## MEMORANDUM

Date: January 19, 2009

To: Kris Balaji, Jacobs Carter Burgess

From: Eddie Barrios, Fehr & Peers

**Subject: *Year 2030 and 2050 Roadway Network Assumptions for the North County Corridor Transportation Analysis Report***

WC08-2575

---

This memorandum documents the roadway network assumptions to be used to develop year 2030 and year 2050 traffic volume projections for the North County Corridor Transportation Analysis Report. Year 2030 represents the time frame when the complete project is anticipated to be open to traffic, while Year 2050 represents the 20-year design life of the project. These assumptions were based on information presented in the 2007 Stanislaus Council of Governments (StanCOG) Regional Transportation Plan (RTP), the North County Corridor Preliminary Design Report (NCC PDR), and a phone conversation with Carlos Yamzon and Lark Downs from StanCOG on December 2, 2008.

### **YEAR 2030 ROADWAY NETWORK ASSUMPTIONS**

Year 2030 roadway network assumptions under No Project and Project conditions are presented below.

#### ***Year 2030 No Project***

The 2007 StanCOG RTP identifies Tier I fiscally constrained roadway improvement projects anticipated to be in place by year 2030. Appendix A presents the Tier 1 project lists for both mainline roadways/highways and regional roads provided in the RTP that will be assumed under No Project conditions.

#### ***Year 2030 With Project***

The roadway network improvements assumed under No Project conditions will also be assumed under With Project conditions. In addition, the Project will be assumed to be in place based on the configurations presented in the NCC PDR. Brief summaries of the project design are presented below for each of the project alternatives.

#### **Project Alternative A**

Under Project Alternative A, the North County Corridor will provide the following:

- Eight lanes (four lanes in each direction) from State Route (SR) 99 to Claus Road
- Six lanes from Claus Road to Albers Road

- Four lanes from Albers Road to SR 120/108

In addition, grade separated interchanges along the North County Corridor are assumed at the following locations:

- Pirrone Road
- Stoddard Road
- Dale Road
- Tully Road
- McHenry Avenue
- Coffee Road
- Oakdale Road
- Roselle Avenue
- Claus Road
- Langworth Road
- Bentley Road
- Albers Road
- Oakdale Waterford Highway

#### Project Alternative B

Project Alternative B will provide the same number of lanes as Project Alternative A. It would also have grade separated interchanges at the same intersecting roadways as Project Alternative A except that Project Alternative B would have an interchange at McGee Avenue between Claus Road and Langworth Road and no interchange at Oakdale Waterford Highway.

#### **YEAR 2050 ROADWAY NETWORK ASSUMPTIONS**

Year 2050 roadway network assumptions under No Project and Project conditions are presented below.

##### ***Year 2050 No Project***

The 2007 StanCOG RTP provides a list of Tier II non-fiscally constrained roadway improvement projects. The need for these projects from a traffic perspective has been identified by the RTP; however, funding is not available for these projects during the planning horizon of the RTP (2007-2030). It is anticipated that funding for these projects would be available after year 2030.

To determine which projects from the Tier II list would be reasonable to assume by year 2050, StanCOG staff was consulted to determine the amount of funding that could be reasonably expected after year 2030 for roadway improvement projects. StanCOG staff determined that funding projections presented in the 2007 RTP could be used to estimate available funding after year 2030. Based on the 2007 RTP, \$3.3 billion was identified by StanCOG for roadway improvement projects over the life of the RTP (23 years). However, the \$3.3 billion assumed passage of Measure S, a half-cent sales tax, which would have generated about \$700 million to be used to fund roadway improvement projects in Stanislaus County. Because Measure S has not yet been approved by County voters, its funding amount was removed from the calculation, resulting in an annual average revenue estimate of about \$113 million  $((\$3.3 \text{ billion} - \$0.7 \text{ billion})/23 \text{ years})$ .

Assuming average annual revenue of \$113 million over the span of twenty years (year 2030 to year 2050) results in about \$2.26 billion available to fund projects in the Tier II list. The total amount of funding necessary to fund all of the projects in the Tier II list (mainline roadways/highways and regional roads) is about \$1.8 billion. Based on these funding assumptions it appears that all of the Tier II projects could be funded by year 2050. For this study, all of the projects identified in the Tier II list will be assumed to be in place by year 2050. Appendix B presents the Tier II project lists for both mainline roadways/highways and regional roads provided in the RTP that will be assumed under No Project conditions.

### ***Year 2050 With Project***

The roadway network improvements assumed under No Project conditions will also be assumed under With Project conditions. In addition, the Project will be assumed to be in place based on the configuration presented in the NCC PDR. The same configurations assumed in year 2030 for Project Alternative A and B will be assumed in year 2050.

### **NEXT STEPS**

Please review and submit to JPA members and Caltrans for their review and approval of the roadway network assumptions presented in this memorandum. We would like to receive approval by February 2, 2009.

Please give me a call at (925) 930-7100 if there are any questions or concerns.

**APPENDIX A**  
**TIER I LIST ASSUMPTIONS FOR YEAR 2030**

**Mainline Roadways and Highways**

**Tier I Fiscally Constrained**

Project Type	Jurisdiction	Location	Project Limits	Description	Total Project Cost*	Open To Traffic Year
Widening	Cities of Modesto & Ceres & Stanislaus County	SR-99	from Ceres to Kiernan (SR-219)	Widen to 8 lanes	\$ 90,000,000	2010
Widening	Cities of Modesto, Riverbank, and Oakdale; County of Stanislaus	SR-108	Modesto City Limits to East of Oakdale via SR-108 or Claribel (State Highway designation not determined)	Construct 4-lane expressway	\$ 40,951,519	2025
Interchange	City of Ceres	SR-99	Whitmore Avenue	Construct Interchange at Overpass in Ceres	\$ 27,500,000	2010
Interchange	City of Ceres & Stanislaus County	SR-99	Service & Mitchell Roads	Service/Mitchell Interchange	\$ 60,000,000	2015
Interchange	City of Modesto	SR-99	Pelandale Avenue	Reconstruct interchange to add capacity**	\$ 59,877,520	2015
Interchange	City of Modesto	SR-99	Standiford Avenue	Standiford Interchange	\$ 65,000,000	2025
Construction	City of Modesto Stanislaus County	SR-132 East	SR99 to Santa Fe	connection to SR-99 (may include new interchange at SR-99 and widening of SR-132)	\$ 80,000,000	2015
Widening	City of Modesto, Stanislaus County	SR-132 East of SR-99	Riverside to Frazina/Codoni	Widen to 4 lanes	\$ 8,006,965	2008
Widening	City of Modesto, Stanislaus County	SR-132 West of SR-99	SR 132 from SR-99 to West of Dakota/Nebraska	Construct Modesto Freeway	\$ 38,644,538	2015
New Construction	City of Oakdale; County of Stanislaus	SR-120	Valley Home to East of Oakdale	Construct new 2-lane expressway	\$ 26,627,470	2015
Widening	City of Patterson Stanislaus County	I-5/Sperry Road	Reconstruct Sperry Interchange, Widen Sperry from SR 33 to I-5	Reconstruct Sperry Interchange and Widen Sperry to 4-lane expressway	\$ 33,000,000	2015
Widening	City of Patterson Stanislaus County	I-5/Sperry Road	Widen Sperry from state route 33 to Ward Avenue & Rogers Road to I-5	Reconstruct Sperry Interchange and Widen Sperry to 4-lane expressway	\$ 39,600,000	2010
Interchange	City of Turlock	SR-99	Lander Avenue	SR-165 (Lander) Interchange	\$ 25,000,000	2015
Widening	Stanislaus & San Joaquin Counties	SR-132 West	from 580 to SR-33 (in San Joaquin County)	Widen to 4-Lane Expressway	\$ 8,000,000	2015
Expressway	Stanislaus County	SR-219 (Kiernan)	from SR-99 to SR-108 (McHenry)	Construct Expressway	\$ 89,500,000	2025
Interchange	Stanislaus County	SR-99	Kiernan	Kiernan Interchange	\$ 60,000,000	2010
Widening	Stanislaus County	SR-132 West	SR-132 West from SR-33 to San Joaquin River	Widening to 4-Lane Expressway	\$ 16,206,660	2015
Widening	Stanislaus County	SR-132 West	from Butler to Dakota	Widen to 4-lane expressway	\$ 68,000,000	2015
Widening	Stanislaus County	SR-132 West	from San Joaquin River to Butler	Widen to 4-lane expressway	\$ 65,000,000	2015
Maintenance and Operations		Local Roads Maintenance, Traffic Signals, Overlays, Seismic Rehab, and Operations (Distribution to Cities and County)			\$ 97,500,000	on-going
<b>Sub-TOTALS</b>					<b>\$ 998,414,672</b>	



