



**Kern Council  
of Governments**

October 20, 2015

Mr. Bruce De Terra  
California Department of Transportation  
Division of Transportation Programming, MS82  
P.O. Box 942874  
Sacramento, CA 94274-0001

Attention: Mr. Muhaned Aljabiry

**Subject: Submittal of the Kern Council of Governments' Amendment No. 12 to the 2015 Federal Transportation Improvement Program and 2015 Conformity Analysis for the 2008 Ozone and 2012 PM 2.5 Standards**

Dear Mr. De Terra:

Enclosed for your review and approval is Amendment No. 12 to the 2015 Federal Transportation Improvement Program (FTIP) and 2015 Conformity Analysis for the 2008 Ozone and 2012 PM 2.5 Standards. The final adopted documents meet all applicable transportation planning requirements per 23 CFR Part 450 and 40 CFR Part 93.

- FTIP Amendment #12: Attachment 1 includes a summary of programming changes that result from Amendment No. 12 to the 2015 FTIP. These project and/or project phases are consistent with the 2014 Regional Transportation Plan (RTP), which was adopted June 19, 2014. The attachment also includes the "CTIPS" printout for the proposed project changes.
- Conformity Requirements: Attachment 2 includes the 2015 Conformity Analysis for the 2008 Ozone and 2012 PM2.5 Standards which contains the documentation to demonstrate that the criteria specified in the federal transportation conformity rule and the federal ozone implementation rule for the 2008 Ozone standard are satisfied by the 2015 TIP (as amended) and 2014 RTP. As required by the federal ozone implementation rule published in March 2015, the 2015 Conformity Analysis for the 2008 Ozone and 2012 PM2.5 Standards addresses a new attainment year of 2031. In addition, the 2015 Conformity Analysis contains a new conformity demonstration for the 2012 annual PM2.5 Standards. In accordance with Section 93.122(g) of the conformity rule, the 2015 Conformity Demonstration for the 2008 Ozone and 2012 PM2.5 Standards relies on the federally approved previous emissions analysis for carbon monoxide, PM-10, and PM2.5 (1997 24-hour & Annual Standards and 2006 24-Hour Standard). The 2014 RTP/2015 FTIP and corresponding conformity analysis were approved by FHWA and FTA on December 15, 2014. Approval of the 2015 Conformity Analysis for the 2008 Ozone and 2012 PM2.5 Standards does not interfere with the timely implementation of any approved TCMs.

Page 2  
2015 FTIP Amend. 12/Conformity  
October 20, 2015

- Public Involvement: Attachment 3 includes the Public Notice and Adoption Resolution.

A 30-day public review and interagency consultation period was completed on September 28, 2015. A public hearing was held on September 9, 2015. No comments were received. The public participation process for Amendment No. 12 to the 2015 FTIP and 2015 Conformity Analysis is consistent with Kern COG Board adopted public participation plan. On October 15, 2015, the Kern COG Board of Directors approved Amendment No. 12 to the 2015 FTIP and 2015 Conformity Analysis for the 2008 Ozone and 2012 PM 2.5 Standards. State and federal approval is required.

Included with this letter are two hard copies of Amendment No. 12 to the 2015 FTIP and 2015 Conformity Analysis. An electronic copy of the four year financial plan will be sent via email. The Amendment No. 12 to the 2015 FTIP and 2015 Conformity Analysis are available online on Kern COG's website at [www.kerneog.org](http://www.kerneog.org)

If you should have any questions, please feel free to call Raquel Pacheco at (661) 861-2191.

Sincerely,



AHRON HAKIMI,  
EXECUTIVE DIRECTOR

AH/tp

Enclosures

cc:

Muhaned Aljabiry, Caltrans, Div. Of Programs (2 copies)  
Gail Miller, Caltrans District 6 (letter)  
Jim Perrault, Caltrans District 6 (electronic)  
Stephen Tracey, Caltrans District 6 (electronic)  
Forest Becket, Caltrans District 9 (electronic)  
Scott Carson, FHWA (electronic)  
Ted Matley, FTA (electronic)  
Hymie Luden, FTA (letter)  
Karina O'Connor, US EPA (electronic)  
Matthew Lakin, US EPA (electronic)  
Cari Anderson, ARB (electronic)  
Chelsea Gonzales, SJVAPCD (electronic)  
Glen Stephens, EKAPCD (electronic)  
Executive Directors, Valley COGs (electronic)

BEFORE THE KERN COUNCIL OF GOVERNMENTS  
STATE OF CALIFORNIA, COUNTY OF KERN

RESOLUTION NO. 15-40

In the Matter of:

2015 Federal Transportation Improvement Program Amendment #12 and the 2015 Conformity Analysis for the 2008 Ozone and 2012 PM2.5 Standards

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WHEREAS, the Kern Council of Governments (Kern COG) is a Regional Transportation Planning Agency and a Metropolitan Planning Organization, pursuant to State and Federal designation; and

WHEREAS, federal planning regulations require Metropolitan Planning Organizations to prepare and adopt a long range Regional Transportation Plan (RTP) for their region; and

WHEREAS, federal planning regulations require that Metropolitan Planning Organizations prepare and adopt a Federal Transportation Improvement Program (FTIP) for their region; and

WHEREAS, a 2014 Regional Transportation Plan was prepared in full compliance with federal guidance; and

WHEREAS, a 2014 Regional Transportation Plan was prepared in accordance with state guidelines adopted by the California Transportation Commission; and

WHEREAS, the 2015 Federal Transportation Improvement Program Amendment #12 (2015 FTIP Amendment #12) has been prepared to comply with Federal and State requirements for local projects and through a cooperative process between the Federal Highway Administration (FHWA), the Federal Transit Administration (FTA), the State Department of Transportation (Caltrans), principal elected officials of general purpose local governments and their staffs, and public owner operators of mass transportation services acting through Kern COG forum and general public involvement; and

WHEREAS, the 2015 FTIP Amendment #12 program listing is consistent with: 1) the 2014 Regional Transportation Plan; 2) the 2014 State Transportation Improvement Program; and 3) the 2015 Conformity Analysis for the 2008 Ozone and 2012 PM2.5 Standards; and

WHEREAS, the 2015 FTIP Amendment #12 contains the MPO's certification of the transportation planning process assuring that all federal requirements have been fulfilled; and

WHEREAS, the 2015 FTIP Amendment #12 meets all applicable transportation planning requirements per 23 CFR Part 450.

WHEREAS, projects submitted in the 2015 FTIP Amendment #12 must be financially constrained and the financial plan affirms that funding is available; and

WHEREAS, the 2015 FTIP Amendment #12 relies on the federally approved Conformity Analysis for the 2015 FTIP and 2014 RTP for carbon monoxide, PM-10, and PM 2.5 (1997 24-hour and Annual standards and the 2006 24-hour PM 2.5 standards) and a new regional emissions analysis for the 2008 Ozone and 2012 PM 2.5 Standards; and

WHEREAS, the MPO must demonstrate conformity per 40 CFR Part 93 for the RTP and FTIP; and

WHEREAS, the 2015 Conformity Analysis for the 2008 Ozone and 2012 PM2.5 Standards supports a finding that the 2015 FTIP Amendment #12 and 2014 RTP meet the air quality conformity requirements for carbon monoxide, ozone and particulate matter; and

WHEREAS, the 2015 FTIP Amendment #12 and 2014 RTP do not interfere with the timely implementation of the Transportation Control Measures; and

WHEREAS, the 2015 FTIP Amendment #12 and 2014 RTP conform to the applicable SIPs; and

WHEREAS, the documents have been widely circulated and reviewed by Kern COG's advisory committees representing the technical and management staffs of the member agencies; representatives of other governmental agencies, including State and Federal; representatives of special interest groups; representatives of the private business sector; and residents of Kern County consistent with public participation process adopted by Kern COG; and

WHEREAS, a public hearing was conducted on September 9, 2015 to hear and consider comments on the 2015 FTIP Amendment #12 and corresponding conformity analysis; and

NOW, THEREFORE, BE IT RESOLVED, that Kern COG adopts the 2015 FTIP Amendment #12 and corresponding conformity analysis; and

BE IT FURTHER RESOLVED, that Kern COG finds that the 2015 FTIP Amendment #12, 2014 RTP, and conformity analysis are in conformity with the requirements of the Federal Clean Air Act Amendments and applicable State Implementation Plans for air quality.

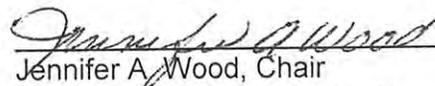
AUTHORIZED AND SIGNED THIS 15<sup>th</sup> DAY OF OCTOBER 2015.

AYES: Gurrola, B. Smith, Wood, Pascual, Wilke, McFarland, P. Smith, Couch, Perez, Miller, Parra

NOES: None

ABSTAIN: None

ABSENT: Breeden, Prout, Krier, Wegman

  
Jennifer A. Wood, Chair  
Kern Council of Governments

ATTEST:

I hereby certify that the foregoing is a true copy of a resolution of the Kern Council of Governments duly adopted at a regular meeting thereof held on the 15<sup>th</sup> day of October 2015.

  
Ahron Hakimi, Executive Director  
Kern Council of Governments

OCT 13 2015  
Date:

**ATTACHMENT 1**

**Caltrans Summary of Changes  
“CTIPS” Printout - Revised Records  
Updated Financial Plan**

## Caltrans Summary of Changes

Amendment Type:  
Amendment #:

Formal

12

| Existing or New Project | MPO FTIP/RTP ID | PROJECT TITLE  | FFY of Current Programming | FFY to be Programmed | Phase | Fund Source | % Cost Increase/Decrease | DESCRIPTION OF CHANGE               |
|-------------------------|-----------------|--|----------------------------|----------------------|-------|-------------|--------------------------|-------------------------------------|
| Existing                | KER120106       | IN AND NEAR LOST HILLS: SR 46 FROM LOST HILLS RD TO 0.9 MILE EAST OF I-5; WIDEN FROM TWO TO FOUR LANES (SEGMENT 4A) (toll credit applies to PE & RW) | FFY 15/16                  | FFY 16/17            | PE    | IIP         | N/A                      | Move \$400,000                      |
|                         |                 |  | FFY 15/16                  | FFY 16/17            | CON   | RIP         | N/A                      | Move \$4,100,000                    |
|                         |                 |  | FFY 15/16                  | FFY 15/16            | CON   | HPP         | N/A                      | Move \$4,492,000 from CON to RW     |
|                         |                 |  | FFY 15/16                  | FFY 16/17            | CON   | HPP         | 32%                      | Move \$12,258,000; Add \$10,104,000 |
|                         |                 |  | N/A                        | FFY 15/16            | RW    | TCRP        | 1%                       | Add \$138,000                       |
|                         |                 |  | N/A                        | FFY 16/17            | CON   | TCRP        | 5%                       | Add \$1,491,000                     |

### LEGEND

HPP High Priority Program  
 IIP Interregional Improvement Program  
 RIP Regional Improvement Program  
 TCRP Transportation Congestion Relief Program

**ATTACHMENT A - REVISED RECORDS**

**Kern Council of Governments: Amendment No. 12 to the 2015 Federal Transportation Improvement Program**

**PROGRAM: State Highway / Regional Choice Program**

| Route<br>Postmile<br>PIN<br>Ste/Fed ID<br>Fund<br>AQ<br>Lead | Description<br><br>Total Escalated Cost<br>Status  | Phase                        | Program Schedule<br><br>(construction costs escalated per Caltrans percentages) |                   |             |                           |       |       | Funding Summary |       |         |  |                                     |              |
|--|--|------------------------------|---|-------------------|-------------|---------------------------|-------|-------|-----------------|-------|---------|--|-------------------------------------|--------------|
|  |  |                              | Prior Years   | Four Year Element |             |                           |       |       | Local           | State | Federal |  |                                     |              |
|  |  |                              |   | 14-15             | 15-16       | 16-17                     | 17-18 | 18-19 |                 |       |         | 19-20  |                                     |              |
| 046<br>30.5/33.5<br>KER120106<br>06-44254<br>IP/HPP<br>State | IN AND NEAR LOST HILLS: SR 46<br>FROM LOST HILLS RD TO 0.9 MILE<br>EAST OF I-5; WIDEN FROM TWO TO<br>FOUR-LANES (SEGMENT 4A)(toll<br>credit applies to PE & RW)<br><br>\$43,013,000<br>10400000338 | PE<br>RW<br>Con<br><br>Total | \$4,030,000<br>\$6,000,000<br><br>\$10,030,000                                  |                   | \$4,630,000 | \$400,000<br>\$27,953,000 |       |       |                 |       |         | RTP Reference: KER14RTP001<br>Prior Yr Status: ---<br>Future Cost Est: ---<br><br>Prior<br>Current | \$10,030,000<br><br><br>\$1,629,000 | \$31,354,000 |

**ATTACHMENT A - PRIOR RECORDS**

**Kern Council of Governments: Amendment No. 12 to the 2015 Federal Transportation Improvement Program**

**PROGRAM: State Highway / Regional Choice Program**

| Route<br>Postmile<br>PIN<br>Ste/Fed ID<br>Fund<br>AQ<br>Lead | Description<br><br>Total Escalated Cost<br>Status  | Phase                        | Program Schedule<br><br>(construction costs escalated per Caltrans percentages) |                   |   |       |       |       | Funding Summary |       |         |   |                                      |
|--|--|------------------------------|---|-------------------|---|-------|-------|-------|-----------------|-------|---------|---|--------------------------------------|
|  |  |                              | Prior Years   | Four Year Element |   |       |       |       | Local           | State | Federal |   |                                      |
|  |  |                              |   | 14-15             | 15-16   | 16-17 | 17-18 | 18-19 |                 |       |         | 19-20   |                                      |
| 046<br>30.5/33.5<br>KER120106<br>06-44254<br>IP/HPP<br>State | IN AND NEAR LOST HILLS: SR 46<br>FROM LOST HILLS RD TO 0.9 MILE<br>EAST OF I-5; WIDEN FROM TWO TO<br>FOUR-LANES (SEGMENT 4A)(toll<br>credit applies to PE & RW)<br><br>\$31,280,000<br>10400000338 | PE<br>RW<br>Con<br><br>Total | \$4,030,000<br>\$6,000,000<br><br>\$10,030,000                                  |                   | \$400,000<br><br>\$20,850,000<br>\$21,250,000 |       |       |       |                 |       |         | RTP Reference: KER08RTP018<br>Prior Yr Status: ---<br>Future Cost Est: \$97,000,000<br><br>Prior<br>Current | \$10,030,000<br><br><br>\$21,250,000 |

TABLE 1: REVENUE

Kern Council of Governments  
 2014/15 - 2017/18 Federal Transportation Improvement Program  
 Amendment No. 12  
 (\$ in 1,000)

| Funding Source               |  | N<br>O<br>T<br>E<br>S | 4 YEAR (FSTIP Cycle) |                  |                  |                  |                  |                  |                  |                    | CURRENT TOTAL |
|------------------------------|--|-----------------------|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------|---------------|
|                              |  |                       | 2014/15              |                  | 2015/16          |                  | 2016/17          |                  | 2017/18          |                    |               |
|                              |  |                       | Amendment            |                  | Amendment        |                  | Amendment        |                  | Amendment        |                    |               |
|                              |  |                       | Prior                | Current          | Prior            | Current          | Prior            | Current          | Prior            | Current            |               |
|                              |  |                       | No. 11               | No. 12           | No. 11           | No. 12           | No. 11           | No. 12           | No. 11           | No. 12             |               |
| LOCAL                        | -- Gas Tax (Subventions to Cities)                               | \$23,863              | \$23,863             | \$8,201          | \$8,201          | \$3,665          | \$3,665          | \$1,525          | \$1,525          | \$37,254           |               |
|                              | -- Street Taxes and Developer Fees                               | \$59,789              | \$59,789             | \$91,619         | \$91,619         | \$1,591          | \$1,591          | \$214,833        | \$214,833        | \$367,832          |               |
|                              | <b>Local Total</b>   | <b>\$83,652</b>       | <b>\$83,652</b>      | <b>\$99,820</b>  | <b>\$99,820</b>  | <b>\$5,256</b>   | <b>\$5,256</b>   | <b>\$216,358</b> | <b>\$216,358</b> | <b>\$405,086</b>   |               |
| STATE                        | SHOPP  | \$69,806              | \$69,806             | \$86,138         | \$86,138         | \$155,112        | \$155,112        | \$35,812         | \$35,812         | \$346,868          |               |
|                              | State Minor Program  | \$2,874               | \$2,874              | \$5,618          | \$5,618          |                  |                  |                  |                  | \$8,492            |               |
|                              | STIP   | \$20,291              | \$20,291             | \$8,049          | \$3,549          | \$39,497         | \$43,997         | \$33,300         | \$33,300         | \$101,137          |               |
|                              | Highway Maintenance (HM)   | \$5,796               | \$5,796              | \$5,430          | \$5,430          |                  |                  |                  |                  | \$11,226           |               |
|                              | Traffic Congestion Relief Program (TCRP)                         |                       |                      |                  |                  |                  | \$138            |                  |                  | \$1,629            |               |
|                              | Active Transportation Program                                    | \$1,388               | \$1,388              | \$6,772          | \$6,772          |                  |                  |                  |                  | \$8,160            |               |
|                              | <b>State Total</b>   | <b>\$100,155</b>      | <b>\$100,155</b>     | <b>\$112,007</b> | <b>\$107,645</b> | <b>\$194,609</b> | <b>\$200,600</b> | <b>\$69,112</b>  | <b>\$69,112</b>  | <b>\$477,512</b>   |               |
| FEDERAL TRANSIT              | 5307 - Urbanized Area Formula Grants                             | \$12,237              | \$12,237             | \$12,568         | \$12,568         | \$7,343          | \$7,343          | \$6,066          | \$6,066          | \$38,214           |               |
|                              | 5310 - Mobility of Seniors and Individuals with Disabilities     | \$1,001               | \$1,001              |                  |                  |                  |                  |                  |                  | \$1,001            |               |
|                              | 5311 - Formula Grants for Rural Areas                            | \$1,470               | \$1,470              |                  |                  |                  |                  |                  |                  | \$1,470            |               |
|                              | 5339 - Bus and Bus Facilities Formula Grants                     |                       |                      | \$140            | \$140            | \$94             | \$94             |                  |                  | \$234              |               |
|                              | <b>Federal Transit Total</b>                                     | <b>\$14,708</b>       | <b>\$14,708</b>      | <b>\$12,708</b>  | <b>\$12,708</b>  | <b>\$7,436</b>   | <b>\$7,436</b>   | <b>\$6,066</b>   | <b>\$6,066</b>   | <b>\$40,919</b>    |               |
| FEDERAL HIGHWAY              | Congestion Mitigation and Air Quality (CMAQ) Improvement Program | \$9,901               | \$9,901              | \$9,901          | \$9,901          | \$9,901          | \$9,901          | \$9,901          | \$9,901          | \$39,605           |               |
|                              | Corridor Infrastructure Improvement Program                      | \$33,961              | \$33,961             | \$67,649         | \$67,649         |                  |                  |                  |                  | \$101,610          |               |
|                              | High Priority Projects (HPP) and Demo                            |                       |                      | \$16,750         | \$4,492          |                  | \$22,362         |                  |                  | \$26,854           |               |
|                              | Highway Bridge Program (HBP)                                     |                       |                      | \$637            | \$637            |                  |                  | \$66             | \$66             | \$704              |               |
|                              | Highway Safety Improvement Program (HSIP)                        | \$592                 | \$592                | \$1,047          | \$1,047          | \$1,753          | \$1,753          |                  |                  | \$3,392            |               |
|                              | Projects of National/Regional Significance                       | \$81,039              | \$81,039             | \$8,708          | \$8,708          | \$6,364          | \$6,364          |                  |                  | \$96,112           |               |
|                              | Recreational Trails  |                       |                      |                  |                  |                  |                  |                  |                  |                    |               |
|                              | Safe Routes to School (SRTS)                                     | \$1,492               | \$1,492              | \$583            | \$583            |                  |                  |                  |                  | \$2,075            |               |
|                              | Surface Transportation Program (RSTP)                            | \$10,365              | \$10,365             | \$10,365         | \$10,365         | \$10,365         | \$10,365         | \$10,365         | \$10,365         | \$41,460           |               |
|                              | Other (see Appendix 5)   | \$377                 | \$377                |                  |                  |                  |                  |                  |                  | \$377              |               |
| <b>Federal Highway Total</b> | <b>\$137,727</b>   | <b>\$137,727</b>      | <b>\$115,641</b>     | <b>\$103,383</b> | <b>\$28,383</b>  | <b>\$50,745</b>  | <b>\$20,333</b>  | <b>\$20,333</b>  | <b>\$312,188</b> |                    |               |
| <b>Federal Total</b>         | <b>\$152,436</b>   | <b>\$152,436</b>      | <b>\$128,349</b>     | <b>\$116,091</b> | <b>\$35,820</b>  | <b>\$58,182</b>  | <b>\$26,399</b>  | <b>\$26,399</b>  | <b>\$353,107</b> |                    |               |
| <b>REVENUE TOTAL</b>         |  | <b>\$336,242</b>      | <b>\$336,242</b>     | <b>\$340,175</b> | <b>\$323,555</b> | <b>\$235,685</b> | <b>\$264,038</b> | <b>\$311,869</b> | <b>\$311,869</b> | <b>\$1,235,704</b> |               |

MPO Financial Summary Notes:

1. STIP includes IIP and other County RIP for projects that are jointly funded by Caltrans, Inyo County, and Mono County.
2. STIP includes STIP-AC for projects previously funded with TE.

This financial plan includes 2015 FTIP Amendment No. 12.

TABLE 1: REVENUE - APPENDICES

LG: 10/1/2014

**Kern Council of Governments**  
 2014/15 - 2017/18 Federal Transportation Improvement Program  
 Amendment No. 12  
 (\$ in 1,000)

Appendix 5 - Federal Highway Other

| Federal Highway Other                                    | 2014/15      |              | 2015/16 |         | 2016/17 |         | 2017/18 |         | CURRENT TOTAL |
|--|--------------|--------------|---------|---------|---------|---------|---------|---------|---------------|
|  | Prior        | Current      | Prior   | Current | Prior   | Current | Prior   | Current |               |
| Transportation & Community & System Preservation Program | \$377        | \$377        |         |         |         |         |         |         | \$377         |
| <b>Federal Highway Other Total</b>                       | <b>\$377</b> | <b>\$377</b> |         |         |         |         |         |         | <b>\$377</b>  |

TABLE 2: PROGRAMMED

**Kern Council of Governments**  
**2014/15 - 2017/18 Federal Transportation Improvement Program**  
**Amendment No. 12**  
 (\$ in 1,000)

| Funding Source   |  | NOTES                 | 4 YEAR (FSTIP Cycle) |           |           |           |           |           |           |           | CURRENT TOTAL |
|------------------|--|-----------------------|----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------------|
|                  |  |                       | 2014/15              |           | 2015/16   |           | 2016/17   |           | 2017/18   |           |               |
|                  |  |                       | Amendment            |           | Amendment |           | Amendment |           | Amendment |           |               |
|                  |  |                       | Prior                | Current   | Prior     | Current   | Prior     | Current   | Prior     | Current   |               |
|                  |  |                       | No. 11               | No. 12    | No. 11    | No. 12    | No. 11    | No. 12    | No. 11    | No. 12    |               |
| LOCAL            | Local Total  |                       | \$83,652             | \$83,652  | \$99,820  | \$99,820  | \$5,256   | \$5,256   | \$216,358 | \$216,358 | \$405,086     |
| STATE            | SHOPP  |                       | \$69,806             | \$69,806  | \$86,138  | \$86,138  | \$155,112 | \$155,112 | \$35,812  | \$35,812  | \$346,868     |
|                  | State Minor Program  |                       | \$2,874              | \$2,874   | \$5,618   | \$5,618   |           |           |           |           | \$8,492       |
|                  | STIP   | 1,2                   | \$20,291             | \$20,291  | \$8,049   | \$3,549   | \$39,497  | \$43,997  | \$33,300  | \$33,300  | \$101,137     |
|                  | Highway Maintenance (HM)   |                       | \$5,796              | \$5,796   | \$5,430   | \$5,430   |           |           |           |           | \$11,226      |
|                  | Traffic Congestion Relief Program (TCRP)                         |                       |                      |           |           | \$138     |           | \$1,491   |           |           | \$1,629       |
|                  | Active Transportation Program                                    |                       | \$1,388              | \$1,388   | \$6,772   | \$6,772   |           |           |           |           | \$8,160       |
|                  | State Total  |                       | \$100,155            | \$100,155 | \$112,007 | \$107,645 | \$194,609 | \$200,600 | \$69,112  | \$69,112  | \$477,512     |
| FEDERAL TRANSIT  | 5307 - Urbanized Area Formula Grants                             |                       | \$12,237             | \$12,237  | \$12,568  | \$12,568  | \$7,343   | \$7,343   | \$6,066   | \$6,066   | \$38,214      |
|                  | 5310 - Mobility of Seniors and Individuals with Disabilities     |                       | \$1,001              | \$1,001   |           |           |           |           |           |           | \$1,001       |
|                  | 5311 - Formula Grants for Rural Areas                            |                       | \$1,470              | \$1,470   |           |           |           |           |           |           | \$1,470       |
|                  | 5339 - Bus and Bus Facilities Formula Grants                     |                       |                      |           | \$140     | \$140     | \$94      | \$94      |           |           | \$234         |
|                  |  | Federal Transit Total |                      | \$14,708  | \$14,708  | \$12,708  | \$12,708  | \$7,436   | \$7,436   | \$6,066   | \$6,066       |
| FEDERAL HIGHWAY  | Congestion Mitigation and Air Quality (CMAQ) Improvement Program |                       | \$9,901              | \$9,901   | \$9,737   | \$9,737   | \$6,186   | \$6,186   |           |           | \$25,825      |
|                  | Corridor Infrastructure Improvement Program                      |                       | \$33,961             | \$33,961  | \$67,649  | \$67,649  |           |           |           |           | \$101,610     |
|                  | High Priority Projects (HPP) and Demo                            |                       |                      |           | \$16,750  | \$4,492   |           | \$22,362  |           |           | \$26,854      |
|                  | Highway Bridge Program (HBP)                                     |                       |                      |           | \$637     | \$637     |           |           | \$66      | \$66      | \$704         |
|                  | Highway Safety Improvement Program (HSIP)                        |                       | \$592                | \$592     | \$1,047   | \$1,047   | \$1,753   | \$1,753   |           |           | \$3,392       |
|                  | Projects of National/Regional Significance                       |                       | \$81,039             | \$81,039  | \$8,708   | \$8,708   | \$6,364   | \$6,364   |           |           | \$96,112      |
|                  | Recreational Trails  |                       |                      |           |           |           |           |           |           |           |               |
|                  | Safe Routes to School (SRTS)                                     |                       | \$1,492              | \$1,492   | \$583     | \$583     |           |           |           |           | \$2,075       |
|                  | Surface Transportation Program (RSTP)                            |                       | \$9,308              | \$9,308   | \$10,365  | \$10,365  |           |           |           |           | \$19,673      |
|                  | Other (see Appendix D)   |                       | \$377                | \$377     |           |           |           |           |           |           | \$377         |
|                  |  | Federal Highway Total |                      | \$136,670 | \$136,670 | \$115,477 | \$103,219 | \$14,303  | \$36,665  | \$66      | \$66          |
|                  | Federal Total  |                       | \$151,378            | \$151,378 | \$128,185 | \$115,927 | \$21,739  | \$44,101  | \$6,133   | \$6,133   | \$317,539     |
| PROGRAMMED TOTAL |  |                       | \$335,185            | \$335,185 | \$340,012 | \$323,392 | \$221,604 | \$249,957 | \$291,603 | \$291,603 | \$1,200,137   |

MPO Financial Summary Notes:

1. STIP includes IIP and other County RIP for projects that are jointly funded by Caltrans, Inyo County, and Mono County.
2. STIP includes STIP-AC for projects previously funded with TE.

**This financial plan includes 2015 FTIP Amendment No. 12.**

TABLE 2: PROGRAMMED - APPENDICES

LG: 10/1/2014

**Kern Council of Governments**  
 2014/15 - 2017/18 Federal Transportation Improvement Program  
 Amendment No. 12  
 (\$ in 1,000)

Appendix D - Federal Highway Other

| Federal Highway Other                                    | 2014/15      |              | 2015/16 |         | 2016/17 |         | 2017/18 |         | CURRENT<br>TOTAL |
|--|--------------|--------------|---------|---------|---------|---------|---------|---------|------------------|
|  | Prior        | Current      | Prior   | Current | Prior   | Current | Prior   | Current |                  |
| Transportation & Community & System Preservation Program | \$377        | \$377        |         |         |         |         |         |         | \$377            |
| <b>Federal Highway Other Total</b>                       | <b>\$377</b> | <b>\$377</b> |         |         |         |         |         |         | <b>\$377</b>     |

TABLE 3: REVENUE-PROGRAMMED

**Kern Council of Governments**  
 2014/15 - 2017/18 Federal Transportation Improvement Program  
 Amendment No. 12  
 (\$ in 1,000)

| Funding Source          |  | 4 YEAR (FSTIP Cycle) |         |           |          |           |          |           |          | CURRENT TOTAL |
|-------------------------|--|----------------------|---------|-----------|----------|-----------|----------|-----------|----------|---------------|
|                         |  | 2014/15              |         | 2015/16   |          | 2016/17   |          | 2017/18   |          |               |
|                         |  | Amendment            |         | Amendment |          | Amendment |          | Amendment |          |               |
|                         |  | Prior                | Current | Prior     | Current  | Prior     | Current  | Prior     | Current  |               |
|                         |  | No. 11               | No. 12  | No. 11    | No. 12   | No. 11    | No. 12   | No. 11    | No. 12   |               |
| LOCAL                   | Local Total  |                      |         |           |          |           |          |           |          |               |
|                         | STATE  |                      |         |           |          |           |          |           |          |               |
|                         | SHOPP  |                      |         |           |          |           |          |           |          |               |
|                         | State Minor Program  |                      |         |           |          |           |          |           |          |               |
|                         | STIP   |                      |         |           |          |           |          |           |          |               |
|                         | Highway Maintenance (HM)   |                      |         |           |          |           |          |           |          |               |
|                         | Traffic Congestion Relief Program (TCRP)                         |                      |         |           |          |           |          |           |          |               |
|                         | Active Transportation Program                                    |                      |         |           |          |           |          |           |          |               |
|                         | State Total  |                      |         |           |          |           |          |           |          |               |
| FEDERAL TRANSIT         | 5307 - Urbanized Area Formula Grants                             |                      |         |           |          |           |          |           |          |               |
|                         | 5310 - Mobility of Seniors and Individuals with Disabilities     |                      |         |           |          |           |          |           |          |               |
|                         | 5311 - Formula Grants for Rural Areas                            |                      |         |           |          |           |          |           |          |               |
|                         | 5339 - Bus and Bus Facilities Formula Grants                     |                      |         |           |          |           |          |           |          |               |
|                         | Federal Transit Total  |                      |         |           |          |           |          |           |          |               |
| FEDERAL HIGHWAY         | Congestion Mitigation and Air Quality (CMAQ) Improvement Program |                      |         | \$164     | \$164    | \$3,715   | \$3,715  | \$9,901   | \$9,901  | \$13,780      |
|                         | Corridor Infrastructure Improvement Program                      |                      |         |           |          |           |          |           |          |               |
|                         | High Priority Projects (HPP) and Demo                            |                      |         |           |          |           |          |           |          |               |
|                         | Highway Bridge Program (HBP)                                     |                      |         |           |          |           |          |           |          |               |
|                         | Highway Safety Improvement Program (HSIP)                        |                      |         |           |          |           |          |           |          |               |
|                         | Projects of National/Regional Significance                       |                      |         |           |          |           |          |           |          |               |
|                         | Recreational Trails  |                      |         |           |          |           |          |           |          |               |
|                         | Safe Routes to School (SRTS)                                     |                      |         |           |          |           |          |           |          |               |
|                         | Surface Transportation Program (RSTP)                            | \$1,057              | \$1,057 |           |          | \$10,365  | \$10,365 | \$10,365  | \$10,365 | \$21,787      |
|                         | Other  |                      |         |           |          |           |          |           |          |               |
| Federal Highway Total   | \$1,057  | \$1,057              | \$164   | \$164     | \$14,080 | \$14,080  | \$20,266 | \$20,266  | \$35,568 |               |
| Federal Total           | \$1,057  | \$1,057              | \$164   | \$164     | \$14,080 | \$14,080  | \$20,266 | \$20,266  | \$35,568 |               |
| REVENUE - PROGRAM TOTAL |  | \$1,057              | \$1,057 | \$164     | \$164    | \$14,080  | \$14,080 | \$20,266  | \$20,266 | \$35,568      |

**ATTACHMENT 2**

**Conformity Analysis**

**2015 CONFORMITY ANALYSIS ADDRESSING THE 2008 OZONE AND  
2012 PM2.5 STANDARDS  
FOR THE 2015 FEDERAL TRANSPORTATION IMPROVEMENT  
PROGRAM AMENDMENT 12 AND THE 2014 REGIONAL  
TRANSPORTATION PLAN**

OCTOBER 15, 2015



Kern Council of Governments  
1401 19th Street, Suite 300  
Bakersfield, California 93301  
[www.kerncog.org](http://www.kerncog.org)  
661-861-2191  
Facsimile 661-324-8215  
TTY 661-832-7433

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## EXECUTIVE SUMMARY

This report presents a 2015 Conformity Analysis for the 2008 Ozone and 2012 PM2.5 Standards. The 2015 Conformity Analysis includes a new analysis year of 2031 for the 2014 RTP and 2015 FTIP Amendment 12 to address the *Implementation Rule* requirements for the 2008 Ozone standard and a new conformity demonstration for the new 2012 PM2.5 standards. The Kern Council of Governments is the designated Metropolitan Planning Organization (MPO) in Kern County, California, and is responsible for regional transportation planning.

EPA designated the San Joaquin Valley nonattainment area for the 2008 Ozone Standard, effective July 20, 2012. Transportation conformity applies one year after the effective date (July 20, 2013). Federal approval for the eight SJV MPO's 2008 Ozone standard conformity demonstrations was received on July 8, 2013. In addition, the Eastern portion of Kern County, the Mohave Desert, was designated nonattainment and classified Marginal with an attainment date of 2014. It is important to note that the 2014 analysis year is not within the timeframe of the plan.

EPA's March 2015 final rule implementing the 2008 Ozone Standard also revoked the 1997 Ozone Standard for transportation conformity purposes. This revocation became effective April 6, 2015. The final rule included criteria and procedures for the 2008 Ozone national ambient air quality standards and shifted the San Joaquin Valley 2008 Ozone Standard attainment date from December 31, 2032 to July 20, 2032; the new attainment year of 2031 must be modeled.

On January 13, 2013, EPA issued a final rule strengthening the primary 1997 Annual PM2.5 standard to 12 micrograms per cubic meter; maintained both the 1997 24-hour PM2.5 Standards and secondary 1997 annual PM2.5 standard; and maintained both the primary and secondary 2006 24-hour PM2.5 standards, effective March 18, 2013. Conformity applies to all standards.

EPA designated the San Joaquin Valley as nonattainment for the 2012 PM2.5 standards on January 15, 2015, effective April 15, 2015. Transportation conformity for the 2012 PM2.5 Standards applies one year after the effective date or on April 15, 2016. The San Joaquin Valley, was classified Moderate with an attainment date of December 31, 2021. The new attainment year of 2021 must be modeled.

In accordance with Section 93.122(g) of the conformity rule, the 2015 Conformity Demonstration for the 2008 Ozone and 2012 PM2.5 Standards relies on the federally approved previous emissions analysis for carbon monoxide, PM-10, and PM2.5 (1997 24-hour & Annual Standards and 2006 24-Hour Standard). The 2014 RTP/2015 FTIP (as amended) and corresponding conformity analysis were last approved by FHWA and FTA on April 28, 2015.

The 2014 RTP/2015 FTIP (as amended) and the corresponding Air Quality Conformity Analysis are incorporated by reference and are available at <http://www.kerncog.org/publications/regional-transportation-aq-conformity>. Additional copies will be provided upon request.

A finding of conformity for the 2014 RTP/2015 FTIP Amendment 12 is therefore supported. The 2015 FTIP Amendment 12 and the 2015 Conformity Demonstration for the 2008 Ozone and 2012 PM2.5 Standards was approved by the Kern Council of Governments on Oct. 15<sup>th</sup>, 2015.

Summarized below are the applicable conformity requirements, conformity tests applied, and the results of the conformity assessment. An overview of the organization of this report is summarized below.

## **2008 OZONE AND 2012 PM2.5 CONFORMITY REQUIREMENTS**

### **Ozone**

EPA's nonattainment area designations for the 2008 ozone standard became effective on July 20, 2012. Conformity for a given pollutant and standard applies one year after the effective date of EPA's initial nonattainment designation. Therefore, conformity for the 2008 ozone standard began to apply on July 20, 2013. The San Joaquin Valley, which consists of eight counties, was designated nonattainment and classified Extreme with an attainment date of July 20, 2032. On March 6, 2015, EPA finalized the implementation rule for 2008 Ozone NAAQS, which shifted the San Joaquin Valley 2008 Ozone Standard attainment date from December 31, 2032 to July 20, 2032. Thus, the new attainment year of 2031 must be modeled.

In addition, the Eastern portion of Kern County, the Mohave Desert, was designated nonattainment and classified Marginal with an attainment date of 2014. It is important to note that the 2014 analysis year is not within the timeframe of this plan.