**Regional Roads**

**Tier I Fiscally Constrained**

Project Type	Jurisdiction	Location	Project Limits	Description	Total Project Cost*	Open To Traffic Year
Expressway	County	Carpenter Road	SR 132 to Service	New 6-lane expressway	\$ 31,800,000	2010
Expressway	County	Claribel Road	Claus to Albers	New 4-lane expressway	\$ 21,200,000	2010
Expressway	County	Claribel Road	McHenry to Claus	New 6-lane expressway	\$ 31,800,000	2011
Expressway	County	Crows Landing Road	Service to W. Main	New 6-lane expressway	\$ 9,437,735	2010
Expressway	County	Crows Landing Road	West Main to I-5	Widen from 2 to 4/5-lane expressway	\$ 115,500,000	2011
Expressway	County	Grayson Road	Crows Landing to SR 33	New 4-lane expressway	\$ 98,000,000	2011
Expressway	County	Howard	SR 33 to I-5	New 4-lane expressway	\$ 22,000,000	2010
Expressway	County	Santa Fe Avenue	South Ave to Merced Co. Line	New 4-lane expressway	\$ 28,131,000	2011
Expressway	County	Service Road	Geer to Dakota	Construct 4-lane expressway	\$ 34,000,000	2011
Widening	County	American Avenue Frontage	from Carver to Bangs	Widen to 2 lanes	\$ 24,000	2015
Widening	County	Brink Avenue	Shoemaker to Beckwith	Construct 6 lane road	\$ 555,000	2025
Widening	County	California	Morse to Carpenter	Widen from 2 to 4 lanes	\$ 930,000	2015
Widening	County	Finch	El Vista to Mariposa	Widen from 2 to 4 lanes	\$ 540,000	2015
Widening	County	Finch	Mariposa to Garner	Widen from 2 to 4 lanes	\$ 1,600,000	2015
Widening	County	Finney	Kiernan to Ladd	Widen from 2 to 4 lanes	\$ 2,100,000	2025
Widening	County	Finney	Murphy to SR 99	Widen from 2 to 4 lanes	\$ 2,850,000	2025
Widening	County	Garst	Claus to Frazine	Widen from 2 to 4 lanes	\$ 795,000	2015
Widening	County	Hammett	Kiernan to SR 99	Widen from 4 to 6 lanes	\$ 1,406,000	2015
Widening	County	Kiernan	Hammett to SR 99	Widen from 4 to 6 lanes	\$ 950,000	2015
Widening	County	Kiernan	SR 99 to Stoddard	Widen from 4 to 6 lanes	\$ 836,000	2015
Widening	County	Morgan	Whitmore to 7th	Widen 2 to 4 lanes	\$ 6,650,000	2015
Widening	County	Murphy	Toomes to Finney	Widen 2 to 4 lanes	\$ 338,000	2015
Widening	County	Nebraska	Maze to Service	Roadway Widening	\$ 1,982,400	2010
Widening	County	Patterson	Claus to 600' to Eleanor	Widen to 4 lanes	\$ 1,868,238	2025
Widening	County	Patterson	Patterson/Oakdale to SR 108	Widen to 4 lanes	\$ 1,000,000	2005
Widening	County	Pirrone	Finney to Dale	Widen from 4 to 6 lanes	\$ 1,433,000	2015
Widening	County	Roselle	Sylvan to 1/4 mile North of Sylvan	Widen from 2 to 4 lanes	\$ 973,000	2025
Widening	County	Sisk	Kiernan to Pirrone	Widen from 2 to 4 lanes	\$ 618,000	2015
Widening	County	Sisk	Pelandale to Kiernan	Widen from 2 to 4 lanes	\$ 1,600,000	2015
Widening	County	Stoddard	Kiernan to Ladd	Widen from 2 to 4 lanes	\$ 1,410,000	2015
Expressway	Modesto	Briggsmore Avenue	Roselle to Claus	Widen to 6 lane expressway	\$ 14,575,200	2015
Expressway	Modesto	Briggsmore Avenue	Oakdale to Roselle	Widen from 2 to 6 lane expressway	\$ 17,662,800	2015
Expressway	Modesto	Carpenter	Whitmore to Hatch	Widen to 6-lane expressway	\$ 11,761,200	2025
Expressway	Modesto	Carpenter Road	Maze to SR 99	Widen to 6 lane expressway	\$ 23,659,200	2015
Expressway	Modesto	Carpenter Road	Hatch to Paradise	Widen to 6 lane expressway	\$ 10,454,400	2025
Expressway	Modesto	Carpenter Road	Paradise to Maze (Cost is for Standiford)	Widen to 6 lane expressway	\$ 15,356,400	2015
Expressway	Modesto	Claus	Scenic to Briggsmore	Widen to 6-lane expressway	\$ 7,425,600	2025
Expressway	Modesto	Claus	Sylvan to Claribel	Widen to 6-lane expressway	\$ 14,682,000	2025
Expressway	Modesto	Claus	Briggsmore to Sylvan	Widen to 6 lane expressway	\$ 12,939,600	2025
Expressway	Modesto	Claus	Yosemite to Scenic	Widen to 6-lane expressway	\$ 7,264,800	2025
Expressway	Modesto	Hatch	Crows Landing to SR 99	Widen to 4 lane expressway	\$ 19,706,400	2025
Expressway	Modesto	Hatch	Carpenter to 1/2 mile east of Carpenter	Widen to 4 lane expressway	\$ 9,517,200	2025
Expressway	Modesto	Hatch	Carpenter to Crows Landing	Widen to 4 lane expressway	\$ 24,643,200	2025
Expressway	Modesto	Kiernan (Claribel)	SR99 to Claus	Widen from 2-lane expressway to 4-lane expressway	\$ 113,610,000	2025
Expressway	Modesto	Pelandale	SR 99 to Blue Bird	Widen to 6-lane expressway	\$ 1,680,000	2010
Expressway	Modesto	Pelandale	Blue Bird to Dale	Widen to 6-lane expressway	\$ 1,200,000	2010
Expressway	Modesto	Pelandale (Claratina) Expressway	from McHenry to Coffee	Widen from 2 to 6 lane expressway	\$ 14,134,800	2015
Expressway	Modesto	Pelandale Avenue	Dale to McHenry	Complete 6-lane expressway	\$ 23,899,200	2010
Interchange	Modesto	Briggsmore/Claus	Briggsmore/Claus	Construct grade separation (6 lanes)	\$ 15,000,000	2015
New Construction	Modesto	Morse Road	North to Shoemaker	Construct 4-lane road	\$ 10,819,200	2025
New Construction	Modesto	Pelandale (Claratina) Expressway	Coffee to Oakdale	Construct 6-lane expressway	\$ 13,419,600	2015
New Construction	Modesto	Pelandale (Claratina) Expressway	Roselle to R/R Tracks	Construct 4 lane arterial	\$ 13,322,400	2015
New Construction	Modesto	Pelandale (Claratina) Expressway	Extend Pelandale as 6-lane expressway		\$ 13,830,000	2015
New Construction	Modesto	Norseman Drive	Yosemite to End	Construct 2 lanes collector	\$ 4,423,200	2015
New Construction	Modesto	Health Care Way	Chapman to American	Construct two-lane road	\$ 236,400,000	2015
New Construction	Modesto	Health Care Way	Stoddard to Chapman	Construct two-lane road	\$ 48,000,000	2015
New Construction	Modesto	Morton	Tuolumne Blvd. Extension from Tuolumne Blvd. to SR 132 (Yosemite) along Morton	Construct 4 lanes	\$ 4,057,200	2015
Widening	Modesto	Woodland	Morse to Kerney	Widen to 4 Lanes	\$ 12,334,800	2020
Widening	Modesto	Beckwith	GP Boundary (see Modesto General Plan) to SR 99	Widen from 2 to 4 lanes	\$ 38,803,200	2015
Widening	Modesto	Briggsmore	Prescott to Oakdale	Widen from 4 to 6 lanes	\$ 49,363,200	2015
Widening	Modesto	Crows Landing	SR 99 to 7th	Widen from 4 to 6 lanes	\$ 5,760,000	2025
Widening	Modesto	Crows Landing	Whitmore to SR 99	Widen from 4 to 6 lanes	\$ 19,456,600	2025
Widening	Modesto	El Vista/Oakdale	Briggsmore to Yosemite	Widen from 4 to 6 lanes	\$ 29,823,600	2025
Widening	Modesto	Maze	Modesto Irrigation District #5 to SR 99	Widen 2 to 4 lanes	\$ 22,780,800	2015
Widening	Modesto	Maze	Morse to Modesto Irrigation District #5	Widen 2 to 4 lanes	\$ 11,605,200	2015
Widening	Modesto	McHenry	Approx. Coralwood to Claratina West side	Widen from 6 to 8 lanes	\$ 3,601,200	2015
Widening	Modesto	McHenry	Standiford to Claribel	Widen from 4 to 6 lanes	\$ 10,460,400	2010
Widening	Modesto	Mitchell	Yosemite to Modesto GP Boundary	Widen from 4 to 6 lanes	\$ 13,665,600	2025
Widening	Modesto	Morse	California to Brink	Widen 2 to 4 lanes	\$ 9,312,000	2015
Widening	Modesto	Oakdale	Claribel to Claratina	Widen from 2 to 6 lanes	\$ 8,881,200	2025
Widening	Modesto	Oakdale	Floyd to Briggsmore	Widen from 4 to 6 lanes	\$ 10,144,800	2010
Widening	Modesto	Oakdale	Sylvan to Floyd	Widen Oakdale from 4 to 6 lanes	\$ 6,710,400	2015
Widening	Modesto	Oakdale	Sylvan to Claratina	Widen from 4 to 6 lanes	\$ 10,020,000	2015
Widening	Modesto	Paradise	Carpenter to Suttler	Widen 2 to 4 lanes	\$ 18,055,200	2015

Widening	Modesto	Paradise	GP Boundary (see Modesto General Plan) to Carpenter	Widen 2 to 4 lanes	\$	14,026,800	2015
Widening	Modesto	Shoemaker Avenue	Morse to Brink	Widen from 2 to 4-lane expressway	\$	12,765,600	2025
Widening	Modesto	Standiford	Dale to Prescott	Widen from 4 to 6 lanes	\$	16,177,200	2015
Widening	Modesto	Standiford/Sylvan	Prescott to Oakdale	Widen from 4 to 6 lanes	\$	81,798,000	2015
Widening	Modesto	Sylvan	Oakdale to Roselle	Widen Sylvan from 4 to 6 lanes	\$	10,875,600	2015
Widening	Modesto	Sylvan	Roselle to Claus	Widen Sylvan from 2 to 4 lanes	\$	10,617,600	2010
Widening	Modesto	Whitmore	Carpenter to Morgan	Widen from 2 to 4 lanes	\$	29,614,800	2015
Widening	Modesto	Yosemite	D to El Vista	Widen to 6 lanes	\$	38,046,000	2025
Widening	Modesto	Yosemite	El Vista to Lincoln	Widen to 6 lanes	\$	18,250,800	2025
Widening	Modesto	Yosemite	Lincoln to Claus	Widen to 6 lanes	\$	12,928,800	2025
Widening	Modesto	Yosemite	Claus to Santa Fe	Widen to 6 lanes	\$	22,354,345	2025
Widening	Modesto	Yosemite	Santa Fe to City Limit	Widen to 6 lanes	\$	3,652,900	2025
Widening	Modesto	7th Street	Morgan to K	Widen from 2 to 4 lanes (Excluding bridge)	\$	50,936,400	2015
Widening	Modesto	Blue Gum	Poult to Morse	Widen from 2 to 4 lanes	\$	5,048,400	2015
Widening	Modesto	Brink	Carpenter to Finney	Widen from 2 to 4 lanes	\$	24,628,800	2015
Widening	Modesto	Coffee	Mable to Claribel	Widen to 4 lanes	\$	12,031,200	2015
Widening	Modesto	Dale	Kiernan to Ladd	Widen from 2 to 4 lanes	\$	7,200,000	2015
Widening	Modesto	Dale	Pelandale to Kiernan	Widen from 2 to 4 lanes	\$	9,192,000	2015
Widening	Modesto	Dale	Pelandale to Standiford	Widen from 2 to 4 lanes	\$	8,196,000	2015
Widening	Modesto	Floyd	Oakdale to Roselle	Widen from 2 to 4 lanes	\$	7,879,200	2015
Widening	Modesto	Floyd	Roselle to Claus	Widen from 2 to 4 lanes	\$	8,774,400	2015
Widening	Modesto	Lakewood/Roselle	Briggsmore to Claribel	Widen 2 to 4 lanes	\$	24,840,000	2015
Widening	Modesto	Lakewood	Briggsmore to Scenic	Widen 2 to 4 lanes	\$	7,490,400	2015
Widening	Modesto	Lincoln	Yosemite to Scenic	Widen 2 to 4 lanes	\$	8,899,200	2015
Widening	Modesto	Ninth	Carpenter to River Road	Widen from 4 to 6 lanes	\$	33,967,200	2025
Widening	Modesto	Briggsmore (Parker)	Claus to GP Boundary (see Modesto General Plan)	Widen from 4 to 6 lanes	\$	7,256,400	2015
Widening	Modesto	Parker Road	on the South side from Claus to east of BNSF RR	Widen to 4-lane expressway	\$	1,728,000	2025
Widening	Modesto	Prescott	Rumble to Kiernan	Widen from 2 to 4 lanes	\$	9,759,600	2015
Widening	Modesto	Roselle	Kiernan to Sylvan	Widen from 2 to 4 lanes	\$	17,037,600	2015
Widening	Modesto	Roselle	Sylvan to Briggsmore	Widen from 2 to 4 lanes	\$	1,167,600	2010
Widening	Modesto	Scenic	Oakdale to Claus	Widen from 2 to 4 lanes	\$	41,611,200	2015
Widening	Modesto	Sisk	Setrok to Pelandale	Widen from 2 to 4 lanes	\$	930,000	2015
Widening	Modesto	Tully	Kiernan to Pelandale	Widen from 4 to 6 lanes	\$	8,654,400	2025
Widening	Modesto	Tully	Pelandale to 9th	Widen from 4 to 6 lanes	\$	12,132,000	2015
Widening	Modesto	Ladd	SR 99 to Dale	Widen 2 to 4 lanes	\$	9,051,600	2015
Widening	Modesto	Bangs	Dale to McHenry	Roadway Widening	\$	16,976,400	2010
Widening	Modesto	Morgan	Hatch to Whitmore	Roadway Widening	\$	10,623,600	2010
Widening	Modesto	E. Orangeburg	McHenry to Claus	Roadway Widening and Rehabilitation	\$	1,800,000	2010
Widening	Modesto	Rosemore	Kansas to Bluegum	Roadway Widening and Rehabilitation	\$	1,440,000	2010
Widening	Patterson	I-5/Sperry Road	Reconstruct Sperry from South First Street to Ward Ave & Rogers Road to Interstate 5	Reconstruct Sperry Interchange and Widen Sperry to a 4-Lane expressway	\$	39,600,000	2010
New Construction	Riverbank	Crawford	Circle to Roselle	New Street - 2 Lanes	\$	600,000	2025
New Construction	Riverbank	Crawford	Oakdale to Circle	New Street - 2 Lanes	\$	600,000	2025
New Construction	Riverbank	Estelle Extension	Patterson to Colony Manor	New Street	\$	305,779	2015
Widening	Riverbank	Patterson	First to Terminal	Widen to 4 lanes	\$	207,873	2025
Widening	Riverbank	Roselle	100th to Morrill to Rosebrook	Widen to 4 lanes	\$	220,564	2025
Widening	Riverbank	Roselle	Modesto Irrigation District Canal to Claribel	Widen to 4 lanes	\$	967,858	2025
Widening	Riverbank	Roselle	Rosebrook to Modesto Irrigation District Canal	Widen to 4 lanes	\$	177,224	2025
Widening	Riverbank	Terminal	Townsend to Van Dusen	Reconstruct 2 lane street	\$	130,915	2015
Widening	Riverbank	Terminal	Van Dusen to Claribel	Reconstruct 2 lane street	\$	602,508	2015
Intersection	Turlock	Taylor Road at SR 99	Taylor Road at SR 99	Reconstruct interchange	\$	6,238,795	2020
Widening	Turlock	East Avenue	Golden State Boulevard To Daubenberger Road	Expansion of the existing 2-lane Road to a 4 Lane Arterial	\$	3,729,000	2025
Widening	Turlock	Fulkerth Road	Washington Road to Tegner	Expansion of the existing 2-lane Road to a 4 Lane Arterial	\$	2,864,887	2030
Widening	Turlock	Fulkerth Road	Tegner Road to Dianne	Expansion of the existing 2-lane Road to a 4 Lane Arterial	\$	485,632	2015
Widening	Turlock	Fulkerth Road	Dianne to SR 99	Expansion of the existing 2-lane Road to a 5 Lane Arterial	\$	242,816	2015
Widening	Turlock	Golden State Blvd	Monte Vista Avenue to Fulkerth Avenue	Completion of the 6 lane Boulevard	\$	2,265,000	2020
Widening	Turlock	Golden State Blvd	Taylor Road to Monte Vista Avenue	Completion of the 6 lane Boulevard	\$	2,613,000	2015
Widening	Turlock	Lander Avenue	Simmons Road to SR 99	Expansion of the existing 2-lane Road to a 4 Lane Arterial	\$	530,398	2030
Widening	Turlock	Taylor Road	Golden State Boulevard To SR 99	Expansion of the existing 2-lane Road to a 4 Lane Arterial	\$	95,350	2015
Widening	Turlock	Washington Road	Ruble Road to Main St.	Expansion of the existing 2-lane Road to a 4 Lane Arterial	\$	1,462,463	2020
Widening	Turlock	West Main Street	Walnut Road to SR 99	Expansion of the existing 5 lane Road to a 6 Lane Arterial	\$	13,300,000	2030
Widening	Turlock	West Main Street	Tegner Road to Walnut Road	Expansion of the existing 2-5 lane Road to a 6 Lane Arterial	\$	1,387,520	2020
Widening	Turlock	West Main Street	Washington Road to Tegner Road	Expansion of the existing 2 lane Road to a 4 Lane Arterial	\$	1,873,152	2020
New Construction	Turlock	N. Kilroy Avenue	West Main St. to W. Canal Drive	Construction of a Collector	\$	505,800	2030
New Construction	Turlock	S. Kilroy Avenue	Spengler Way to W. Linwood Avenue	Construction of a Industrial Collector	\$	636,258	2020
New Construction	Turlock	Tegner Road	Monte Vista Avenue to Fulkerth Avenue	Completion of the Industrial	\$	617,000	2015
New Construction	Turlock	Tegner Road	Fulkerth Road to north of Pedretti Park	Construction of a Industrial Collector	\$	785,700	2015
New Construction	Turlock	Tegner Road	Linwood Avenue to W. Main St.	Construction of a Industrial Collector	\$	343,200	2015
New Construction	Turlock	Tegner Road	W. Main Street to Fulkerth Road	Construction of a Industrial Collector	\$	2,207,450	2015
New Construction	Turlock	West Canal Drive	Washington Road to Tegner Road	Construction of a Collector	\$	2,099,095	2030
New Construction	Turlock	West Canal Drive	SR99 to Tegner Road	Construction of a Collector	\$	1,835,005	2030