The San Joaquin Valley has an EPA approved 2007 Ozone Plan (as revised in 2011) that contains sub-area budgets for ROG and NOx. In addition, EPA published a Notice of Adequacy for the 8-hour Ozone early Progress Plans for Eastern Kern County. In accordance with EPA guidance dated July 2012, if a 2008 Ozone area has adequate or approved SIP budgets that address the 1997 standards, it must use the budget test until 2008 Ozone standard budgets are found adequate or approved.

When using the budget test, the attainment year of the 2008 ozone standard must be analyzed (e.g. 2031). In addition, in areas that have budgets for a previous ozone standard, consistency with those budgets must also be determined. The new attainment year of 2031 must be modeled.

### **PM2.5**

EPA's nonattainment area designations for the 2012 PM2.5 standards became effective on April 15, 2015. Conformity for a given pollutant and standard applies one year after the effective date of EPA's initial nonattainment designation or April 15, 2016. The San Joaquin Valley, which consists of eight counties, was designated nonattainment and classified Moderate with an attainment date of December 31, 2021.

The San Joaquin Valley has an approved 2008 PM2.5 (1997 Standard) Plan (as revised in 2011)

that contains sub-area budgets for PM2.5 and NOx. In accordance with Section 93.109(i)(3) of the conformity rule, if a 2012 PM2.5 area has adequate or approved SIP budgets that address the annual 1997 PM2.5 standards, it must use the budget test until new 2012 PM2.5 standard budgets are found adequate or approved. The attainment year of 2021 must be modeled.

When using the budget test, the attainment year of the 2012 annual PM2.5 standard must be analyzed (e.g. 2021). In addition, in areas that have approved or adequate budgets for the 1997 annual PM2.5 standard, consistency with those budgets must also be determined.

On January 13, 2015, EPA released its proposed *Approval of San Joaquin Valley Plan and Supplement for the 2006 PM2.5 Standard and Proposed Reclassification to Serious for the 2006 PM2.5 Standard*. In addition, new transportation conformity budgets for the 2006 primary and secondary 24-hour PM2.5 standards are proposed to be approved. At this time, EPA has not finalized the proposed approval of the Plan (including conformity budgets) and reclassification.

On March 23, 2015, EPA released its *Proposed Rule for Implementing National Ambient Air Quality Standards for Fine Particles*. The implementation rule proposes three options, one of which could revoke the primary 1997 annual PM2.5 standard, while maintaining the secondary 1997 annual PM2.5 standard. At the time of the release of this document, the proposed implementation rule has not been finalized and the standard has not been revoked. Note that a revocation of the 1997 primary annual PM2.5 standard will not remove the obligation to demonstrate conformity for the 1997 24-hour PM2.5 standards.

Since recent EPA actions have not been finalized, the 2015 Conformity Demonstration relies on the federally approved previous emissions analyses for the 1997 Annual PM2.5 and 2006 24-hour PM2.5 Standards.

## **General**

Consultation occurred in July 2015 on the proposed procedures and documentation approach for the 2015 Conformity Analysis addressing the 2008 Ozone and 2012 PM2.5 Standards for the 2014 RTP/2015 FTIP Amendment 12; items included:

1. Latest Planning Assumptions and Transportation Modeling
2. Air Quality Modeling
3. Procedures for Regional Emissions Estimates
4. Transportation Control Measures
5. Conformity Documentation

In addition, on-going interagency consultation is conducted through the San Joaquin Valley Interagency Consultation Group to ensure Valley-wide coordination, communication and compliance with Federal and California Clean Air Act requirements. Each of the eight Valley Metropolitan Planning Organizations (MPOs) and the San Joaquin Valley Unified Air Pollution Control District (Air District) are represented. The Federal Highway Administration (FHWA), Federal Transit Administration (FTA), the U.S. Environmental Protection Agency (EPA), the California Air Resources Board (CARB) and Caltrans are also represented. The final

determination of conformity for the TIP and RTP is the responsibility of FHWA and FTA within U.S. DOT.

FHWA has developed a checklist (included in Appendix A) that contains the required items to complete a conformity determination. As indicated above, the 2015 Conformity Demonstration for the 2008 Ozone and 2012 PM2.5 Standards relies on the federally approved previous emissions analysis for carbon monoxide, PM-10, and PM2.5 (1997 24-hour & Annual Standards and 2006 24-Hour Standards). The checklist contains references to both this document and the federally approved 2014 RTP/2015 FTIP Conformity Analysis (incorporated herein by reference) as appropriate.

## **2008 OZONE AND 2012 PM2.5 CONFORMITY TESTS**

### **Ozone**

EPA has indicated that transportation conformity for the 1997 ozone standard stops applying on April 6, 2015. However, existing adequate or approved budgets are required to be used until budgets for the new 2008 standard are found adequate or approved. The San Joaquin Valley has an EPA approved 2007 Ozone Plan (as revised in 2001) that contains sub-area budgets for ROG and NOx. In addition, EPA published a Notice of Adequacy for the 8-hour Ozone early Progress Plans for Eastern Kern County.

When using the budget test, the attainment year of the 2008 ozone standard must be analyzed (e.g. 2031). In addition, in areas that have budgets for a previous ozone standard, consistency with those budgets must also be determined.

### **PM2.5**

Existing adequate or approved budgets are required to be used until budgets for the new 2012 PM2.5 standard are found adequate or approved. The San Joaquin Valley has an EPA approved 2008 PM2.5 Plan that contains sub-area budgets for PM2.5 and NOx. When using the budget test, the attainment year of the 2012 PM2.5 standard must be analyzed (e.g. 2021). In addition, in areas that have budgets for a previous 1997 PM2.5 standard, consistency with those budgets must also be determined.

## **RESULTS OF THE 2008 OZONE AND 2012 PM2.5 CONFORMITY ANALYSIS**

A regional emissions analysis was conducted to meet the 2008 Ozone and 2012 PM2.5 standards conformity requirements. The analysis was conducted using the latest planning assumptions and emissions models. The major conclusions of the Kern Council of Governments Conformity Analysis are:

- In accordance with the EPA “multi-jurisdictional” guidance separate modeling and conformity documents have been developed by each MPO. The total regional vehicle-related emissions (ROG and NOx) associated with implementation of the 2014 RTP / 2015 FTIP Amendment 12 for the attainment year 2031 analysis year

have been estimated and are less than or no greater than the applicable conformity budget. In addition, the total regional vehicle-related emissions (ROG and NOx) for the other applicable analysis years remain unchanged and are less than or no greater than the applicable conformity budgets. The conformity emissions tests for the 2008 Ozone standard are therefore satisfied.

- In accordance with the EPA “multi-jurisdictional” guidance separate modeling and conformity documents have been developed by each MPO. The total regional vehicle-related emissions (PM2.5 and NOx) associated with implementation of the 2014 RTP / 2015 FTIP Amendment 12 for the attainment year 2021 analysis year have been estimated and are less than or no greater than the applicable conformity budget. In addition, the total regional vehicle-related emissions (PM2.5 and NOx) for the other applicable analysis years remain unchanged and are less than or no greater than the applicable conformity budgets. The conformity emissions tests for the 2012 PM2.5 standard are therefore satisfied.
- For Mojave Desert ozone, the total regional on-road vehicle-related emissions (ROG and NOx) for the applicable analysis years remain unchanged and are less than or no greater than the applicable conformity budgets. The conformity tests for ozone are therefore satisfied.
- In accordance with Section 93.122(g), this conformity demonstration relies on the federally approved previous emissions analysis for carbon monoxide, PM-10, and PM2.5 (1997 24-hour & Annual Standards and 2006 24-Hour Standard). The latest 2014 RTP/2015 FTIP (as amended) Air Quality Conformity Analysis is incorporated by reference and is available at <http://www.kerncog.org/publications/regional-transportation-aq-conformity>. Additional copies will be provided upon request.
- The TIP/RTP will not impede and will support timely implementation of the TCMs that have been adopted as part of applicable air quality implementation plans.
- Consultation has been conducted in accordance with federal requirements.

## **REPORT ORGANIZATION**

The report is organized into five chapters. Chapter 1 provides an overview of the applicable 2008 Ozone and 2012 PM2.5 standards conformity requirements, including approach to meet requirements and the conformity analysis years. Chapter 2 contains a discussion of the latest planning assumptions and air quality modeling used to estimate regional emissions estimates. Chapter 3 contains the documentation required under the federal transportation conformity rule for transportation control measures. Chapter 4 provides an overview of the interagency consultation conducted by the San Joaquin Valley Metropolitan Planning Organizations. The results of the conformity analysis for the 2014 RTP/2015 FTIP Amendment 12 are provided in Chapter 5.

Consultation documentation and other related information are contained in the appendices. Appendix C includes copies of consultation correspondence. Appendix F includes documentation of the public hearing process. Comments received on the conformity analysis and responses made as part of the public involvement process are included in Appendix G.

## CHAPTER 1 2008 OZONE AND 2012 PM2.5 CONFORMITY REQUIREMENTS

### Ozone

EPA issued “Transportation Conformity Guidance for 2008 Ozone Nonattainment Areas” in July 2012. EPA restructured the transportation conformity rule (March 14, 2012) so that existing conformity requirements will apply for any new or revised National Ambient Air Quality Standard (NAAQS). The conformity rule, therefore, applies directly to the 2008 ozone NAAQS.

EPA’s nonattainment area designations for the 2008 ozone NAAQS became effective on July 20, 2012. Conformity for a given pollutant and standard applies one year after the effective date of EPA’s initial nonattainment designation. Therefore, conformity for the 2008 ozone standard will begin to apply on July 20, 2013 for the San Joaquin Valley. Federal approval for the eight SJV MPO’s 2008 Ozone standard conformity demonstrations was received on July 8, 2013.

EPA’s March 2015 final rule implementing the 2008 Ozone Standard also revoked the 1997 Ozone Standard for transportation conformity purposes. This revocation became effective April 6, 2015. The final rule also shifted the San Joaquin Valley 2008 Ozone Standard attainment date from December 31, 2032 to July 20, 2032; the new attainment year of 2031 must be modeled.

### PM2.5

On January 13, 2013, EPA issued a final rule strengthening the primary 1997 Annual PM2.5 standard to 12 micrograms per cubic meter; maintained the 1997 24-hour PM Standards and secondary 1997 annual PM2.5 standard; and maintained the primary and secondary 2006 24-hour PM2.5 standards, effective March 18, 2013. Conformity applies to all standards. EPA’s nonattainment area designations for the 2012 PM2.5 standard became effective on April 15, 2015. Conformity for a given pollutant and standard applies one year after the effective date of EPA’s initial nonattainment designation. Therefore, conformity for the 2012 PM2.5 standard will apply on April 15, 2016. The San Joaquin Valley, which consists of eight counties, was designated nonattainment and classified Moderate with an attainment date of December 31, 2021. It is important to note that the 2012 annual PM2.5 nonattainment area boundary for the San Joaquin Valley is exactly the same as the nonattainment area boundary for the 1997 and 2006 standards.

The San Joaquin Valley has an approved 2008 PM2.5 (1997 Standard) Plan (as revised in 2011) that contains sub-area budgets for PM2.5 and NOx. In accordance with Section 93.109(i)(3) of the federal transportation conformity rule, if a 2012 PM2.5 area has adequate or approved SIP budgets that address the annual 1997 standards, it must use the budget test until new 2012 PM2.5 standard budgets are found adequate or approved. The attainment year of 2021 will be modeled

On January 13, 2015, EPA released its proposed *Approval of San Joaquin Valley Plan and Supplement for the 2006 PM2.5 Standard and Proposed Reclassification to Serious for the 2006 PM2.5 Standard*. In addition, new transportation conformity budgets for the 2006 primary and secondary 24-hour PM2.5 standards are proposed to be approved. At this time, EPA has not finalized the proposed approval of the Plan (including conformity budgets) and reclassification.

The San Joaquin Valley has an approved 2008 PM2.5 (1997 Standard) Plan (as revised in 2011) that contains sub-area budgets for PM2.5 and NOx. In accordance with the EPA Interim Transportation Conformity Guidance for 2006 PM2.5 NAAQS Nonattainment areas, if a 2006 PM2.5 area has adequate or approved SIP budgets that address the 1997 standards, it must use the budget test until new 2006 PM2.5 standard budgets are found adequate or approved.

On March 23, 2015, EPA released its *Proposed Rule for Implementing National Ambient Air Quality Standards for Fine Particles*. The implementation rule proposes three options, one of which could revoke the primary 1997 annual PM2.5 standard, while maintaining the secondary 1997 annual PM2.5 standard. The proposed implementation rule has not been finalized and it is not clear if the standard will be revoked. Note that a revocation of the 1997 primary annual PM2.5 standard will not remove the obligation to demonstrate conformity for the 1997 24-hour PM2.5 standards. The San Joaquin Valley has an approved 2008 PM2.5 (1997 Standard) Plan (as revised in 2011) addressing both versions of the 1997 PM2.5 standards that contains sub-area budgets for PM2.5 and NOx. The applicable conformity test is the emissions budget test. The conformity budgets from Table 5 of the November 9, 2011 Federal Register will be used to demonstrate conformity to both 1997 annual and 24-hour PM2.5 standards.

## **General**

The latest Conformity Analysis for the 2015 FTIP (as amended) and 2014 RTP was federally approved on April 28, 2015. The 2015 Conformity Analysis addresses the new attainment year of 2031 for the 2008 Ozone NAAQS. In addition, this 2015 Conformity Analysis includes a conformity demonstration for the new 2012 PM2.5 standards.

In accordance with the conformity rule, the interagency consultation process is being used for conducting regional emissions analyses and demonstrating conformity for the 2008 Ozone and 2012 PM2.5 standards. Transportation network development and conformity analysis were completed in August, 2015. Public review of the 2015 Conformity Demonstration for the 2008 Ozone and 2012 PM2.5 Standards addressing new attainment years occurred in August/September, followed by MPO adoption in October, 2015. The 2015 Conformity Demonstration addressing the 2008 Ozone and 2012 PM2.5 Standards for the 2014 RTP/2015 FTIP Amendment 12 was submitted to FHWA in October for approval on or before December 31, 2015.

Presented first is a review of the air quality designation status, conformity test requirements, and analysis years for this 2015 Conformity Analysis for the 2008 Ozone and 2012 PM2.5 Standards.

## **A. 2008 OZONE AND 2012 PM2.5 STANDARDS AIR QUALITY DESIGNATIONS APPLICABLE TO THE SAN JOAQUIN VALLEY**

The conformity regulation (section 93.102) requires documentation of the applicable pollutants and precursors for which EPA has designated the area nonattainment or maintenance. In addition, the nonattainment or maintenance area and its boundaries should be described.

Kern Council of Governments is located in the federally designated San Joaquin Valley Air Basin. The borders of the basin are defined by mountain and foothill ranges to the east and west. The northern border is consistent with the county line between San Joaquin and Sacramento Counties. The southern border is less defined, but is roughly bounded by the Tehachapi Mountains and, to some extent, the Sierra Nevada range. Conformity for the 2015 FTIP Amendment 12 and 2014 RTP includes analysis of existing and future air quality impacts for each applicable pollutant.

The San Joaquin Valley is currently designated as nonattainment for the 2008 Ozone and 2012 PM2.5 National Ambient Air Quality Standards (NAAQS).

## **B. 2008 OZONE STANDARD AIR QUALITY DESIGNATIONS APPLICABLE TO THE OTHER AREAS OF KERN COUNTY**

In addition to the San Joaquin Valley planning area, Kern County also includes the federally designated Mojave Desert that lies within the Kern County Air Pollution Control District. Conformity for the 2014 RTP/2015 FTIP (as last amended) was federally approved on April 28, 2015 and includes analysis of existing and future air quality impacts for each applicable pollutant for the Mojave Desert region.

## **C. 2008 OZONE AND 2012 PM2.5 STANDARD CONFORMITY TESTS**

### **Ozone**

EPA's final rule implementing the 2008 ozone standard also revoked the 1997 ozone standard for transportation conformity purposes. This revocation is effective April 6, 2015. Areas designated nonattainment for the 2008 ozone standard are required to use any existing adequate or approved SIP motor vehicle emissions budgets for a prior ozone standard until budgets for the 2008 ozone standard are either found adequate or approved. Therefore, when a 2008 ozone nonattainment area has adequate or approved budgets for any ozone standard, the budget test requirements (40 CFR 93.118) must be met.

EPA approved the 2007 Ozone Plan (as revised in 2011) and conformity budgets on March 1, 2012, effective April 30, 2012. The SIP identified both reactive organic gases (ROG) and nitrogen oxides (NOx) subarea budgets in tons per average summer day for each MPO in the nonattainment area. It is important to note that the boundaries for both the 2008 ozone standard and previous ozone standard are identical. Consequently, for this conformity analysis, the SJV MPOs will continue to conduct demonstrations for subarea emissions budgets as established in the 2007 Ozone Plan (as revised in 2011).

The approved conformity budgets from Table 5 of the EPA Federal Register notice are provided in the table below. These budgets will be used for the 2015 Ozone (2008 Standard) Conformity Demonstration.

**Table 1-1:  
Approved Budgets from the 2007 Ozone Plan (as revised in 2011)  
(Summer tons/day)**

| County      | 2011 |      | 2014 |      | 2017 |      | 2020 |      | 2023 |      |
|-------------|------|------|------|------|------|------|------|------|------|------|
|             | ROG  | NOx  |
| Fresno      | 14.3 | 36.2 | 10.7 | 30.0 | 9.3  | 22.6 | 8.3  | 17.7 | 8.0  | 13.5 |
| Kern (SJV)  | 12.7 | 50.3 | 9.7  | 42.7 | 8.7  | 31.7 | 8.2  | 25.1 | 7.9  | 18.6 |
| Kings       | 2.8  | 10.7 | 2.1  | 8.9  | 1.8  | 6.7  | 1.7  | 5.3  | 1.6  | 4.0  |
| Madera      | 3.4  | 9.3  | 2.5  | 7.7  | 2.2  | 5.8  | 2.0  | 4.7  | 1.9  | 3.6  |
| Merced      | 5.1  | 19.9 | 3.7  | 16.7 | 3.2  | 12.4 | 2.9  | 9.9  | 2.8  | 7.4  |
| San Joaquin | 11.1 | 24.6 | 8.4  | 20.5 | 7.2  | 15.6 | 6.4  | 12.4 | 6.3  | 10.0 |
| Stanislaus  | 8.5  | 16.9 | 6.4  | 13.9 | 5.6  | 10.6 | 5.0  | 8.4  | 4.7  | 6.4  |
| Tulare      | 8.8  | 16.0 | 6.7  | 13.2 | 5.8  | 10.1 | 5.3  | 8.1  | 4.9  | 6.2  |

**D. 2008 OZONE CONFORMITY TESTS FOR THE OTHER AREAS OF KERN COUNTY**

Under the existing conformity regulation, regional emissions analyses for ozone areas must address nitrogen oxides (NOx) and volatile organic compounds (VOC) precursors. The motor vehicle emission budgets for ozone are specified in the Early Progress Plans for the California State Implementation Plan in tons per average summer day. EPA published the notice of adequacy determination in the Federal Register on November 25, 2008 (effective December 10, 2008). The 2008 motor vehicle emission budgets for ROG and NOx are provided in the table below.

**Table 1-2: Mojave Desert (Eastern Kern County)  
Ozone Emissions Budgets  
(summer tons / day)**

| County         | ROG | NOx |
|----------------|-----|-----|
| Kern – Eastern | 5   | 18  |

## **PM2.5**

According to Section 93.109(i)(3), areas designated nonattainment for the 2012 PM2.5 standards are required to use existing adequate or approved SIP motor vehicle emissions budgets for a prior annual PM2.5 standard until budgets for the 2012 PM2.5 standards are either found adequate or approved. Therefore, when a 2012 PM2.5 nonattainment area has adequate or approved budgets for a previous annual PM2.5 standard, the budget test requirements (40 CFR 93.118) must be met.

The 2008 PM2.5 (1997 standard) Plan (as revised in 2011) was approved by EPA on November 9, 2011, which contains motor vehicle emission budgets for PM2.5 and NO<sub>x</sub> established based on average annual daily emissions, as well as a trading mechanism. The motor vehicle emissions budget for PM2.5 includes directly emitted PM2.5 motor vehicle emissions from tailpipe, brake wear and tire wear. VOC, SO<sub>x</sub>, ammonia, and dust (from paved roads, unpaved roads, and road construction) were found to be insignificant and not included in the motor vehicle emission budgets for conformity purposes.

On March 27, 2015 EPA proposed reclassification of the San Joaquin Valley to Serious nonattainment of the 1997 PM2.5 standard. The San Joaquin Valley 2015 PM2.5 Plan (1997 standard) was adopted by ARB on May 21, 2015 and subsequently submitted to EPA on June 25, 2015. The Plan requests reclassification of the San Joaquin Valley nonattainment area to Serious, proposes new conformity budgets, and lays out a strategy to attain the 1997 24-hour PM2.5 standards. No final EPA action has been taken on the plan. As a result, the proposed SIP budgets are assumed to be unavailable for use and the 2008 PM2.5 Plan conformity budgets are the only budgets applicable at this time.

For this Conformity Analysis, the SJV will continue to conduct determinations for subarea emission budgets as established in the 2008 PM2.5 implementation plan. The conformity budgets from Table 5 of the November 9, 2011 Federal Register are provided below and will be used to compare emissions resulting from the 2014 RTP and 2015 FTIP Amendment 12.

**Table 1-2:  
On-Road Motor Vehicle PM2.5 Emissions Budgets**  
(tons per average annual day)

| County      | 2012  |      | 2014  |      |
|-------------|-------|------|-------|------|
|             | PM2.5 | NOx  | PM2.5 | NOx  |
| Fresno      | 1.5   | 35.7 | 1.1   | 31.4 |
| Kern (SJV)  | 1.9   | 48.9 | 1.2   | 43.8 |
| Kings       | 0.4   | 10.5 | 0.3   | 9.3  |
| Madera      | 0.4   | 9.2  | 0.3   | 8.1  |
| Merced      | 0.8   | 19.7 | 0.6   | 17.4 |
| San Joaquin | 1.1   | 24.5 | 0.9   | 21.6 |
| Stanislaus  | 0.7   | 16.7 | 0.6   | 14.6 |
| Tulare      | 0.7   | 15.7 | 0.5   | 13.8 |

The CARB technical revisions to the motor vehicle emissions budgets also included a trading mechanism that allows trading from the motor vehicle emissions budget for the PM2.5 precursor NOx to the motor vehicle emissions budget for primary PM2.5 using a 9 to 1 ratio. The trading mechanism allows the agencies responsible for demonstrating transportation conformity in the San Joaquin Valley to supplement the 2014 budget for PM-2.5 with a portion of the 2014 budget for NOx, and use these adjusted motor vehicle emissions budgets for PM-2.5 and NOx to demonstrate transportation conformity with the PM2.5 SIP for analysis years after 2014. As noted above, EPA approved the 2008 PM2.5 Plan (as revised in 2011) on November 9, 2011, which includes continued approval of the trading mechanism.

The trading mechanism will be used only for conformity analyses for analysis years after 2014. To ensure that the trading mechanism does not impact the ability to meet the NOx budget, the NOx emission reductions available to supplement the PM2.5 budget shall only be those remaining after the NOx budget has been met.

**E. 2008 OZONE AND 2012 PM2.5 CONFORMITY ANALYSIS YEARS**

When using the budget test for the 2008 ozone and 2012 PM2.5 standards, the regional emissions analysis is required to be performed for:

- The attainment years for the 2008 ozone and 2012 PM2.5 standards, if they are within the timeframe of the transportation plan and conformity determination,
- The last year of the timeframe of the conformity determination, and
- Intermediate years as necessary, such that analysis years are no more than ten years apart.

In addition, in areas that have budgets for a previous ozone and PM2.5 standards that are established for years in the timeframe of the conformity determination, consistency with those budgets must also be determined.

For the 2008 Ozone Standard, the San Joaquin Valley has been classified as an Extreme nonattainment area with an attainment date of July 20, 2032. The 2032 analysis year will be updated to 2031.

For the 2012 PM2.5 Standard, the San Joaquin Valley has been classified as a Moderate nonattainment area with an attainment date of December 31, 2021. The 2021 analysis year will be modeled.

**Table 1-3:  
San Joaquin Valley 2015 Conformity Analysis Years for the 2008 Ozone and 2012 PM2.5 Standards**

| Pollutant | Budget Years <sup>1</sup> | Attainment/Maintenance Year | Intermediate Years | RTP Horizon Year |
|-----------|---------------------------|-----------------------------|--------------------|------------------|
| Ozone     | 2017/2020/2023            | 2031                        | NA                 | 2040             |
| PM2.5     | NA                        | 2014/2021                   | 2017/2025/2035     | 2040             |

<sup>1</sup> Budget years that are not in the time frame of the transportation plan/conformity analysis are not included as analysis years (e.g., 2014), although they may be used to demonstrate conformity.

<sup>2</sup> Note: 2014 is the attainment year for the 1997 and 2006 PM2.5 standards. 2021 is the attainment year for the 2021 PM2.5 standards.

**F. 2015 OZONE (2008 Standard) CONFORMITY ANALYSIS YEARS FOR THE OTHER AREAS OF KERN COUNTY**

**Table 1-4: Other Portions of Kern County  
Conformity Analysis Years**

| Pollutant     | Budget Years | Attainment/Maintenance Year | Intermediate Years | RTP Horizon Year |
|---------------|--------------|-----------------------------|--------------------|------------------|
| E. Kern Ozone | NA           | <sup>1</sup>                | 2015/2025          | 2040             |

<sup>1</sup> Since the attainment year is currently 2014 for ozone, which is NOT in the time span of the transportation plan, it is not included as an analysis year, although the ozone budget itself will be used to demonstrate conformity.

## **CHAPTER 2 LATEST PLANNING ASSUMPTIONS**

The transportation conformity rule allows conformity determinations to be based on the latest planning assumptions that are available at the time the conformity analysis begins. According to the conformity rule, the time the conformity analysis begins is “the point at which the MPO or other designated agency begins to model the impact of the proposed transportation plan or TIP on travel and/or emissions”.

The 2015 Conformity Demonstration for the 2008 Ozone and 2012 PM2.5 Standards is based on the federally approved 2014 RTP/2015 FTIP Conformity Analysis with updates as appropriate. The interagency consultation process for the 2014 RTP/2015 FTIP and corresponding conformity analysis began in September 2013 and is documented in the current federally approved conformity analysis. Additional interagency consultation was conducted in July 2015 regarding items for the 2015 Conformity Demonstration addressing the 2008 Ozone and 2012 PM2.5 Standards.

In accordance with Section 93.122(g) of the conformity rule, this conformity demonstration relies on the federally approved previous emissions analysis for carbon monoxide, PM-10, and PM2.5 (1997 24-hour & Annual Standards and 2006 24-Hour Standard).

The 2014 RTP/2015 FTIP (as amended) and the latest corresponding conformity analysis was federally approved on April 28, 2015. The previous conformity determinations are incorporated by reference. For this 2015 conformity determination, there are:

- No revisions to the TIP/RTP, including no additions or deletions of regionally significant projects,
- No changes in the design concept and scope of existing regionally significant projects, that require a new regional emissions analysis,
- No revisions that delay or accelerate the completion of regionally significant projects across conformity analysis years, and
- No changes to the time frame of the transportation plan.

In accordance with Section 93.108, the Kern Council of Governments re-affirms that the 2014 RTP and 2015 FTIP Amendment 12 are fiscally constrained with DOT’s metropolitan planning regulations at 23 CFR part 450.

**A. SOCIOECONOMIC DATA**

There have been no official updates to the socioeconomic projections used by the Valley MPO transportation models since the latest 2014 RTP/2015 FTIP Conformity Analysis. In accordance with Section 93.110 of the federal conformity rule, the most recent estimates of population and employment projections that have been officially approved by the Metropolitan Planning Organization will be used.

**B. TRANSPORTATION MODELING**

There have been no official updates to the Valley MPO transportation models since the latest 2014 RTP/2015 FTIP Conformity Analysis. The same traffic modeling and networks will be utilized for the 2015 Conformity Demonstration, except for the updated attainment year 2031 which addresses the 2008 Ozone Implementation Rule requirements and the new 2021 attainment year for the 2012 PM2.5 Standards. Travel data for the 2021 and 2031 attainment years have been developed consistent with the federally approved 2014 RTP/2015 FTIP (as last amended).

**C. TRAFFIC ESTIMATES**

A summary of the population, employment, and travel characteristics for the Kern Council of Governments transportation modeling area for each scenario in the 2015 Conformity Analysis is presented in Table 2-1. Note that the only updates from the federally approved 2014 RTP/ 2015 FTIP Conformity Analysis are the new attainment year 2021 for the 2012 PM2.5 Standards and the revised attainment year 2031 for the 2008 Ozone Standard. Note 2014 is not in the timeframe of the conformity analysis and therefore is not included in the analysis.

**Table 2-1  
Traffic Network Comparison for Horizon Years Evaluated in  
2015 Conformity Analysis for the 2008 Ozone and 2012 PM2.5 Standards**

| <b>Horizon Year</b> | <b>Total Population (thousands)</b> | <b>Employment (thousands)</b> | <b>Average Weekday VMT (millions)</b> | <b>Total Lane Miles</b> |
|---------------------|-------------------------------------|-------------------------------|---------------------------------------|-------------------------|
| <b>2017</b>         | 810.2                               | 282.1                         | 21.4                                  | N/A                     |
| <b>2020</b>         | 855.0                               | 305.9                         | 22.9                                  | 5647                    |
| <b>2021</b>         | 870.4                               | 310.9                         | 23.5                                  | N/A                     |
| <b>2023</b>         | 942.6                               | 321.3                         | 24.3                                  | N/A                     |
| <b>2025</b>         | 980.6                               | 331.7                         | 25.7                                  | 5748                    |
| <b>2031</b>         | 1091.4                              | 362.3                         | 28.1                                  | N/A                     |
| <b>2035</b>         | 1128.7                              | 383.7                         | 30.1                                  | 6886                    |
| <b>2040</b>         | 1199.8                              | 415.6                         | 31.6                                  | 6891                    |

*Note: Detailed results can be found in Appendix D.*

**Table 2-2**

**Traffic Network Comparison for Horizon Years Evaluated in Conformity Analysis  
for Mojave Desert (Eastern Kern)**

| <b>Horizon Year</b> | <b>Total Population (thousands)</b> | <b>Employment (thousands)</b> | <b>Average Weekday VMT (millions)</b> | <b>Total Lane Miles</b> |
|---------------------|-------------------------------------|-------------------------------|---------------------------------------|-------------------------|
| 2017                | 109.5                               | 38.4                          | 3.5                                   | N/A                     |
| 2025                | 131.1                               | 46.4                          | 3.7                                   | N/A                     |
| 2035                | 148.9                               | 54.1                          | 4.2                                   | N/A                     |
| 2040                | 197.7                               | 59.9                          | 4.7                                   | N/A                     |

**D. AIR QUALITY MODELING**

**EMFAC2011**

On March 6, 2013 EPA announced the availability of this latest version of the California EMFAC model for use in SIP development in California. EMFAC 2011 was required for conformity use six months thereafter.

In accordance with Section 93.111 the latest emission estimation model (EMFAC 2011) was used in the 2015 Conformity Demonstration for the 2008 Ozone and 2012 PM2.5 Standards. The EPA approved methodology for updating the default vehicle activity data was used consistent with the 2014 RTP/2015 FTIP Conformity Analysis.

For the 2015 Conformity Analysis, the methodology consisted of:

- (1) Running EMFAC for the 2031 attainment year for 2008 Ozone using adjusted VMT and speed fraction data.
- (2) Running EMFAC for the 2021 attainment year for 2012 PM2.5 using adjusted VMT and speed fraction data.
- (3) Applying ARB’s Heavy-Duty Diesel Vehicle VMT Recession Adjustment Methodology to EMFAC default vehicle class distributions.
- (4) Estimating ROG and NOx total exhaust emissions for all vehicles for an average summer day for the new analysis year 2031 addressing 2008 Ozone Standard.
- (5) Estimating PM2.5 and NOx total exhaust emissions for all vehicles for an average annual day for the analysis year 2021 addressing 2012 Annual PM2.5 Standards.

- (6) Subtracting control measures estimates for an average summer day contained in the EPA approved 2007 Ozone Plan (as revised in 2011).
- (7) Subtracting control measures estimates for an annual average day contained in the EPA approved 2008 PM2.5 Plan (as revised in 2011) for the 1997 PM2.5 Standard.
- (8) Results rounded to the tenths place; then compared to applicable budgets.

In summary, the regional emissions estimates from the 2014 RTP/2015 FTIP Amendment 12 for the other analysis years (Ozone – 2017, 2020, 2023, and 2040; PM2.5 – 2017, 2025, 2035 and 2040) remain unchanged. Consultation on the general air quality modeling methodology applied in the 2015 Conformity Analysis was the subject of a memorandum distributed on July 15, 2015 for interagency consultation; EPA and FHWA provided concurrence on July 22, 2015.

**E. STATE IMPLEMENTATION PLAN MEASURES**

The air quality modeling procedures and associated spreadsheets contained in Chapter 3 Air Quality Modeling assume emission reductions consistent with the air quality plans for the 2015 Conformity Analysis addressing the 2008 Ozone Standard and 2012 PM2.5 Standards. The emission reductions assumed for these committed measures reflect the latest implementation status of these measures.

**Ozone**

Committed control measures in the EPA approved 2007 Ozone Plan (as revised in 2011) that reduce mobile source emissions are shown in Table 2-2.

**Table 2-2  
2007 Ozone Plan Measures Assumed in the Conformity Analysis**

| Measure Description  | Pollutants               |
|--|--------------------------|
| Existing Local Reductions: Rule 9310 (School Bus Fleets)                 | Summer NOx               |
| Existing State Reductions: Carl Moyer Program & AB 1493 GHG Standards    | Summer ROG<br>Summer NOx |
| New/Proposed Local Reductions: Rule 9410 (Employer Based Trip Reduction) | Summer ROG<br>Summer NOx |
| New/Proposed State Reductions: Smog Check & Reformulated Gasoline (RFG)  | Summer ROG<br>Summer NOx |

NOTE: This table is consistent with the 2007 8-Hour Ozone Plan (as revised in 2011) which was approved by EPA on March 1, 2012 (effective April 30, 2012). In addition, the ARB “Truck Rule” has been included in EMFAC2011.

**PM2.5**

Committed control measures in the 2008 PM2.5 Plan (as revised in 2011) that reduce mobile source emissions and are included in the conformity demonstration are shown in Table 2-3.

**Table 2-3:  
2008 PM2.5 Plan Measures Assumed in the Conformity Analysis**

| <b>Measure Description</b>   | <b>Pollutants</b>          |
|--|----------------------------|
| Existing Local Reductions: Rule 9310 (School Bus Fleets)                 | Annual PM2.5<br>Annual NOx |
| Existing State Reductions: Carl Moyer Program & AB 1493 GHG Standards    | Annual PM2.5<br>Annual NOx |
| New/Proposed Local Reductions: Rule 9410 (Employer Based Trip Reduction) | Annual PM2.5<br>Annual NOx |
| New/Proposed State Reductions: Smog Check                                | Annual PM2.5<br>Annual NOx |

NOTE: This table is consistent with the 2008 PM2.5 Plan (as revised in 2011) as approved by EPA on November 9, 2011 (effective January 9, 2012). In addition, the ARB “Truck Rule” has been included in EMFAC2011.

**F. AIR QUALITY MODELING APPLICABLE TO THE OTHER AREAS OF KERN COUNTY**

For Mojave Desert (Eastern Kern), the model used to estimate emissions for ozone precursors is EMFAC2011 using the methodology described above. In addition, model inputs not dependent on the TIP or RTP are consistent with the applicable SIPs (8-hour Ozone Early Progress Plans for Eastern Kern County).

**G. SUMMARY OF PROCEDURES FOR REGIONAL EMISSIONS ESTIMATES**

As previously noted, the 2015 Conformity Analysis for the 2008 Ozone and 2012 PM2.5 Standards is based on the 2014 RTP/2015 FTIP (as last amended) with various updates as appropriate. Because EMFAC 2011 continues to be used, previous step-by-step air quality modeling procedures have not been updated; rather the worksheets have been updated as noted below.

The 2014 RTP/2015 FTIP conformity procedures were subject to interagency consultation in September 2013. In July 2015, proposed updates to be used for the 2015 Conformity Demonstration for the 2008 Ozone and 2012 PM2.5 Standards were provided for interagency consultation. Concurrence was received from both EPA and FHWA. Updated documentation for the 2015 Conformity Analysis is provided in Appendix D, including:

- Updated 2014 Conformity EMFAC Spreadsheet: new attainment years for the 2008 Ozone and 2012 PM2.5 standards, and
- Updated 2014 Conformity Totals spreadsheet: new demonstration for the 2008 Ozone and 2012 annual PM2.5 standards.

### **CHAPTER 3 TRANSPORTATION CONTROL MEASURES**

The Transportation Conformity Rule (40 CFR 93.113) requires that the TIP/RTP “must provide for the timely implementation of TCMs in the applicable implementation plan.” The 2014 RTP/2015 FTIP Conformity Document (as amended) included a summary of requirements, applicable implementation plans, and findings.

The Project TID table that was prepared at the request of FHWA for the 2004 Conformity Analysis has been updated in each subsequent conformity analysis. In addition, a new 2002 RACM TID Table was prepared in 2006 to address the more general RACM commitments that require additional timely implementation documentation per EPA. As part of the 2015 Conformity Demonstration for the 2008 Ozone and 2012 PM2.5 Standards, the SJV MPOs have updated both the Project TID table and RACM TID tables contained in Appendix E of the federally approved 2014 RTP/2015 FTIP.