New Construction	Turlock	Waring Road	Hawkeye Avenue to Linwood Avenue	Construction of a Collector	\$	3,300,000	2030
New Construction	Turlock	Roadway south of the Union Pacific Railroad Tracks	Kilroy Road to Walnut Road	Construction of a Collector	\$	867,000	2020
Widening	Turlock	Monte Vista Avenue	Olive Avenue to Berkeley Avenue	Installation of Median and addition of 1 Lane	\$	1,039,800	2010
Widening	Turlock	North Olive	Canal Drive to Wayside Road	Expansion of the existing 2-lane Road to a 4 Lane Arterial	\$	673,200	2020
Widening	Turlock	North Olive Avenue	Bennington Street to Moonbeam Street	Expansion of the existing 2-lane Road to a 4 Lane Arterial	\$	201,000	2020
Widening	Turlock	North Olive Avenue	Tuolumne Road to Tornell Road	Expansion of the existing 2-lane Road to a 4 Lane Arterial	\$	598,000	2015
Widening	Turlock	North Olive Avenue	Wayside Drive to North Avenue	Expansion of the existing 2-lane Road to a 4 Lane Arterial	\$	701,000	2015
Widening	Turlock	Taylor Road	Tegner Road to Golden State Boulevard	Expansion of the existing 2-lane Road to a 4 Lane Collector	\$	398,070	2015
Widening	Turlock	W. Linwood Avenue	Walnut Road to Lander Avenue	Expansion of the existing 2-lane Road to a 3 Lane Collector	\$	485,632	2030
Widening	Turlock	W. Linwood Avenue	Tegner Road to Walnut Road	Expansion of the existing 2-lane Road to a 3 Lane Collector	\$	2,864,887	2030
Widening	Turlock	Monte Vista Avenue	Washington to SR 99	Expansion of the existing 2-lane Road to a 4 Lane Arterial	\$	303,738	2015
						<b>Sub-Total</b>	<b>\$ 2,127,865,887</b>

Regional Roads						
Tier II Non-Fiscally Constrained						
Project Type	Jurisdiction	Location	Project Limits	Description	Total Project Cost	
Expressway	Ceres	Hatch Road	SR 99 to Mitchell	Widen from 4 to 6-lane expressway and intersection	\$	30,000,000
Expressway	Ceres	Service Road	Ustick to Faith Home Road	Widen from 2 to 4-lane expressway	\$	9,894,250
Expressway	Ceres	Whitmore Avenue	Mitchell to Faith Home	Widen from 2 to 4-lane expressway	\$	2,071,560
Widening	Ceres	Crows Landing Road	Service Road to Grayson	Widen from 2 to 4-lanes	\$	991,840
Widening	Ceres	Hatch Road	Crows Landing to Geer Road	Widen to 6-lanes	\$	
Widening	Ceres	Mitchell	Service Road to Grayson	Widen to 4-lanes	\$	1,009,020
Widening	Ceres	Whitmore	Morgan to Central	Widen from 2 to 4-lanes	\$	6,221,600
Widening	Ceres	Central Avenue	Industrial to Grayson	Widen from 2 to 4-lanes	\$	2,419,800
Widening	Ceres	Grayson	Crows Landing to Mitchell	Widen from 2 to 4-lanes	\$	2,397,560
Widening	Ceres	Morgan Road	Seventh to Grayson	Widen from 2 to 4-lanes	\$	478,690
Widening	Ceres	Whitmore	Ustick to Morgan	Widen from 2 to 4-lanes	\$	185,850
Widening	Ceres	Mitchell Road	Nicolas to SR 99	Widen to 6-lanes	\$	2,000,000
Expressway	Ceres/County	Hatch Road	Geer to Mitchell	Widen from 2 to 4-lane expressway and intersection	\$	30,000,000
Interchange	Turlock	SR-99	Main Street	Interchange	\$	13,300,000
Interchange	Turlock	SR-99	Lander Avenue	SR-165 (Lander) Interchange	\$	25,000,000
Interchange	Turlock	SR-99	Fulkerth Road	Interchange	\$	8,180,000
Overpass	Turlock	SR-99	Tuolumne Rd.	Overpass	\$	8,160,000
Expressway	County	Carpenter	Service Road to Whitmore Avenue	Widen from 2 to 4-lane expressway	\$	5,167,579
Expressway	County	Claus	Claribel to Townsend	Widen from 2 to 6-lane expressway	\$	1,211,405
Expressway	County	Claus	Terminal to Claribel	Widen from 2 to 6-lane expressway	\$	1,889,557
Expressway	County	Carpenter - South	Service to Hatch	New 4-lane expressway		
Expressway	County	Crows Landing Road	Service to W. Main	New 4/5-lane expressway		
Expressway	County	Crows Landing Road	Service to I-5	Widen from 2 to 4/5-lane expressway	\$	115,500,000
Expressway	County	E. Whitmore Avenue	Geer to Ceres City Boundary	New 4/5-lane expressway		
Expressway	County	Geer/Albers Road	Turlock (Zeering Road) to Oakdale Bypass	New 4/5-lane expressway		
Expressway	County	Golden State Boulevard	Keyes to Monte Vista	New 6-lane expressway		
Expressway	County	Golden State Boulevard	Taylor to Keyes	Widen from 2 to 4-lane expressway	\$	1,172,989
Expressway	County	Harding Road	Southern leg of Turlock Expressway loop	Construct 4-lane expressway		
Expressway	County	Hatch Road - West	Carpenter Road to SR-99	New 4-lane expressway		
Expressway	County	Keyes Road	Geer to Santa Fe Avenue	New 4/5-lane expressway		
Expressway	County	Kiernan Corridor	Dakota to Claus Road	New 6-lane expressway		
Expressway	County	Kiernan Corridor	Claus to Albers	New 6-lane expressway		
Expressway	County	McHenry Avenue	Pelandale to County line	New 4-lane expressway		
Expressway	County	McHenry Avenue	Ladd to San Joaquin County line	Widen from 2 to 4-lane expressway	\$	8,252,740
Expressway	County	Patterson Bypass	San Joaquin River to Sperry	New 4/5-lane expressway		
Expressway	County	Santa Fe Avenue	County line to Geer	New 4/5-lane expressway		
Expressway	County	Santa Fe Avenue	County line to Empire	Widen from 2 to 4-lane expressway	\$	82,500,000
Expressway	County	Service Road	Faith Home Road to Carpenter	New 4/5-lane expressway		
Expressway	County	West Main Street	Washington to Patterson Bypass (west of San Joaquin River)	New 4/5-lane expressway		
Expressway	County	Golden State Extension	Keyes to Faith Home	New 4-lane expressway		
Expressway	County	Claus	Briggsmore to Claribel	New 6-lane expressway		
Expressway	County	Pelandale (Claratina)	McHenry to Claus	New 6-lane expressway		
Expressway	County	Parker ALT to Briggsmore	East of Claus to Albers	New 4/5-lane expressway		
New Construction	County	Merced	SR 33 and RR	Add 2 lanes and LT lane at each intersection approach; widen crossing to 4 lanes and move gates		
New Construction	County	American	Pelandale to Kiernan	Construct 2-lane road		
New Construction	County	Garst Road	Frazine to Church Street	New 2-lane road		
New Construction	County	Jensen/Sherman Parkway (Newman)	From West Parkway to 1/2 way between West Parkway and Hardin to 1/2 mile east of SR-33	Construct 2-lane road	\$	878,600
New Construction	County	TID Lateral No. 1	Ustick at TID Lot #1	Within Modesto Widen Canal Crossing at TID Lat. No. 1		
Widening	County	26 Mile Road	Oakdale 2015 Boundary to SR 120	Widen to 4-lanes	\$	360,000
Widening	County	Carpenter Road	West Main Street to SR 99	Widen portions	\$	5,449,883
Widening	County	Claus/Carner Road	Tuolumne River to Yosemite Boulevard	Widen to 4-lanes		

**APPENDIX B**  
**TIER II LIST ASSUMPTIONS FOR YEAR 2050**

## Mainline Roadways and Highways

### Tier II Non-Fiscally Constrained

Project Type	Jurisdiction	Location	Project Limits	Description	Total Project Cost*
Widening	Patterson	Interstate 5 (I-5)	San Joaquin County line to Sperry Road in Patterson	Widen from 4 to 6 lanes	\$ 74,500,000
Widening	Patterson	State Route (SR) 33	Within Patterson City limits	Widen from 3 to 5 lanes	\$ 40,000,000
Widening	Newman	SR 33	Within Newman City limits	Widen from 3 to 5 lanes	\$ 10,000,000
Widening	Oakdale	SR 120	Along existing Oakdale bypass	Widen from 2 to 4 lanes	\$ 50,000,000
Widening	County	SR 132 - East of SR 99	Frazine to east of Empire	Widen from 2 to 4 lanes; grade separation at BNSF tracks	\$ 70,000,000
Grade Separation	Modesto Stanislaus County	SR-132 East of SR-99	SR-99 to Empire/BNSF Rail	SR132 East Grade Separation	\$ 80,000,000
					<b>\$ 324,500,000</b>
Interchange	Crows Landing	I-5	Fink Road	Reconstruct interchange	\$ 25,000,000
Interchange	Newman	I-5	Stuhr Road near Newman	Reconstruct interchange	\$ 15,000,000
Interchange	Westley	I-5	Westley Triangle	Reconstruct interchange	\$ 15,000,000
Interchange	Modesto	SR 99	Hammett Road	Reconstruct interchange	\$ 38,000,000
Interchange	Ceres	SR 99	Hatch Road	Reconstruct interchange	\$ 25,000,000
Interchange	Keyes	SR 99	Taylor Road	Reconstruct interchange	\$ 5,200,000
					<b>\$ 123,200,000</b>
Expressway	Countywide	I-5	Merced County Line to San Joaquin County Line	Widen to 6-lane expressway	\$ 82,500,000
Expressway	Countywide	SR-33	Merced County Line to San Joaquin County Line	Widen from 2 to 4-lane expressway	\$ 40,000,000
Expressway		SR 108	Modesto City limits to East of Oakdale via SR 108 or Claribel	New 4 to 6-lane expressway	\$ 40,951,519
Expressway	Oakdale	SR 120	Tuolumne County line to Lancaster Road	New 2-lane expressway	\$ 60,000,000
Expressway	Oakdale	SR 120	Oakdale Expressway to San Joaquin County line	New 2-lane expressway	\$ 50,000,000
					<b>\$ 273,451,519</b>
<b>TOTAL FUNDING</b>					<b>\$ 721,151,519</b>