The project status has been updated for projects that were to be completed in 2015. In addition, the update confirms that projects identified in the Timely Implementation Documentation table have not been deleted from the TIP. Justification has been provided for any project implementation delays as well as the proposed approach to resolve.

Since there is no “new” RTP development with the 2015 Conformity Demonstration for the 2008 Ozone and 2012 PM2.5 Standards, there will be no update with respect to the inclusion of additional long-range local government control measures.

**Other Portions of Kern:** No TCMs are included in the air quality plans for the Mojave Desert (Eastern Kern) nonattainment area that lies within the jurisdiction of the Kern County APCD.

## **CHAPTER 4 INTERAGENCY CONSULTATION**

The requirements for consultation procedures are listed in section 93.105 of the transportation conformity rule. Consultation is necessary to ensure communication and coordination among air and transportation agencies at the local, state and federal levels on issues that would affect the conformity analysis such as the underlying assumptions and methodologies used to prepare the analysis.

A summary of the interagency consultation and public consultation conducted to comply with these requirements is provided below. Interagency consultation on the 2015 Conformity Analysis addressing 2008 Ozone and 2012 PM2.5 Standards for the 2014 RTP/2015 FTIP Amendment 12 is documented in Appendix C. Appendix F includes the public hearing process documentation. The responses to comments received as part of the public comment process are included in Appendix G.

### **A. INTERAGENCY CONSULTATION**

Consultation is generally conducted through the San Joaquin Valley Interagency Consultation Group (combination of previous Model Coordinating Committee and Programming Coordinating Group). The San Joaquin Valley Interagency Consultation (IAC) Group has been established by the Valley Transportation Planning Agency's Director's Association to provide a coordinated approach to valley transportation planning and programming (Transportation Improvement Program, Regional Transportation Plan, and Amendments), transportation conformity, climate change, and air quality (State Implementation Plan and Rules). The purpose of the group is to ensure Valley wide coordination, communication and compliance with Federal and California Transportation Planning and Clean Air Act requirements. Each of the eight Valley MPOs and the Air District are represented. In addition, the Federal Highway Administration, Federal Transit Administration, the Environmental Protection Agency, the California Air Resources Board and Caltrans (Headquarters, District 6, and District 10) are all represented. The IAC Group meets approximately quarterly.

On July 15, 2015, a memo describing the approach for the 2015 Conformity Demonstration addressing the 2008 Ozone and 2012 PM2.5 standards was distributed to the IAC for review and comment. This memo included as summary of the requirements and documentation on the proposed approach including the following: latest planning assumptions and transportation modeling, air quality modeling, transportation control measures, and conformity documentation. No comments were received; concurrence was received from EPA and FHWA on July 22, 2015.

The boilerplate conformity document was distributed for interagency consultation in August 2015. Comments received have been addressed in the response to comments contained in Appendix G and/or in this document as appropriate.

The Draft 2015 Conformity Analysis for the 2008 Ozone and 2012 PM2.5 was released on August 28, 2015 for a 30-day public comment period, followed by Board adoption on October 15, 2015. Federal approval of the 2015 Conformity Analysis is anticipated in December, 2015.

## **B. PUBLIC CONSULTATION**

In general, agencies making conformity demonstrations shall establish a proactive public involvement process that provides opportunity for public review and comment on a conformity demonstrations for TIPs/RTPs. In addition, all public comments must be addressed in writing.

All MPOs in the San Joaquin Valley have standard public involvement procedures. In general the TIP/RTP and corresponding conformity analysis are the subject of a public notice and 30-day review period prior to adoption. A public hearing is also conducted prior to adoption and all public comments are responded to in writing. The Appendices contain corresponding documentation supporting the public involvement procedures.

## **CHAPTER 5 TIP AND RTP 2008 OZONE AND 2012 PM2.5 STANDARDS CONFORMITY**

The principal requirements of the federal transportation conformity rule for TIP/RTP assessments are: (1) for the 2008 Ozone standard, when emissions budgets are available, the TIP and RTP pass the emissions budget for the new attainment year 2031, (2) for the 2012 PM2.5 standards, when emissions budgets are available, the TIP and RTP pass the emissions budget for the attainment year 2021 (3) the latest planning assumptions and emission models must be employed; (4) the TIP and RTP must provide for the timely implementation of transportation control measures (TCMs) specified in the applicable air quality implementation plans; and (5) consultation. The final determination of conformity for the TIP/RTP is the responsibility of the Federal Highway Administration and the Federal Transit Administration within U.S. DOT.

In accordance with Section 93.122(g), this conformity demonstration relies on the federally approved previous emissions analysis for carbon monoxide, PM-10, and PM2.5 (1997 24-hour & Annual Standards and 2006 24-Hour Standard). The latest 2014 RTP/2015 FTIP Air Quality Conformity Analysis is incorporated by reference and is available at <http://www.kerncog.org/publications/regional-transportation-aq-conformity>. Additional copies will be provided upon request.

In accordance with Section 93.108, Kern Council of Governments re-affirms that the 2014 RTP and 2015 FTIP Amendment 12 are fiscally constrained with DOT's metropolitan planning regulations at 23 CFR part 450.

The previous chapters and the appendices present the documentation for all of the requirements listed above for conformity determinations except for the conformity test results. Prior chapters have also addressed the updated documentation required under the federal transportation conformity rule for the latest planning assumptions and the implementation of transportation control measures specified in the applicable air quality implementation plans.

This chapter presents the results of the 2008 Ozone and 2012 PM2.5 conformity tests, satisfying the remaining requirement of the federal transportation conformity rule. The applicable conformity tests were reviewed in Chapter 1. For each test, the required emissions estimates were developed using the transportation and emission modeling approaches required under the federal transportation conformity rule and summarized in Chapter 2. The results are summarized below, followed by a more detailed discussion of the findings for each pollutant. Table 5-1 presents emissions results for the 2008 Ozone Standard (ROG and NOx) and emissions results for the 2012 PM2.5 Standard (PM2.5 and NOx) demonstrations in tons per average summer or annual day, as applicable for each of the analysis years tested.

For the 2008 Ozone Standard, the applicable conformity test is the emissions budget test, using the 2007 Ozone Plan (as revised in 2011) budgets established for ROG and NOx for an average summer (ozone) season day. EPA approved the Plan and conformity budgets (as revised in 2011) on March 1, 2012, effective April 30, 2012. The modeling results for all analysis years indicate that the on-road vehicle ROG and NOx emissions predicted for each of the "Build" scenarios are less than the emissions budgets. The TIP/RTP therefore satisfy the conformity emissions test for

the 2008 Ozone standard.

For 2012 PM2.5 Standards, the applicable conformity test is the emissions budget test, using the 2008 PM2.5 Plan (1997 standard) budgets established for PM2.5 and NOx for an average annual (PM2.5) day. EPA approved the 2008 PM2.5 Plan (as revised in 2011) November 9, 2011, effective January 9, 2012. The modeling results for all analysis years indicate that the on-road vehicle PM2.5 and NOx emissions predicted for the “Build” scenarios are less than the emissions budget. The TIP/RTP therefore satisfy the conformity emissions test for the 2012 PM2.5 Standards.

In addition to the San Joaquin Valley planning area, Kern County also includes the federally designated Mojave Desert nonattainment area that lies within the Kern County Air Pollution Control District.

For Mojave Desert ozone area, the applicable conformity test is the emissions budget test, using the 8-hour ozone Early Progress Plans for the California State Implementation Plan budgets established for ROG and NOx for an average summer (ozone) season day. EPA published the notice of adequacy determination in the Federal Register on November 25, 2008, effective December 10, 2008. The modeling results for all analysis years indicate that the on-road vehicle ROG and NOx emissions predicted for each of the “Build” scenarios are less than the emissions budgets for 2008. The TIP/RTP therefore satisfy the conformity emissions test for volatile organic compounds and nitrogen oxides.

As all requirements of the Transportation Conformity Rule have been satisfied, a finding of conformity for the 2008 Ozone and 2012 PM2.5 standards is supported for the 2014 RTP/ 2015 FTIP Amendment 12.

**Table 5-1:  
Conformity Results Summary**

**2014 RTP Conformity Results Summary -- KERN**

| Pollutant            | Scenario    | Emissions Total |                | DID YOU PASS? |     |
|----------------------|-------------|-----------------|----------------|---------------|-----|
|                      |             | ROG (tons/day)  | NOx (tons/day) | ROG           | NOx |
| 2008 Ozone Standards | 2017 Budget | 8.7             | 31.7           |               |     |
|                      | 2017        | 6.1             | 27.7           | YES           | YES |
|                      | 2020 Budget | 8.2             | 25.1           |               |     |
|                      | 2020        | 5.6             | 22.5           | YES           | YES |
|                      | 2023 Budget | 7.9             | 18.6           |               |     |
|                      | 2023        | 5.4             | 16.6           | YES           | YES |
|                      | 2031        | 5.2             | 16.9           | YES           | YES |
|                      | 2040        | 5.6             | 18.5           | YES           | YES |
|                      |             |                 |                |               |     |
|                      |             |                 |                |               |     |
| 2012 PM2.5 Standards | 2014 Budget | 1.2             | 43.8           |               |     |
|                      | 2017        | 0.9             | 29.1           | YES           | YES |
|                      | 2014 Budget | 1.2             | 43.8           |               |     |
|                      | 2021        | 0.9             | 20.8           | YES           | YES |
|                      | 2014 Budget | 1.2             | 43.8           |               |     |
|                      | 2025        | 1.0             | 17.7           | YES           | YES |
|                      | 2014 Budget | 1.2             | 43.8           |               |     |
|                      | 2035        | 1.2             | 18.3           | YES           | YES |
|                      | 2014 Budget | 1.3             | 42.9           |               |     |
|                      | 2040        | 1.3             | 19.2           | YES           | YES |

**2014 RTP Conformity Results Summary -- KERN (Mojave Desert)**

| Pollutant            | Scenario    | Emissions Total |                | DID YOU PASS? |     |
|----------------------|-------------|-----------------|----------------|---------------|-----|
|                      |             | ROG (tons/day)  | NOx (tons/day) | ROG           | NOx |
| 2008 Ozone Standards | 2008 Budget | 5               | 18             |               |     |
|                      | 2017        | 1               | 3              | YES           | YES |
|                      | 2025        | 1               | 2              | YES           | YES |
|                      | 2035        | 1               | 1              | YES           | YES |
|                      | 2040        | 1               | 2              | YES           | YES |

## **REFERENCES**

EPA, 2012. Guidance for Transportation Conformity Implementation in Multi-Jurisdictional Nonattainment and Maintenance Areas. U.S. Environmental Protection Agency. EPA-420-B-12-046. July 2012.

EPA, 2015. Implementation of the 2008 National Ambient Air Quality Standards for Ozone: State Implementation Plan Requirements. Final Rule. U.S. Environmental Protection Agency. Vol. 80. No. 44. March 6, 2015.

EPA, 2015. Fine Particulate Matter National Ambient Air Quality Standards: State Implementation Plan Requirements. Proposed Rule. U.S. Environmental Protection Agency. Vol. 80. No. 55. March 23, 2015.

**APPENDIX A**

**CONFORMITY CHECKLIST**

## CONFORMITY ANALYSIS DOCUMENTATION

### FHWA Checklist for MPO TIPs/RTPs

June 27, 2005

| 40 CFR              | Criteria   | Page  | Comments                                |
|---------------------|--|---|---|
| §93.102             | Document the applicable pollutants and precursors for which EPA designates the area as nonattainment or maintenance. Describe the nonattainment or maintenance area and its boundaries.  | Ch. 1   | 2014 RTP/2015 FTIP Ch. 1                |
| §93.104 (b, c)      | Document the date that the MPO officially adopted, accepted or approved the TIP/RTP and made a conformity determination. Include a copy of the MPO resolution. Include the date of the last prior conformity finding.  | E.S.  | 2014 RTP/2015 FTIP E.S.                 |
| §93.104 (e)         | If the conformity determination is being made to meet the timelines included in this section, document when the new motor vehicle emissions budget was approved or found adequate.   | N/A   |   |
| §93.106 (a)(2)ii    | Describe the regionally significant additions or modifications to the existing transportation network that are expected to be open to traffic in each analysis year. Document that the design concept and scope of projects allows adequate model representation to determine intersections with regionally significant facilities, route options, travel times, transit ridership and land use. | N/A<br>App B has been updated to include 2032 | 2014 RTP/2015 FTIP Ch. 2, App. B        |
| §93.108             | Document that the TIP/RTP is financially constrained (23 CFR 450).   | E.S.  | 2014 RTP/2015 FTIP E.S.                 |
| §93.109 (a, b)      | Document that the TIP/RTP complies with any applicable conformity requirements of air quality implementation plans (SIPs) and court orders.  | Ch. 1, 2, 3, 5                                | 2014 RTP/2015 FTIP Ch. 1, 2, 3, 4, 5, 6 |
| §93.109 (c-k)       | Provide either a table or text description that details, for each pollutant and precursor, whether the interim emissions tests and/or the budget test apply for conformity. Indicate which emissions budgets have been found adequate by EPA, and which budgets are currently applicable for what analysis years.  | Ch. 1   | 2014 RTP/2015 FTIP Ch. 1                |
| §93.110 (a, b)      | Document the use of latest planning assumptions (source and year) at the "time the conformity analysis begins," including current and future population, employment, travel and congestion. Document the use of the most recent available vehicle registration data. Document the date upon which the conformity analysis was begun.   | Ch. 2   | 2014 RTP/2015 FTIP Ch. 2                |
| USDOT/EP A guidance | Document the use of planning assumptions less than five years old. If unable, include written justification for the use of older data. (1/18/02)   | Ch. 2   | 2014 RTP/2015 FTIP Ch. 2                |
| §93.110 (c,d,e,f)   | Document any changes in transit operating policies and assumed ridership levels since the previous conformity determination. Document the use of the   | Ch. 2   | 2014 RTP/2015 FTIP Ch. 2                |

| <b>40 CFR</b>        | <b>Criteria</b>   | <b>Page</b>                       | <b>Comments</b>                                      |
|----------------------|---|-----------------------------------|--|
|                      | latest transit fares and road and bridge tolls. Document the use of the latest information on the effectiveness of TCMs and other SIP measures that have been implemented. Document the key assumptions and show that they were agreed to through Interagency and public consultation.  |                                   |  |
| §93.111              | Document the use of the latest emissions model approved by EPA.   | Ch. 2                             | 2014 RTP/2015 FTIP Ch. 3                             |
| §93.112              | Document fulfillment of the interagency and public consultation requirements outlined in a specific implementation plan according to §51.390 or, if a SIP revision has not been completed, according to §93.105 and 23 CFR 450. Include documentation of consultation on conformity tests and methodologies as well as responses to written comments.   | Ch. 4                             | 2014 RTP/2015 FTIP Ch. 5                             |
| §93.113              | Document timely implementation of all TCMs in approved SIPs. Document that implementation is consistent with schedules in the applicable SIP and document whether anything interferes with timely implementation. Document any delayed TCMs in the applicable SIP and describe the measures being taken to overcome obstacles to implementation.  | Ch. 3, App. E                     | 2014 RTP/2015 FTIP Ch. 4, App. E                     |
| §93.114              | Document that the conformity analyses performed for the TIP is consistent with the analysis performed for the Plan, in accordance with 23 CFR 450.324(f)(2).  | Analysis addresses both documents | 2014 RTP/2015 FTIP Analysis addresses both documents |
| §93.118 (a, c, e)j   | <u>For areas with SIP budgets:</u> Document that emissions from the transportation network for each applicable pollutant and precursor, including projects in any associated donut area that are in the Statewide TIP and regionally significant non-Federal projects, are consistent with any adequate or approved motor vehicle emissions budget for all pollutants and precursors in applicable SIPs.                      | Ch. 5                             | 2014 RTP/2015 FTIP Ch. 6                             |
| §93.118 (b)          | Document for which years consistency with motor vehicle emissions budgets must be shown.  | Ch. 1                             | 2014 RTP/2015 FTIP Ch. 1                             |
| §93.118 (d)          | Document the use of the appropriate analysis years in the regional emissions analysis for areas with SIP budgets, and the analysis results for these years. Document any interpolation performed to meet tests for years in which specific analysis is not required.  | Ch. 5                             | 2014 RTP/2015 FTIP Ch. 6                             |
| §93.119 <sup>1</sup> | <u>For areas without applicable SIP budgets:</u> Document that emissions from the transportation network for each applicable pollutant and precursor, including projects in any associated donut area that are in the Statewide TIP and regionally significant non-Federal projects, are consistent with the requirements of the “Action/Baseline”, “Action/1990” and/or “Action/2002” interim emissions tests as applicable. | N/A                               | N/A  |
| §93.119 (g)          | Document the use of the appropriate analysis years in the regional emissions analysis for areas without applicable SIP budgets.   | N/A                               | N/A  |
| §93.119 (h,i)        | Document how the baseline and action scenarios are defined for each analysis year.  | N/A                               | N/A  |
| §93.122 (a)(1)       | Document that all regionally significant federal and non-Federal projects in the nonattainment/maintenance area are explicitly modeled in the regional emissions analysis. For each project, identify by which analysis it will be open to  | Ch. 2, App B                      | 2014 RTP/2015 FTIP Ch. 2, App B                      |

| <b>40 CFR</b>                    | <b>Criteria</b>  | <b>Page</b> | <b>Comments</b>          |
|----------------------------------|--|-------------|--------------------------|
|                                  | traffic. Document that VMT for non-regionally significant Federal projects is accounted for in the regional emissions analysis   |             |                          |
| §93.122 (a)(2, 3)                | Document that only emission reduction credits from TCMs on schedule have been included, or that partial credit has been taken for partially implemented TCMs. Document that the regional emissions analysis only includes emissions credit for projects, programs, or activities that require regulatory action if: the regulatory action has been adopted; the project, program, activity or a written commitment is included in the SIP; EPA has approved an opt-in to the program, EPA has promulgated the program, or the Clean Air Act requires the program (indicate applicable date). Discuss the implementation status of these programs and the associated emissions credit for each analysis year. | Ch. 2       | 2014 RTP/2015 FTIP Ch. 2 |
| §93.122 (a)(4,5,6)               | For nonregulatory measures that are not included in the STIP, include written commitments from appropriate agencies. Document that assumptions for measures outside the transportation system (e.g. fuels measures) are the same for baseline and action scenarios. Document that factors such as ambient temperature are consistent with those used in the SIP unless modified through interagency consultation.  | N/A         | N/A                      |
| §93.122 (b)(1)(i) <sup>ii</sup>  | Document that a network-based travel model is in use that is validated against observed counts for a base year no more than 10 years before the date of the conformity determination. Document that the model results have been analyzed for reasonableness and compared to historical trends and explain any significant differences between past trends and forecasts (for per capita vehicle-trips, VMT, trip lengths mode shares, time of day, etc.).  | Ch. 2       | 2014 RTP/2015 FTIP Ch. 2 |
| §93.122 (b)(1)(ii) <sup>2</sup>  | Document the land use, population, employment, and other network-based travel model assumptions.   | Ch. 2       | 2014 RTP/2015 FTIP Ch. 2 |
| §93.122 (b)(1)(iii) <sup>2</sup> | Document how land use development scenarios are consistent with future transportation system alternatives, and the reasonable distribution of employment and residences for each alternative.  | Ch. 2       | 2014 RTP/2015 FTIP Ch. 2 |
| §93.122 (b)(1)(iv) <sup>2</sup>  | Document use of capacity sensitive assignment methodology and emissions estimates based on a methodology that differentiates between peak and off-peak volumes and speeds, and bases speeds on final assigned volumes.   | Ch. 2       | 2014 RTP/2015 FTIP Ch. 2 |
| §93.122 (b)(1)(v) <sup>2</sup>   | Document the use of zone-to-zone travel impedances to distribute trips in reasonable agreement with the travel times estimated from final assigned traffic volumes. Where transit is a significant factor, document that zone-to-zone travel impedances used to distribute trips are used to model mode split.   | Ch. 2       | 2014 RTP/2015 FTIP Ch. 2 |
| §93.122 (b)(1)(vi) <sup>2</sup>  | Document how travel models are reasonably sensitive to changes in time, cost, and other factors affecting travel choices.  | Ch. 2       | 2014 RTP/2015 FTIP Ch. 2 |
| §93.122 (b)(2) <sup>2</sup>      | Document that reasonable methods were used to estimate traffic speeds and delays in a manner sensitive to the estimated volume of travel on each roadway segment represented in the travel model.  | Ch. 2       | 2014 RTP/2015 FTIP Ch. 2 |
| §93.122 (b)(3) <sup>2</sup>      | Document the use of HPMS, or a locally developed count-based program or procedures that have been  | Ch. 2       | 2014 RTP/2015 FTIP Ch. 2 |

| 40 CFR                    | Criteria  | Page               | Comments                        |
|---------------------------|---|--------------------|---------------------------------|
|                           | chosen through the consultation process, to reconcile and calibrate the network-based travel model estimates of VMT.  |                    |                                 |
| §93.122 (d)               | In areas not subject to §93.122(b), document the continued use of modeling techniques or the use of appropriate alternative techniques to estimate vehicle miles traveled   | Ch. 2              | 2014 RTP/2015 FTIP Ch. 2        |
| §93.122 (e, f)            | Document, in areas where a SIP identifies construction-related PM10 or PM2.5 as significant pollutants, the inclusion of PM10 and/or PM2.5 construction emissions in the conformity analysis.   | N/A                | 2014 RTP/2015 FTIP Ch. 3        |
| §93.122 (g)               | If appropriate, document that the conformity determination relies on a previous regional emissions analysis and is consistent with that analysis.   | E.S., Ch. 2, Ch. 5 | N/A                             |
| §93.126, §93.127, §93.128 | Document all projects in the TIP/RTP that are exempt from conformity requirements or exempt from the regional emissions analysis. Indicate the reason for the exemption (Table 2, Table 3, traffic signal synchronization) and that the interagency consultation process found these projects to have no potentially adverse emissions impacts. | Ch. 2, App B       | 2014 RTP/2015 FTIP Ch. 2, App B |

<sup>i</sup> Note that some areas are required to complete both interim emissions tests.

<sup>ii</sup> 40 CFR 93.122(b) refers only to serious, severe and extreme ozone areas and serious CO areas above 200,000 population

Disclaimers

This checklist is intended solely as an informational guideline to be used in reviewing Transportation Plans and Transportation Improvement Programs for adequacy of their conformity documentation. It is in no way intended to replace or supersede the Transportation Conformity regulations of 40 CFR Parts 51 and 93, the Statewide and Metropolitan Planning Regulations of 23 CFR Part 450 or any other EPA, FHWA or FTA guidance pertaining to transportation conformity or statewide and metropolitan planning. This checklist is not intended for use in documenting transportation conformity for individual transportation projects in nonattainment or maintenance areas. 40 CFR Parts 51 and 93 contain additional criteria for project-level conformity determinations. **Document #46711**

**APPENDIX B**

**TRANSPORTATION PROJECT LISTING**



Kern Council of Governments 2015 Conformity Analysis: 2008 Ozone and 2012 PM2.5

| Appendix B - Highway Project Listing on Regionally Significant Route Segments and Year Number of Lanes Modeled |             |           |      |                     |                     |                  |                  |                         |                   |   |    |    |    |    |    |    |    |
|--|-------------|-----------|------|---------------------|---------------------|------------------|------------------|-------------------------|-------------------|---|----|----|----|----|----|----|----|
| SORT KEY   | AGENCY      | AIR BASIN | M 10 | STREET              | BEGIN               | END              | Type of Imprvmt. | RTP PROJECT ID/Other ID | COST (RTP, Other) | Year number of lanes modeled (each direction) |    |    |    |    |    |    |    |
|  |             |           |      |                     |                     |                  |                  |                         |                   | 17  | 20 | 21 | 23 | 25 | 31 | 35 | 40 |
| 44   | Bakersfield | SJV       |      | CALIFORNIA          | N ST                | Q ST             |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 45   | Bakersfield | SJV       |      | CALIFORNIA          | Q ST                | UNION            |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 46   | Bakersfield | SJV       |      | CALIFORNIA          | UNION               | BAKER            |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 47   | Bakersfield | SJV       |      | CALIFORNIA          | BAKER               | KING             |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 48   | Bakersfield | SJV       |      | CALIFORNIA          | KING                | BEALE            |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 49   | Bakersfield | SJV       |      | CALIFORNIA          | BEALE               | HALEY            |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 50   | Bakersfield | SJV       |      | CALIFORNIA          | HALEY               | WASHINGTON       |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 51   | Bakersfield | SJV       |      | CASA LOMA           | UNION               | MADISON          |                  |                         |                   | 1   | 1  | 2  | 2  | 2  | 2  | 2  | 2  |
| 52   | Bakersfield | SJV       |      | CASA LOMA           | MADISON             | COTTONWOOD       |                  |                         |                   | 1   | 1  | 2  | 2  | 2  | 2  | 2  | 2  |
| 53   | Bakersfield | SJV       |      | CASA LOMA           | COTTONWOOD          | WASHINGTON       |                  |                         |                   | 1   | 1  | 2  | 2  | 2  | 2  | 2  | 2  |
| 54   | Bakersfield | SJV       |      | CASA LOMA           | WASHINGTON          | FAIRFAX          |                  |                         |                   | 0   | 0  | 0  | 0  | 0  | 2  | 2  | 2  |
| 55   | Bakersfield | SJV       |      | CHESTER             | 34TH ST             | COLUMBUS         |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 56   | Bakersfield | SJV       |      | CHESTER             | 30TH ST             | 34TH ST          |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 57   | Bakersfield | SJV       |      | CHESTER             | SR178               |                  |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 58   | Bakersfield | SJV       |      | COFFEE              | 7TH STANDARD        | ETCHART          | Add Lanes        | Local                   |                   | 1   | 2  | 2  | 2  | 2  | 3  | 3  | 3  |
| 59   | Bakersfield | SJV       |      | COFFEE              | ETCHART             | SNOW             | Add Lanes        | Local                   |                   | 1   | 2  | 2  | 2  | 2  | 3  | 3  | 3  |
| 60   | Bakersfield | SJV       |      | COFFEE              | NORRIS              | OLIVE            | Add Lanes        | Local                   |                   | 2   | 2  | 2  | 2  | 2  | 3  | 3  | 3  |
| 61   | Bakersfield | SJV       |      | COFFEE              | OLIVE               | HAGEMAN          |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 62   | Bakersfield | SJV       |      | COFFEE              | HAGEMAN             | MEANY            |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 63   | Bakersfield | SJV       |      | COFFEE              | MEANY               | DOWNING          |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 64   | Bakersfield | SJV       |      | COFFEE              | DOWNING             | GRANITE FALLS    |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 65   | Bakersfield | SJV       |      | COFFEE              | GRANITE FALLS       | SR58             |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 66   | Bakersfield | SJV       |      | COFFEE              | SR58                | BRIMHALL         |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 67   | Bakersfield | SJV       |      | COFFEE              | BRIMHALL            | WESTSIDE PARKWAY |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 68   | Bakersfield | SJV       |      | COFFEE              | WESTSIDE PARKWAY    | TRUXTUN          |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 69   | Bakersfield | SJV       |      | COFFEE              | TRUXTUN             | STOCKDALE        |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 70   | Bakersfield | SJV       |      | CENTENNIAL CORRIDOR | SR 58               | WESTSIDE PARKWAY | New Freeway      | KER08RTP020             | \$698,000         | 0   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 71   | Bakersfield | SJV       |      | COTTONWOOD          | SR 58               | PANAMA RD        |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 2  | 2  | 2  |
| 72   | Bakersfield | SJV       |      | FAIRFAX RD          | ALFRED HARRELL HIGH | PALADINO DR      |                  |                         |                   | 1   | 1  | 1  | 1  | 2  | 2  | 2  | 2  |
| 73   | Bakersfield | SJV       |      | FAIRFAX RD          | REDBANK RD          | PANAMA LN        |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 2  | 2  | 2  |
| 74   | Bakersfield | SJV       |      | FAIRVIEW RD         | MONITOR ST          | SOUTH UNION AVE  |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 2  | 2  | 2  |
| 75   | Bakersfield | SJV       |      | GOSFORD             | SR119               | MC KEE           | Add Lanes        | Local                   |                   | 1   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 76   | Bakersfield | SJV       |      | GOSFORD             | MC KEE              | MC CUTCHEN       | Add Lanes        | Local                   |                   | 1   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 77   | Bakersfield | SJV       |      | GOSFORD             | MC CUTCHEN          | PANAMA LN        | Add Lanes        | Local                   |                   | 1   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 78   | Bakersfield | SJV       |      | GOSFORD             | PANAMA LN           | HARRIS           |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 79   | Bakersfield | SJV       |      | GOSFORD             | HARRIS              | PACHECO          |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 80   | Bakersfield | SJV       |      | GOSFORD             | PACHECO             | DISTRICT         |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 81   | Bakersfield | SJV       |      | GOSFORD             | DISTRICT            | WHITE LN         |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 82   | Bakersfield | SJV       |      | GOSFORD             | WHITE LN            | S LAURELGLEN     |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 83   | Bakersfield | SJV       |      | GOSFORD             | S LAURELGLEN        | N LAURELGLEN     |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 84   | Bakersfield | SJV       |      | GOSFORD             | N LAURELGLEN        | MING             |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 85   | Bakersfield | SJV       |      | GOSFORD             | MING                | CAMINO MEDIA     |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 86   | Bakersfield | SJV       |      | GOSFORD             | CAMINO MEDIA        | STOCKDALE        |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |

Kern Council of Governments 2015 Conformity Analysis: 2008 Ozone and 2012 PM2.5

| Appendix B - Highway Project Listing on Regionally Significant Route Segments and Year Number of Lanes Modeled |             |           |      |              |                    |              |                  |                         |                   | Year number of lanes modeled (each direction) |     |    |    |    |    |    |    |
|--|-------------|-----------|------|--------------|--------------------|--------------|------------------|-------------------------|-------------------|---|-----|----|----|----|----|----|----|
| SORT KEY   | AGENCY      | AIR BASIN | M 10 | STREET       | BEGIN              | END          | Type of Imprvmt. | RTP PROJECT ID/Other ID | COST (RTP, Other) | 17  | 20  | 21 | 23 | 25 | 31 | 35 | 40 |
| 87   | Bakersfield | SJV       |      | HAGEMAN      | ALLEN              | OLD FARM     |                  |                         |                   | 2   | 2   | 3  | 3  | 3  | 3  | 3  | 3  |
| 88   | Bakersfield | SJV       |      | HAGEMAN      | OLD FARM           | JEWETTA      |                  |                         |                   | 2   | 2   | 3  | 3  | 3  | 3  | 3  | 3  |
| 89   | Bakersfield | SJV       |      | HAGEMAN      | JEWETTA            | VERDUGO      |                  |                         |                   | 2/1   | 2/1 | 3  | 3  | 3  | 3  | 3  | 3  |
| 90   | Bakersfield | SJV       |      | HAGEMAN      | VERDUGO            | CALLOWAY     |                  |                         |                   | 3   | 3   | 3  | 3  | 3  | 3  | 3  | 3  |
| 91   | Bakersfield | SJV       |      | HAGEMAN      | CALLOWAY           | MAIN PLAZA   |                  |                         |                   | 3   | 3   | 3  | 3  | 3  | 3  | 3  | 3  |
| 92   | Bakersfield | SJV       |      | HAGEMAN      | MAIN PLAZA         | RIVERLAKES   |                  |                         |                   | 3   | 3   | 3  | 3  | 3  | 3  | 3  | 3  |
| 93   | Bakersfield | SJV       |      | HAGEMAN      | RIVERLAKES         | COFFEE       |                  |                         |                   | 3   | 3   | 3  | 3  | 3  | 3  | 3  | 3  |
| 94   | Bakersfield | SJV       |      | HAGEMAN      | COFFEE             | PATTON       |                  |                         |                   | 3   | 3   | 3  | 3  | 3  | 3  | 3  | 3  |
| 95   | Bakersfield | SJV       |      | HAGEMAN      | PATTON             | FRUITVALE    |                  |                         |                   | 3   | 3   | 3  | 3  | 3  | 3  | 3  | 3  |
| 96   | Bakersfield | SJV       |      | HAGEMAN      | FRUITVALE          | MOHAWK       |                  |                         |                   | 3   | 3   | 3  | 3  | 3  | 3  | 3  | 3  |
| 97   | Bakersfield | SJV       |      | HAGEMAN      | MOHAWK             | KNUDSEN DR   |                  |                         |                   | 2   | 2   | 2  | 2  | 2  | 2  | 2  | 3  |
| 98   | Bakersfield | SJV       |      | HAGEMAN      | KNUDSEN DR         | SR 99        | New Ramps        | KER08RTP013             | \$68,900,000      | 0   | 2   | 2  | 2  | 2  | 2  | 3  | 3  |
| 99   | Bakersfield | SJV       |      | HOSKING      | BUENA VISTA        | GOSFORD      |                  |                         |                   | 1   | 1   | 1  | 1  | 2  | 2  | 2  | 2  |
| 100  | Bakersfield | SJV       |      | HOSKING      | GOSFORD            | STINE        |                  |                         |                   | 1   | 1   | 2  | 2  | 2  | 2  | 2  | 2  |
| 101  | Bakersfield | SJV       |      | HOSKING      | STINE              | AKERS RD     |                  |                         |                   | 1   | 2   | 2  | 2  | 2  | 2  | 2  | 2  |
| 102  | Bakersfield | SJV       |      | HOSKING      | AKERS RD           | WIBLE RD     |                  |                         |                   | 2   | 2   | 2  | 2  | 2  | 2  | 2  | 2  |
| 103  | Bakersfield | SJV       |      | HOSKING      | WIBLE RD           | SO. H ST     | Interchange Impr | KER08RTP009             | \$31,000,000      | 2   | 2   | 3  | 3  | 3  | 3  | 3  | 3  |
| 104  | Bakersfield | SJV       |      | HOSKING      | SO. H ST           | UNION        |                  |                         |                   | 1   | 2   | 2  | 2  | 2  | 2  | 2  | 2  |
| 105  | Bakersfield | SJV       |      | JEWETTA AVE  | SNOW               | HAGEMAN      |                  |                         |                   | 2   | 2   | 2  | 2  | 2  | 2  | 2  | 2  |
| 106  | Bakersfield | SJV       |      | JEWETTA AVE  | HAGEMAN            | MEACHAM      |                  |                         |                   | 1   | 2   | 2  | 2  | 2  | 2  | 2  | 2  |
| 107  | Bakersfield | SJV       |      | MANOR        | ROBERTS LN         | UNION        |                  |                         |                   | 2   | 2   | 2  | 2  | 2  | 2  | 2  | 2  |
| 108  | Bakersfield | SJV       |      | MASTERSON ST | ALFRED HARRELL HWY | PALADINO DR  |                  |                         |                   | 0   | 2   | 2  | 2  | 2  | 2  | 2  | 2  |
| 109  | Bakersfield | SJV       |      | MASTERSON ST | PALADINO DR        | SR 178       |                  |                         |                   | 2   | 2   | 2  | 2  | 2  | 2  | 2  | 2  |
| 110  | Bakersfield | SJV       |      | MING AVE     | WEST BELTWAY       | S ALLEN      |                  |                         |                   | 0   | 2   | 2  | 2  | 2  | 2  | 2  | 2  |
| 111  | Bakersfield | SJV       |      | MING AVE     | S ALLEN            | BUENA VISTA  |                  |                         |                   | 2   | 2   | 2  | 2  | 2  | 2  | 2  | 2  |
| 112  | Bakersfield | SJV       |      | MING AVE     | BUENA VISTA        | GRAND LAKES  |                  |                         |                   | 3   | 3   | 3  | 3  | 3  | 3  | 3  | 3  |
| 113  | Bakersfield | SJV       |      | MING AVE     | GRAND LAKES        | OLD RIVER RD |                  |                         |                   | 3   | 3   | 3  | 3  | 3  | 3  | 3  | 3  |
| 114  | Bakersfield | SJV       |      | MING AVE     | OLD RIVER RD       | HAGGIN OAKS  |                  |                         |                   | 3   | 3   | 3  | 3  | 3  | 3  | 3  | 3  |
| 115  | Bakersfield | SJV       |      | MING AVE     | HAGGIN OAKS        | GOSFORD      |                  |                         |                   | 3   | 3   | 3  | 3  | 3  | 3  | 3  | 3  |
| 116  | Bakersfield | SJV       |      | MING AVE     | GOSFORD            | EL PORTAL    |                  |                         |                   | 3   | 3   | 3  | 3  | 3  | 3  | 3  | 3  |
| 117  | Bakersfield | SJV       |      | MING AVE     | EL PORTAL          | ASHE         |                  |                         |                   | 3   | 3   | 3  | 3  | 3  | 3  | 3  | 3  |
| 118  | Bakersfield | SJV       |      | MING AVE     | ASHE               | NEW STINE    |                  |                         |                   | 3   | 3   | 3  | 3  | 3  | 3  | 3  | 3  |
| 119  | Bakersfield | SJV       |      | MING AVE     | NEW STINE          | STINE RD     |                  |                         |                   | 3   | 3   | 3  | 3  | 3  | 3  | 3  | 3  |
| 120  | Bakersfield | SJV       |      | MING AVE     | STINE              | AKERS        |                  |                         |                   | 3   | 3   | 3  | 3  | 3  | 3  | 3  | 3  |
| 121  | Bakersfield | SJV       |      | MING AVE     | AKERS              | REAL         |                  |                         |                   | 3   | 3   | 3  | 3  | 3  | 3  | 3  | 3  |
| 122  | Bakersfield | SJV       |      | MING AVE     | REAL               | WIBLE        |                  |                         |                   | 3   | 3   | 3  | 3  | 3  | 3  | 3  | 3  |
| 123  | Bakersfield | SJV       |      | MING AVE     | WIBLE              | HUGHES LN    |                  |                         |                   | 3   | 3   | 3  | 3  | 3  | 3  | 3  | 3  |
| 124  | Bakersfield | SJV       |      | MING AVE     | HUGHES LN          | H ST         |                  |                         |                   | 2   | 2   | 2  | 2  | 2  | 2  | 2  | 2  |
| 125  | Bakersfield | SJV       |      | MING AVE     | H ST               | CHESTER      |                  |                         |                   | 2   | 2   | 2  | 2  | 2  | 2  | 2  | 2  |
| 126  | Bakersfield | SJV       |      | MING AVE     | CHESTER            | P ST         |                  |                         |                   | 2   | 2   | 2  | 2  | 2  | 2  | 2  | 2  |
| 127  | Bakersfield | SJV       |      | MING AVE     | P ST               | UNION        |                  |                         |                   | 2   | 2   | 2  | 2  | 2  | 2  | 2  | 2  |
| 128  | Bakersfield | SJV       |      | MOHAWK       | HAGEMAN            | DOWNING      |                  |                         |                   | 3   | 3   | 3  | 3  | 3  | 3  | 3  | 3  |
| 129  | Bakersfield | SJV       |      | MOHAWK       | ROSEDALE           | TRUXTUN      | New Arterial     | KER08RTP004             | \$377,000,000     | 3   | 3   | 3  | 3  | 3  | 3  | 3  | 3  |