New Construction	Turlock	Waring Road	Hawkeye Avenue to Linwood Avenue	Construction of a Collector	\$	3,300,000	2030
New Construction	Turlock	Roadway south of the Union Pacific Railroad Tracks	Kilroy Road to Walnut Road	Construction of a Collector	\$	867,000	2020
Widening	Turlock	Monte Vista Avenue	Olive Avenue to Berkeley Avenue	Installation of Median and addition of 1 Lane	\$	1,039,800	2010
Widening	Turlock	North Olive	Canal Drive to Wayside Road	Expansion of the existing 2-lane Road to a 4 Lane Arterial	\$	673,200	2020
Widening	Turlock	North Olive Avenue	Bennington Street to Moonbeam Street	Expansion of the existing 2-lane Road to a 4 Lane Arterial	\$	201,000	2020
Widening	Turlock	North Olive Avenue	Tuolumne Road to Tonnell Road	Expansion of the existing 2-lane Road to a 4 Lane Arterial	\$	598,000	2015
Widening	Turlock	North Olive Avenue	Wayside Drive to North Avenue	Expansion of the existing 2-lane Road to a 4 Lane Arterial	\$	701,000	2015
Widening	Turlock	Taylor Road	Fegner Road to Golden State Boulevard	Expansion of the existing 2-lane Road to a 4 Lane Collector	\$	398,070	2015
Widening	Turlock	W. Linwood Avenue	Walnut Road to Lander Avenue	Expansion of the existing 2-lane Road to a 3 Lane Collector	\$	485,632	2030
Widening	Turlock	W. Linwood Avenue	Fegner Road to Walnut Road	Expansion of the existing 2-lane Road to a 3 Lane Collector	\$	2,864,887	2030
Widening	Turlock	Monte Vista Avenue	Washington to SR 99	Expansion of the existing 2-lane Road to a 4 Lane Arterial	\$	303,738	2015
						<b>Sub-Total</b>	<b>\$ 2,127,865,887</b>

Regional Roads						
Tier II Non-Fiscally Constrained						
Project Type	Jurisdiction	Location	Project Limits	Description	Total Project Cost	
Expressway	Ceres	Hatch Road	SR 99 to Mitchell	Widen from 4 to 6-lane expressway and Intersection	\$	30,000,000
Expressway	Ceres	Service Road	Ustick to Faith Home Road	Widen from 2 to 4-lane expressway	\$	9,894,250
Expressway	Ceres	Whitmore Avenue	Mitchell to Faith Home	Widen from 2 to 4-lane expressway	\$	2,071,560
Widening	Ceres	Crows Landing Road	Service road to Grayson	Widen from 2 to 4 lanes	\$	991,840
Widening	Ceres	Hatch Road	Crows Landing to Geer Road	Widen to 6 lanes		
Widening	Ceres	Mitchell	Service Road to Grayson	Widen to 4 lanes	\$	1,008,020
Widening	Ceres	Whitmore	Morgan to Central	Widen from 2 to 4 lanes	\$	6,221,690
Widening	Ceres	Central Avenue	Industrial to Grayson	Widen from 2 to 4 lanes	\$	2,419,800
Widening	Ceres	Grayson	Crows Landing to Mitchell	Widen from 2 to 4 lanes	\$	2,397,560
Widening	Ceres	Morgan Road	Seventh to Grayson	Widen from 2 to 4 lanes	\$	478,690
Widening	Ceres	Whitmore	Ustick to Morgan	Widen from 2 to 4 lanes	\$	185,850
Widening	Ceres	Mitchell Road	Nicolas to SR 99	Widen to 6 lanes	\$	2,000,000
Expressway	Ceres/County	Hatch Road	Geer to Mitchell	Widen from 2 to 4-lane expressway and Intersection	\$	30,000,000
Interchange	Turlock	SR-99	Main Street	Interchange	\$	13,300,000
Interchange	Turlock	SR-99	Lander Avenue	SR-165 (Lander) Interchange	\$	25,000,000
Interchange	Turlock	SR-99	Fulkerth Road	Interchange	\$	8,180,000
Overpass	Turlock	SR-99	Tuolumne Rd.	Overpass	\$	8,180,000
Expressway	County	Carpenter	Service Road to Whitmore Avenue	Widen from 2 to 4-lane expressway	\$	5,107,579
Expressway	County	Claus	Claribel to Townsend	Widen from 2 to 6-lane expressway	\$	1,211,405
Expressway	County	Claus	Terminal to Claribel	Widen from 2 to 6-lane expressway	\$	1,889,557
Expressway	County	Carpenter - South	Service to Hatch	New 4-lane expressway		
Expressway	County	Crows Landing Road	Service to W. Main	New 4/5-lane expressway		
Expressway	County	Crows Landing Road	Service to I-5	Widen from 2 to 4/5-lane expressway	\$	115,500,000
Expressway	County	E. Whitmore Avenue	Geer to Ceres City Boundary	New 4/5-lane expressway		
Expressway	County	Geer/Albers Road	Turlock (Zeering Road) to Oakdale Bypass	New 4/5-lane expressway		
Expressway	County	Golden State Boulevard	Keyes to Monte Vista	New 6-lane expressway		
Expressway	County	Golden State Boulevard	Taylor to Keyes	Widen from 2 to 4-lane expressway	\$	1,172,989
Expressway	County	Harding Road	Southern leg of Turlock Expressway loop	Construct 4-lane expressway		
Expressway	County	Hatch Road - West	Carpenter Road to SR-99	New 4-lane expressway		
Expressway	County	Keyes Road	Geer to Santa Fe Avenue	New 4/5-lane expressway		
Expressway	County	Kiernan Corridor	Dakota to Claus Road	New 6-lane expressway		
Expressway	County	Kiernan Corridor	Claus to Albers	New 6-lane expressway		
Expressway	County	McHenry Avenue	Pelandale to County line	New 4-lane expressway		
Expressway	County	McHenry Avenue	Ladd to San Joaquin County line	Widen from 2 to 4-lane expressway	\$	8,252,740
Expressway	County	Patterson Bypass	San Joaquin River to Sperry	New 4/5-lane expressway		
Expressway	County	Santa Fe Avenue	County line to Geer	New 4/5-lane expressway		
Expressway	County	Santa Fe Avenue	County line to Empire	Widen from 2 to 4-lane expressway	\$	82,500,000
Expressway	County	Service Road	Faith Home Road to Carpenter	New 4/5-lane expressway		
Expressway	County	West Main Street	Washington to Patterson Bypass (west of San Joaquin River)	New 4/5-lane expressway		
Expressway	County	Golden State Extension	Keyes to Faith Home	New 4-lane expressway		
Expressway	County	Claus	Briggsmore to Claribel	New 6-lane expressway		
Expressway	County	Pelandale (Claratina)	McHenry to Claus	New 6-lane expressway		
Expressway	County	Parker ALT to Briggsmore	East of Claus to Albers	New 4/5-lane expressway		
New Construction	County	Merced	SR 33 and RR	Add 2 lanes and LT lane at each intersection approach; widen crossing to 4 lanes and move gates		
New Construction	County	American	Pelandale to Kiernan	Construct 2-lane road		
New Construction	County	Garst Road	Frazine to Church Street	New 2-lane road		
New Construction	County	Jensen/Sherman Parkway (Newman)	From West Parkway to 1/2 way between West Parkway and Hardin to 1/2 mile east of SR 33	Construct 2-lane road	\$	878,600
New Construction	County	TID Lateral No. 1	Ustick at TID Lat #1	Within Modesto Widen Canal Crossing at TID Lat. No. 1		
Widening	County	26 Mile Road	Oakdale 2015 Boundary to SR 120	Widen to 4 lanes	\$	360,000
Widening	County	Carpenter Road	West Main Street to SR 99	Widen portions	\$	5,449,883
Widening	County	Claus/Garner Road	Tuolumne River to Yosemite Boulevard	Widen to 4 lanes		

Widening	County	East Avenue	Turlock city limit to Santa Fe Avenue	Widen to 4/5 lanes	
Widening	County	McHenry Avenue	Modesto city limits to SR 219, SR 108 to county line	Widen to 4 lanes	\$ 8,252,740
Widening	County	Montpelier	Merced County line to Waterford	Widen from 2 to 4 lanes	\$ 2,000,000
Widening	County	Montpelier	Merced County line to Waterford	Widen from 2 to 4 lanes	\$ 2,000,000
Widening	County	Service Road	Carpenter Road to Faith Home Road	Widen to 4 lanes	
Widening	County	Sperry	Sperry Bridge over Delta Mendota Canal and Calif. Aqueduct	Widen Sperry to 4 lanes	\$ 5,000,000
Widening	County	Rogers	Sperry north to Delta Mendota Canal	Widen to 4 lanes	\$ 200,000
Expressway	County/Ceres	Faith Home	SR99 to Hatch	New 6-lane expressway	
Expressway	Grayson	Grayson/Howard	Crows Landing to I-5	Widen from 2 to 4/5-lane expressway	\$ 99,000,000
Expressway	Keyes	Keyes Road	Crows Landing to Santa Fe Avenue	Widen from 2 to 4/5-lane expressway	\$ 49,500,000
Expressway	Keyes	Keyes Road	Faith Home to Foote	Widen from 2 to 4-lane expressway	\$ 196,200
Expressway	Modesto	Claus/Garner	Hatch to Briggsmore	New 5-lane expressway	
Expressway	Modesto	Briggsmore Extension - W	SR99 to Dakota	New 4-lane expressway	
Expressway	Modesto	Briggsmore Extension - E	Claus to Albers	New 4-lane expressway	
Expressway	Modesto	Claus	Briggsmore to Claribel	New 6-lane expressway	
Expressway	Modesto	Claus/Garner	Hatch to Briggsmore	New 5-lane expressway	
Expressway	Modesto	Pelandale (Claratina)	McHenry to Claus	New 6-lane expressway	
Expressway	Modesto	Briggsmore Extension - W	SR99 to Dakota	New 4-lane expressway	
Expressway	Modesto	Parker ALT to Briggsmore	East of Claus to Albers	New 4/5-lane expressway	
New Construction	Modesto	Lincoln/Lakewood Bridge	Over Dry Creek	Construct a new bridge xing over Dry Creek	\$ 36,000,000
New Construction	Modesto	Modesto Irrigation District Lateral No. 3	New streets in College West Industrial Development - 2 Canal Crossings	Within Modesto - Two Canal Crossings of Modesto Irrigation District Lat. No. 3	\$ 2,400,000
New Construction	Modesto	Lincoln/Lakewood Bridge		Construct a new bridge xing over Dry Creek	\$ 8,142,000
New Construction	Modesto	Modesto Irrigation District Lateral No. 3	New streets in College West Industrial Development - 2 Canal Crossings	Within Modesto - Two Canal Crossings of Modesto Irrigation District Lat. No. 3	
Widening	Modesto	Briggsmore Avenue	Sisk Road to Claus Road	Widen to 6 lanes	
Widening	Modesto	Carpenter Road	Maze Boulevard to Hatch Road	Widen to 4 lanes	
Widening	Modesto	Claribel Road	McHenry Avenue to Claus Road	Widen to 4 lanes	
Widening	Modesto	Claus Road	Yosemite Boulevard to Claribel Road	Widen to 4 lanes	
Widening	Modesto	Briggsmore Avenue	Sisk Road to Claus Road	Widen to 6 lanes	
Widening	Modesto	Carpenter Road	Maze Boulevard to Hatch Road	Widen to 4 lanes	
Widening	Modesto	Claribel Road	McHenry Avenue to Claus Road	Widen to 4 lanes	
Widening	Modesto	Claus Road	Yosemite Boulevard to Claribel Road	Widen to 4 lanes	
Expressway	Modesto/County	Geer/Albers Road	Turlock to Claribel Road	Widen from 2 to 4/5-lane expressway	\$ 88,000,000
New Construction	Newman	Brazo	Canal School road to SR 33 in Newman	Extend Brazo	\$ 1,500,000
New Construction	Newman	Inyo	Prince to SR 33	Restripe to 4 lanes	\$ 24,000
New Construction	Newman	Inyo	SR 33 and RR	Add 2 lanes and LT lane at each intersection approach; widen crossing to 4 lanes and move gates	\$ 600,000
New Construction	Newman	Jensen/Sherman Parkway (Newman)	From SR 33 to Fig Lane	Widen to 4 lanes	\$ 2,360,200
New Construction	Newman	Karn/Driskell	O Street to Balsam	Restripe or widen to 4 lanes	\$ 50,000
New Construction	Newman	Merced	P Street to SR 33	Restripe as 4 lanes	\$ 30,000
Widening	Newman	Hills Ferry	Canal School Road to 1/2 miles north of Sherman Parkway	Widen from 2 to 4 lanes	\$ 3,550,400
Widening	Newman	Hoyer Road	West Parkway to Upper	Widen to 4 lanes	\$ 1,347,300
Widening	Newman	Jensen/Sherman Parkway (Newman)	From West Parkway to 1/2 way between West Parkway and Hardin to 1/2 mile east of SR 33	Widen to 4 lanes	\$ 2,360,200
Widening	Newman	Merced	SR 33 to Canal School Road in Newman	Widen (or restripe) from 2 to 4 lanes	\$ 24,000
New Construction	Oakdale	West side underpass- Willowood	Willowood RR underpass	Construct 2-lane underpass	\$ 500,000
New Construction	Oakdale	Willowood	F Street to Greger	Construct 4-lane road	\$ 700,000
Widening	Oakdale	F Street	Oak to Crane	Widen to 4 lanes with median	\$ 1,774,000
Widening	Oakdale	Valley Home	2015 Oakdale boundary to SR 120	Widen to 4 lane urban road	\$ 340,000
Widening	Oakdale	Yosemite	Warnerville to East F Street	Widen to 4 lanes and overlay	\$ 1,150,000
Widening	Oakdale	Yosemite	Valley Home Turnoff to Bridge	Widen to 4 lanes	\$ 1,365,000
Widening	Oakdale	Crane	F Street to SR 108	Widen to 4 lanes	\$ 1,624,000
Widening	Oakdale	Rodden Road	SR 120 to 28 Mile Road	Widen to 4 lane urban road	\$ 3,545,000
Widening	Oakdale	River Road	Cleveland to SR 120	Widen to 4 lane urban road	\$ 5,475,960
Widening	Oakdale	Stearns Road	A Street to F Street	Widen to 4 lane urban road	\$ 1,123,200
Expressway	Patterson	Sperry Road/Orange Avenue	Future Patterson Bypass (south of Las Palmas in Patterson from west of San Joaquin River to connect with Sperry Road to I-5)	New 4-lane expressway	\$ 19,200,000
New Construction	Patterson	Rogers Road	Delta Mendota Canal Bridge widening at Rogers Road.	Widening - 2 to 4 lanes	\$ 5,000,000
New Construction	Patterson	Rogers Road	Sperry Avenue South Bound	Completion of the Collector	\$ 4,000,000
New Construction	Patterson	Park Center Drive Street	Sperry Avenue South Bound	Completion of the Collector	\$ 5,000,000
Widening	Patterson	Baldwin Road	Key Stone Pacific Parkway to approximately Zacharias	Widen from 2 to 4 lanes	\$ 3,000,000
New Construction	Patterson	Ivy (Patterson)	To SR 33	50' extension of 2-lane road	\$ 73,389
Widening	Patterson	Las Palmas Avenue	2nd to Sycamore	Widen Las Palmas to 4 lanes	
Widening	Patterson	Baldwin Road	Sperry Road to approximately Zacharias	Widen from 2 to 4 lanes	
Widening	Patterson	M Street	1st to Ward	Widen M Street to 4 lanes	\$ 300,000
Widening	Patterson	Ward Street	Ivy to 9th Street	Widen to 4 lanes	\$ 400,000
Widening	Patterson	Interstate 5	San Joaquin County line to Sperry Road in Patterson	Widen 4 to 6 lanes	\$ 89,400,000
Widening	Patterson	State Route 33	Within Patterson City Limits	Widen from 3 to 5 lanes	\$ 48,000,000