Kern Council of Governments 2015 Conformity Analysis: 2008 Ozone and 2012 PM2.5

| Appendix B - Highway Project Listing on Regionally Significant Route Segments and Year Number of Lanes Modeled |             |           |      |              |                     |                                   |                  |                         |                   |   |    |    |    |    |    |    |    |
|--|-------------|-----------|------|--------------|---------------------|-----------------------------------|------------------|-------------------------|-------------------|---|----|----|----|----|----|----|----|
| SORT KEY   | AGENCY      | AIR BASIN | M 10 | STREET       | BEGIN               | END                               | Type of Imprvmt. | RTP PROJECT ID/Other ID | COST (RTP, Other) | Year number of lanes modeled (each direction) |    |    |    |    |    |    |    |
|  |             |           |      |              |                     |                                   |                  |                         |                   | 17  | 20 | 21 | 23 | 25 | 31 | 35 | 40 |
| 130  | Bakersfield | SJV       |      | MOHAWK       | SR 58               | SR 58/Rosedale Highway 0.5 mi s/o |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 131  | Bakersfield | SJV       |      | MONTEREY     | UNION               | ALTA VISTA                        |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 132  | Bakersfield | SJV       |      | MONTEREY     | ALTA VISTA          | BAKER                             |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 133  | Bakersfield | SJV       |      | MONTEREY     | BAKER               | BEALE                             |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 134  | Bakersfield | SJV       |      | MONTEREY     | BEALE               | HALEY                             |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 135  | Bakersfield | SJV       |      | MONTEREY     | HALEY               | NILES                             |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 136  | Bakersfield | SJV       |      | MORNING DR   | ALFRED HARRELL HWY  | PALADINO DR                       |                  |                         |                   | 0   | 0  | 0  | 0  | 1  | 1  | 1  | 1  |
| 137  | Bakersfield | SJV       |      | MORNING DR   | PALADINO DR         | SR 178                            |                  |                         |                   | 1   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 138  | Bakersfield | SJV       |      | MORNING DR   | SR 178              | COLLEGE                           |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 139  | Bakersfield | SJV       |      | MT VERNON    | COLUMBUS            | SR178                             |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 140  | Bakersfield | SJV       |      | MT VERNON    | SR58                | BELLE TERRACE                     |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 141  | Bakersfield | SJV       |      | MT VERNON    | BELLE TERRACE       | CASA LOMA DR                      |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 142  | Bakersfield | SJV       |      | MT VERNON    | WHITE LN/MULLER RD  | PANAMA LN                         |                  |                         |                   | 0   | 0  | 0  | 0  | 0  | 0  | 1  | 1  |
| 143  | Bakersfield | SJV       |      | N. CHESTER   | COLUMBUS            | BEARDSLEY                         |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 144  | Bakersfield | SJV       |      | NEW STINE RD | WILSON              | MING                              |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 145  | Bakersfield | SJV       |      | NEW STINE RD | MING                | SUNDALE                           |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 146  | Bakersfield | SJV       |      | NEW STINE RD | SUNDALE             | BELLE TERRACE                     |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 147  | Bakersfield | SJV       |      | NEW STINE RD | BELLE TERRACE       | STOCKDALE                         |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 148  | Bakersfield | SJV       |      | NILES        | UNION               | ALTA VISTA                        |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 149  | Bakersfield | SJV       |      | NILES        | ALTA VISTA          | BAKER                             |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 150  | Bakersfield | SJV       |      | NILES        | BAKER               | BEALE                             |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 151  | Bakersfield | SJV       |      | NILES        | BEALE               | HALEY                             |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 152  | Bakersfield | SJV       |      | NILES        | HALEY               | MONTEREY                          |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 153  | Bakersfield | SJV       |      | OAK ST       | CALIFORNIA AVE      | SR 178 / 24th ST                  |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 3  | 3  | 3  |
| 154  | Bakersfield | SJV       |      | OLD_RIVER    | STOCKDALE           | CAMINO MEDIA                      |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 155  | Bakersfield | SJV       |      | OLD_RIVER    | CAMINO MEDIA        | MING                              |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 156  | Bakersfield | SJV       |      | OLD_RIVER    | MING                | WHITE LN                          |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 157  | Bakersfield | SJV       |      | OLD_RIVER    | WHITE LN            | CAMPUS PARK                       | Add Lanes        | Local                   |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 158  | Bakersfield | SJV       |      | OLD_RIVER    | CAMPUS PARK         | PACHECO                           | Add Lanes        | Local                   |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 159  | Bakersfield | SJV       |      | OLD_RIVER    | PACHECO             | HARRIS                            | Add Lanes        | Local                   |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 160  | Bakersfield | SJV       |      | OLD_RIVER    | HARRIS              | PANAMA LN                         | Add Lanes        | Local                   |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 161  | Bakersfield | SJV       |      | OLD_RIVER    | PANAMA LN           | BERKSHIRE                         | Add Lanes        | Local                   |                   | 1   | 1  | 1  | 1  | 2  | 2  | 2  | 2  |
| 162  | Bakersfield | SJV       |      | OLD_RIVER    | BERKSHIRE           | MCCUTCHEN(HOSKING)                | Add Lanes        | Local                   |                   | 1   | 1  | 1  | 1  | 2  | 2  | 2  | 2  |
| 163  | Bakersfield | SJV       |      | OLD STINE    | MING AVE            | BELLE TERRACE                     |                  |                         |                   | 1   | 1  | 1  | 1  | 2  | 2  | 2  | 2  |
| 164  | Bakersfield | SJV       |      | OLIVE DR     | RUDD RD (WEST BELT) | ALLEN                             |                  |                         |                   | 1   | 1  | 1  | 2  | 2  | 2  | 2  | 2  |
| 165  | Bakersfield | SJV       |      | OLIVE DR     | ALLEN               | JEWETTA                           |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 166  | Bakersfield | SJV       |      | OSWELL       | SR178               | BERNARD                           | Add Lanes        | Local                   |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 167  | Bakersfield | SJV       |      | OSWELL       | BRUNDAGE            | SR58                              |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 168  | Bakersfield | SJV       |      | PALADINO DR  | FAIRFAX             | MORNING DR                        |                  |                         |                   | 0   | 0  | 0  | 2  | 2  | 2  | 2  | 2  |
| 169  | Bakersfield | SJV       |      | PALADINO DR  | MORNING DR          | MASTERSON Street                  |                  |                         |                   | 1   | 1  | 1  | 1  | 2  | 2  | 2  | 2  |
| 170  | Bakersfield | SJV       |      | PALADINO DR  | MASTERSON Street    | ALFRED HARRELL HWY                |                  |                         |                   | 0   | 0  | 0  | 0  | 0  | 1  | 1  | 1  |
| 171  | Bakersfield | SJV       |      | PANAMA_LN    | ALLEN               | BARLOW                            | Add Lanes        | Local                   |                   | 2   | 2  | 2  | 2  | 3  | 3  | 3  | 3  |
| 172  | Bakersfield | SJV       |      | PANAMA_LN    | BARLOW              | BUENA VISTA BLVD                  | Add Lanes        | Local                   |                   | 2   | 2  | 2  | 2  | 3  | 3  | 3  | 3  |

| Appendix B - Highway Project Listing on Regionally Significant Route Segments and Year Number of Lanes Modeled |             |           |      |                |                        |                 |                  |                         |                   | Year number of lanes modeled (each direction) |     |     |     |    |    |    |    |
|--|-------------|-----------|------|----------------|------------------------|-----------------|------------------|-------------------------|-------------------|---|-----|-----|-----|----|----|----|----|
| SORT KEY   | AGENCY      | AIR BASIN | M 10 | STREET         | BEGIN                  | END             | Type of Imprvmt. | RTP PROJECT ID/Other ID | COST (RTP. Other) | 17  | 20  | 21  | 23  | 25 | 31 | 35 | 40 |
| 173  | Bakersfield | SJV       |      | PANAMA_LN      | BUENA VISTA            | MOUNTAIN VISTA  | Add Lanes        | Local                   |                   | 2   | 2   | 2   | 2   | 3  | 3  | 3  | 3  |
| 174  | Bakersfield | SJV       |      | PANAMA_LN      | MOUNTAIN VISTA         | OLD RIVER RD    | Add Lanes        | Local                   |                   | 2   | 2   | 2   | 2   | 3  | 3  | 3  | 3  |
| 175  | Bakersfield | SJV       |      | PANAMA_LN      | OLD RIVER RD           | PROGRESS        | Add Lanes        | Local                   |                   | 2   | 2   | 2   | 2   | 3  | 3  | 3  | 3  |
| 176  | Bakersfield | SJV       |      | PANAMA_LN      | PROGRESS               | GOSFORD_LN      | Add Lanes        | Local                   |                   | 2   | 2   | 2   | 2   | 3  | 3  | 3  | 3  |
| 177  | Bakersfield | SJV       |      | PANAMA_LN      | GOSFORD                | RELIANCE        | Add Lanes        | Local                   |                   | 1/2   | 1/2 | 2   | 2   | 3  | 3  | 3  | 3  |
| 178  | Bakersfield | SJV       |      | PANAMA_LN      | RELIANCE               | ASHE            | Add Lanes        | Local                   |                   | 1/2   | 1/2 | 2   | 2   | 3  | 3  | 3  | 3  |
| 179  | Bakersfield | SJV       |      | PANAMA_LN      | ASHE                   | GOLDEN GATE     | Add Lanes        | Local                   |                   | 3/2   | 3/2 | 3/2 | 3/2 | 3  | 3  | 3  | 3  |
| 180  | Bakersfield | SJV       |      | PANAMA_LN      | GOLDEN GATE            | STINE RD        | Add Lanes        | Local                   |                   | 3/2   | 3/2 | 3/2 | 3/2 | 3  | 3  | 3  | 3  |
| 181  | Bakersfield | SJV       |      | PANAMA_LN      | STINE RD               | AKERS           | Add Lanes        | Local                   |                   | 3   | 3   | 3   | 3   | 3  | 3  | 3  | 3  |
| 182  | Bakersfield | SJV       |      | PANAMA_LN      | AKERS                  | WIBLE           | Add Lanes        | Local                   |                   | 3   | 3   | 3   | 3   | 3  | 3  | 3  | 3  |
| 183  | Bakersfield | SJV       |      | PANAMA_LN      | WIBLE                  | SR99            |                  |                         |                   | 3   | 3   | 3   | 3   | 3  | 3  | 3  | 3  |
| 184  | Bakersfield | SJV       |      | PANAMA_LN      | SR99                   | H ST            |                  |                         |                   | 3   | 3   | 3   | 3   | 3  | 3  | 3  | 3  |
| 185  | Bakersfield | SJV       |      | PANAMA_LN      | H ST                   | MONITOR         | Add Lanes        | Local                   |                   | 2   | 2   | 2   | 2   | 2  | 3  | 3  | 3  |
| 186  | Bakersfield | SJV       |      | PANAMA_LN      | MONITOR                | UNION           | Add Lanes        | Local                   |                   | 2   | 2   | 2   | 2   | 2  | 3  | 3  | 3  |
| 187  | Bakersfield | SJV       |      | PANAMA_LN      | UNION                  | COTTONWOOD      |                  |                         |                   | 1   | 2   | 2   | 2   | 2  | 2  | 2  | 2  |
| 188  | Bakersfield | SJV       |      | PANAMA_LN      | COTTONWOOD             | SR184           |                  |                         |                   | 1   | 1   | 1   | 1   | 1  | 2  | 2  | 2  |
| 189  | Bakersfield | SJV       |      | PANORAMA DR    | 1700 FEET N COLUMBUS   | UNION           |                  |                         |                   | 2   | 2   | 2   | 2   | 2  | 2  | 2  | 2  |
| 190  | Bakersfield | SJV       |      | QUAIL CREEK RD | SNOW                   | 7th STANDARD RD |                  |                         |                   | 0   | 0   | 0   | 0   | 2  | 2  | 2  | 2  |
| 191  | Bakersfield | SJV       |      | REAL RD        | STOCKDALE              | SR58            |                  |                         |                   | 2   | 2   | 2   | 2   | 2  | 2  | 2  | 2  |
| 192  | Bakersfield | SJV       |      | RENFRO RD      | 7th STANDARD RD        | OLIVE DR        |                  |                         |                   | 0   | 0   | 0   | 0   | 0  | 1  | 1  | 1  |
| 193  | Bakersfield | SJV       |      | RENFRO RD      | OLIVE DR               | REINA RD        |                  |                         |                   | 0   | 0   | 0   | 0   | 1  | 1  | 1  | 1  |
| 194  | Bakersfield | SJV       |      | RENFRO RD      | JOHNSON RD             | STOCKDALE HWY   |                  |                         |                   | 1   | 2   | 2   | 2   | 2  | 2  | 2  | 2  |
| 195  | Bakersfield | SJV       |      | SANTA FE WAY   | RUDD RD (West Beltway) | HAGEMAN RD      |                  |                         |                   | 1   | 1   | 1   | 1   | 1  | 2  | 2  | 2  |
| 196  | Bakersfield | SJV       |      | SNOW RD        | JENKINS RD             | ALLEN           |                  |                         |                   | 1   | 1   | 1   | 1   | 1  | 2  | 2  | 2  |
| 197  | Bakersfield | SJV       |      | SNOW RD        | JEWETTA AVE            | CALLOWAY DR     |                  |                         |                   | 2/1   | 2/1 | 2/1 | 2/1 | 2  | 2  | 2  | 2  |
| 198  | Bakersfield | SJV       |      | SNOW RD        | COFFEE RD              | FRUITVALE AVE   |                  |                         |                   | 1   | 1   | 1   | 1   | 2  | 2  | 2  | 2  |
| 199  | Bakersfield | SJV       |      | SO.CHESTER     | UNION                  | PLANZ RD        |                  |                         |                   | 2   | 2   | 2   | 2   | 2  | 2  | 2  | 2  |
| 200  | Bakersfield | SJV       |      | SO.CHESTER     | PLANZ RD               | WILSON          |                  |                         |                   | 2   | 2   | 2   | 2   | 2  | 2  | 2  | 2  |
| 201  | Bakersfield | SJV       |      | SO.CHESTER     | MING                   | BELLE TERRACE   |                  |                         |                   | 2   | 2   | 2   | 2   | 2  | 2  | 2  | 2  |
| 202  | Bakersfield | SJV       |      | SO.CHESTER     | BELLE TERRACE          | SR58            |                  |                         |                   | 2   | 2   | 2   | 2   | 2  | 2  | 2  | 2  |
| 203  | Bakersfield | SJV       |      | SO.CHESTER     | SR58                   | BRUNDAGE        |                  |                         |                   | 2   | 2   | 2   | 2   | 2  | 2  | 2  | 2  |
| 204  | Bakersfield | SJV       |      | SO.CHESTER     | BRUNDAGE               | 4TH ST          |                  |                         |                   | 2   | 2   | 2   | 2   | 2  | 2  | 2  | 2  |
| 205  | Bakersfield | SJV       |      | SO.CHESTER     | 4TH ST                 | CALIFORNIA      |                  |                         |                   | 2   | 2   | 2   | 2   | 2  | 2  | 2  | 2  |
| 206  | Bakersfield | SJV       |      | SO.CHESTER     | CALIFORNIA             | TRUXTUN         |                  |                         |                   | 2   | 2   | 2   | 2   | 2  | 2  | 2  | 2  |
| 207  | Bakersfield | SJV       |      | SO.CHESTER     | TRUXTUN                | 18TH ST         |                  |                         |                   | 2   | 2   | 2   | 2   | 2  | 2  | 2  | 2  |
| 208  | Bakersfield | SJV       |      | SO.CHESTER     | 18TH ST                | 21ST ST         |                  |                         |                   | 2   | 2   | 2   | 2   | 2  | 2  | 2  | 2  |
| 209  | Bakersfield | SJV       |      | SO.CHESTER     | 21ST ST                | SR178           |                  |                         |                   | 2   | 2   | 2   | 2   | 2  | 2  | 2  | 2  |
| 210  | Bakersfield | SJV       |      | SO. H ST       | ARVIN-EDSION CANAL     | HOSKING         |                  |                         |                   | 2   | 2   | 2   | 2   | 2  | 2  | 2  | 2  |
| 211  | Bakersfield | SJV       |      | SO. H ST       | HOSKING                | SR119           |                  |                         |                   | 1   | 1   | 1   | 1   | 1  | 2  | 2  | 2  |
| 212  | Bakersfield | SJV       |      | STINE RD       | WILSON                 | PLANZ RD        |                  |                         |                   | 3   | 3   | 3   | 3   | 3  | 3  | 3  | 3  |
| 213  | Bakersfield | SJV       |      | STINE RD       | PLANZ RD               | WHITE LN        |                  |                         |                   | 3   | 3   | 3   | 3   | 3  | 3  | 3  | 3  |
| 214  | Bakersfield | SJV       |      | STINE RD       | WHITE LN               | DISTRICT        |                  |                         |                   | 3   | 3   | 3   | 3   | 3  | 3  | 3  | 3  |
| 215  | Bakersfield | SJV       |      | STINE RD       | DISTRICT               | PACHECO         |                  |                         |                   | 3   | 3   | 3   | 3   | 3  | 3  | 3  | 3  |

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|--|-------------|-----------|------|-------------|-------------------|-------------------|------------------|-------------------------|-------------------|---|----|----|----|----|----|----|----|
| SORT KEY   | AGENCY      | AIR BASIN | M 10 | STREET      | BEGIN             | END               | Type of Imprvmt. | RTP PROJECT ID/Other ID | COST (RTP, Other) | Year number of lanes modeled (each direction) |    |    |    |    |    |    |    |
|  |             |           |      |             |                   |                   |                  |                         |                   | 17  | 20 | 21 | 23 | 25 | 31 | 35 | 40 |
| 216  | Bakersfield | SJV       |      | STINE RD    | PACHECO           | HARRIS            |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 217  | Bakersfield | SJV       |      | STINE RD    | HARRIS            | PANAMA LN         |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 218  | Bakersfield | SJV       |      | STINE RD    | PANAMA LN         | BERKSHIRE         |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 219  | Bakersfield | SJV       |      | STINE RD    | BERKSHIRE         | HOSKING           |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 220  | Bakersfield | SJV       |      | STINE RD    | HOSKING           | MC KEE            |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 221  | Bakersfield | SJV       |      | STINE RD    | MC KEE            | SR119             |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 222  | Bakersfield | SJV       |      | STOCKDALE   | SR 43             | NORD              |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 2  | 2  | 2  |
| 223  | Bakersfield | SJV       |      | STOCKDALE   | NORD              | WEGIS             | New Freeway      | KER08RTP020             | \$698,000,000     | 2   | 2  | 2  | 2  | 2  | 3  | 3  | 3  |
| 224  | Bakersfield | SJV       |      | STOCKDALE   | WEGIS             | HEATH             | New Freeway      | KER08RTP020             | \$698,000,000     | 2   | 2  | 2  | 2  | 2  | 3  | 3  | 3  |
| 225  | Bakersfield | SJV       |      | STOCKDALE   | HEATH             | CLAUDIA AUTUMN DR | New Freeway      | KER08RTP020             | \$698,000,000     | 1   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 226  | Bakersfield | SJV       |      | STOCKDALE   | CLAUDIA AUTUMN DR | RENFRO            | New Freeway      | KER08RTP020             | \$698,000,000     | 1   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 227  | Bakersfield | SJV       |      | STOCKDALE   | RENFRO            | ALLEN             |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 228  | Bakersfield | SJV       |      | STOCKDALE   | ALLEN             | JEWETTA           |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 229  | Bakersfield | SJV       |      | STOCKDALE   | JEWETTA           | BUENA VISTA BLVD  |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 230  | Bakersfield | SJV       |      | STOCKDALE   | BUENA VISTA       | CALLOWAY          |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 231  | Bakersfield | SJV       |      | STOCKDALE   | CALLOWAY          | COFFEE            |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 232  | Bakersfield | SJV       |      | STOCKDALE   | COFFEE            | ASHE              |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 233  | Bakersfield | SJV       |      | STOCKDALE   | ASHE              | CALIFORNIA        |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 234  | Bakersfield | SJV       |      | STOCKDALE   | CALIFORNIA        | MONTCLAIR         |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 235  | Bakersfield | SJV       |      | STOCKDALE   | MONTCLAIR         | STINE RD          |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 236  | Bakersfield | SJV       |      | STOCKDALE   | STINE             | REAL              |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 237  | Bakersfield | SJV       |      | STOCKDALE   | REAL              | SR99              |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 238  | Bakersfield | SJV       |      | STOCKDALE   | SR99              | OAK               |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 239  | Bakersfield | SJV       |      | TRUXTUN AVE | OAK               | BEECH             | Add Lanes        | Local                   |                   | 2   | 2  | 2  | 2  | 2  | 2  | 3  | 3  |
| 240  | Bakersfield | SJV       |      | TRUXTUN AVE | BEECH             | PINE ST           | Add Lanes        | Local                   |                   | 2   | 2  | 2  | 2  | 2  | 2  | 3  | 3  |
| 241  | Bakersfield | SJV       |      | TRUXTUN AVE | PINE              | B ST              | Add Lanes        | Local                   |                   | 2   | 2  | 2  | 2  | 2  | 2  | 3  | 3  |
| 242  | Bakersfield | SJV       |      | TRUXTUN AVE | B ST              | F ST              | Add Lanes        | Local                   |                   | 2   | 2  | 2  | 2  | 2  | 2  | 3  | 3  |
| 243  | Bakersfield | SJV       |      | TRUXTUN AVE | F ST              | H ST              | Add Lanes        | Local                   |                   | 2   | 2  | 2  | 2  | 2  | 2  | 3  | 3  |
| 244  | Bakersfield | SJV       |      | TRUXTUN AVE | H ST              | CHESTER           |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 245  | Bakersfield | SJV       |      | TRUXTUN AVE | CHESTER           | M ST              |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 246  | Bakersfield | SJV       |      | TRUXTUN AVE | M ST              | N ST              |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 247  | Bakersfield | SJV       |      | TRUXTUN AVE | N ST              | Q ST              |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 248  | Bakersfield | SJV       |      | TRUXTUN AVE | Q ST              | UNION             |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 249  | Bakersfield | SJV       |      | UNION       | MANOR             | COLUMBUS          | Add Lanes        | Local                   |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 250  | Bakersfield | SJV       |      | UNION       | COLUMBUS          | 34TH ST           |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 251  | Bakersfield | SJV       |      | UNION       | 34TH ST           | 30TH ST           |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 252  | Bakersfield | SJV       |      | UNION       | 30TH ST           | NILES             |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 253  | Bakersfield | SJV       |      | UNION       | NILES             | MONTEREY          |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 254  | Bakersfield | SJV       |      | UNION       | MONTEREY          | KENTUCKY          |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 255  | Bakersfield | SJV       |      | UNION       | KENTUCKY          | SR204             |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 256  | Bakersfield | SJV       |      | UNION       | SR204             | 21ST ST           |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 257  | Bakersfield | SJV       |      | UNION       | 21ST ST           | 18TH ST           |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 258  | Bakersfield | SJV       |      | UNION       | 18TH ST           | TRUXTUN           |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |

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| Appendix B - Highway Project Listing on Regionally Significant Route Segments and Year Number of Lanes Modeled |             |           |                           |                |                         |                  |                  |                         |                   | Year number of lanes modeled (each direction) |             |     |       |         |            |     |     |
|--|-------------|-----------|---------------------------|----------------|-------------------------|------------------|------------------|-------------------------|-------------------|---|-------------|-----|-------|---------|------------|-----|-----|
| SORT KEY   | AGENCY      | AIR BASIN | M 10                      | STREET         | BEGIN                   | END              | Type of Imprmnt. | RTP PROJECT ID/Other ID | COST (RTP, Other) | 17  | 20          | 21  | 23    | 25      | 31         | 35  | 40  |
|  |             |           |                           |                |                         |                  |                  |                         |                   | 259   | Bakersfield | SJV | UNION | TRUXTUN | CALIFORNIA |     |     |
| 260  | Bakersfield | SJV       | UNION                     | CALIFORNIA     | 4TH ST                  |                  |                  |                         | 3                 | 3   | 3           | 3   | 3     | 3       | 3          | 3   | 3   |
| 261  | Bakersfield | SJV       | UNION                     | 4TH ST         | BRUNDAGE                |                  |                  |                         | 3                 | 3   | 3           | 3   | 3     | 3       | 3          | 3   | 3   |
| 262  | Bakersfield | SJV       | UNION                     | BRUNDAGE       | SR58                    |                  |                  |                         | 3                 | 3   | 3           | 3   | 3     | 3       | 3          | 3   | 3   |
| 263  | Bakersfield | SJV       | UNION                     | SR58           | BELLE TERRACE           | Add Lanes        | Local            |                         | 3                 | 3   | 3           | 3   | 3     | 3       | 3          | 3   | 3   |
| 264  | Bakersfield | SJV       | UNION                     | MING           | WILSON                  | Add Lanes        | Local            |                         | 2                 | 2   | 2           | 2   | 3     | 3       | 3          | 3   | 3   |
| 265  | Bakersfield | SJV       | UNION                     | WILSON         | PLANZ                   | Add Lanes        | Local            |                         | 2                 | 2   | 2           | 2   | 3     | 3       | 3          | 3   | 3   |
| 266  | Bakersfield | SJV       | UNION                     | PLANZ          | CHESTER                 | Add Lanes        | Local            |                         | 2                 | 2   | 2           | 2   | 3     | 3       | 3          | 3   | 3   |
| 267  | Bakersfield | SJV       | UNION                     | CHESTER        | WHITE LN                | Add Lanes        | Local            |                         | 2                 | 2   | 2           | 2   | 3     | 3       | 3          | 3   | 3   |
| 268  | Bakersfield | SJV       | UNION                     | PACHECO        | FAIRVIEW RD             | Add Lanes        | Local            |                         | 2                 | 2   | 2           | 2   | 2     | 3       | 3          | 3   | 3   |
| 269  | Bakersfield | SJV       | UNION                     | FAIRVIEW RD    | PANAMA LN               | Add Lanes        | Local            |                         | 2                 | 2   | 2           | 2   | 2     | 3       | 3          | 3   | 3   |
| 270  | Bakersfield | SJV       | UNION                     | PANAMA LN      | BERKSHIRE               | Add Lanes        | Local            |                         | 2                 | 2   | 2           | 2   | 2     | 3       | 3          | 3   | 3   |
| 271  | Bakersfield | SJV       | UNION                     | BERKSHIRE      | HOSKING                 | Add Lanes        | Local            |                         | 2                 | 2   | 2           | 2   | 2     | 3       | 3          | 3   | 3   |
| 272  | Bakersfield | SJV       | VINELAND RD               | PALADINO DR    | SR 178                  |                  |                  |                         | 2                 | 2   | 2           | 2   | 2     | 2       | 2          | 2   | 2   |
| 273  | Bakersfield | SJV       | VINELAND RD               | SR 178         | SR 184/Kern Canyon Road |                  |                  |                         | 2                 | 2   | 2           | 2   | 2     | 2       | 2          | 2   | 2   |
| 274  | Bakersfield | SJV       | WHITE LN/Muller Road      | COTTONWOOD RD  | OSWELL                  |                  |                  |                         | 0                 | 0   | 0           | 0   | 0     | 2       | 2          | 2   | 2   |
| 275  | Bakersfield | SJV       | WHITE LN                  | BUENA VISTA    | MOUNTAIN VISTA          |                  |                  |                         | 3                 | 3   | 3           | 3   | 3     | 3       | 3          | 3   | 3   |
| 276  | Bakersfield | SJV       | WHITE LN                  | MOUNTAIN VISTA | OLD RIVER RD            |                  |                  |                         | 3                 | 3   | 3           | 3   | 3     | 3       | 3          | 3   | 3   |
| 277  | Bakersfield | SJV       | WHITE LN                  | OLD RIVER RD   | PARK VIEW               |                  |                  |                         | 3                 | 3   | 3           | 3   | 3     | 3       | 3          | 3   | 3   |
| 278  | Bakersfield | SJV       | WHITE LN                  | PARK VIEW      | PIN OAK PARK            |                  |                  |                         | 3                 | 3   | 3           | 3   | 3     | 3       | 3          | 3   | 3   |
| 279  | Bakersfield | SJV       | WHITE LN                  | PIN OAK PARK   | GOSFORD                 |                  |                  |                         | 3                 | 3   | 3           | 3   | 3     | 3       | 3          | 3   | 3   |
| 280  | Bakersfield | SJV       | WHITE LN                  | GOSFORD        | LILY                    |                  |                  |                         | 3                 | 3   | 3           | 3   | 3     | 3       | 3          | 3   | 3   |
| 281  | Bakersfield | SJV       | WHITE LN                  | LILY           | ASHE                    |                  |                  |                         | 3                 | 3   | 3           | 3   | 3     | 3       | 3          | 3   | 3   |
| 282  | Bakersfield | SJV       | WHITE LN                  | ASHE           | WILSON                  |                  |                  |                         | 3                 | 3   | 3           | 3   | 3     | 3       | 3          | 3   | 3   |
| 283  | Bakersfield | SJV       | WHITE LN                  | WILSON         | CLOVE                   |                  |                  |                         | 3                 | 3   | 3           | 3   | 3     | 3       | 3          | 3   | 3   |
| 284  | Bakersfield | SJV       | WHITE LN                  | CLOVE          | STINE RD                |                  |                  |                         | 3                 | 3   | 3           | 3   | 3     | 3       | 3          | 3   | 3   |
| 285  | Bakersfield | SJV       | WHITE LN                  | STINE RD       | AKERS                   |                  |                  |                         | 3                 | 3   | 3           | 3   | 3     | 3       | 3          | 3   | 3   |
| 286  | Bakersfield | SJV       | WHITE LN                  | AKERS          | WIBLE RD                |                  |                  |                         | 3                 | 3   | 3           | 3   | 3     | 3       | 3          | 3   | 3   |
| 287  | Bakersfield | SJV       | WHITE LN                  | WIBLE RD       | SR99                    |                  |                  |                         | 3                 | 3   | 3           | 3   | 3     | 3       | 3          | 3   | 3   |
| 288  | Bakersfield | SJV       | WHITE LN                  | SR99           | HUGHES LN               |                  |                  |                         | 3                 | 3   | 3           | 3   | 3     | 3       | 3          | 3   | 3   |
| 289  | Bakersfield | SJV       | WHITE LN                  | HUGHES LN      | H ST                    |                  |                  |                         | 3/2               | 3/2   | 3/1         | 3/2 | 3/2   | 3/2     | 3/2        | 3/2 | 3/2 |
| 290  | Bakersfield | SJV       | WHITE LN                  | H ST           | MONITOR                 |                  |                  |                         | 2                 | 2   | 2           | 2   | 2     | 2       | 2          | 2   | 2   |
| 291  | Bakersfield | SJV       | WHITE LN                  | MONITOR        | UNION                   |                  |                  |                         | 2                 | 2   | 2           | 2   | 2     | 2       | 2          | 2   | 2   |
| 292  | Bakersfield | SJV       | WIBLE                     | SR 119         | CURNOW RD               |                  |                  |                         | 1                 | 1   | 1           | 1   | 1     | 2       | 2          | 2   | 2   |
| 293  | Bakersfield | SJV       | WESTSIDE PARKWAY          | HEATH          | WEST BELTWAY            | New Freeway      | KER08RTP016      | \$170,000,000           | 2                 | 2   | 2           | 2   | 2     | 2       | 3          | 3   | 3   |
| 294  | Bakersfield | SJV       | WESTSIDE PARKWAY          | WEST BELTWAY   | ALLEN                   | New Freeway      | KER08RTP016      | \$170,000,000           | 2                 | 2   | 2           | 2   | 2     | 2       | 3          | 3   | 3   |
| 295  | Bakersfield | SJV       | WESTSIDE PARKWAY          | ALLEN          | JEWETTA                 | New Freeway      | KER08RTP020      | \$698,000,000           | 3                 | 3   | 3           | 3   | 3     | 3       | 3          | 3   | 3   |
| 296  | Bakersfield | SJV       | WESTSIDE PARKWAY          | JEWETTA        | CALLOWAY                | New Freeway      | KER08RTP020      | \$698,000,000           | 3                 | 3   | 3           | 3   | 3     | 3       | 3          | 3   | 3   |
| 297  | Bakersfield | SJV       | WESTSIDE PARKWAY          | CALLOWAY       | COFFEE                  | New Freeway      | KER08RTP020      | \$698,000,000           | 3                 | 4/3   | 4/3         | 4/3 | 4/3   | 4/3     | 4/3        | 4/3 | 4/3 |
| 298  | Bakersfield | SJV       | WESTSIDE PARKWAY          | COFFEE         | MOHAWK                  | New Freeway/Arte | KER08RTP020      | \$698,000,000           | 4/3               | 4   | 4           | 4   | 4     | 4       | 4          | 4   | 4   |
| 299  | Bakersfield | SJV       | WESTSIDE PARKWAY(PHASE 4) | MOHAWK         | TRUXTUN                 | New Freeway/Arte | KER08RTP020      | \$698,000,000           | 2                 | 2-4   | var.        | 2-4 | 2-4   | var.    | 2-4        | 2-4 | 2-4 |
| 300  | Bakersfield | SJV       | WEST BELTWAY              | 7TH STANDARD   | SR 58/Rosedale Highway  |                  |                  |                         | 0                 | 0   | 0           | 0   | 0     | 0       | 2          | 2   | 2   |
| 301  | Bakersfield | SJV       | WEST BELTWAY              | SR58           | WESTSIDE PARKWAY        | New Freeway      | KER08RTP016      | \$170,000,000           | 0                 | 0   | 0           | 0   | 0     | 3       | 3          | 3   | 3   |

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|--|-------------|-----------|------|--------------|-------------------|-------------------|------------------|-------------------------|-------------------|---|----|----|----|----|----|----|----|
| SORT KEY   | AGENCY      | AIR BASIN | M 10 | STREET       | BEGIN             | END               | Type of Imprmnt. | RTP PROJECT ID/Other ID | COST (RTP, Other) | 17  | 20 | 21 | 23 | 25 | 31 | 35 | 40 |
| 302  | Bakersfield | SJV       |      | WEST BELTWAY | WESTSIDE PARKWAY  | PACHECO           |                  | KER08RTP016             |                   | 0   | 0  | 0  | 0  | 0  | 0  | 2  | 2  |
| 303  | Bakersfield | SJV       |      | WEST BELTWAY | PACHECO           | PANAMA LN         |                  | KER08RTP097             |                   | 0   | 0  | 0  | 0  | 0  | 0  | 2  | 2  |
| 304  | Bakersfield | SJV       |      | WEST BELTWAY | PANAMA LN         | SR 119            |                  | KER08RTP097             |                   | 0   | 0  | 0  | 0  | 0  | 0  | 2  | 2  |
| 305  | Caltrans    |           |      |              |                   |                   |                  |                         |                   |   |    |    |    |    |    |    |    |
| 306  | Caltrans    | SJV       |      | ELLINGTON    | 11TH AVE          | SR155             |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 307  | Caltrans    | SJV       |      | I-5          | LAVAL             | LAVAL             | Interchange      | KER08RTP002             | \$11,300,000      | x   | x  | x  | x  | x  | x  | x  | x  |
| 308  | Caltrans    | SJV       |      | I-5          | COUNTY LINE       | LAVAL             |                  |                         |                   | 4   | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
| 309  | Caltrans    | SJV       |      | I-5          | LAVAL             | SR09              |                  |                         |                   | 4   | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
| 310  | Caltrans    | SJV       |      | I-5          | SR09              | SR166             |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 311  | Caltrans    | SJV       |      | I-5          | SR166             | OLD RIVER RD      |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 312  | Caltrans    | SJV       |      | I-5          | OLD RIVER RD      | SR223             |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 313  | Caltrans    | SJV       |      | I-5          | SR223             | SR119             |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 314  | Caltrans    | SJV       |      | I-5          | SR119             | SR43              |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 315  | Caltrans    | SJV       |      | I-5          | SR43              | STOCKDALE         |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 316  | Caltrans    | SJV       |      | I-5          | STOCKDALE         | SR58              |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 317  | Caltrans    | SJV       |      | I-5          | SR58              | 7TH STANDARD      |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 318  | Caltrans    | SJV       |      | I-5          | 7TH STANDARD      | ROWLEE            |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 319  | Caltrans    | SJV       |      | I-5          | ROWLEE            | LERDO HWY         |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 320  | Caltrans    | SJV       |      | I-5          | LERDO HWY         | SR46              |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 321  | Caltrans    | SJV       |      | I-5          | SR46              | TWISSELMAN        |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 322  | Caltrans    | SJV       |      | I-5          | TWISSELMAN        | COUNTY LINE       |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 323  | Caltrans    | IWV       |      | SR14         | SR395             | POOLE             |                  |                         |                   |   |    |    |    |    |    |    |    |
| 324  | Caltrans    | IWV       |      | SR14         | POOLE             | INYOKERN          | Add Lanes        | KER08RTP008             | \$42,000,000      |   |    |    |    |    |    |    |    |
| 325  | Caltrans    | IWV       |      | SR14         | INYOKERN          | SR178             | Add Lanes        | KER08RTP006             | \$42,000,000      |   |    |    |    |    |    |    |    |
| 326  | Caltrans    | IWV       |      | SR14         | SR178             | 6 mile s of 178   | Add Lanes        | KER08RTP017             | \$42,000,000      |   |    |    |    |    |    |    |    |
| 327  | Caltrans    | IWV       |      | SR14         | 6 mile s of 178   | REDROCK RANDSBURG | Add Lanes        | KER08RTP024             | \$32,000,000      |   |    |    |    |    |    |    |    |
| 328  | Caltrans    | MD        |      | SR14         | REDROCK RANDSBURG | JAWBONE CANYON    |                  |                         |                   | 2   |    |    |    |    |    | 2  | 2  |
| 329  | Caltrans    | MD        |      | SR14         | JAWBONE CANYON    | CALIFORNIA CITY   |                  |                         |                   | 2   |    |    |    |    |    | 2  | 2  |
| 330  | Caltrans    | MD        |      | SR14         | CALIFORNIA CITY   | SR58BYPASS        |                  |                         |                   | 2   |    |    |    |    |    | 2  | 2  |
| 331  | Caltrans    | MD        |      | SR14         | SR58BYPASS        | DEAVER            |                  |                         |                   | 2   |    |    |    |    |    | 2  | 2  |
| 332  | Caltrans    | MD        |      | SR14         | DEAVER            | SR58              |                  |                         |                   | 2   |    |    |    |    |    | 2  | 2  |
| 333  | Caltrans    | MD        |      | SR14         | ALTUS             | SR58              |                  |                         |                   | 2   |    |    |    |    |    | 2  | 2  |
| 334  | Caltrans    | MD        |      | SR14         | CAMELOT           | ALTUS             |                  |                         |                   | 2   |    |    |    |    |    | 2  | 2  |
| 335  | Caltrans    | MD        |      | SR14         | PURDY             | CAMELOT           |                  |                         |                   | 2   |    |    |    |    |    | 2  | 2  |
| 336  | Caltrans    | MD        |      | SR14         | SILVER QUEEN      | PURDY             |                  |                         |                   | 2   |    |    |    |    |    | 2  | 2  |
| 337  | Caltrans    | MD        |      | SR14         | BACKUS            | SILVER QUEEN      |                  |                         |                   | 2   |    |    |    |    |    | 2  | 2  |
| 338  | Caltrans    | MD        |      | SR14         | DAWN              | BACKUS            |                  |                         |                   | 2   |    |    |    |    |    | 2  | 2  |
| 339  | Caltrans    | MD        |      | SR14         | ROSAMOND          | DAWN              |                  |                         |                   | 2   |    |    |    |    |    | 2  | 2  |
| 340  | Caltrans    | MD        |      | SR14         | A AVE             | ROSAMOND          |                  |                         |                   | 2   |    |    |    |    |    | 2  | 2  |
| 341  | Caltrans    | SJV       |      | SR119        | SR33              | GARDENER FIELD    |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 342  | Caltrans    | SJV       |      | SR119        | GARDENER FIELD    | 2ND ST            |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 343  | Caltrans    | SJV       |      | SR119        | 2ND ST            | ASH               |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 344  | Caltrans    | SJV       |      | SR119        | ASH               | HARRISON          |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |

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| Appendix B - Highway Project Listing on Regionally Significant Route Segments and Year Number of Lanes Modeled |          |           |      |        |                    |                    |                  |                         |                   | Year number of lanes modeled (each direction) |     |     |     |     |     |     |     |
|--|----------|-----------|------|--------|--------------------|--------------------|------------------|-------------------------|-------------------|---|-----|-----|-----|-----|-----|-----|-----|
| SORT KEY   | AGENCY   | AIR BASIN | M 10 | STREET | BEGIN              | END                | Type of Imprvmt. | RTP PROJECT ID/Other ID | COST (RTP, Other) | 17  | 20  | 21  | 23  | 25  | 31  | 35  | 40  |
|  |          |           |      |        |                    |                    |                  |                         |                   |   |     |     |     |     |     |     |     |
| 345  | Caltrans | SJV       |      | SR119  | HARRISON           | MIDWAY             |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   |
| 346  | Caltrans | SJV       |      | SR119  | MIDWAY             | ELK HILLS          |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   |
| 347  | Caltrans | SJV       |      | SR119  | ELK HILLS          | CHERRY AVE         |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   |
| 348  | Caltrans | SJV       |      | SR119  | CHERRY AVE         | TUPMAN             | Add Lanes        | KER08RTP022             | \$115,000,000     | 1   | 1   | 1   | 1   | 2   | 2   | 2   | 2   |
| 349  | Caltrans | SJV       |      | SR119  | TUPMAN             | SR43               |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   |
| 350  | Caltrans | SJV       |      | SR119  | SR43               | I-5                |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   |
| 351  | Caltrans | SJV       |      | SR119  | I-5                | NORD               | Add Lanes        | KER08RTP099             |                   | 1   | 1   | 1   | 1   | 1   | 2   | 2   | 2   |
| 352  | Caltrans | SJV       |      | SR119  | NORD               | HEATH              | Add Lanes        | KER08RTP099             |                   | 1   | 1   | 1   | 1   | 1   | 2   | 2   | 2   |
| 353  | Caltrans | SJV       |      | SR119  | HEATH              | RENFRO             | Add Lanes        | KER08RTP099             |                   | 1   | 1   | 1   | 1   | 1   | 2   | 2   | 2   |
| 354  | Caltrans | SJV       |      | SR119  | RENFRO             | ALLEN              | Add Lanes        | KER08RTP099             |                   | 1   | 1   | 1   | 1   | 1   | 2   | 2   | 2   |
| 355  | Caltrans | SJV       |      | SR119  | ALLEN              | BARLOW             | Add Lanes        | KER08RTP099             |                   | 1   | 1   | 1   | 1   | 1   | 2   | 2   | 2   |
| 356  | Caltrans | SJV       |      | SR119  | BARLOW             | BUENA VISTA BLVD   | Add Lanes        | KER08RTP099             |                   | 1   | 1   | 1   | 1   | 1   | 2   | 2   | 2   |
| 357  | Caltrans | SJV       |      | SR119  | BUENA VISTA BLVD   | GREEN              | Add Lanes        | Local                   |                   | 1   | 1   | 1   | 1   | 1   | 2   | 2   | 2   |
| 358  | Caltrans | SJV       |      | SR119  | GREEN              | OLD RIVER RD       | Add Lanes        | Local                   |                   | 1   | 1   | 1   | 1   | 1   | 2   | 2   | 2   |
| 359  | Caltrans | SJV       |      | SR119  | OLD RIVER RD       | PROGRESS           | Add Lanes        | Local                   |                   | 1   | 1   | 1   | 1   | 1   | 2   | 2   | 2   |
| 360  | Caltrans | SJV       |      | SR119  | PROGRESS           | GOSFORD            | Add Lanes        | Local                   |                   | 1   | 1   | 1   | 1   | 1   | 2   | 2   | 2   |
| 361  | Caltrans | SJV       |      | SR119  | GOSFORD            | ASHE               | Add Lanes        | Local                   |                   | 1   | 1   | 1   | 1   | 1   | 2   | 2   | 2   |
| 362  | Caltrans | SJV       |      | SR119  | ASHE               | STINE RD           | Add Lanes        | Local                   |                   | 1   | 1   | 1   | 1   | 1   | 2   | 2   | 2   |
| 363  | Caltrans | SJV       |      | SR119  | STINE RD           | VAN HORN           | Add Lanes        | Local                   |                   | 1   | 1   | 1   | 1   | 1   | 2   | 2   | 2   |
| 364  | Caltrans | SJV       |      | SR119  | VAN HORN           | WIBLE RD           | Add Lanes        | Local                   |                   | 1   | 1   | 1   | 1   | 1   | 2   | 2   | 2   |
| 365  | Caltrans | SJV       |      | SR119  | WIBLE RD           | SR99               | Add Lanes        | Local                   |                   | 1   | 1   | 1   | 1   | 1   | 2   | 2   | 2   |
| 366  | Caltrans | SJV       |      | SR155  | SR99               | FREMONT            |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 2   |
| 367  | Caltrans | SJV       |      | SR155  | FREMONT            | HIGH               |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 2   |
| 368  | Caltrans | SJV       |      | SR155  | HIGH               | LEXINGTON          |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 2   |
| 369  | Caltrans | SJV       |      | SR155  | LEXINGTON          | MAST AVE           |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 2   |
| 370  | Caltrans | SJV       |      | SR155  | MAST AVE           | BROWNING           |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 2   |
| 371  | Caltrans | SJV       |      | SR155  | BROWNING           | BOWMAN RD          | Add Lanes        | Local                   |                   | 1   | 1   | 1   | 1   | 1   | 2   | 2   | 2   |
| 372  | Caltrans | SJV       |      | SR155  | BOWMAN RD          | FAMOSO PORTERVILLE | Add Lanes        | Local                   |                   | 1   | 1   | 1   | 1   | 1   | 2   | 2   | 2   |
| 373  | Caltrans | SJV       |      | SR155  | FAMOSO PORTERVILLE | SR65               |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   |
| 374  | Caltrans | SJV       |      | SR155  | SR65               | WOODY GRANITE      |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   |
| 375  | Caltrans | SJV       |      | SR155  | WOODY GRANITE      | GRANITE            |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   |
| 376  | Caltrans | SJV       |      | SR155  | GRANITE            | JACK RANCH         |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   |
| 377  | Caltrans | SJV       | Y/5  | SR155  | JACK RANCH         | RANCHERIA RD       |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   |
| 378  | Caltrans | MD        | Y    | SR155  | RANCHERIA          | WOFFORD            |                  |                         |                   | 1   |     |     |     | 1   |     | 1   | 1   |
| 379  | Caltrans | MD        | Y    | SR155  | WOFFORD            | SAWMILL            |                  |                         |                   | 2   |     |     |     | 2   |     | 2   | 2   |
| 380  | Caltrans | MD        | Y    | SR155  | SAWMILL            | SR178              |                  |                         |                   | 1   |     |     |     | 1   |     | 1   | 1   |
| 381  | Caltrans | SJV       |      | SR166  | SR33               | OLD RIVER RD       |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   |
| 382  | Caltrans | SJV       |      | SR166  | OLD RIVER RD       | I-5                |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   |
| 383  | Caltrans | SJV       |      | SR166  | I-5                | SR99               |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   |
| 384  | Caltrans | SJV       |      | SR178  | SR58/SR99          | BUCK OWENS         | Add Lanes        | KER08RTP014             | \$55,000,000      | 3/5   | 3/5 | 3/5 | 3/5 | 3/5 | 3/5 | 3/5 | 3/5 |
| 385  | Caltrans | SJV       |      | SR178  | BUCK OWENS         | OAK                | Add Lanes        | KER08RTP014             | \$55,000,000      | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   |
| 386  | Caltrans | SJV       |      | SR178  | OAK                | OAK                | Intersection     | KER08RTP014             | \$55,000,000      | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   |
| 387  | Caltrans | SJV       |      | SR178  | OAK                | BEECH              | Add Lanes        | KER08RTP014             | \$55,000,000      | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   |

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|--|----------|-----------|------|--------|--------------------|--------------------|-----------------|----------------------------|-------------------------------|---|----|----|----|----|----|----|----|
| SORT KEY   | AGENCY   | AIR BASIN | M 10 | STREET | BEGIN              | END                | Type of Imprvmt | RTP PROJECT ID/Other ID    | COST (RTP, Other)             | 17  | 20 | 21 | 23 | 25 | 31 | 35 | 40 |
| 388  | Caltrans | SJV       |      | SR178  | BEECH              | PINE ST            | Add Lanes       | KER08RTP014                | \$55,000,000                  | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 389  | Caltrans | SJV       |      | SR178  | PINE ST            | BAY ST             | Add Lanes       | KER08RTP014                | \$55,000,000                  | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 390  | Caltrans | SJV       |      | SR178  | BAY ST             | D ST               | Add Lanes       | KER08RTP014                | \$55,000,000                  | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 391  | Caltrans | SJV       |      | SR178  | D ST               | F ST               | Add Lanes       | KER08RTP014                | \$55,000,000                  | 4   | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
| 392  | Caltrans | SJV       |      | SR178  | F ST               | H ST               | Add Lanes       | KER08RTP014                | \$55,000,000                  | 4   | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
| 393  | Caltrans | SJV       |      | SR178  | H ST               | CHESTER            | Add Lanes       | KER08RTP014                | \$55,000,000                  | 4   | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
| 394  | Caltrans | SJV       |      | SR178  | CHESTER            | M ST               | Add Lanes       | KER08RTP014                | \$55,000,000                  | 4   | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
| 395  | Caltrans | SJV       |      | SR178  | M ST               | SR204              |                 |                            |                               | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 396  | Caltrans | SJV       |      | SR178  | SR204              | ALTA VISTA         | Add Lanes       | KER08RTP028                | \$140,500,000                 | 3   | 3  | 3  | 3  | 3  | 4  | 4  | 4  |
| 397  | Caltrans | SJV       |      | SR178  | ALTA VISTA         | BEALE              | Add Lanes       | KER08RTP028                | \$140,500,000                 | 3   | 3  | 3  | 3  | 3  | 4  | 4  | 4  |
| 398  | Caltrans | SJV       |      | SR178  | BEALE              | HALEY              | Add Lanes       | KER08RTP028                | \$140,500,000                 | 3   | 3  | 3  | 3  | 3  | 4  | 4  | 4  |
| 399  | Caltrans | SJV       |      | SR178  | HALEY              | MT VERNON          | Add Lanes       | KER08RTP028                | \$140,500,000                 | 3   | 3  | 3  | 3  | 3  | 4  | 4  | 4  |
| 400  | Caltrans | SJV       |      | SR178  | MT VERNON          | OSWELL             | Add Lanes       | KER08RTP028                | \$140,500,000                 | 3   | 3  | 3  | 3  | 3  | 4  | 4  | 4  |
| 401  | Caltrans | SJV       |      | SR178  | OSWELL             | FAIRFAX            |                 |                            |                               | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 402  | Caltrans | SJV       |      | SR178  | FAIRFAX            | MORNING DR         |                 | KER08RTP111                |                               | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 403  | Caltrans | SJV       |      | SR178  | MORNING DR         | VINELAND           | Add Lanes       | KER08RTP010<br>KER08RTP112 | \$58,800,000                  | 2   | 2  | 2  | 2  | 2  | 3  | 3  | 3  |
| 404  | Caltrans | SJV       |      | SR178  | VINELAND           | SR184              | Add Lanes       | KER08RTP011<br>KER08RTP025 | \$36,800,000<br>\$231,500,000 | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 405  | Caltrans | SJV       |      | SR178  | SR184              | MASTERSON Street   | Add Lanes       | KER08RTP011<br>KER08RTP025 | \$36,800,000<br>\$231,500,000 | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 406  | Caltrans | SJV       |      | SR178  | MASTERSON Street   | COMANCHE           | Add Lanes       | KER08RTP011<br>KER08RTP025 | \$36,800,000<br>\$231,500,000 | 2   | 2  | 2  | 2  | 2  | 2  | 3  | 3  |
| 407  | Caltrans | SJV       |      | SR178  | COMANCHE           | MIRAMONTE          | Add Lanes       | KER08RTP011<br>KER08RTP025 | \$36,800,000<br>\$231,500,000 | 2   | 2  | 2  | 2  | 2  | 2  | 3  | 3  |
| 408  | Caltrans | SJV       |      | SR178  | MIRAMONTE          | RANCHERIA RD       |                 | KER08RTP084                |                               | 1   | 1  | 1  | 1  | 1  | 1  | 2  | 2  |
| 409  | Caltrans | SJV/MD    | Y/3  | SR178  | RANCHERIA RD       | SR155              |                 |                            |                               | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 410  | Caltrans | MD        | Y    | SR178  | SR155              | LAKE ISABELLA BLVD |                 |                            |                               | 1   |    |    |    | 1  |    | 1  | 1  |
| 411  | Caltrans | MD        | Y    | SR178  | LAKE ISABELLA BLVD | SIERRA WY          |                 |                            |                               | 1   |    |    |    | 1  |    | 1  | 1  |
| 412  | Caltrans | MD        | Y    | SR178  | SIERRA WY          | KELSO VALLEY       |                 |                            |                               | 1   |    |    |    | 1  |    | 1  | 1  |
| 413  | Caltrans | MD/IWV    | Y/2  | SR178  | KELSO VALLEY       | SR14               |                 |                            |                               | 1   |    |    |    | 1  |    | 1  | 1  |
| 414  | Caltrans | IWV       |      | SR178  | SR14               | SR395              |                 |                            |                               |   |    |    |    |    |    |    |    |
| 415  | Caltrans | IWV       |      | SR178  | SR395              | JACKS RANCH        |                 |                            |                               |   |    |    |    |    |    |    |    |
| 416  | Caltrans | IWV       |      | SR178  | JACKS RANCH        | BRADY              |                 |                            |                               |   |    |    |    |    |    |    |    |
| 417  | Caltrans | IWV       |      | SR178  | BRADY              | MAHAN              |                 |                            |                               |   |    |    |    |    |    |    |    |
| 418  | Caltrans | IWV       |      | SR178  | MAHAN              | DOWNS              |                 |                            |                               |   |    |    |    |    |    |    |    |
| 419  | Caltrans | IWV       |      | SR178  | DOWNS              | NORMA              |                 |                            |                               |   |    |    |    |    |    |    |    |
| 420  | Caltrans | IWV       |      | SR178  | NORMA              | CHINA LAKE         |                 |                            |                               |   |    |    |    |    |    |    |    |
| 421  | Caltrans | IWV       |      | SR178  | INYOKERN           | WARD               |                 |                            |                               |   |    |    |    |    |    |    |    |
| 422  | Caltrans | IWV       |      | SR178  | WARD               | DRUMMOND           |                 |                            |                               |   |    |    |    |    |    |    |    |
| 423  | Caltrans | IWV       |      | SR178  | DRUMMOND           | LAS FLORES         |                 |                            |                               |   |    |    |    |    |    |    |    |

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|--|----------|-----------|------|--------|--------------------|--------------------|------------------|-------------------------|-------------------|---|----------|-----|----|-------|------------|-----------------|----|
| SORT KEY   | AGENCY   | AIR BASIN | M 10 | STREET | BEGIN              | END                | Type of Imprvmt. | RTP PROJECT ID/Other ID | COST (RTP, Other) | 17  | 20       | 21  | 23 | 25    | 31         | 35              | 40 |
|  |          |           |      |        |                    |                    |                  |                         |                   | 424   | Caltrans | IWV |    | SR178 | LAS FLORES | RIDGECREST BLVD |    |
| 425  | Caltrans | IWV       |      | SR178  | CHINA LAKE         | GATEWAY            |                  |                         |                   |   |          |     |    |       |            |                 |    |
| 426  | Caltrans | IWV       |      | SR178  | GATEWAY            | RICHMOND           |                  |                         |                   |   |          |     |    |       |            |                 |    |
| 427  | Caltrans | IWV       |      | SR178  | RICHMOND           | COUNTY LINE        |                  |                         |                   |   |          |     |    |       |            |                 |    |
| 428  | Caltrans | SJV       |      | SR184  | MESA MARIN DR      | SR178              | Add Lanes        | KER08RTP101             |                   | 1   | 1        | 1   | 1  | 1     | 2          | 2               | 2  |
| 429  | Caltrans | SJV       |      | SR184  | VINELAND           | MESA MARIN DR      | Add Lanes        | KER08RTP101             |                   | 1   | 1        | 1   | 1  | 1     | 2          | 2               | 2  |
| 430  | Caltrans | SJV       |      | SR184  | MONICA ST          | VINELAND           | Add Lanes        | KER08RTP101             |                   | 1   | 1        | 1   | 1  | 1     | 2          | 2               | 2  |
| 431  | Caltrans | SJV       |      | SR184  | SHALANE            | MONICA ST          | Add Lanes        | KER08RTP101             |                   | 1   | 1        | 1   | 1  | 1     | 2          | 2               | 2  |
| 432  | Caltrans | SJV       |      | SR184  | MORNING DR         | SHALANE            | Add Lanes        | KER08RTP101             |                   | 1   | 1        | 1   | 1  | 1     | 2          | 2               | 2  |
| 433  | Caltrans | SJV       |      | SR184  | NILES              | PIONEER            |                  |                         |                   | 1   | 1        | 1   | 1  | 1     | 2          | 3               | 3  |
| 434  | Caltrans | SJV       |      | SR184  | PIONEER            | MILLS              |                  |                         |                   | 1   | 1        | 1   | 1  | 1     | 2          | 3               | 3  |
| 435  | Caltrans | SJV       |      | SR184  | MILLS              | EDISON             |                  |                         |                   | 1   | 1        | 1   | 1  | 1     | 2          | 3               | 3  |
| 436  | Caltrans | SJV       |      | SR184  | EDISON             | BRUNDAGE           |                  |                         |                   | 2   | 2        | 2   | 2  | 2     | 2          | 3               | 3  |
| 437  | Caltrans | SJV       |      | SR184  | BRUNDAGE           | SR58               |                  |                         |                   | 2   | 2        | 2   | 2  | 2     | 2          | 3               | 3  |
| 438  | Caltrans | SJV       |      | SR184  | SR58               | KERRNITA           |                  | KER08RTP100             |                   | 2   | 2        | 2   | 2  | 2     | 2          | 2               | 2  |
| 439  | Caltrans | SJV       |      | SR184  | KERRNITA           | REDBANK            |                  | KER08RTP100             |                   | 1   | 1        | 1   | 1  | 1     | 2          | 2               | 2  |
| 440  | Caltrans | SJV       |      | SR184  | REDBANK            | WILSON             |                  | KER08RTP100             |                   | 1   | 1        | 1   | 1  | 1     | 2          | 2               | 2  |
| 441  | Caltrans | SJV       |      | SR184  | WILSON             | MULLER             |                  | KER08RTP100             |                   | 1   | 1        | 1   | 1  | 1     | 2          | 2               | 2  |
| 442  | Caltrans | SJV       |      | SR184  | MULLER             | WHITE LN           |                  | KER08RTP100             |                   | 1   | 1        | 1   | 1  | 1     | 2          | 2               | 2  |
| 443  | Caltrans | SJV       |      | SR184  | WHITE LN           | HERMOSA            |                  | KER08RTP100             |                   | 1   | 1        | 1   | 1  | 1     | 2          | 2               | 2  |
| 444  | Caltrans | SJV       |      | SR184  | HERMOSA            | FAIRVIEW RD        |                  | KER08RTP100             |                   | 1   | 1        | 1   | 1  | 1     | 2          | 2               | 2  |
| 445  | Caltrans | SJV       |      | SR184  | FAIRVIEW RD        | PANAMA LN          |                  | KER08RTP100             |                   | 1   | 1        | 1   | 1  | 1     | 2          | 2               | 2  |
| 446  | Caltrans | SJV       |      | SR184  | PANAMA LN          | KAM AVE            |                  | KER08RTP100             |                   | 1   | 1        | 1   | 1  | 1     | 1          | 2               | 2  |
| 447  | Caltrans | SJV       |      | SR184  | KAM AVE            | MOUNTAIN VIEW      |                  | KER08RTP100             |                   | 1   | 1        | 1   | 1  | 1     | 1          | 2               | 2  |
| 448  | Caltrans | SJV       |      | SR184  | MOUNTAIN VIEW      | MC KEE             |                  | KER08RTP100             |                   | 1   | 1        | 1   | 1  | 1     | 1          | 2               | 2  |
| 449  | Caltrans | SJV       |      | SR184  | MC KEE             | SR119/PANAMA RD    |                  | KER08RTP100             |                   | 1   | 1        | 1   | 1  | 1     | 1          | 2               | 2  |
| 450  | Caltrans | SJV       |      | SR184  | SR119/PANAMA RD    | HALL               |                  |                         |                   | 2   | 2        | 2   | 2  | 2     | 2          | 2               | 2  |
| 451  | Caltrans | SJV       |      | SR184  | HALL               | DI GIORGIO         |                  |                         |                   | 2   | 2        | 2   | 2  | 2     | 2          | 2               | 2  |
| 452  | Caltrans | SJV       |      | SR184  | DI GIORGIO         | TRI DUNCON         |                  |                         |                   | 1   | 1        | 1   | 1  | 1     | 1          | 2               | 2  |
| 453  | Caltrans | SJV       |      | SR184  | TRI DUNCON         | BUENA VISTA BLVD   |                  |                         |                   | 1   | 1        | 1   | 1  | 1     | 1          | 2               | 2  |
| 454  | Caltrans | SJV       |      | SR184  | BUENA VISTA BLVD   | SUNSET BLVD        |                  |                         |                   | 1   | 1        | 1   | 1  | 1     | 1          | 2               | 2  |
| 455  | Caltrans | SJV       |      | SR184  | SUNSET BLVD        | SR223              |                  |                         |                   | 1   | 1        | 1   | 1  | 1     | 1          | 2               | 2  |
| 456  | Caltrans | MD        |      | SR202  | SR58               | TEHACHAPI BLVD     |                  |                         |                   | 2   |          |     |    | 2     |            | 2               | 2  |
| 457  | Caltrans | MD        |      | SR202  | TEHACHAPI BLVD     | RED APPLE          |                  |                         |                   | 2   |          |     |    | 2     |            | 2               | 2  |
| 458  | Caltrans | MD        |      | SR202  | RED APPLE          | VALLEY BLVD        |                  |                         |                   | 2   |          |     |    | 2     |            | 2               | 2  |
| 459  | Caltrans | MD        |      | SR202  | VALLEY BLVD        | GOLDEN HILLS       |                  |                         |                   | 1   |          |     |    | 1     |            | 2               | 2  |
| 460  | Caltrans | MD        |      | SR202  | GOLDEN HILLS       | WOODFORD TEHACHAPI |                  |                         |                   | 1   |          |     |    | 1     |            | 1               | 1  |
| 461  | Caltrans | MD        |      | SR202  | WOODFORD TEHACHAPI | SCHOUT             |                  |                         |                   | 1   |          |     |    | 1     |            | 1               | 1  |
| 462  | Caltrans | MD        |      | SR202  | SCHOUT             | BANDUCCI           |                  |                         |                   | 1   |          |     |    | 1     |            | 1               | 1  |
| 463  | Caltrans | MD        | Y    | SR202  | BANDUCCI           | CUMMINGS VALLEY    |                  |                         |                   | 1   |          |     |    | 1     |            | 1               | 1  |
| 464  | Caltrans | MD        | Y    | SR202  | CUMMINGS VALLEY    | BEAR VALLEY        |                  |                         |                   | 1   |          |     |    | 1     |            | 1               | 1  |
| 465  | Caltrans | MD        | Y    | SR202  | BEAR VALLEY        | GIRAUDO            |                  |                         |                   | 1   |          |     |    | 1     |            | 1               | 1  |
| 466  | Caltrans | SJV       |      | SR204  | UNION              | Q ST               |                  |                         |                   | 3   | 3        | 3   | 3  | 3     | 3          | 3               | 3  |

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| Appendix B - Highway Project Listing on Regionally Significant Route Segments and Year Number of Lanes Modeled |          |           |       |                |                |     |                  |                         |                   |   |     |     |     |     |    |    |    |
|--|----------|-----------|-------|----------------|----------------|-----|------------------|-------------------------|-------------------|---|-----|-----|-----|-----|----|----|----|
| SORT KEY   | AGENCY   | AIR BASIN | M 10  | STREET         | BEGIN          | END | Type of Imprmnt. | RTP PROJECT ID/Other ID | COST (RTP, Other) | Year number of lanes modeled (each direction) |     |     |     |     |    |    |    |
|  |          |           |       |                |                |     |                  |                         |                   | 17  | 20  | 21  | 23  | 25  | 31 | 35 | 40 |
| 467  | Caltrans | SJV       | SR204 | Q ST           | M ST           |     |                  |                         |                   | 3   | 3   | 3   | 3   | 3   | 3  | 3  | 3  |
| 468  | Caltrans | SJV       | SR204 | M ST           | CHESTER        |     |                  |                         |                   | 3   | 3   | 3   | 3   | 3   | 3  | 3  | 3  |
| 469  | Caltrans | SJV       | SR204 | CHESTER        | F ST           |     |                  |                         |                   | 2/3   | 2/3 | 2/3 | 2/3 | 2/3 | 3  | 3  | 3  |
| 470  | Caltrans | SJV       | SR204 | F ST           | SR99           |     |                  |                         |                   | 2   | 2   | 2   | 2   | 2   | 3  | 3  | 3  |
| 471  | Caltrans | SJV       | SR223 | I-5            | OLD RIVER RD   |     |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1  | 1  | 1  |
| 472  | Caltrans | SJV       | SR223 | OLD RIVER RD   | WIBLE RD       |     |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1  | 1  | 1  |
| 473  | Caltrans | SJV       | SR223 | WIBLE RD       | SR99           |     |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1  | 1  | 1  |
| 474  | Caltrans | SJV       | SR223 | SR99           | UNION          |     |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1  | 1  | 1  |
| 475  | Caltrans | SJV       | SR223 | UNION          | FAIRFAX        |     |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1  | 1  | 1  |
| 476  | Caltrans | SJV       | SR223 | FAIRFAX        | SR184          |     |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1  | 1  | 1  |
| 477  | Caltrans | SJV       | SR223 | SR184          | VINELAND       |     |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1  | 1  | 1  |
| 478  | Caltrans | SJV       | SR223 | VINELAND       | EDISON         |     |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1  | 1  | 1  |
| 479  | Caltrans | SJV       | SR223 | EDISON         | MALAGA         |     |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1  | 1  | 1  |
| 480  | Caltrans | SJV       | SR223 | MALAGA         | COMANCHE       |     |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1  | 1  | 1  |
| 481  | Caltrans | SJV       | SR223 | COMANCHE       | CAMPUS         |     |                  |                         |                   | 2   | 2   | 2   | 2   | 2   | 2  | 2  | 2  |
| 482  | Caltrans | SJV       | SR223 | CAMPUS         | TEJON          |     |                  |                         |                   | 2   | 2   | 2   | 2   | 2   | 2  | 2  | 2  |
| 483  | Caltrans | SJV       | SR223 | TEJON          | TOWER LINE     |     |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1  | 1  | 1  |
| 484  | Caltrans | SJV       | SR223 | TOWER LINE     | GENERAL BEALE  |     |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1  | 1  | 1  |
| 485  | Caltrans | SJV       | SR223 | GENERAL BEALE  | SR58           |     |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1  | 1  | 1  |
| 486  | Caltrans | SJV       | SR33  | BARKER         | TWISSELMAN     |     |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1  | 1  | 1  |
| 487  | Caltrans | SJV       | SR33  | TWISSELMAN     | SR46           |     |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1  | 1  | 1  |
| 488  | Caltrans | SJV       | SR33  | SR46           | LERDO HWY      |     |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1  | 1  | 1  |
| 489  | Caltrans | SJV       | SR33  | LERDO HWY      | LOST HILLS     |     |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1  | 1  | 1  |
| 490  | Caltrans | SJV       | SR33  | LOST HILLS     | LOKERN         |     |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1  | 1  | 1  |
| 491  | Caltrans | SJV       | SR33  | LOKERN         | SR58           |     |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1  | 1  | 1  |
| 492  | Caltrans | SJV       | SR33  | SR58           | SR58           |     |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1  | 1  | 1  |
| 493  | Caltrans | SJV       | SR33  | SR58           | BILL KIRBY     |     |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1  | 1  | 1  |
| 494  | Caltrans | SJV       | SR33  | BILL KIRBY     | MIDWAY         |     |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1  | 1  | 1  |
| 495  | Caltrans | SJV       | SR33  | MIDWAY         | ASH            |     |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1  | 1  | 1  |
| 496  | Caltrans | SJV       | SR33  | ASH            | HILLARD        |     |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1  | 1  | 1  |
| 497  | Caltrans | SJV       | SR33  | HILLARD        | 10TH ST        |     |                  |                         |                   | 2   | 2   | 2   | 2   | 2   | 2  | 2  | 2  |
| 498  | Caltrans | SJV       | SR33  | 10TH ST        | 8TH ST         |     |                  |                         |                   | 2   | 2   | 2   | 2   | 2   | 2  | 2  | 2  |
| 499  | Caltrans | SJV       | SR33  | 8TH ST         | 2ND ST         |     |                  |                         |                   | 2   | 2   | 2   | 2   | 2   | 2  | 2  | 2  |
| 500  | Caltrans | SJV       | SR33  | 2ND ST         | MAIN ST        |     |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1  | 1  | 1  |
| 501  | Caltrans | SJV       | SR33  | MAIN ST        | SR119          |     |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1  | 1  | 1  |
| 502  | Caltrans | SJV       | SR33  | SR119          | WOOD           |     |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1  | 1  | 1  |
| 503  | Caltrans | SJV       | SR33  | WOOD           | CADET          |     |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1  | 1  | 1  |
| 504  | Caltrans | SJV       | SR33  | CADET          | BUSH           |     |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1  | 1  | 1  |
| 505  | Caltrans | SJV       | SR33  | BUSH           | SR166          |     |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1  | 1  | 1  |
| 506  | Caltrans | SJV       | SR33  | SR166          | CERRO NOROESTE |     |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1  | 1  | 1  |
| 507  | Caltrans | SJV       | SR33  | CERRO NOROESTE | COUNTY LINE    |     |                  |                         |                   | 1   | 1   | 1   | 1   | 1   | 1  | 1  | 1  |
| 508  | Caltrans | IWV       | SR395 | COUNTY LINE    | SR14           |     |                  |                         |                   |   |     |     |     |     |    |    |    |
| 509  | Caltrans | IWV       | SR395 | SR14           | INYOKERN       |     |                  |                         |                   |   |     |     |     |     |    |    |    |