New Expressway	Patterson	Southern Expressway South of current Sphere of Influence	Future Patterson Bypass (south of Las Palmas in Patterson from West of San Joaquin River to Connect with Sperry Road to I-5)	New 4-Lane expressway	\$	19,200,000
New Interchange	Patterson	I-5 and Zacharias Road	Zacharias Road West to I-5	Extend existing Zacharias road west and construct new interchange at I-5	\$	30,000,000
New Expressway	Patterson	North Expressway North of Current Sphere of Influence	Future Patterson Bypass	Expressway to Las Palmas Ave that connects at Zacharias Interchange	\$	19,200,000
Widening	Patterson	Baldwin Road	Keystone Pacific Parkway to approximately Zacharias	Widen 2 to 4 lanes	\$	3,000,000
Widening	Patterson	West Main Street	Widen W. Main Street Bridge at San Joaquin River	Widen 2 to 4 lanes	\$	20,000,000
Expressway	Riverbank	Ladd/Patterson	Riverbank to SR 99	Widen and construct 4-lane expressway	\$	44,000,000
Widening	Riverbank	Claus Road	SR 108 to Townsend	Widen from 2 to 4 lanes	\$	1,048,128
Widening	Riverbank	Oakdale	Patterson to Modesto Irrigation District Canal	Widen from 2 to 4 lanes	\$	96,300
Widening	Riverbank	Oakdale	Patterson to Modesto Irrigation District Canal	Widen from 2 to 4 lanes	\$	96,300
Widening	Riverbank	Oakdale	Morril to Claribel	Widen from 2 to 4 lanes	\$	1,920,225
Widening	Riverbank	SR108	Modesto Irrigation District Canal to Oakdale	Widen to 4 lanes	\$	282,105
Expressway	Turlock	East Avenue	Santa Fe Avenue to Turlock City Boundary	New 4/5-lane expressway	\$	22,000,000
Expressway	Turlock	Golden State Boulevard	Monte Vista to Berkeley	New 4-lane expressway		
Expressway	Turlock	Taylor Road	Washington to Golden State	New 4-lane expressway		
Expressway	Turlock	Washington Road (Turlock)	Western leg of Turlock Expressway loop	Construct 4-lane expressway		
Expressway	Turlock	Washington Road (Turlock)	Harding to Taylor	New 4-lane expressway		
New Construction	Turlock	New Street (4-lane Collector to connect Berkeley and Johnson just north of where Berkeley ties into Golden State Boulevard)	Berkeley to Johnson Road	Construction of a 4 Lane Collector		
New Construction	Turlock	New Street (Industrial Collector to be constructed south of UPRR)	Walnut Road to Kilroy Road	Construction of a Industrial Collector		
New Construction	Turlock	Tuolumne Road	SR 99 to Golden State Blvd.	Completion of the Collector		
Widening	Turlock	Golden State Boulevard	Taylor to Keyes	Widen from 2 to 4 lanes	\$	1,172,989
Widening	Turlock	Washington Road	Monte Vista Avenue to W. Main St.	Expansion of the existing 2-lane Road to a 4 Lane Arterial		
Widening	Turlock	Washington Road	Taylor Road to Monte Vista Avenue	Expansion of the existing 2-lane Road to a 4 Lane Arterial		
Widening	Turlock	E. Linwood	Golden State Boulevard To Waring Rd	Expansion of the existing 2-lane Road to a 4 Lane Collector		
Widening	Turlock	Monte Vista Avenue	N. Berkeley Road to Quincy Road	Expansion of the existing 2-lane Road to a 4 Lane Arterial		
Widening	Turlock	Taylor Road	Golden State Boulevard to Berkeley Avenue	Widen to 4 lanes		
				Sub-Total	\$	1,031,175,649

### Regional Roads

#### Tier Ia Non-Fiscally Constrained

Project Type	Jurisdiction	Location	Project Limits	Description	Total Project Cost*	Open To Traffic Year
New Construction	Modesto	New Road	Beckwith to Murphy	Minor Arterial Improvements	\$ 13,348,800	2015
Widening	Modesto	Coffee	Mable to Scenic	Widen Intersections	\$ 5,400,000	2015
Widening	Modesto	Kansas	Morse to 8th St	Widen at Intersections	\$ 8,400,000	2010
Widening	Modesto	I Street	14th to Downey	Roadway Rehabilitation	\$ 1,638,400	2010
Widening	Modesto	H Street	Sutter to Bumey	Roadway Rehabilitation	\$ 4,178,400	2010
Widening	Modesto	B Street	9th to 12th	Roadway Rehabilitation	\$ 2,622,000	2010
Widening	Modesto	G Street	Sierra to 17th	Roadway Rehabilitation	\$ 4,470,000	2010
Widening	Modesto	Needham	12th to I. Street	Roadway Rehabilitation	\$ 1,322,400	2010
Widening	Modesto	Tuolumne	Roselaw to Madera	Roadway Rehabilitation	\$ 1,398,000	2010
Widening	Hughson	Geer Road	Hatch Road and Santa Fe	Widen to 4 lanes		
Widening	Hughson	Santa Fe Avenue	Santa Fe Avenue and Tully Road	Widen to 4 lanes		
Widening	Hughson	Hatch Road	Santa Fe Avenue and Tully Road	Widen to 4 lanes		
Widening	Patterson	Ward Avenue	Hwy 33 South to City Limits	Widen Ward Ave to 4 lanes and re-align intersection	\$ 1,895,000	
Expressway	County/Ceres	Geer/Albers Road	Turlock to Claribel Road	Widen from 2 to 4/5-lane expressway		
				Sub-Total	\$	44,673,000