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| Appendix B - Highway Project Listing on Regionally Significant Route Segments and Year Number of Lanes Modeled |          |           |     |        |                    |                    |                  |                         |                   | Year number of lanes modeled (each direction) |    |    |    |    |    |    |    |
|--|----------|-----------|-----|--------|--------------------|--------------------|------------------|-------------------------|-------------------|---|----|----|----|----|----|----|----|
| SORT KEY   | AGENCY   | AIR BASIN | M 1 | STREET | BEGIN              | END                | Type of Imprvmt. | RTP PROJECT ID/Other ID | COST (RTP, Other) | 17  | 20 | 21 | 23 | 25 | 31 | 35 | 40 |
| 510  | Caltrans | WV        |     | SR395  | INYOKERN           | BOWMAN RD          | Passing Lanes    | KER08RTP089             | \$20,000,000      |   |    |    |    |    |    |    |    |
| 511  | Caltrans | WV        |     | SR395  | BOWMAN RD          | CHINA LAKE         | Passing Lanes    | KER08RTP089             | \$20,000,000      |   |    |    |    |    |    |    |    |
| 512  | Caltrans | WV        |     | SR395  | CHINA LAKE         | SEARLES            |                  |                         |                   |   |    |    |    |    |    |    |    |
| 513  | Caltrans | MD        |     | SR395  | SEARLES            | GARLOCK            |                  |                         |                   | 1   |    |    |    | 1  |    | 2  | 2  |
| 514  | Caltrans | MD        |     | SR395  | GARLOCK            | JOBERG             |                  |                         |                   | 1   |    |    |    | 1  |    | 2  | 2  |
| 515  | Caltrans | MD        |     | SR395  | JOBERG             | COUNTY LINE        |                  |                         |                   | 1   |    |    |    | 1  |    | 2  | 2  |
| 516  | Caltrans | SJV       |     | SR43   | COUNTY LINE        | CECIL AVE          |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 517  | Caltrans | SJV       |     | SR43   | CECIL AVE          | SR155              |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 518  | Caltrans | SJV       |     | SR43   | SR155              | POND               |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 519  | Caltrans | SJV       |     | SR43   | POND               | SHERWOOD           |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 520  | Caltrans | SJV       |     | SR43   | SHERWOOD           | SR46               |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 521  | Caltrans | SJV       |     | SR43   | SR46               | 5TH ST             |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 522  | Caltrans | SJV       |     | SR43   | 5TH ST             | 6TH ST             |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 523  | Caltrans | SJV       |     | SR43   | 6TH ST             | 7TH ST             |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 524  | Caltrans | SJV       |     | SR43   | 7TH ST             | POSO DR            |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 525  | Caltrans | SJV       |     | SR43   | POSO DR            | FILBURN            |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 526  | Caltrans | SJV       |     | SR43   | FILBURN            | JACKSON            |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 527  | Caltrans | SJV       |     | SR43   | JACKSON            | KIMBERLINA RD      |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 528  | Caltrans | SJV       |     | SR43   | KIMBERLINA         | POPLAR             |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 529  | Caltrans | SJV       |     | SR43   | POPLAR             | SHAFTER            |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 530  | Caltrans | SJV       |     | SR43   | SHAFTER            | CENTRAL            |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 531  | Caltrans | SJV       |     | SR43   | CENTRAL            | LERDO HWY          |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 532  | Caltrans | SJV       |     | SR43   | LERDO HWY          | LOS ANGELES        |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 2  |
| 533  | Caltrans | SJV       |     | SR43   | LOS ANGELES        | 7TH STANDARD       |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 2  |
| 534  | Caltrans | SJV       |     | SR43   | 7TH STANDARD       | BAKER              |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 535  | Caltrans | SJV       |     | SR43   | BAKER              | SNOW               |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 536  | Caltrans | SJV       |     | SR43   | SNOW               | KRATZMEYER         |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 537  | Caltrans | SJV       |     | SR43   | KRATZMEYER         | REINA              |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 538  | Caltrans | SJV       |     | SR43   | REINA              | HAGEMAN            |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 539  | Caltrans | SJV       |     | SR43   | HAGEMAN            | SR58               |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 540  | Caltrans | SJV       |     | SR43   | SR58               | PALM               |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 541  | Caltrans | SJV       |     | SR43   | PALM               | BRIMHALL           |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 542  | Caltrans | SJV       |     | SR43   | BRIMHALL           | STOCKDALE          |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 543  | Caltrans | SJV       |     | SR43   | STOCKDALE          | PANAMA LN          |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 544  | Caltrans | SJV       |     | SR43   | PANAMA LN          | I-5                |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 545  | Caltrans | SJV       |     | SR43   | I-5                | SR119              |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 546  | Caltrans | SJV       |     | SR46   | COUNTY LINE        | KECKS              | Add Lanes        | KER08RTP003             | \$232,000,000     | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 547  | Caltrans | SJV       |     | SR46   | KECKS              | BITTERWATER VALLEY | Add Lanes        | KER08RTP003             | \$232,000,000     | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 548  | Caltrans | SJV       |     | SR46   | BITTERWATER VALLEY | SR33               | Add Lanes        | KER08RTP003             | \$232,000,000     | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 549  | Caltrans | SJV       |     | SR46   | SR33               | BROWN MATERIAL RD  | Add Lanes        | KER08RTP003             | \$232,000,000     | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 550A   | Caltrans | SJV       |     | SR46   | BROWN MATERIAL RD  | LOST HILLS         | Add Lanes        | KER08RTP018             | \$70,000,000      | 1   | 1  | 1  | 1  | 1  | 2  | 2  | 2  |
| 550B   | Caltrans | SJV       |     | SR46   | LOST HILLS         | I-5                | Add Lanes        | KER14RTP001             | \$27,000,000      | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 551  | Caltrans | SJV       |     | SR46   | I-5                | CORCORAN           |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 552  | Caltrans | SJV       |     | SR46   | CORCORAN           | ROWLEE             |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |

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|--|----------|-----------|------|--------------|--------------|-----------|------------------|-------------------------|-------------------|---|----|----|----|----|----|----|----|
| SORT KEY   | AGENCY   | AIR BASIN | M 10 | STREET       | BEGIN        | END       | Type of Imprvmt. | RTP PROJECT ID/Other ID | COST (RTP, Other) | Year number of lanes modeled (each direction) |    |    |    |    |    |    |    |
|  |          |           |      |              |              |           |                  |                         |                   | 17  | 20 | 21 | 23 | 25 | 31 | 35 | 40 |
| 553  | Caltrans | SJV       | SR46 | ROWLEE       | WILDWOOD     |           |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 554  | Caltrans | SJV       | SR46 | WILDWOOD     | SCOFIELD     |           |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 555  | Caltrans | SJV       | SR46 | SCOFIELD     | LEONARD      |           |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 556  | Caltrans | SJV       | SR46 | LEONARD      | WESTERN      |           |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 557  | Caltrans | SJV       | SR46 | WESTERN      | MAGNOLIA     |           |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 558  | Caltrans | SJV       | SR46 | MAGNOLIA     | CENTRAL      |           |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 559  | Caltrans | SJV       | SR46 | CENTRAL      | PALM         |           |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 560  | Caltrans | SJV       | SR46 | PALM         | GRIFFITH     |           |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 561  | Caltrans | SJV       | SR46 | GRIFFITH     | F ST         |           |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 562  | Caltrans | SJV       | SR46 | F ST         | SR43         |           |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 563  | Caltrans | SJV       | SR46 | SR43         | ROOT         |           |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 564  | Caltrans | SJV       | SR46 | ROOT         | SR99         |           |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 565  | Caltrans | SJV       | SR58 | COUNTY LINE  | SR33         |           |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 566  | Caltrans | SJV       | SR58 | SR33         | LOKERN       |           |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 567  | Caltrans | SJV       | SR58 | LOKERN       | BUTTONWILLOW |           |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 568  | Caltrans | SJV       | SR58 | BUTTONWILLOW | I-5          |           |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 569  | Caltrans | SJV       | SR58 | I-5          | BRANDT       |           |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 570  | Caltrans | SJV       | SR58 | BRANDT       | SR43         |           |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 571  | Caltrans | SJV       | SR58 | SR43         | CHERRY       |           | KER08RTP092      |                         |                   | 1   | 1  | 1  | 1  | 1  | 2  | 2  | 2  |
| 572  | Caltrans | SJV       | SR58 | CHERRY       | SUPERIOR     |           | KER08RTP092      |                         |                   | 1   | 1  | 1  | 1  | 1  | 2  | 2  | 2  |
| 573  | Caltrans | SJV       | SR58 | SUPERIOR     | GREELEY      |           | KER08RTP092      |                         |                   | 1   | 1  | 1  | 1  | 1  | 2  | 2  | 2  |
| 574  | Caltrans | SJV       | SR58 | GREELEY      | DRIVER       |           | KER08RTP092      |                         |                   | 1   | 1  | 1  | 1  | 1  | 2  | 2  | 2  |
| 575  | Caltrans | SJV       | SR58 | DRIVER       | NORD         |           | KER08RTP092      |                         |                   | 1   | 1  | 1  | 1  | 1  | 2  | 2  | 2  |
| 576  | Caltrans | SJV       | SR58 | NORD         | WEGIS        |           | KER08RTP092      |                         |                   | 1   | 1  | 1  | 1  | 1  | 2  | 2  | 2  |
| 577  | Caltrans | SJV       | SR58 | WEGIS        | HEATH        |           | KER08RTP092      |                         |                   | 1   | 1  | 1  | 1  | 1  | 2  | 2  | 2  |
| 578  | Caltrans | SJV       | SR58 | HEATH        | RENFRO       |           | KER08RTP092      |                         |                   | 1   | 1  | 1  | 1  | 1  | 2  | 3  | 3  |
| 579  | Caltrans | SJV       | SR58 | RENFRO       | JENKINS      |           | KER08RTP092      |                         |                   | 1   | 1  | 1  | 1  | 1  | 2  | 3  | 3  |
| 580  | Caltrans | SJV       | SR58 | JENKINS      | ALLEN        |           | KER08RTP092      |                         |                   | 1   | 1  | 1  | 1  | 1  | 2  | 3  | 3  |
| 581  | Caltrans | SJV       | SR58 | ALLEN        | OLD FARM     | Add Lanes | KER08RTP090      | \$8,800,000             |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 582  | Caltrans | SJV       | SR58 | OLD FARM     | JEWETTA      | Add Lanes | KER08RTP090      | \$8,800,000             |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 583  | Caltrans | SJV       | SR58 | JEWETTA      | VERDUGO      | Add Lanes | KER08RTP090      | \$8,800,000             |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 584  | Caltrans | SJV       | SR58 | VERDUGO      | CALLOWAY     | Add Lanes | KER08RTP090      | \$8,800,000             |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 585  | Caltrans | SJV       | SR58 | CALLOWAY     | MAIN PLAZA   | Add Lanes | KER08RTP007      | \$29,000,000            |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 586  | Caltrans | SJV       | SR58 | MAIN PLAZA   | COFFEE       |           | KER08RTP007      | \$29,000,000            |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 587  | Caltrans | SJV       | SR58 | COFFEE       | PATTON       |           | KER08RTP007      | \$29,000,000            |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 588  | Caltrans | SJV       | SR58 | PATTON       | WEAR         | Add Lanes | KER08RTP007      | \$29,000,000            |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 589  | Caltrans | SJV       | SR58 | WEAR         | FRUITVALE    | Add Lanes | KER08RTP007      | \$29,000,000            |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 590  | Caltrans | SJV       | SR58 | FRUITVALE    | MOHAWK       | Add Lanes | KER08RTP007      | \$29,000,000            |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 591  | Caltrans | SJV       | SR58 | MOHAWK       | LANDCO       | Add Lanes | KER08RTP118      | \$27,000,000            |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 592  | Caltrans | SJV       | SR58 | LANDCO       | GIBSON       | Add Lanes | KER08RTP007      | \$29,000,000            |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 593  | Caltrans | SJV       | SR58 | GIBSON       | SR99         | Add Lanes | KER08RTP007      | \$29,000,000            |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 594  | Caltrans | SJV       | SR58 | REAL         | SR99         |           |                  |                         |                   | 2   | 0  | 0  | 0  | 0  | 0  | 0  | 0  |

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| Appendix B - Highway Project Listing on Regionally Significant Route Segments and Year Number of Lanes Modeled |          |           |        |        |                      |                      |                  |   |   | Year number of lanes modeled (each direction) |     |      |     |     |      |     |     |
|--|----------|-----------|--------|--------|----------------------|----------------------|------------------|---|---|---|-----|------|-----|-----|------|-----|-----|
| SORT KEY   | AGENCY   | AIR BASIN | M 10   | STREET | BEGIN                | END                  | Type of Imprvmt. | RTP PROJECT ID/Other ID                   | COST (RTP, Other)                             | 17  | 20  | 21   | 23  | 25  | 31   | 35  | 40  |
| 595  | Caltrans | SJV       | SR58   |        | SR99                 | H STREET             |                  | KER08RTP019<br>KER08RTP020<br>KER08RTP093 | \$31,000,000<br>\$47,400,000<br>\$698,000,000 | 3   | 2-5 | var. | 2-5 | 2-5 | var. | 3-6 | 3-6 |
| 596  | Caltrans | SJV       | SR58   |        | H STREET             | CHESTER              |                  | KER08RTP019<br>KER08RTP020<br>KER08RTP093 | \$31,000,000<br>\$47,400,000<br>\$698,000,000 | 3   | 3   | 3    | 3   | 3   | 4    | 4   | 4   |
| 597  | Caltrans | SJV       | SR58   |        | CHESTER              | UNION                |                  | KER08RTP019<br>KER08RTP020<br>KER08RTP093 | \$31,000,000<br>\$47,400,000<br>\$698,000,000 | 3   | 4   | 4    | 4   | 4   | 5    | 5   | 5   |
| 598  | Caltrans | SJV       | SR58   |        | UNION                | COTTONWOOD           | Add Lanes        | KER08RTP019<br>KER08RTP093                | \$50,000,000<br>\$47,400,000                  | 3   | 3   | 3    | 3   | 3   | 4    | 4   | 4   |
| 599  | Caltrans | SJV       | SR58   |        | COTTONWOOD           | MT VERNON            |                  |   |   | 3   | 3   | 3    | 3   | 3   | 4    | 4   | 4   |
| 600  | Caltrans | SJV       | SR58   |        | MT VERNON            | OSWELL               |                  |   |   | 3   | 3   | 3    | 3   | 3   | 4    | 4   | 4   |
| 601  | Caltrans | SJV       | SR58   |        | OSWELL               | FAIRFAX              |                  |   |   | 3   | 3   | 3    | 3   | 3   | 4    | 4   | 4   |
| 602  | Caltrans | SJV       | SR58   |        | FAIRFAX              | SR184                |                  |   |   | 3   | 3   | 3    | 3   | 3   | 3    | 3   | 3   |
| 603  | Caltrans | SJV       | SR58   |        | SR184                | EDISON               |                  |   |   | 2   | 2   | 2    | 2   | 2   | 2    | 2   | 2   |
| 604  | Caltrans | SJV       | SR58   |        | EDISON               | COMANCHE             |                  |   |   | 2   | 2   | 2    | 2   | 2   | 2    | 2   | 2   |
| 605  | Caltrans | SJV       | SR58   |        | COMANCHE             | TOWER LINE           |                  |   |   | 2   | 2   | 2    | 2   | 2   | 2    | 2   | 2   |
| 606  | Caltrans | SJV       | SR58   |        | TOWER LINE           | GENERAL BEALE        |                  |   |   | 2   | 2   | 2    | 2   | 2   | 2    | 2   | 2   |
| 607  | Caltrans | SJV       | SR58   |        | GENERAL BEALE        | BEND RD              | Truck Lanes      | SHOPP                                     |   | 2   | 2   | 2    | 2   | 2   | 3    | 3   | 3   |
| 608  | Caltrans | SJV       | SR58   |        | BEND RD              | BEALVILLE            | Truck Lanes      | SHOPP                                     |   | 2   | 2   | 2    | 2   | 2   | 3    | 3   | 3   |
| 609  | Caltrans | SJV       | SR58   |        | BEALVILLE            | BROOM RANCH          |                  |   |   | 2   | 2   | 2    | 2   | 2   | 2    | 2   | 2   |
| 610  | Caltrans | MD        | Y SR58 |        | BROOM RANCH          | SR 202               |                  |   |   | 2   |     |      |     | 2   |      | 2   | 2   |
| 611  | Caltrans | MD        | SR58   |        | SR202                | MILL                 |                  |   |   | 2   |     |      |     | 2   |      | 2   | 2   |
| 612  | Caltrans | MD        | SR58   |        | MILL                 | DENNISON             |                  |   |   | 2   |     |      |     | 2   |      | 2   | 2   |
| 613  | Caltrans | MD        | SR58   |        | DENNISON             | TEHACHAPI BLVD       |                  |   |   | 2   |     |      |     | 2   |      | 2   | 2   |
| 614  | Caltrans | MD        | SR58   |        | TEHACHAPI BLVD       | SAND CANYON          |                  |   |   | 2   |     |      |     | 2   |      | 2   | 2   |
| 615  | Caltrans | MD        | SR58   |        | SAND CANYON          | RANDBURG CUTOFF      |                  |   |   | 2   |     |      |     | 2   |      | 2   | 2   |
| 616  | Caltrans | MD        | SR58   |        | RANDBURG CUTOFF      | SR14                 |                  |   |   | 2   |     |      |     | 2   |      | 2   | 2   |
| 617  | Caltrans | MD        | SR58   |        | SR14                 | 20 MULE TEAM PARKWAY |                  |   |   | 2   |     |      |     | 2   |      | 2   | 2   |
| 618  | Caltrans | MD        | SR58   |        | 20 MULE TEAM PARKWAY | OLD 58               |                  |   |   | 2   |     |      |     | 2   |      | 2   | 2   |
| 619  | Caltrans | MD        | SR58   |        | OLD 58               | CALIFORNIA CITY      |                  |   |   | 2   |     |      |     | 2   |      | 2   | 2   |
| 620  | Caltrans | MD        | SR58   |        | CALIFORNIA CITY      | MUROC                |                  |   |   | 2   |     |      |     | 2   |      | 2   | 2   |
| 621  | Caltrans | MD        | SR58   |        | MUROC                | CLAY MINE            |                  |   |   | 2   |     |      |     | 2   |      | 2   | 2   |
| 622  | Caltrans | MD        | SR58   |        | CLAY MINE            | 20 MULE TEAM PARKWAY |                  |   |   | 2   |     |      |     | 2   |      | 2   | 2   |
| 623  | Caltrans | MD        | SR58   |        | 20 MULE TEAM         | GEPHART              |                  |   |   | 2   |     |      |     | 2   |      | 2   | 2   |
| 624  | Caltrans | MD        | SR58   |        | GEPHART              | BORAX                |                  |   |   | 2   |     |      |     | 2   |      | 2   | 2   |
| 625  | Caltrans | MD        | SR58   |        | BORAX                | COUNTY LINE          |                  |   |   | 2   |     |      |     | 2   |      | 2   | 2   |
| 626  | Caltrans | SJV       | SR65   |        | COUNTY LINE          | SR155                |                  |   |   | 1   | 1   | 1    | 1   | 1   | 1    | 1   | 1   |
| 627  | Caltrans | SJV       | SR65   |        | SR155                | SHERWOOD             |                  |   |   | 1   | 1   | 1    | 1   | 1   | 1    | 1   | 1   |
| 628  | Caltrans | SJV       | SR65   |        | SHERWOOD             | FAMOSO RD            |                  |   |   | 1   | 1   | 1    | 1   | 1   | 1    | 1   | 1   |
| 629  | Caltrans | SJV       | SR65   |        | FAMOSO RD            | MERCED AVE           |                  |   |   | 1   | 1   | 1    | 1   | 1   | 1    | 1   | 1   |
| 630  | Caltrans | SJV       | SR65   |        | MERCED AVE           | LERDO HWY            |                  |   |   | 1   | 1   | 1    | 1   | 1   | 1    | 1   | 1   |

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|--|--------------------|-----------|-----------------|-----------------|---------------|-----|------------------|-------------------------|-------------------|---|----|----|----|----|----|----|----|
| SORT KEY   | AGENCY             | AIR BASIN | M 10            | STREET          | BEGIN         | END | Type of Imprvmt. | RTP PROJECT ID/Other ID | COST (RTP, Other) | 17  | 20 | 21 | 23 | 25 | 31 | 35 | 40 |
| 031  | Caltrans           | SJV       | SR05            | LERDO HWY       | JAMES         |     |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 032  | Caltrans           | SJV       | SR05            | JAMES           | 7TH STANDARD  |     | Add Lanes        | KER08RTP094             |                   | 1   | 1  | 1  | 2  | 2  | 2  | 2  | 2  |
| 033  | Caltrans           | SJV       | SR05            | 7TH STANDARD    | SR09          |     |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 034  | Caltrans           | SJV       | SR09            | COUNTY LINE     | CECIL AVE     |     |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 035  | Caltrans           | SJV       | SR09            | CECIL           | SR155         |     |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 036  | Caltrans           | SJV       | SR09            | SR155           | WOOLLOMES     |     |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 037  | Caltrans           | SJV       | SR09            | WOOLLOMES       | POND          |     |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 038  | Caltrans           | SJV       | SR09            | POND            | SHERWOOD      |     |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 039  | Caltrans           | SJV       | SR09            | SHERWOOD        | SR46          |     |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 040  | Caltrans           | SJV       | SR09            | SR46            | KIMBERLINA RD |     |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 041  | Caltrans           | SJV       | SR09            | KIMBERLINA RD   | MERCED AVE    |     |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 042  | Caltrans           | SJV       | SR09            | MERCED          | LERDO HWY     |     |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 043  | Caltrans           | SJV       | SR09            | LERDO HWY       | 7TH STANDARD  |     |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 044  | Caltrans           | SJV       | SR09            | 7TH STANDARD    | SR05          |     |                  | KER08RTP104             | \$91,100,000      | 3   | 3  | 3  | 3  | 3  | 3  | 4  | 4  |
| 045  | Caltrans           | SJV       | SR09            | SR05            | OLIVE         |     |                  | KER08RTP104             | \$91,100,000      | 3   | 3  | 3  | 3  | 3  | 3  | 4  | 4  |
| 046  | Caltrans           | SJV       | SR09            | SNOW RD         | SNOW RD       |     | New Interchange  | KER08RTP115             | \$138,200,000     | -   | -  | -  | -  | -  | -  | X  | X  |
| 047  | Caltrans           | SJV       | SR09            | OLIVE           | OLIVE         |     | Ramp Improvement | KER08RTP021             | \$108,000,000     | -   | -  | -  | -  | -  | -  | X  | X  |
| 048  | Caltrans           | SJV       | SR09            | OLIVE           | SR204         |     |                  | KER08RTP104             | \$12,000,000      | 5   | 5  | 5  | 5  | 5  | 5  | 5  | 5  |
| 049  | Caltrans           | SJV       | SR09            | SR204           | AIRPORT       |     |                  |                         |                   | 4   | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
| 050  | Caltrans           | SJV       | SR09            | AIRPORT         | SR58(24TH ST) |     |                  |                         |                   | 4   | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
| 051  | Caltrans           | SJV       | SR09            | SR58(24TH ST)   | CALIFORNIA    |     |                  |                         |                   | 4   | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
| 052  | Caltrans           | SJV       | SR09            | CALIFORNIA      | STOCKDALE     |     |                  |                         |                   | 4   | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
| 053  | Caltrans           | SJV       | SR09            | STOCKDALE       | MING          |     |                  |                         |                   | 4   | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
| 054  | Caltrans           | SJV       | SR09            | MING            | Wilson Road   |     |                  |                         |                   | 4   | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
| 055  | Caltrans           | SJV       | SR09            | Wilson Road     | WHITE LN      |     | Add Lanes        | KER08RTP077             | \$52,000,000      | 4   | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
| 056  | Caltrans           | SJV       | SR09            | WHITE LN        | PANAMA LN     |     | Add Lanes        | KER08RTP077             | \$52,000,000      | 4   | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
| 057  | Caltrans           | SJV       | SR09            | PANAMA LN       | HOSKING       |     | Add Lanes        | KER08RTP077             | \$52,000,000      | 4   | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
| 058  | Caltrans           | SJV       | SR09            | HOSKING         | HOSKING       |     | Interchange Impr | KER08RTP009             | \$35,000,000      | 2   | 2  | 2  | 2  | 2  | 2  | 3  | 3  |
| 059  | Caltrans           | SJV       | SR09            | SR119           | HOSKING       |     | Add Lanes        | KER08RTP077             | \$52,000,000      | 4   | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
| 060  | Caltrans           | SJV       | SR09            | SR223           | SR119         |     |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 061  | Caltrans           | SJV       | SR09            | HERRING RD      | SR223         |     |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 062  | Caltrans           | SJV       | SR09            | COPUS RD        | HERRING RD    |     |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 063  | Caltrans           | SJV       | SR09            | SR166           | COPUS RD      |     |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 064  | Caltrans           | SJV       | SR09            | I-5             | SR166         |     |                  |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 065  | Caltrans           | MD        | TUCKER RD       | RED APPLE       | VALLEY        |     |                  |                         |                   | 2   |    |    |    | 2  |    | 2  | 2  |
| 066  | Caltrans           | MD        | VALLEY BL       | TUCKER          | REEVES        |     | Add Lanes        | Local                   |                   | 2   |    |    |    | 2  |    | 2  | 2  |
| 067  | Caltrans           | MD        | VALLEY BL       | REEVES          | GOLDEN HILLS  |     | Add Lanes        | Local                   |                   | 2   |    |    |    | 2  |    | 2  | 2  |
| 068  | <b>Kern County</b> |           |                 |                 |               |     |                  |                         |                   |   |    |    |    |    |    |    |    |
| 069  | Kern County        | SJV       | SR119           | SR09            | HUGHES LN     |     | Add Lanes        | Local                   |                   | 1   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 070  | Kern County        | SJV       | SR119           | HUGHES LN       | UNION         |     |                  |                         |                   | 1   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 071  | Kern County        | SJV       | SR119           | UNION           | SR184         |     |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 2  | 2  | 2  |
| 072  | Kern County        | SJV       | 7th STANDARD RD | SR 43/Enos Lane | SANTA FE WAY  |     | Add Lanes        | KER08RTP113             | \$11,500,000      | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 073  | Kern County        | SJV       | 7th STANDARD RD | ZERKER RD       | ALLEN         |     | Add Lanes        | KER08RTP005             | \$57,000,000      | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |

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|--|-------------|-----------|------|-----------------|----------------------|---------------------|-------------------|-------------------------|-------------------|---|----|----|----|----|----|----|----|
| SORT KEY   | AGENCY      | AIR BASIN | M 10 | STREET          | BEGIN                | END                 | Type of Imprvmnt. | RTP PROJECT ID/Other ID | COST (RTP, Other) | 17  | 20 | 21 | 23 | 25 | 31 | 35 | 40 |
| 674  | Kern County | SJV       |      | 7th STANDARD RD | ALLEN                | OLD FARM            | Add Lanes         | KER08RTP005             | \$57,000,000      | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 675  | Kern County | SJV       |      | 7th STANDARD RD | OLD FARM             | JEWETTA             | Add Lanes         | KER08RTP005             | \$57,000,000      | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 676  | Kern County | SJV       |      | 7th STANDARD RD | CALLOWAY             | RIVERLAKES          | Add Lanes         | KER08RTP005             | \$57,000,000      | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 677  | Kern County | SJV       |      | 7th STANDARD RD | RIVERLAKES           | COFFEE              | Add Lanes         | KER08RTP005             | \$57,000,000      | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 678  | Kern County | SJV       |      | 7th STANDARD RD | COFFEE               | SR99                |                   |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 679  | Kern County | SJV       |      | 7th STANDARD RD | SR99                 | SR99                |                   |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 680  | Kern County | SJV       |      | 7th STANDARD RD | SR99                 | SR85                |                   |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 681  | Kern County | SJV       |      | 7th STANDARD RD | SR85                 | PEGASUS             |                   |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 682  | Kern County | SJV       |      | 7th STANDARD RD | PEGASUS              | WINGS WAY           |                   |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 683  | Kern County | SJV       |      | 7th STANDARD RD | WINGS WAY            | AIRPORT             | Add Lanes         | Local                   |                   | 1   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 684  | Kern County | SJV       |      | 7th STANDARD RD | AIRPORT              | MC CRAY             |                   |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 685  | Kern County | SJV       |      | 7th STANDARD RD | MC CRAY              | CHESTER             |                   |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 686  | Kern County | MD        |      | 90TH WEST       | ROSAMOND             | HOLIDAY             | Add Lanes         | Local                   |                   | 1   |    |    |    | 1  |    | 2  | 2  |
| 687  | Kern County | MD        |      | 90TH WEST       | HOLIDAY              | GASKELL             | Add Lanes         | Local                   |                   | 1   |    |    |    | 1  |    | 2  | 2  |
| 688  | Kern County | MD        |      | 90TH WEST       | GASKELL              | A AVE               | Add Lanes         | Local                   |                   | 1   |    |    |    | 1  |    | 2  | 2  |
| 689  | Kern County | SJV       |      | AIRPORT         | 7TH STANDARD         | DAY                 | Add Lanes         | Local                   |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 690  | Kern County | SJV       |      | AIRPORT         | DAY                  | SKYWAY              | Add Lanes         | Local                   |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 691  | Kern County | SJV       |      | AIRPORT         | SKYWAY               | NORRIS              |                   |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 692  | Kern County | SJV       |      | AIRPORT         | NORRIS               | DECATUR/OLIVE       | Add Lanes         | Local                   |                   | 2   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 693  | Kern County | SJV       |      | AIRPORT         | DECATUR/OLIVE        | ROBERTS LN          | Add Lanes         | Local                   |                   | 2   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 694  | Kern County | SJV       |      | AIRPORT         | ROBERTS LN           | STATE RD            |                   |                         |                   | 2   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 695  | Kern County | SJV       |      | ALLEN           | NORIEGA              | HAGEMAN             |                   |                         |                   | 1   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 696  | Kern County | SJV       |      | ALLEN           | HAGEMAN              | MEACHAM             | Add Lanes         | Local                   |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 697  | Kern County | SJV       |      | ALLEN           | MEACHAM              | SR58                | Add Lanes         | Local                   |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 698  | Bakersfield | SJV       |      | ASHE RD         | SR 119               | Curnow Road         |                   |                         |                   | 1   | 1  | 1  | 1  | 2  | 2  | 2  | 2  |
| 699  | Kern County | SJV       |      | BRECKENRIDGE RD | SR 184/Morning Drive | VINELAND RD         |                   |                         |                   | 1   | 1  | 1  | 1  | 1  | 2  | 2  | 2  |
| 700  | Kern County | SJV       |      | BRECKENRIDGE RD | VINELAND RD          | Edison /Masterson   |                   |                         |                   | 1   | 1  | 1  | 1  | 1  | 2  | 2  | 2  |
| 701  | Kern County | SJV       |      | BRECKENRIDGE RD | Edison /Masterson    | BEAUJOLIAS          |                   |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 702  | Kern County | SJV       |      | BRECKENRIDGE RD | BEAUJOLIAS           | COMANCHE DR         |                   |                         |                   | 0   | 0  | 0  | 0  | 0  | 1  | 1  | 1  |
| 703  | Kern County | SJV       |      | CALLOWAY        | 7TH STANDARD         | ETCHART             | Add Lanes         | Local                   |                   | 1   | 1  | 1  | 1  | 2  | 2  | 2  | 2  |
| 704  | Kern County | SJV       |      | CALLOWAY        | SR58                 | HOLLAND ST          | Add Lanes         | Local                   |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 705  | Kern County | SJV       |      | CALLOWAY        | HOLLAND ST           | PALM                |                   |                         |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 706  | Kern County | SJV       |      | CALLOWAY        | PALM                 | BRIMHALL            | Add Lanes         | Local                   |                   | 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 707  | Kern County | SJV       |      | CALIFORNIA      | WASHINGTON           | MT VERNON           |                   |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 708  | Kern County | SJV       |      | CALIFORNIA      | MT VERNON            | EDISON              |                   |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 709  | Kern County | SJV       |      | CHASE AVE       | Masterson Street     | COMANCHE DR         |                   |                         |                   | 0   | 0  | 0  | 0  | 1  | 1  | 1  | 1  |
| 710  | Kern County | SJV       |      | CHINA GRADE     | CHESTER              | MANOR               |                   |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 711  | Kern County | SJV       |      | CHINA GRADE     | MANOR                | MONTE CRISTO        | Add Lanes         | Local                   |                   | 1   | 1  | 1  | 1  | 1  | 2  | 2  | 2  |
| 712  | Kern County | SJV       |      | CHINA GRADE     | MONTE CRISTO         | CHINA GRADE LOOP/RO | Add Lanes         | Local                   |                   | 1   | 1  | 1  | 1  | 1  | 2  | 2  | 2  |
| 713  | Kern County | SJV       |      | CHINA GRADE     | CHINA GRADE LOOP/RO  | ALFRED HARRELL      | Add Lanes         | Local                   |                   | 1   | 1  | 1  | 1  | 1  | 2  | 2  | 2  |
| 714  | Kern County | IWV       |      | CHINA LAKE BL   | SPRINGER             | MAHAN               |                   |                         |                   | 1   |    |    |    | 1  |    | 1  | 1  |
| 715  | Kern County | IWV       |      | CHINA LAKE BL   | MAHAN                | SR395               |                   |                         |                   | 1   |    |    |    | 1  |    | 1  | 1  |
| 716  | Kern County | SJV       |      | COFFEE          | SNOW                 | NORRIS              | Add Lanes         | Local                   |                   | 1   | 2  | 2  | 2  | 2  | 3  | 3  | 3  |

*Kern Council of Governments 2015 Conformity Analysis: 2008 Ozone and 2012 PM2.5*

| Appendix B - Highway Project Listing on Regionally Significant Route Segments and Year Number of Lanes Modeled |             |           |      |               |                        |                        |                   |                         |                   |   |     |     |     |     |     |     |     |
|--|-------------|-----------|------|---------------|------------------------|------------------------|-------------------|-------------------------|-------------------|---|-----|-----|-----|-----|-----|-----|-----|
| SORT KEY   | AGENCY      | AIR BASIN | M 10 | STREET        | BEGIN                  | END                    | Type of Imprvmnt. | RTP PROJECT ID/Other ID | COST (RTP, Other) | Year number of lanes modeled (each direction) |     |     |     |     |     |     |     |
|  |             |           |      |               |                        |                        |                   |                         |                   | 17  | 20  | 21  | 23  | 25  | 31  | 35  | 40  |
| 717  | Kern County | SJV       |      | COMANCHE DR   | Alfred Harrell Highway | SR 58                  |                   |                         |                   | 1   | 1   | 1   | 1   | 1   | 2   | 2   | 2   |
| 718  | Kern County | SJV       |      | COMANCHE DR   | SR 58                  | MULLER                 |                   |                         |                   | 1   | 1   | 1   | 1   | 1   | 2   | 2   | 2   |
| 719  | Kern County | SJV       |      | EDISON RD     | SR 178                 | BRECKENRIDGE RD        |                   |                         |                   | 1   | 1   | 1   | 1   | 1   | 1   | 2   | 2   |
| 720  | Kern County | SJV       |      | EDISON RD     | BRECKENRIDGE RD        | Edison Highway         |                   |                         |                   | 1   | 1   | 1   | 1   | 1   | 2   | 2   | 2   |
| 721  | Kern County | SJV       |      | FAIRFAX RD    | SR 58                  | REDBANK RD             |                   |                         |                   | 1   | 2   | 2   | 2   | 2   | 2   | 2   | 2   |
| 722  | Kern County | SJV       |      | FRUITVALE AVE | SNOW                   | NORRIS                 |                   |                         |                   | 1   | 2   | 2   | 2   | 2   | 2   | 2   | 2   |
| 723  | Kern County | SJV       |      | FRUITVALE AVE | HAGEMAN RD             | SR 58/Rosedale Highway |                   |                         |                   | 1   | 1   | 1   | 1   | 1   | 2   | 2   | 2   |
| 724  | Kern County | SJV       |      | GILMORE       | FRUITVALE AVE          | LANDCO                 |                   |                         |                   | 0   | 0   | 0   | 0   | 0   | 1   | 1   | 1   |
| 725  | Kern County | SJV       |      | GOSFORD       | SR119                  | CURNOW                 |                   |                         |                   | 1   | 1   | 1   | 1   | 1   | 2   | 2   | 2   |
| 726  | Kern County | SJV       |      | HAGEMAN       | NORD RD                | WEGIS AVE              |                   |                         |                   | 1   | 1   | 2   | 2   | 2   | 2   | 2   | 2   |
| 727  | Kern County | SJV       |      | HAGEMAN       | WEGIS AVE              | HEATH RD               |                   |                         |                   | 1   | 1   | 1   | 1   | 1   | 2   | 2   | 2   |
| 728  | Kern County | SJV       |      | HAGEMAN       | HEATH RD               | RUDD                   |                   |                         |                   | 1   | 1   | 1   | 1   | 1   | 2   | 2   | 2   |
| 729  | Kern County | SJV       |      | HAGEMAN       | RUDD                   | RENFRO                 |                   |                         |                   | 1   | 1   | 1   | 1   | 1   | 2   | 2   | 2   |
| 730  | Kern County | SJV       |      | HAGEMAN       | RENFRO                 | JENKINS                |                   |                         |                   | 1   | 1   | 1   | 1   | 1   | 2   | 2   | 2   |
| 731  | Kern County | SJV       |      | HAGEMAN       | JENKINS                | SANTA FE               |                   |                         |                   | 3/2   | 3/2 | 3/2 | 3/2 | 3/2 | 3/2 | 3/2 | 3/2 |
| 732  | Kern County | SJV       |      | HAGEMAN       | SANTA FE               | ALLEN                  |                   |                         |                   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   |
| 733  | Kern County | SJV       |      | HEATH RD      | HAGEMAN RD             | SR 58/Rosedale Highway |                   |                         |                   | 1   | 2   | 2   | 2   | 2   | 2   | 2   | 2   |
| 734  | Kern County | SJV       |      | HEATH RD      | SR 58/Rosedale Highway | Stockdale Highway      |                   |                         |                   | 1   | 1   | 1   | 1   | 1   | 2   | 2   | 2   |
| 735  | Kern County | SJV       |      | LANDCO DR     | HAGEMAN RD             | OLIVE DR               |                   |                         |                   | 0   | 1   | 1   | 1   | 1   | 1   | 2   | 2   |
| 736  | Kern County | SJV       |      | MANOR         | MC CRAY                | CHESTER                |                   |                         |                   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   |
| 737  | Kern County | SJV       |      | MANOR         | CHESTER                | DAY                    |                   |                         |                   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   |
| 738  | Kern County | SJV       |      | MANOR         | DAY                    | CHINA GRADE LOOP       |                   |                         |                   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   |
| 739  | Kern County | SJV       |      | MANOR         | CHINA GRADE LOOP       | NORRIS                 |                   |                         |                   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   |
| 740  | Kern County | SJV       |      | MANOR         | NORRIS                 | ROBERTS LN             |                   |                         |                   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   |
| 741  | Kern County | SJV       |      | MEACHAM       | RENFRO RD              | JENKINS RD             |                   |                         |                   | 1   | 1   | 1   | 1   | 1   | 2   | 2   | 2   |
| 742  | Kern County | SJV       |      | MEACHAM       | JENKINS RD             | ALLEN                  |                   |                         |                   | 1   | 2   | 2   | 2   | 2   | 2   | 2   | 2   |
| 743  | Kern County | SJV       |      | MOHAWK        | HAGEMAN                | DOWNING                |                   |                         |                   | 0   | 3   | 3   | 3   | 3   | 3   | 3   | 3   |
| 744  | Kern County | SJV       |      | MOHAWK        | DOWNING                | SR58                   |                   |                         |                   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   |
| 745  | Kern County | SJV       |      | MT VERNON     | SR178                  | BERNARD                |                   |                         |                   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   |
| 746  | Kern County | SJV       |      | MT VERNON     | BERNARD                | COLLEGE                |                   |                         |                   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   |
| 747  | Kern County | SJV       |      | MT VERNON     | COLLEGE                | FLOWER                 |                   |                         |                   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   |
| 748  | Kern County | SJV       |      | MT VERNON     | FLOWER                 | NILES                  |                   |                         |                   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   |
| 749  | Kern County | SJV       |      | MT VERNON     | NILES                  | KENTUCKY               |                   |                         |                   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   |
| 750  | Kern County | SJV       |      | MT VERNON     | KENTUCKY               | EDISON HWY             |                   |                         |                   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   |
| 751  | Kern County | SJV       |      | MT VERNON     | EDISON HWY             | CALIFORNIA             |                   |                         |                   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   |
| 752  | Kern County | SJV       |      | MT VERNON     | CALIFORNIA             | VIRGINIA               |                   |                         |                   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   |
| 753  | Kern County | SJV       |      | MT VERNON     | VIRGINIA               | BRUNDAGE               |                   |                         |                   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   |
| 754  | Kern County | SJV       |      | NO. CHESTER   | BEARDSLEY              | ROBERTS LN             |                   |                         |                   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   |
| 755  | Kern County | SJV       |      | NO. CHESTER   | ROBERTS LN             | DECATUR                |                   |                         |                   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   |
| 756  | Kern County | SJV       |      | NO. CHESTER   | DECATUR                | NORRIS                 |                   |                         |                   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   |
| 757  | Kern County | SJV       |      | NO. CHESTER   | NORRIS                 | CHINA GRADE LOOP       |                   |                         |                   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   |
| 758  | Kern County | SJV       |      | NO. CHESTER   | CHINA GRADE LOOP       | DAY                    |                   |                         |                   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   |
| 759  | Kern County | SJV       |      | NO. CHESTER   | DAY                    | MANOR                  |                   |                         |                   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   |

Kern Council of Governments 2015 Conformity Analysis: 2008 Ozone and 2012 PM2.5

| Appendix B - Highway Project Listing on Regionally Significant Route Segments and Year Number of Lanes Modeled |             |           |      |                 |                     |                          |                  |                         |                   | Year number of lanes modeled (each direction) |    |    |    |    |    |    |    |
|--|-------------|-----------|------|-----------------|---------------------|--------------------------|------------------|-------------------------|-------------------|---|----|----|----|----|----|----|----|
| SORT KEY   | AGENCY      | AIR BASIN | M 10 | STREET          | BEGIN               | END                      | Type of Imprvmt. | RTP PROJECT ID/Other ID | COST (RTP, Other) | 17  | 20 | 21 | 23 | 25 | 31 | 35 | 40 |
| 760  | Kern County | SJV       |      | NILES           | MONTEREY            | MT VERNON                |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 761  | Kern County | SJV       |      | NILES           | MT VERNON           | OSWELL                   |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 762  | Kern County | SJV       |      | NILES           | OSWELL              | STERLING RD              |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 763  | Kern County | SJV       |      | NILES           | STERLING RD         | FAIRFAX                  |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 764  | Kern County | SJV       |      | NILES           | FAIRFAX             | BRENTWOOD                |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 765  | Kern County | SJV       |      | NILES           | BRENTWOOD           | PARK DR                  |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 766  | Kern County | SJV       |      | NILES           | PARK DR             | SR184                    |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 767  | Kern County | SJV       |      | NORRIS RD       | CHESTER AVE         | MANOR                    |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 2  | 2  | 2  |
| 768  | Kern County | SJV       |      | NORRIS RD       | SR 99               | AIRPORT DR               |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 2  | 2  | 2  |
| 769  | Kern County | MD        |      | OLD 58          | ROSEWOOD            | SR58BYPASS               |                  |                         |                   | 2   |    |    |    | 2  |    | 2  | 2  |
| 770  | Kern County | MD        |      | OLD 58          | ARROYO              | ROSEWOOD                 |                  |                         |                   | 2   |    |    |    | 2  |    | 2  | 2  |
| 771  | Kern County | MD        |      | OLD 58          | SR14                | ARROYO                   |                  |                         |                   | 2   |    |    |    | 2  |    | 2  | 2  |
| 772  | Kern County | MD        |      | OLD 58          | SR14                | UNITED                   |                  |                         |                   | 2   |    |    |    | 2  |    | 2  | 2  |
| 773  | Kern County | MD        |      | OLD 58          | UNITED              | 5TH ST                   |                  |                         |                   | 2   |    |    |    | 2  |    | 2  | 2  |
| 774  | Kern County | MD        |      | OLD 58          | 5TH                 | SR58BYPASS               |                  |                         |                   | 2   |    |    |    | 2  |    | 2  | 2  |
| 775  | Kern County | SJV       |      | OLD RIVER       | MCCUTCHEM(HOSKING)  | SR119                    |                  |                         |                   | 1   | 1  | 1  | 1  | 2  | 2  | 2  | 2  |
| 776  | Kern County | SJV       |      | OLD RIVER       | SR119               | CURNOW                   |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 2  | 2  | 2  |
| 777  | Kern County | SJV       |      | OSWELL          | BERNARD             | COLLEGE                  | Add Lanes        | Local                   |                   | 2   | 2  | 2  | 2  | 2  | 3  | 3  | 3  |
| 778  | Kern County | SJV       |      | OSWELL          | COLLEGE             | NILES                    | Add Lanes        | Local                   |                   | 2   | 2  | 2  | 2  | 2  | 3  | 3  | 3  |
| 779  | Kern County | SJV       |      | OSWELL          | NILES               | KENTUCKY                 | Add Lanes        | Local                   |                   | 2   | 2  | 2  | 2  | 2  | 3  | 3  | 3  |
| 780  | Kern County | SJV       |      | OSWELL          | KENTUCKY            | PIONEER DR               | Add Lanes        | Local                   |                   | 2   | 2  | 2  | 2  | 2  | 3  | 3  | 3  |
| 781  | Kern County | SJV       |      | OSWELL          | PIONEER DR          | EDISON HWY               | Add Lanes        | Local                   |                   | 2   | 2  | 2  | 2  | 2  | 3  | 3  | 3  |
| 782  | Kern County | SJV       |      | OSWELL          | EDISON HWY          | VIRGINIA                 | Add Lanes        | Local                   |                   | 2   | 2  | 2  | 2  | 2  | 3  | 3  | 3  |
| 783  | Kern County | SJV       |      | OSWELL          | VIRGINIA            | BRUNDAGE                 | Add Lanes        | Local                   |                   | 2   | 2  | 2  | 2  | 2  | 3  | 3  | 3  |
| 784  | Kern County | SJV       |      | OSWELL          | WHITE LN            | PANAMA LN                |                  |                         |                   | 0   | 0  | 0  | 0  | 0  | 1  | 1  | 1  |
| 785  | Kern County | SJV       |      | PANAMA LN       | SR 43/ENOS LN       | RENFRO                   |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 786  | Kern County | SJV       |      | PANAMA LN       | RENFRO              | ALLEN                    | Add Lanes        | Local                   |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 787  | Kern County | MD        |      | RANDBURG CUTOFF | SR14                | SR58BYPASS               |                  |                         |                   | 1   |    |    |    | 1  |    | 1  | 1  |
| 788  | Kern County | SJV       |      | PATTON WAY      | MEANY               | SR 58/Rosedale Highway   |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 2  | 2  |
| 789  | Kern County | SJV       |      | QUAIL CREEK RD  | NORRIS              | SNOW ROAD                |                  |                         |                   | 1   | 1  | 1  | 1  | 2  | 2  | 2  | 2  |
| 790  | Kern County | SJV       |      | REDBANK         | FAIRFAX             | SR 184/Weedpatch Highway |                  |                         |                   | 1   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 791  | Kern County | SJV       |      | RENFRO RD       | REINA               | JOHNSON RD               |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 2  | 2  | 2  |
| 792  | Kern County | MD        |      | ROSAMOND BL     | TEHACHAPI WILLOW SP | 80TH ST                  |                  |                         |                   | 1   |    |    |    | 1  |    | 1  | 1  |
| 793  | Kern County | MD        |      | ROSAMOND BL     | 80TH ST             | 70TH ST                  |                  |                         |                   | 1   |    |    |    | 1  |    | 1  | 1  |
| 794  | Kern County | MD        |      | ROSAMOND BL     | 70TH ST             | 65TH ST                  |                  |                         |                   | 1   |    |    |    | 1  |    | 1  | 1  |
| 795  | Kern County | MD        |      | ROSAMOND BL     | 65TH ST             | 60TH ST                  |                  |                         |                   | 1   |    |    |    | 1  |    | 1  | 1  |
| 796  | Kern County | MD        |      | ROSAMOND BL     | 60TH ST             | 50TH ST                  | Add Lanes        | Local                   |                   | 2   |    |    |    | 2  |    | 2  | 2  |
| 797  | Kern County | MD        |      | ROSAMOND BL     | 50TH ST             | 40TH ST                  | Add Lanes        | Local                   |                   | 3   |    |    |    | 3  |    | 3  | 3  |
| 798  | Kern County | MD        |      | ROSAMOND BL     | 40TH ST             | 30TH ST                  | Add Lanes        | Local                   |                   | 3   |    |    |    | 3  |    | 3  | 3  |
| 799  | Kern County | MD        |      | ROSAMOND BL     | 30TH ST             | 25TH ST                  | Add Lanes        | Local                   |                   | 3   |    |    |    | 3  |    | 3  | 3  |
| 800  | Kern County | MD        |      | ROSAMOND BL     | 25TH ST             | SR14                     | Add Lanes        | Local                   |                   | 3   |    |    |    | 3  |    | 3  | 3  |
| 801  | Kern County | MD        |      | ROSAMOND BL     | SR14                | 20TH ST                  | Add Lanes        | Local                   |                   | 3   |    |    |    | 3  |    | 3  | 3  |
| 802  | Kern County | MD        |      | ROSAMOND BL     | 20TH ST             | SIERRA HWY               | Add Lanes        | Local                   |                   | 3   |    |    |    | 3  |    | 3  | 3  |

Kern Council of Governments 2015 Conformity Analysis: 2008 Ozone and 2012 PM2.5

| Appendix B - Highway Project Listing on Regionally Significant Route Segments and Year Number of Lanes Modeled |                 |           |      |                          |                  |                      |                  |                         |                   | Year number of lanes modeled (each direction) |    |    |    |    |    |    |    |
|--|-----------------|-----------|------|--------------------------|------------------|----------------------|------------------|-------------------------|-------------------|---|----|----|----|----|----|----|----|
| SORT KEY   | AGENCY          | AIR BASIN | M 10 | STREET                   | BEGIN            | END                  | Type of Imprvmt. | RTP PROJECT ID/Other ID | COST (RTP, Other) | 17  | 20 | 21 | 23 | 25 | 31 | 35 | 40 |
| 803  | Kern County     | MD        |      | ROSAMOND BL              | SIERRA HWY       | 15TH ST              | Add Lanes        | Local                   |                   | 3   |    |    |    | 3  |    | 3  | 3  |
| 804  | Kern County     | MD        |      | ROSAMOND BL              | 15TH ST          | 10TH ST              | Add Lanes        | Local                   |                   | 3   |    |    |    | 3  |    | 3  | 3  |
| 805  | Kern County     | SJV       |      | SNOW RD                  | Allen Road       | OLD FARM RD          |                  |                         |                   | 1   | 1  | 1  | 1  | 2  | 2  | 2  | 2  |
| 808  | Kern County     | SJV       |      | SNOW RD                  | OLD FARM RD      | JEWETTA AVE          |                  |                         |                   | 1   | 1  | 1  | 1  | 2  | 2  | 2  | 2  |
| 807  | Kern County     | SJV       |      | SNOW RD                  | CALLOWAY DR      | QUAIL CREEK RD       |                  |                         |                   | 1   | 1  | 1  | 1  | 2  | 2  | 2  | 2  |
| 808  | Kern County     | SJV       |      | SNOW RD                  | QUAIL CREEK RD   | COFFEE RD            |                  |                         |                   | 1   | 1  | 1  | 1  | 2  | 2  | 2  | 2  |
| 809  | Kern County     | SJV       |      | SNOW RD                  | FRUITVALE AVE    | Golden State Highway |                  |                         |                   | 1   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 810  | Kern County     | SJV       |      | SO CHESTER               | WILSON           | MING                 |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 811  | Kern County     | MD        |      | TEHACHAPI WILLOW SPRINGS | IRONE            | ROSAMOND             |                  |                         |                   | 1   |    |    |    | 1  |    | 1  | 1  |
| 812  | Kern County     | MD        |      | TEHACHAPI WILLOW SPRINGS | HAMILTON         | IRONE                |                  |                         |                   | 1   |    |    |    | 1  |    | 1  | 1  |
| 813  | Kern County     | MD        |      | TEHACHAPI WILLOW SPRINGS | HIGHLINE         | DENNISON             |                  |                         |                   | 1   |    |    |    | 1  |    | 1  | 1  |
| 814  | Kern County     | MD        |      | TEHACHAPI WILLOW SPRINGS | ABAJO            | HIGHLINE             |                  |                         |                   | 1   |    |    |    | 1  |    | 1  | 1  |
| 815  | Kern County     | SJV       |      | UNION                    | BELLE TERRACE    | MING                 | Add Lanes        | Local                   |                   | 2   | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 816  | Kern County     | SJV       |      | UNION                    | WHITE LN         | FACHECO              | Add Lanes        | Local                   |                   | 2   | 2  | 2  | 2  | 2  | 3  | 3  | 3  |
| 817  | Kern County     | SJV       |      | UNION                    | HOSKING          | MC KEE               | Add Lanes        | Local                   |                   | 2   | 2  | 2  | 2  | 2  | 3  | 3  | 3  |
| 818  | Kern County     | SJV       |      | UNION                    | MC KEE           | SR119                | Add Lanes        | Local                   |                   | 2   | 2  | 2  | 2  | 2  | 3  | 3  | 3  |
| 819  | Kern County     | SJV       |      | VERDUGO LN               | MEACHAM          | ROSEDALE HIGHTWAY    |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 820  | Kern County     | SJV       |      | VINELAND RD              | SR 58            | EDISON HIGHWAY       |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 2  | 2  |
| 821  | Kern County     | SJV       |      | VINELAND RD              | EDISON HIGHWAY   | Eucalyptus Drive     |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 2  | 2  |
| 822  | Kern County     | SJV       |      | VINELAND RD              | Eucalyptus Drive | PIONEER DR           |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 2  | 2  |
| 823  | Kern County     | SJV       |      | VINELAND RD              | PIONEER DR       | SR 184/Morning Drive |                  |                         |                   | 0   | 0  | 0  | 0  | 0  | 0  | 1  | 1  |
| 824  | Kern County     | SJV       |      | WHITE LN(MULLER RD)      | OSWELL           | FAIRFAX              |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 2  | 2  | 2  |
| 825  | California City |           |      |                          |                  |                      |                  |                         |                   |   |    |    |    |    |    |    |    |
| 826  | California City | MD        |      | CAL CITY BL              | SR14             | RAILROAD             |                  |                         |                   | 1   |    |    |    | 1  |    | 1  | 1  |
| 827  | California City | MD        |      | CAL CITY BL              | RAILROAD         | BARON BLVD           |                  |                         |                   | 1   |    |    |    | 1  |    | 1  | 1  |
| 828  | California City | MD        |      | CAL CITY BL              | BARON BLVD       | NEURALIA             |                  |                         |                   | 2   |    |    |    | 2  |    | 2  | 2  |
| 829  | California City | MD        |      | CAL CITY BL              | NEURALIA         | HACIENDA             |                  |                         |                   | 2   |    |    |    | 2  |    | 2  | 2  |
| 830  | California City | MD        |      | CAL CITY BL              | RANDBURG MOJAVE  | HACIENDA             |                  |                         |                   | 2   |    |    |    | 2  |    | 2  | 2  |
| 831  | California City | MD        |      | CAL CITY BL              | REDWOOD          | RANDBURG MOJAVE      |                  |                         |                   | 2   |    |    |    | 2  |    | 2  | 2  |
| 832  | California City | MD        |      | CAL CITY BL              | CARSON           | REDWOOD              |                  |                         |                   | 1   |    |    |    | 1  |    | 1  | 1  |
| 833  | Ridgecrest      |           |      |                          |                  |                      |                  |                         |                   |   |    |    |    |    |    |    |    |
| 834  | Ridgecrest      | IWV       |      | CHINA LAKE BL            | RIDGECREST BLVD  | UPJOHN               |                  |                         |                   |   |    |    |    |    |    |    |    |
| 835  | Ridgecrest      | IWV       |      | CHINA LAKE BL            | UPJOHN           | BOWMAN RD            |                  |                         |                   |   |    |    |    |    |    |    |    |
| 836  | Ridgecrest      | IWV       |      | CHINA LAKE BL            | BOWMAN RD        | COLLEGE HEIGHTS      |                  |                         |                   |   |    |    |    |    |    |    |    |
| 837  | Ridgecrest      | IWV       |      | CHINA LAKE BL            | COLLEGE HEIGHTS  | DOLPHIN              |                  |                         |                   |   |    |    |    |    |    |    |    |
| 838  | Ridgecrest      | IWV       |      | CHINA LAKE BL            | DOLPHIN          | DOWNS                |                  |                         |                   |   |    |    |    |    |    |    |    |
| 839  | Ridgecrest      | IWV       |      | CHINA LAKE BL            | DOWNS            | SPRINGER             |                  |                         |                   |   |    |    |    |    |    |    |    |
| 840  | Shafter         |           |      |                          |                  |                      |                  |                         |                   |   |    |    |    |    |    |    |    |
| 841  | Shafter         | SJV       |      | LERDO HWY                | POPLAR           | SHAFTER              |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 842  | Shafter         | SJV       |      | LERDO HWY                | SHAFTER          | SR43                 |                  |                         |                   | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 843  | Shafter         | SJV       |      | LERDO HWY                | SR43             | MANNEL               |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 844  | Shafter         | SJV       |      | LERDO HWY                | MANNEL           | BEECH                |                  |                         |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 845  | Shafter         | SJV       |      | LERDO HWY                | BEECH            | CHERRY               |                  | Local                   |                   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  |

| Appendix B - Highway Project Listing on Regionally Significant Route Segments and Year Number of Lanes Modeled |         |              |         |           |         |         |                  |                            |                      |  |    |    |    |    |    |    |    |
|--|---------|--------------|---------|-----------|---------|---------|------------------|----------------------------|----------------------|--|----|----|----|----|----|----|----|
|  |         |              |         |           |         |         |                  |                            |                      | Year number of lanes modeled<br>(each direction) |    |    |    |    |    |    |    |
| SORT<br>KEY  | AGENCY  | AIR<br>BASIN | M<br>10 | STREET    | BEGIN   | END     | Type of Imprvmt. | RTP PROJECT<br>ID/Other ID | COST (RTP,<br>Other) | 17   | 20 | 21 | 23 | 25 | 31 | 35 | 40 |
| 846  | Shafter | SJV          |         | LERDO HWY | CHERRY  | ZACHARY | Add Lanes        | Local                      |                      | 2  | 2  | 2  | 2  | 2  | 3  | 3  | 3  |
| 847  | Shafter | SJV          |         | LERDO HWY | ZACHARY | ZERKER  | Add Lanes        | Local                      |                      | 2  | 2  | 2  | 2  | 2  | 3  | 3  | 3  |
| 848  | Shafter | SJV          |         | LERDO HWY | ZERKER  | SR99    | Add Lanes        |                            |                      | 2  | 2  | 2  | 2  | 2  | 3  | 3  | 3  |

**Transportation Project Listing - Exempt Projects**

| Jurisdiction/<br>Agency | TIP<br>Project ID | CTIPS ID<br>(If available) | Description   | Est. Cost   | Exempt<br>Code<br>(per<br>CTIPS) | Air Basins  |
|-------------------------|-------------------|----------------------------|---|-------------|----------------------------------|-------------|
| Arvin                   | KER050501         | 20400000294                | IN ARVIN: INSTALL NEW COMPRESSOR, NEW VESSELS AND NEW ROOF STRUCTURE AT EXISTING CNG STATION                            | \$598,754   | 2.04                             | San Joaquin |
| Arvin                   | KER090401         | 20400000550                | LOCAL STREETS AND ROADS RESURFACING, RECONSTRUCTION OR REHABILITATION AT VARIOUS LOCATIONS (NON-CAPACITY PROJECTS ONLY) | \$792,000   | 1.10                             | San Joaquin |
| Arvin                   | KER110803         | 20400000634                | PURCHASE TWO TYPE VII 30-PASSENGER DIESEL BUSES WITH ADDED A/C UNIT, REPEATER RADIO, FAREBOX, VIDEO SECURITY            | \$500,000   | 2.10                             | San Joaquin |
| Arvin                   | KER120401         | 20400000663                | IN ARVIN: GROUPED PROJECT FOR PAVEMENT RESURFACING AND/OR REHABILITATION (NON-CAPACITY PROJECTS ONLY)                   | \$773,750   | 1.10                             | San Joaquin |
| Arvin                   | KER140401         | 20400000715                | IN ARVIN: GROUPED PROJECT FOR PAVEMENT RESURFACING AND/OR REHABILITATION (NON-CAPACITY PROJECTS ONLY)                   | \$616,288   | 1.10                             | San Joaquin |
| Arvin                   | KER151001         | 20400000768                | IN ARVIN: T02 VARIOUS LOCATIONS; CONSTRUCT SIDEWALK IMPROVEMENTS  | \$680,000   | 3.02                             | San Joaquin |
| Bakersfield             | KER120402         | 20400000652                | IN BAKERSFIELD: GROUPED PROJECT FOR PAVEMENT RESURFACING AND/OR REHABILITATION (NON-CAPACITY PROJECTS ONLY)             | \$8,271,772 | 1.10                             | San Joaquin |
| Bakersfield             | KER120506         | 20400000669                | IN BAKERSFIELD: GROUPED PROJECTS FOR INTERSECTION SIGNALIZATION   | \$1,320,500 | 5.07                             | San Joaquin |
| Bakersfield             | KER120507         | 20400000670                | IN BAKERSFIELD: GROUPED PROJECTS FOR INTERSECTION SIGNALIZATION   | \$839,600   | 5.07                             | San Joaquin |
| Bakersfield             | KER120508         | 20400000671                | IN BAKERSFIELD: GROUPED PROJECTS FOR TRAFFIC CONTROL DEVICES  | \$1,283,150 | 1.07                             | San Joaquin |
| Bakersfield             | KER120511         | 20400000674                | IN BAKERSFIELD: GROUPED PROJECTS FOR SHOULDER IMPROVEMENTS  | \$785,700   | 1.04                             | San Joaquin |
| Bakersfield             | KER121001         | 10400000347                | IN BAKERSFIELD: MT VERNON FROM COLUMBUS ST TO UNIVERSITY AVE; LANDSCAPE IMPROVEMENTS                                    | \$515,565   | 4.12                             | San Joaquin |
| Bakersfield             | KER140402         | 20400000716                | IN BAKERSFIELD: GROUPED PROJECT FOR PAVEMENT RESURFACING AND/OR REHABILITATION (NON-CAPACITY PROJECTS ONLY)             | \$9,683,776 | 1.10                             | San Joaquin |
| Bakersfield             | KER140507         | 20400000735                | IN BAKERSFIELD: GROUPED PROJECTS FOR SAFETY IMPROVEMENTS - SAFER ROADS  | \$1,436,300 | 5.07                             | San Joaquin |

**Transportation Project Listing - Exempt Projects**

| Jurisdiction/<br>Agency | TIP<br>Project ID | CTIPS ID<br>(If available) | Description   | Est. Cost   | Exempt<br>Code<br>(per<br>CTIPS) | Air Basins    |
|-------------------------|-------------------|----------------------------|---|-------------|----------------------------------|---------------|
| Bakersfield             | KER140508         | 20400000736                | IN BAKERSFIELD: MOHAWK ST FROM TRUXTUN AVE TO CALIFORNIA AVE; CONSTRUCT MEDIAN ISLAND                           | \$300,000   | 5.01                             | San Joaquin   |
| Bakersfield             | KER151002         | 20400000769                | IN BAKERSFIELD: FRANK WEST ELEMENTARY SCHOOL; SAFE ROUTES TO SCHOOL IMPROVEMENTS                                | \$312,000   | 3.02                             | San Joaquin   |
| Cal. City               | KER120403         | 20400000653                | IN CALIFORNIA CITY: GROUPED PROJECT FOR PAVEMENT RESURFACING AND/OR REHABILITATION (NON-CAPACITY PROJECTS ONLY) | \$381,698   | 1.10                             | Mojave Desert |
| Cal. City               | KER120513         | 20400000676                | IN CALIFORNIA CITY: CALIFORNIA CITY BLVD (SOUTH) AT HARVARD AVE; CONSTRUCT COLLEGE STATION PARK-AND-RIDE        | \$375,000   | 5.06                             | Mojave Desert |
| Cal. City               | KER140403         | 20400000717                | IN CALIFORNIA CITY: GROUPED PROJECT FOR PAVEMENT RESURFACING AND/OR REHABILITATION (NON-CAPACITY PROJECTS ONLY) | \$361,461   | 1.10                             | Mojave Desert |
| Delano                  | KER120404         | 20400000654                | IN DELANO: GROUPED PROJECT FOR PAVEMENT RESURFACING AND/OR REHABILITATION (NON-CAPACITY PROJECTS ONLY)          | \$1,279,340 | 1.10                             | San Joaquin   |
| Delano                  | KER120514         | 20400000677                | IN DELANO: GROUPED PROJECTS FOR SHOULDER IMPROVEMENTS   | \$808,382   | 1.04                             | San Joaquin   |
| Delano                  | KER140404         | 20400000718                | IN DELANO: GROUPED PROJECT FOR PAVEMENT RESURFACING AND/OR REHABILITATION (NON-CAPACITY PROJECTS ONLY)          | \$1,420,988 | 1.10                             | San Joaquin   |
| Delano                  | KER140521         | 20400000749                | IN DELANO: GROUPED PROJECTS FOR SHOULDER IMPROVEMENTS   | \$843,575   | 1.04                             | San Joaquin   |
| Delano                  | KER141003         | 20400000761                | IN DELANO: SAFETY AND EDUCATION FOR AN ACTIVE DELANO SCHOOL COMMUNITY   | \$393,000   | 4.01                             | San Joaquin   |
| Delano                  | KER150802         | 20400000778                | IN DELANO: OPERATING ASSISTANCE   | \$1,893,468 | 2.01                             | Various       |
| Delano                  | KER150803         | 20400000779                | IN DELANO: PURCHASE OF THREE REPLACEMENT DIESEL BUSES   | \$435,000   | 2.10                             | Various       |
| Delano                  | KER150810         | 20400000787                | IN DELANO: OPERATING ASSISTANCE   | \$1,831,237 | 2.01                             | Various       |
| Delano                  | KER150811         | 20400000788                | IN DELANO: PURCHASE OF THREE REPLACEMENT GAS DIAL-A-RIDE VANS   | \$165,000   | 2.10                             | Various       |
| Delano                  | KER150812         | 20400000789                | IN DELANO: PURCHASE OF THREE REPLACEMENT GAS DIAL-A-RIDE VANS   | \$165,000   | 2.10                             | Various       |
| Delano                  | KER150813         | 20400000790                | IN DELANO: OPERATING ASSISTANCE   | \$1,874,766 | 2.01                             | Various       |

**Transportation Project Listing - Exempt Projects**

| Jurisdiction/<br>Agency | TIP<br>Project ID | CTIPS ID<br>(If available) | Description   | Est. Cost    | Exempt<br>Code<br>(per<br>CTIPS) | Air Basins  |
|-------------------------|-------------------|----------------------------|---|--------------|----------------------------------|-------------|
| Delano                  | KER150814         | 20400000791                | IN DELANO: PURCHASE OF ONE REPLACEMENT CNG DIAL-A-RIDE BUS  | \$110,000    | 2.10                             | Various     |
| Delano                  | KER150815         | 20400000792                | IN DELANO: PURCHASE OF ONE REPLACEMENT CNG DIAL-A-RIDE BUS  | \$110,000    | 2.10                             | Various     |
| GET                     | KER080808         | 20400000534                | SOUTHWEST TRANSIT CENTER UPGRADE  | \$3,500,000  | 2.08                             | San Joaquin |
| GET                     | KER110805         | 20400000638                | AUTOMATED VEHICLE LOCATOR   | \$2,500,000  | 2.04                             | San Joaquin |
| GET                     | KER120502         | 20400000665                | PASSIVE SOLAR ELECTRIC CONVERSION SYSTEM  | \$2,474,337  | 2.06                             | San Joaquin |
| GET                     | KER120503         | 20400000666                | PURCHASE TWO REPLACEMENT CNG OVER THE ROAD COACHES  | \$1,150,000  | 2.10                             | San Joaquin |
| GET                     | KER120504         | 20400000667                | PURCHASE TWO REPLACEMENT CNG BUSES  | \$1,150,000  | 2.10                             | San Joaquin |
| GET                     | KER120802         | 20400000687                | REPLACE BUS SURVEILLANCE SYSTEM   | \$660,000    | 2.04                             | San Joaquin |
| GET                     | KER120803         | 20400000688                | PREVENTATIVE MAINTENANCE  | \$10,982,700 | 2.01                             | San Joaquin |
| GET                     | KER140502         | 20400000730                | IN BAKERSFIELD: ON THE CALIFORNIA STATE UNIVERSITY, BAKERSFIELD CAMPUS; CONSTRUCTION OF A PUBLIC TRANSIT CENTER | \$1,345,100  | 5.06                             | San Joaquin |
| GET                     | KER140503         | 20400000731                | IN BAKERSFIELD: EXPANSION OF PASSIVE SOLAR ELECTRIC CONVERSION SYSTEM   | \$1,624,300  | 2.06                             | San Joaquin |
| GET                     | KER140522         | 20400000750                | IN BAKERSFIELD: PURCHASE OF FIVE REPLACEMENT CNG BUSES  | \$2,823,902  | 2.10                             | San Joaquin |
| GET                     | KER140804         | 20400000756                | IN BAKERSFIELD: PREVENTIVE MAINTENANCE  | \$13,428,100 | 2.01                             | San Joaquin |
| GET                     | KER140805         | 20400000757                | IN BAKERSFIELD: PASSIVE SOLAR POWER   | \$1,200,000  | 2.06                             | San Joaquin |
| GET                     | KER140806         | 20400000758                | IN BAKERSFIELD: FIFTEEN BUS SHELTERS  | \$250,000    | 2.07                             | San Joaquin |
| GET                     | KER150806         | 20400000783                | IN BAKERSFIELD: PURCHASE OF 24 REPLACEMENT CNG BUSES  | \$14,400,000 | 2.10                             | Various     |
| GET                     | KER150807         | 20400000784                | IN BAKERSFIELD: PURCHASE OF FIVE REPLACEMENT CNG PARATRANSIT BUSES  | \$675,000    | 2.10                             | Various     |
| GET                     | KER150808         | 20400000785                | IN BAKERSFIELD: PREVENTIVE MAINTENANCE  | \$7,221,690  | 2.01                             | Various     |
| GET                     | KER150809         | 20400000786                | IN BAKERSFIELD: PREVENTIVE MAINTENANCE  | \$7,582,775  | 2.01                             | Various     |
| KCOG                    | KER140101         | 20400000713                | PLANNING, PROGRAMMING AND MONITORING  | \$1,395,000  | 4.01                             | Various     |
| KCOG                    | KER140414         | 20400000728                | IN KERN COUNTY: REGIONAL TRAFFIC COUNT PROGRAM  | \$180,000    | 4.01                             | Various     |
| KCOG                    | KER140501         | 20400000729                | IN KERN COUNTY: RIDESHARE PROGRAM   | \$438,562    | 3.01                             | Various     |
| KCSS                    | KER140505         | 20400000733                | IN BAKERSFIELD: CNG FUELING STATION EXPANSION   | \$1,388,910  | 2.04                             | Various     |

**Transportation Project Listing - Exempt Projects**

| Jurisdiction/<br>Agency | TIP<br>Project ID | CTIPS ID<br>(If available) | Description   | Est. Cost    | Exempt<br>Code<br>(per<br>CTIPS) | Air Basins    |
|-------------------------|-------------------|----------------------------|---|--------------|----------------------------------|---------------|
| Kern Co.                | KER080113         | 20400000542                | IN KERN COUNTY: ON HAGEMAN ROAD AT BURLINGTON NORTHERN SANTA FE RAILWAY; SEPARATION OF GRADE  | \$35,300,000 | 1.01                             | San Joaquin   |
| Kern Co.                | KER100516         | 20400000616                | NEAR TEHACHAPI: REEVES ST FROM ALTA VISTA TO SR 202; SURFACE UNPAVED STREET   | \$251,250    | 1.10                             | Mojave Desert |
| Kern Co.                | KER101009         | 20400000628                | IN TAFT: ON ASHER AVENUE FROM 4TH STREET TO TAFT RAILS TO TRAILS; SIDEWALK IMPROVEMENTS   | \$275,000    | 3.02                             | San Joaquin   |
| Kern Co.                | KER120405         | 20400000655                | IN KERN COUNTY: GROUPED PROJECT FOR PAVEMENT RESURFACING AND/OR REHABILITATION (NON-CAPACITY PROJECTS ONLY)                             | \$7,344,405  | 1.10                             | Various       |
| Kern Co.                | KER120505         | 20400000668                | PURCHASE FOUR REPLACEMENT CNG BUSES   | \$1,617,724  | 2.10                             | Various       |
| Kern Co.                | KER120510         | 20400000673                | IN BAKERSFIELD: GROUPED PROJECTS FOR INTERSECTION SIGNALIZATION   | \$1,145,000  | 5.07                             | San Joaquin   |
| Kern Co.                | KER120515         | 20400000678                | IN TEHACHAPI: ROOST AVE FROM BEAR VALLEY RD TO END; SURFACE UNPAVED STREET  | \$375,000    | 1.10                             | Mojave Desert |
| Kern Co.                | KER120516         | 20400000679                | IN ROSAMOND: SWEETSER RD FROM 65TH ST WEST TO 60TH ST WEST; SURFACE UNPAVED STREET  | \$250,000    | 1.10                             | Mojave Desert |
| Kern Co.                | KER120517         | 20400000680                | IN ROSAMOND: 60TH ST WEST FROM SWEETSER RD TO FAVORITO AVE; SURFACE UNPAVED STREET  | \$250,000    | 1.10                             | Mojave Desert |
| Kern Co.                | KER120518         | 20400000681                | IN KERN COUNTY: GROUPED PROJECTS FOR SHOULDER IMPROVEMENTS  | \$3,419,310  | 1.04                             | San Joaquin   |
| Kern Co.                | KER121002         | 10400000348                | IN RIDGECREST: COLLEGE HEIGHTS BLVD FROM DOLPHIN AVE TO CERRO COSO COMMUNITY COLLEGE; CONSTRUCT PEDESTRIAN PATH AND LANDSCAPE IMPROVE   | \$473,000    | 4.12                             | Indian Wells  |
| Kern Co.                | KER121003         | 10400000340                | IN BAKERSFIELD: CHESTER AVE FROM KERN RIVER PARKWAY TO OILDALE TOWN CENTER; CONSTRUCT SIDEWALK  | \$380,000    | 4.12                             | San Joaquin   |
| Kern Co.                | KER121004         | 10400000341                | IN TEHACHAPI: TEHACHAPI CUMMINGS WATER DISTRICT PROPERTY FROM HIGHLINE RD TO VALLEY BLVD; CONSTRUCT BIKE/PEDESTRIAN PATH                | \$504,000    | 4.12                             | Mojave Desert |
| Kern Co.                | KER121005         | 10400000342                | IN ROSAMOND: DIAMOND ST FROM ROSAMOND BLVD TO ORANGE ST; CON SIDEWALK & LANDSCAPE IMPROVEMENTS, STREETLIGHTS, RESTRIPE RD, & BIKE LANES | \$1,300,000  | 4.12                             | Mojave Desert |

**Transportation Project Listing - Exempt Projects**

| Jurisdiction/<br>Agency | TIP<br>Project ID | CTIPS ID<br>(If available) | Description  | Est. Cost    | Exempt<br>Code<br>(per<br>CTIPS) | Air Basins    |
|-------------------------|-------------------|----------------------------|--|--------------|----------------------------------|---------------|
| Kern Co.                | KER121006         | 10400000344                | IN AND NEAR LOST HILLS: SR 46 FROM 0.1 MILE WEST OF CALIFORNIA AQUEDUCT TO LOST HILLS RD; CONSTRUCT SIDEWALK | \$351,000    | 4.12                             | San Joaquin   |
| Kern Co.                | KER121007         | 10400000345                | IN BAKERSFIELD: BERNARD ST FROM HALEY ST TO MT VERNON AVE; CONSTRUCT SIDEWALKS                               | \$316,000    | 4.12                             | San Joaquin   |
| Kern Co.                | KER140405         | 20400000719                | IN KERN COUNTY: GROUPED PROJECT FOR PAVEMENT RESURFACING AND/OR REHABILITATION (NON-CAPACITY PROJECTS ONLY)  | \$7,608,238  | 1.10                             | San Joaquin   |
| Kern Co.                | KER140504         | 20400000732                | IN KERN COUNTY: PURCHASE FOUR REPLACEMENT CNG COACHES  | \$2,067,518  | 2.10                             | Various       |
| Kern Co.                | KER140506         | 20400000734                | IN BAKERSFIELD: GROUPED PROJECTS FOR INTERSECTION SIGNALIZATION  | \$1,850,000  | 5.02                             | San Joaquin   |
| Kern Co.                | KER140509         | 20400000737                | IN KERN COUNTY: GROUPED PROJECTS FOR SHOULDER IMPROVEMENTS   | \$10,850,000 | 1.04                             | San Joaquin   |
| Kern Co.                | KER140514         | 20400000742                | IN TEHACHAPI: UMTALI RD FROM UMFALOZI RD TO SAND CANYON RD; SURFACE UNPAVED STREET                           | \$1,250,000  | 1.10                             | Mojave Desert |
| Kern Co.                | KER140515         | 20400000743                | IN INYOKERN: NEAL RD FROM SR 395 TO BROWN RD; SURFACE UNPAVED STREET   | \$950,000    | 1.10                             | Mojave Desert |
| Kern Co.                | KER140516         | 20400000744                | NEAR BUTTONWILLOW: SULLIVAN RD FROM CANNON ST TO BUSSELL RD; SURFACE UNPAVED STREET                          | \$500,000    | 1.10                             | San Joaquin   |
| Kern Co.                | KER140517         | 20400000745                | NEAR BUTTONWILLOW: CANNON ST FROM SR58 TO SULLIVAN RD; SURFACE UNPAVED STREET                                | \$500,000    | 1.10                             | San Joaquin   |
| Kern Co.                | KER141004         | 20400000762                | NORTH OF BAKERSFIELD: HIGHLAND ELEMENTARY; CONSTRUCT PEDESTRIAN IMPROVEMENTS                                 | \$330,000    | 3.02                             | San Joaquin   |
| Kern Co.                | KER141005         | 20400000763                | IN BAKERSFIELD: HORACE MANN ELEMENTARY; CONSTRUCT PEDESTRIAN IMPROVEMENTS                                    | \$372,000    | 3.02                             | San Joaquin   |
| Kern Co.                | KER151003         | 20400000770                | IN BAKERSFIELD: STIERN MIDDLE SCHOOL; CONSTRUCT PEDESTRIAN IMPROVEMENTS                                      | \$150,000    | 3.02                             | San Joaquin   |
| Kern Co.                | KER151004         | 20400000771                | IN KERN COUNTY: MOJAVE; CONSTRUCT PEDESTRIAN IMPROVEMENTS  | \$640,000    | 3.02                             | Mojave Desert |
| McFarland               | KER120406         | 20400000656                | IN MCFARLAND: W KERN AVE FROM WEST OF FRONTAGE RD TO EAST OF 2ND ST; PEDESTRIAN / LANDSCAPE IMPROVEMENTS     | \$353,433    | 4.09                             | San Joaquin   |
| McFarland               | KER140406         | 20400000720                | IN MCFARLAND: KERN AVE: 2ND ST TO 3RD ST; LANDSCAPING AND PEDESTRIAN IMPROVEMENTS                            | \$398,510    | 4.09                             | San Joaquin   |

**Transportation Project Listing - Exempt Projects**

| Jurisdiction/<br>Agency | TIP<br>Project ID | CTIPS ID<br>(If available) | Description  | Est. Cost     | Exempt<br>Code<br>(per<br>CTIPS) | Air Basins   |
|-------------------------|-------------------|----------------------------|--|---------------|----------------------------------|--------------|
| McFarland               | KER140510         | 20400000738                | IN MCFARLAND: ALONG ELMO HWY AND BROWNING RD;<br>PAVE SHOULDERS AND INSTALL CLASS II BIKE LANE<br>FACILITIES     | \$306,135     | 1.04                             | San Joaquin  |
| Ridgecrest              | KER120407         | 20400000657                | IN RIDGECREST: GROUPED PROJECT FOR PAVEMENT<br>RESURFACING AND/OR REHABILITATION (NON-CAPACITY<br>PROJECTS ONLY) | \$750,000     | 1.10                             | Indian Wells |
| Ridgecrest              | KER120519         | 20400000682                | IN RIDGECREST: SOUTH SUNLAND DR FROM UPJOHN<br>AVE TO BOWMAN RD; SURFACE UNPAVED STREET                          | \$575,000     | 1.10                             | Indian Wells |
| Ridgecrest              | KER120520         | 20400000683                | IN RIDGECREST: GROUPED PROJECTS FOR<br>INTERSECTION SIGNALIZATION  | \$350,000     | 5.02                             | Indian Wells |
| Ridgecrest              | KER140407         | 20400000721                | IN RIDGECREST: GROUPED PROJECT FOR PAVEMENT<br>RESURFACING AND/OR REHABILITATION (NON-CAPACITY<br>PROJECTS ONLY) | \$765,844     | 1.10                             | Indian Wells |
| Ridgecrest              | KER140512         | 20400000740                | IN RIDGECREST: NORTH WARNER ST FROM DRUMMOND<br>AVE TO WEST HOWELL AVE; SURFACE UNPAVED<br>STREET                | \$307,328     | 1.10                             | Indian Wells |
| Ridgecrest              | KER140520         | 20400000748                | IN RIDGECREST: GRAAF AVE FROM NORTH SIERRA VIEW<br>TO NORTH NORMA ST; SURFACE UNPAVED STREET                     | \$116,578     | 1.10                             | Indian Wells |
| Shafter                 | KER140408         | 20400000722                | IN SHAFTER: GROUPED PROJECT FOR NON-CAPACITY<br>WIDENING (NO ADDITIONAL TRAVEL LANES)                            | \$277,000     | 1.19                             | San Joaquin  |
| Shafter                 | KER140409         | 20400000723                | IN SHAFTER: GROUPED PROJECT FOR PAVEMENT<br>RESURFACING AND/OR REHABILITATION (NON-CAPACITY<br>PROJECTS ONLY)    | \$205,581     | 1.10                             | San Joaquin  |
| State                   | KER120201         | 20400000694                | GROUPED PROJECTS FOR BRIDGE REHABILITATION AND<br>RECONSTRUCTION - SHOPP PROGRAM                                 | \$72,654,000  | 1.19                             | Various      |
| State                   | KER120202         | 20400000695                | GROUPED PROJECTS FOR SAFETY IMPROVEMENTS -<br>SHOPP COLLISION REDUCTION PROGRAM                                  | \$34,701,000  | 1.09                             | Various      |
| State                   | KER120204         | 20400000697                | GROUPED PROJECTS FOR SAFETY IMPROVEMENTS -<br>SHOPP MANDATES PROGRAM   | \$11,115,000  | 1.02                             | Various      |
| State                   | KER120205         | 20400000698                | GROUPED PROJECTS FOR PAVEMENT RESURFACING<br>AND/OR REHABILITATION - SHOPP ROADWAY<br>PRESERVATION PROGRAM       | \$183,443,000 | 1.10                             | Various      |

**Transportation Project Listing - Exempt Projects**

| Jurisdiction/<br>Agency | TIP<br>Project ID | CTIPS ID<br>(If available) | Description  | Est. Cost    | Exempt<br>Code<br>(per<br>CTIPS) | Air Basins  |
|-------------------------|-------------------|----------------------------|--|--------------|----------------------------------|-------------|
| State                   | KER130104         | 20400000707                | NEAR TAFT: ELK HILLS RD TO TUPMAN RD; CONSTRUCT TRUCK CLIMBING LANES   | \$7,584,000  | 1.17                             | San Joaquin |
| State                   | KER130201         | 20400000702                | GROUPED PROJECTS FOR PAVEMENT RESURFACING AND/OR REHABILITATION ON THE STATE HIGHWAY SYSTEM - HIGHWAY MAINTENANCE (toll credits) | \$8,737,500  | 1.10                             | Various     |
| State                   | KER130202         | 20400000703                | GROUPED PROJECTS FOR SAFETY IMPROVEMENTS, SHOULDER IMPROVEMENTS, PAVEMENT RESURFACING AND/OR REHABILITATION - MINOR PROGRAM      | \$2,650,000  | 1.10                             | Various     |
| State                   | KER140201         | 20400000753                | GROUPED PROJECTS FOR PAVEMENT RESURFACING AND/OR REHABILITATION ON THE STATE HIGHWAY SYSTEM - HIGHWAY MAINTENANCE (toll credits) | \$5,796,000  | 1.10                             | Various     |
| State                   | KER140202         | 20400000754                | GROUPED PROJECTS FOR SAFETY IMPROVEMENTS, SHOULDER IMPROVEMENTS, PAVEMENT RESURFACING AND/OR REHABILITATION - MINOR PROGRAM      | \$7,924,000  | 1.10                             | Various     |
| State                   | KER140203         | 20400000755                | GROUPED PROJECTS FOR SAFETY IMPROVEMENTS - SHOPP MOBILITY PROGRAM  | \$6,921,000  | 1.17                             | Various     |
| State                   | KER140410         | 20400000724                | IN MARICOPA: SR 33 AT STANISLAUS ST; INSTALL RECTANGULAR RAPID FLASHING BEACON NEAR PEDESTRIAN CROSSING                          | \$45,000     | 1.07                             | San Joaquin |
| State                   | KER140511         | 20400000739                | SOUTH OF BAKERSFIELD: SR 223 AT SR 184/WHEELER RIDGE RD; OPERATIONAL IMPROVEMENT   | \$1,500,000  | 5.01                             | San Joaquin |
| State                   | KER141001         | 20400000759                | CALIFORNIA TRAILS USERS COALITION: UPDATE AND REPRINT OF ANGELES NATIONAL FOREST AND EL MIRAGE AREAS TRAIL MAP                   | \$19,930     | 1.03                             | Various     |
| State                   | KER141002         | 20400000760                | FRIENDS OF JAWBONE: PURCHASE TRAIL MAINTENANCE EQUIPMENT TO WORK IN JAWBONE CANYON AREA  | \$83,859     | 1.03                             | Various     |
| State                   | KER150201         | 20400000767                | GROUPED PROJECTS FOR EMERGENCY REPAIR - SHOPP EMERGENCY RESPONSE PROGRAM   | \$30,567,000 | 1.12                             | Various     |

**Transportation Project Listing - Exempt Projects**

| Jurisdiction/<br>Agency | TIP<br>Project ID | CTIPS ID<br>(If available) | Description   | Est. Cost   | Exempt<br>Code<br>(per<br>CTIPS) | Air Basins    |
|-------------------------|-------------------|----------------------------|---|-------------|----------------------------------|---------------|
| State                   | KER150202         | 20400000780                | GROUPED PROJECTS FOR PAVEMENT RESURFACING AND/OR REHABILITATION ON THE STATE HIGHWAY SYSTEM - HIGHWAY MAINTENANCE (\$622,793 toll credits as part of match) | \$5,429,750 | 1.10                             | Various       |
| Taft                    | KER101005         | 20400000624                | IN TAFT: ON HILLARD STREET FROM "A" STREET TO RAILS TO TRAILS; CONSTRUCT PEDESTRIAN AND BIKE IMPROVEMENTS   | \$317,000   | 3.02                             | San Joaquin   |
| Taft                    | KER120409         | 20400000659                | IN TAFT: GROUPED PROJECT FOR PAVEMENT RESURFACING AND/OR REHABILITATION (NON-CAPACITY PROJECTS ONLY)  | \$252,797   | 1.10                             | San Joaquin   |
| Taft                    | KER121008         | 10400000346                | IN TAFT: SUNSET RAILROAD CORRIDOR FROM 2ND ST TO SR 119; CONSTRUCT BIKE/PEDESTRIAN PATH   | \$770,000   | 4.12                             | San Joaquin   |
| Taft                    | KER140411         | 20400000725                | IN TAFT: GROUPED PROJECT FOR PAVEMENT RESURFACING AND/OR REHABILITATION (NON-CAPACITY PROJECTS ONLY)  | \$244,347   | 1.10                             | San Joaquin   |
| Taft                    | KER140513         | 20400000741                | IN TAFT: SUPPLY ROW ST BETWEEN S 4TH ST AND S 6TH ST; CONSTRUCT PARK-AND-RIDE   | \$507,744   | 5.06                             | San Joaquin   |
| Tehachapi               | KER120410         | 20400000660                | IN TEHACHAPI: GROUPED PROJECT FOR PAVEMENT RESURFACING AND/OR REHABILITATION (NON-CAPACITY PROJECTS ONLY)   | \$423,692   | 1.10                             | Mojave Desert |
| Tehachapi               | KER120523         | 20400000686                | IN TEHACHAPI: CURRY ST AT VALLEY BLVD; GUTTER REMOVAL   | \$482,000   | 1.02                             | Mojave Desert |
| Tehachapi               | KER121009         | 10400000343                | IN TEHACHAPI: TEHACHAPI BLVD FROM SNYDER AVE TO DENNISON RD; CONSTRUCT SIDEWALK, PEDESTRIAN LIGHTING, & LANDSCAPE IMPROVEMENTS                              | \$547,000   | 4.12                             | Mojave Desert |
| Tehachapi               | KER140412         | 20400000726                | IN TEHACHAPI: GROUPED PROJECT FOR PAVEMENT RESURFACING AND/OR REHABILITATION (NON-CAPACITY PROJECTS ONLY)   | \$379,937   | 1.10                             | Mojave Desert |
| Tehachapi               | KER141006         | 20400000764                | IN TEHACHAPI: SOUTHSIDE OF VALLEY BLVD FROM 110' WEST OF MULBERRY ST TO 95' EAST OF MILL ST; CONSTRUCT CLASS I BIKE PATH                                    | \$1,292,000 | 3.02                             | Mojave Desert |
| Tehachapi               | KER151005         | 20400000772                | IN TEHACHAPI: VARIOUS LOCATIONS; SAFE ROUTES TO SCHOOL IMPROVEMENTS   | \$900,000   | 3.02                             | Mojave Desert |

**Transportation Project Listing - Exempt Projects**

| Jurisdiction/<br>Agency | TIP<br>Project ID | CTIPS ID<br>(If available) | Description  | Est. Cost   | Exempt<br>Code<br>(per<br>CTIPS) | Air Basins  |
|-------------------------|-------------------|----------------------------|--|-------------|----------------------------------|-------------|
| Various                 | KER060601         | 20400000418                | GROUPED PROJECTS FOR BRIDGE REHABILITATION AND RECONSTRUCTION - HIGHWAY BRIDGE PROGRAM (HBP). NON-CAPACITY PROJECTS ONLY. (40 CFR TABLES 2&3) (INCLUDES SEISMIC RETROFIT)                  | \$1,425,000 | 1.19                             | Various     |
| Various                 | KER060608         | 20400000483                | GROUPED PROJECTS FOR SAFETY IMPROVEMENTS - HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP). NON-CAPACITY INCREASING PROJECTS ONLY. (40 CFR TABLES 2&3)   | \$275,200   | 1.06                             | San Joaquin |
| Various                 | KER080602         | 20400000549                | GROUPED PROJECTS FOR SAFETY IMPROVEMENTS - SAFE ROUTES TO SCHOOL FEDERAL PROGRAM. NON-CAPACITY INCREASING PROJECTS ONLY. (40 CFR TABLES 2&3)   | \$536,420   | 3.02                             | San Joaquin |
| Various                 | KER100601         | 20400000571                | GROUPED PROJECTS FOR SAFETY IMPROVEMENTS - HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP). NON-CAPACITY INCREASING PROJECTS ONLY. (40 CFR TABLES 2&3)   | \$230,944   | 1.06                             | San Joaquin |
| Various                 | KER110601         | 20400000637                | GROUPED PROJECTS FOR SAFETY IMPROVEMENTS - HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP). NON-CAPACITY INCREASING PROJECTS ONLY. (40 CFR TABLES 2&3)   | \$733,000   | 1.06                             | Various     |
| Various                 | KER110602         | 20400000643                | GROUPED PROJECTS FOR SAFETY IMPROVEMENTS - SAFE ROUTES TO SCHOOL FEDERAL PROGRAM. NON-CAPACITY INCREASING PROJECTS ONLY. (40 CFR TABLES 2&3)   | \$2,075,400 | 3.02                             | Various     |
| Various                 | KER130801         | 20400000699                | GROUPED PROJECTS FOR OPERATING ASSISTANCE TO TRANSIT AGENCIES  | \$8,568,139 | 2.01                             | Various     |
| Various                 | KER140601         | 20400000710                | GROUPED PROJECTS FOR SAFETY IMPROVEMENTS - HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP). NON-CAPACITY INCREASING PROJECTS ONLY. (40 CFR TABLES 2&3) (\$279,955 toll credits as part of match) | \$3,243,155 | 1.06                             | Various     |
| Various                 | KER140801         | 20400000711                | GROUPED PROJECTS FOR PURCHASE OF OPERATING EQUIPMENT FOR VEHICLES (\$1,606 toll credits as part of match)  | \$14,000    | 2.05                             | Various     |

**Transportation Project Listing - Exempt Projects**

| Jurisdiction/<br>Agency | TIP<br>Project ID | CTIPS ID<br>(If available) | Description  | Est. Cost    | Exempt<br>Code<br>(per<br>CTIPS) | Air Basins  |
|-------------------------|-------------------|----------------------------|--|--------------|----------------------------------|-------------|
| Various                 | KER140802         | 20400000712                | GROUPED PROJECTS FOR PURCHASE OF NEW BUSES AND RAIL CARS TO REPLACE EXISTING VEHICLES OR FOR MINOR EXPANSIONS OF THE FLEET (\$33,837 toll credits as part of match)  | \$295,000    | 2.10                             | Various     |
| Various                 | KER150801         | 20400000777                | GROUPED PROJECTS FOR OPERATING ASSISTANCE TO TRANSIT AGENCIES  | \$16,060,985 | 2.01                             | Various     |
| Various                 | KER150804         | 20400000781                | GROUPED PROJECTS FOR PURCHASE OF OPERATING EQUIPMENT FOR VEHICLES (\$1,670 toll credits as part of match)  | \$14,545     | 2.05                             | Various     |
| Various                 | KER150805         | 20400000782                | GROUPED PROJECTS FOR PURCHASE OF NEW BUSES AND RAIL CARS TO REPLACE EXISTING VEHICLES OR FOR MINOR EXPANSIONS OF THE FLEET (\$113,096 toll credits as part of match) | \$986,000    | 2.10                             | Various     |
| Wasco                   | KER140413         | 20400000727                | IN WASCO: GROUPED PROJECT FOR PAVEMENT RESURFACING AND/OR REHABILITATION (NON-CAPACITY PROJECTS ONLY)  | \$640,928    | 1.10                             | San Joaquin |
| Wasco                   | KER140523         | 20400000751                | IN WASCO: PURCHASE REPLACEMENT CNG REFUSE TRUCK  | \$311,974    | 4.01                             | San Joaquin |
| Wasco                   | KER141007         | 20400000765                | IN WASCO: PALM AVE ELEMENTARY SCHOOL; CONSTRUCT PEDESTRIAN INFRASTRUCTURE IMPROVEMENTS   | \$458,000    | 3.02                             | San Joaquin |
| Wasco                   | KER141008         | 20400000776                | IN WASCO: TERESA BURKE ELEMENTARY SCHOOL & FILBURN AVE; CONSTRUCT BIKE & PEDESTRIAN IMPROVEMENTS   | \$1,794,000  | 3.02                             | San Joaquin |
| Wasco                   | KER151006         | 20400000773                | IN WASCO: KARL CLEMENS & THOMAS JEFFERSON SCHOOLS; CONSTRUCT PEDESTRIAN IMPROVEMENTS   | \$306,000    | 3.02                             | San Joaquin |
| Wasco                   | KER151007         | 20400000774                | IN WASCO: JOHN L PRUEITT SCHOOL; CONSTRUCT BIKE & PEDESTRIAN IMPROVEMENTS  | \$473,000    | 3.02                             | San Joaquin |
| Wasco                   | KER151008         | 20400000775                | IN WASCO: SR 43; CONSTRUCT PEDESTRIAN LIGHTING   | \$593,000    | 3.02                             | San Joaquin |

**APPENDIX C**  
**CONSULTATION CORRESPONDENCE**

July 15, 2015

TO: IAC Partners

CC: SJV MPO Staff & Directors

RE: 2015 Conformity Demonstration for the 2008 Ozone and 2012 PM2.5 Standards for IAC

The purpose of this memo is to transmit the proposed procedures and documentation for the 2015 Conformity Demonstration addressing the 2008 Ozone Standard and the 2012 PM2.5 standards for Interagency Consultation. Transportation network development and conformity analysis is scheduled to be completed in July, 2015. Public review of the 2015 Conformity Demonstration is anticipated to occur also in August/September, followed by MPO adoption in October, 2015. The 2015 Conformity Demonstration for the 2015 FTIP/2014 RTP (as amended if applicable) will be submitted in October for Federal approval to be issued on or before December 31, 2015.

On January 13, 2015, EPA released its proposed *Approval of San Joaquin Valley Plan and Supplement for the 2006 PM2.5 Standard and Proposed Reclassification to Serious for the 2006 PM2.5 Standard*. The proposed approval and reclassification has not been finalized. As a result this document describes two options for the primary and secondary 2006 24-hour PM2.5 standard. Option 1: the proposed approval and reclassification is effective (inclusive of transportation conformity budgets) and Option 2: the proposed approval and reclassification is not effective (inclusive of transportation conformity budgets).

On March 23, 2015, EPA released its *Proposed Rule for Implementing National Ambient Air Quality Standards for Fine Particles*. The implementation rule proposes three options, one of which could revoke the primary 1997 annual PM2.5 standard, while maintaining the secondary 1997 annual PM2.5 standard. The proposed implementation rule has not been finalized. As a result, this document describes two options for the 1997 annual PM2.5 standards. Option 1: the final implementation rule revoking the primary 1997 annual PM2.5 standard is effective prior to MPO board adoption (anticipated October 2015) and Option 2: the proposed implementation rule is not effective prior to MPO board adoption.

Please provide any comments on the proposed approach by COB, Monday, July 20, 2015. **It is requested that EPA and FHWA also provide concurrence.** An interagency consultation conference call will be scheduled upon request.

## REQUIREMENTS

### Ozone

EPA designated the San Joaquin Valley nonattainment area for the 2008 Ozone Standard, effective July 20, 2012. Transportation conformity applies one year after the effective date (July 20, 2013). Federal approval for the eight SJV MPO's 2008 Ozone standard conformity demonstrations was received on July 8, 2013. In addition, the Eastern portion of Kern County, the Mohave Desert, was designated nonattainment and classified Marginal with an attainment date of 2014. It is important to note that the 2014 analysis year is not within the timeframe of the plan.

EPA's final rule implementing the 2008 Ozone Standard also revoked the 1997 Ozone Standard for transportation conformity purposes. This revocation became effective April 6, 2015. The final rule also shifted the San Joaquin Valley 2008 Ozone Standard attainment date from December 31, 2032 to July 20, 2032; the new attainment year of 2031 must be modeled.

The San Joaquin Valley has an EPA approved 2007 Ozone Plan (as revised in 2011) that contains sub-area budgets for ROG and NOx. In addition, EPA published a Notice of Adequacy for the 8-hour Ozone early Progress Plans for Eastern Kern County. In accordance with EPA guidance dated July 2012, if a 2008 Ozone area has adequate or approved SIP budgets that address the 1997 standards, it must use the budget test until 2008 Ozone standard budgets are found adequate or approved.

When using the budget test, the attainment year of the 2008 ozone standard must be analyzed (e.g. 2031). In addition, in areas that have budgets for a previous ozone standard, consistency with those budgets must also be determined. The new attainment year of 2031 must be modeled.

### PM2.5

On January 13, 2013, EPA issued a final rule strengthening the primary 1997 Annual PM2.5 standard to 12 micrograms per cubic meter; maintained the 1997 24-hour PM Standards and secondary 1997 annual PM2.5 standard; and maintained the primary and secondary 2006 24-hour PM2.5 standards, effective March 18, 2013. Conformity applies to all standards.

#### 1997 Annual and 24-hour PM2.5 Standards

On March 23, 2015, EPA released its *Proposed Rule for Implementing National Ambient Air Quality Standards for Fine Particles*. The implementation rule proposes three options, one of which could revoke the primary 1997 annual PM2.5 standard, while maintaining the secondary 1997 annual PM2.5 standard. The proposed implementation rule has not been finalized and it is not clear if the standard will be revoked. Note that a revocation of the 1997 primary annual PM2.5 standard will not remove the obligation to demonstrate conformity for the 1997 24-hour PM2.5 standards. As a result, this document describes two options for the 1997 PM2.5 standards.

*Option 1: Final Implementation Rule Revoking the Primary 1997 Annual PM2.5 Standard is Finalized and Effective*

Under Option 1, conformity to the primary 1997 annual PM2.5 standard will no longer apply, however, conformity to the 1997 24-hour PM2.5 standard would continue to apply.

The San Joaquin Valley has an approved 2008 PM2.5 Plan (as revised in 2011) addressing both versions of the 1997 annual and 24-hour PM2.5 standards that contains sub-area budgets for PM2.5 and NOx. The applicable conformity test is the emissions budget test. The conformity budgets from Table 5 of the November 9, 2011 Federal Register will be used to demonstrate conformity to the 1997 24-hour PM2.5 standard

*Option 2: Final Implementation Rule Revoking the Primary 1997 Annual PM2.5 Standard is Not Finalized and Effective*

Under Option 2, conformity to the primary 1997 annual PM2.5 standard will continue to apply.

The San Joaquin Valley has an approved 2008 PM2.5 (1997 Standard) Plan (as revised in 2011) addressing both versions of the 1997 PM2.5 standards that contains sub-area budgets for PM2.5 and NOx. The applicable conformity test is the emissions budget test. The conformity budgets from Table 5 of the November 9, 2011 Federal Register will be used to demonstrate conformity to both 1997 annual and 24-hour PM2.5 standards.

2006 24-Hour PM2.5 Standards

On January 13, 2015, EPA released its proposed *Approval of San Joaquin Valley Plan and Supplement for the 2006 PM2.5 Standard and Proposed Reclassification to Serious for the 2006 PM2.5 Standard*. In addition, new transportation conformity budgets for the 2006 primary and secondary 24-hour PM2.5 standards are proposed to be approved. At this time, EPA has not finalized the proposed approval of the Plan (including conformity budgets) and reclassification. As a result, this document describes two options to demonstrate conformity for the 2006 24-hour PM2.5 standards.

*Option 1: EPA Proposed Approval and Reclassification is Finalized and Effective*

Under Option 1, the San Joaquin Valley will have approved sub-area budgets for PM2.5 and NOx for the 2006 24-hour PM2.5 standards. Thus, the San Joaquin Valley MPOs will conduct conformity determinations for the new subarea emission budgets as established in the Plan and as published in the final Federal Register. Due to “Serious” reclassification, a new attainment year of 2019 must be modeled.

### *Option 2: EPA Proposed Approval and Reclassification is Not Finalized Nor Effective*

Under Option 2, the new sub-area budgets for PM2.5 and NOx for the 2006 24-hour PM2.5 standards will not be available for use and the 2008 PM2.5 Plan (1997 Standard) conformity budgets will continue to apply.

The San Joaquin Valley has an approved 2008 PM2.5 (1997 Standard) Plan (as revised in 2011) that contains sub-area budgets for PM2.5 and NOx. In accordance with the EPA Interim Transportation Conformity Guidance for 2006 PM2.5 NAAQS Nonattainment areas, if a 2006 PM2.5 area has adequate or approved SIP budgets that address the 1997 standards, it must use the budget test until new 2006 PM2.5 standard budgets are found adequate or approved.

### 2012 Annual PM2.5 Standards

EPA designated the San Joaquin Valley as nonattainment for the 2012 PM2.5 standards on January 15, 2015, effective April 15, 2015. Transportation conformity applies one year after the effective date (April 15, 2016). It is important to note that the 2012 annual PM2.5 nonattainment area boundary for the San Joaquin Valley is exactly the same as the nonattainment area boundary for the 1997 and 2006 standards.

In accordance with Section 93.109(i)(3) of the federal transportation conformity rule, if a 2012 PM2.5 area has adequate or approved SIP budgets that address the annual 1997 standards, it must use the budget test until new 2012 PM2.5 standard budgets are found adequate or approved. A new attainment year of 2021 will be modeled.

When using the budget test, the attainment year of the 2012 annual PM2.5 standard must be analyzed (e.g. 2021). In addition, in areas that have approved or adequate budgets for the 1997 annual PM2.5 standard, consistency with those budgets must also be determined. The attainment year of 2021 must be modeled.

### PROPOSED APPROACH

The 2015 Conformity Demonstration for the 2008 Ozone and 2012 PM2.5 standards will be based on the federally approved 2014 RTP/2015 FTIP Conformity Analysis with updates as appropriate. The interagency consultation process for the 2014 RTP/2015 FTIP and corresponding conformity analysis began in September 2013 and is documented in the current federally approved conformity analysis. A summary of the major elements of the conformity document are provided below for review, comment, and concurrence. It is requested that any comments on the proposed approach be provided by COB, July 20, 2015. **It is requested that EPA and FHWA also provide concurrence.** As noted above, an interagency consultation conference call will be scheduled upon request.

In general, it is assumed that some SJV MPOs will not be processing a concurrent regionally significant amendment with the 2015 Conformity Demonstration. The following proposed approach applies to all SJV MPOs for the 2015 Conformity Demonstration for the 2008 Ozone

and 2012 PM2.5 standards. Clarification “NOTES” have been added to Item 3 (Procedures for Regional Emission Estimates) and Item 6 (Conformity Documentation) specific for an MPO that will be processing a concurrent regionally significant amendment.

1. Latest Planning Assumptions and Transportation Modeling: There have been no official updates to the socioeconomic projections used by the Valley MPOs transportation models since the 2014 RTP/2015 FTIP Conformity Analysis. In accordance with Section 93.110 of the federal conformity rule, the most recent estimates of population and employment projections that have been officially approved by the Metropolitan Planning Organization will be used. In addition, there have been no official updates to the Valley MPO transportation models since the 2014 RTP/2015 FTIP Conformity Analysis. The same traffic modeling and networks will be utilized for this 2015 Conformity Demonstration, except for the new attainment years of 2021 for the 2012 PM2.5 Standards and 2031, which replaces the 2032 attainment year for the 2008 Ozone Standard. (Note: If EPA approval of the SJV Supplement for the 2006 24-hour PM2.5 Standard and Reclassification is finalized, then the new attainment year of 2019 will also be modeled.)
2. Air Quality Modeling: While ARB has released EMFAC 2014, it has not been approved by EPA for use in conformity analyses. As a result, in accordance with Section 93.111 the latest emission estimation model (EMFAC 2011) will be used in this 2015 Conformity Demonstration. The EPA approved methodology for updating the default vehicle activity data will also be used consistent with the 2014 RTP/2015 FTIP Conformity Analysis.
3. Procedures for Regional Emissions Estimates: All SJV MPOs will develop a new 2031 attainment year transportation network for the 2008 Ozone Standard and a new 2021 attainment year for the 2012 PM2.5 standards using the currently approved latest planning assumptions and transportation models in support of the 2015 Conformity Demonstration. (Note: If EPA approval of the SJV Supplement for the 2006 24-hour PM2.5 Standard and Reclassification Document is finalized, then the new attainment year of 2019 will also be modeled.) The resulting transportation data (VMT by speed bin) will be processed using the 2014 RTP/2015 FTIP conformity procedures; interagency consultation was conducted on these procedures in September 2013. The following updates will be used for the 2015 Conformity Demonstration:
  - a. Updated 2014 RTP/2015 FTIP Conformity EMFAC Spreadsheet: updated attainment years for the 2008 Ozone standard, 2006 24-hour PM2.5 (if applicable) and 2012 Annual PM2.5 Standards.
  - b. Updated 2014 RTP/2015 FTIP Totals Spreadsheet: new demonstration for 2008 Ozone, 2006 24-hour PM2.5 (if applicable), and 2012 annual PM2.5 standards.

4. **Transportation Control Measures:** As part of the 2015 Conformity Demonstration for 2008 Ozone and 2012 PM2.5 Standards, the SJV MPOs will update the Project TID table and RACM TID table contained in Appendix D of the federally approved 2014 RTP/2015 FTIP (as amended, if applicable). Since there is no “new” RTP development with this 2015 Conformity Demonstration, there will be no update with respect to the inclusion of additional long-range local government control measures.
  
5. **Conformity Documentation:** A modified draft boilerplate document will be prepared to address the 2015 Conformity demonstration for 2008 Ozone and 2012 PM2.5 Standards. The following updates will be included:
  - a. Update Table 1-3 to include updated attainment years of 2019 (if applicable), 2021 and 2031 respectively.
  - b. Update Table 2-1 to include traffic data for new attainment years 2019 (if applicable), 2021 and updated attainment year 2031.
  - c. Update Table 5-1 to include 2008 Ozone standard, 2012 annual PM2.5 standards, and 2006 24-hour PM2.5 standards (if applicable) conformity demonstrations. Note that Table 5-1 of the Conformity Analysis for the 2014 RTP/2015 FTIP includes a conformity demonstration for the 1997 24-hour and annual PM2.5 standards.
  - d. Update Appendix B:
    - i. reflect any amendments processed to date for the Exempt Project Listing, and
    - ii. include 2019 (if applicable) and 2021 attainment years and replace 2032 with the new 2031 attainment year for the Regionally Significant Project List.
  - e. Update Appendix C:
    - i. Updated 2014 RTP/ 2015 FTIP Conformity EMFAC Spreadsheet
    - ii. Updated 2014 RTP/ 2015 FTIP Conformity Totals Spreadsheet
  - f. Update Appendix D:
    - i. Project TID table
    - ii. RACM TID table
  - g. Update Appendix E:
    - i. Notice of Public Hearing
    - ii. Draft Adoption Resolution

In addition, the documentation will indicate the following: In accordance with Section 93.122(g) of the conformity rule, the 2015 Conformity Demonstration for 2008 Ozone and 2012 PM2.5 Standards will rely on the federally approved previous emissions analysis for carbon monoxide,

PM-10, the 1997 24-hour and annual PM2.5 standards, and the 2006 24-hour PM2.5 standards (unless new budgets are finalized and effective). The 2014 RTP/2015 FTIP (as amended if applicable) and corresponding conformity analysis was federally approved on December 12, 2014. For this 2015 Conformity Demonstration, there are:

- No revisions to the TIP/RTP, including no additions or deletions of regionally significant projects,
- No changes in the design concept and scope of existing regionally significant projects, that require a new regional emissions analysis,
- No revisions that delay or accelerate the completion of regionally significant projects across conformity analysis years, and
- No changes to the time frame of the transportation plan.

In accordance with Section 93.108, the Kern Council of Governments MPO re-affirms that the 2015 TIP and 2014 RTP (as amended if applicable) are fiscally constrained with DOT's metropolitan planning regulations at 23 CFR Part 450.

Please contact me if you have questions or need additional information. Comments are due by COB, Monday, July 20, 2015.

#### ADDITIONAL REFERENCES:

EPA, 2012. Guidance for Transportation Conformity Implementation in Multi-Jurisdictional Nonattainment and Maintenance Areas. U.S. Environmental Protection Agency. EPA-420-B-12-046. July 2012.

EPA, 2015. Implementation of the 2008 National Ambient Air Quality Standards for Ozone: State Implementation Plan Requirements. Final Rule. U.S. Environmental Protection Agency. Vol. 80. No. 44. March 6, 2015.

EPA, 2015. Fine Particulate Matter National Ambient Air Quality Standards: State Implementation Plan Requirements. Proposed Rule. U.S. Environmental Protection Agency. Vol. 80. No. 55. March 23, 2015.

APPENDIX D

Conformity Analysis for the 2008 Ozone and 2012 PM2.5 Standards DOCUMENTATION

| EMFAC Emissions (tons/day) |                         |  |              |              |              |              |              |
|----------------------------|-------------------------|--|--------------|--------------|--------------|--------------|--------------|
| KERN (SJV)                 |                         |  |              |              |              |              |              |
| Pollutant                  | Source                  | Description  |              |              |              |              |              |
|                            |                         |  | 2017         | 2020         | 2023         | 2031         | 2040         |
| Ozone                      | EMFAC 2011 (Summer Run) | ROG Total Exhaust (All Vehicles Total)                                   | 6.75         | 6.16         | 5.86         | 5.73         | 6.12         |
|                            |                         | Rule 9310 (School Bus)   | 0.00         | 0.00         | 0.00         | 0.00         | 0.00         |
|                            |                         | Rule 9410 (ETR)  | -0.14        | -0.19        | -0.18        | -0.18        | -0.18        |
|                            |                         | RFG  | -0.38        | -0.27        | -0.22        | -0.22        | -0.22        |
|                            |                         | Moyer  | -0.01        | 0.00         | 0.00         | 0.00         | 0.00         |
|                            |                         | AB1493   | 0.00         | 0.00         | 0.00         | 0.00         | 0.00         |
|                            |                         | Smog Check   | -0.16        | -0.13        | -0.10        | -0.10        | -0.10        |
|                            |                         | <b>Conformity Total</b>  | <b>6.05</b>  | <b>5.56</b>  | <b>5.36</b>  | <b>5.23</b>  | <b>5.62</b>  |
| Ozone                      | EMFAC 2011 (Summer Run) | NOx Total Exhaust (All Vehicles Total)                                   | 28.17        | 22.74        | 16.88        | 17.14        | 18.79        |
|                            |                         | Rule 9310 (School Bus)   | -0.09        | -0.08        | -0.07        | -0.07        | -0.07        |
|                            |                         | Rule 9410 (ETR)  | -0.16        | -0.13        | -0.10        | -0.10        | -0.10        |
|                            |                         | RFG  | 0.00         | 0.00         | 0.00         | 0.00         | 0.00         |
|                            |                         | Moyer  | -0.08        | 0.00         | 0.00         | 0.00         | 0.00         |
|                            |                         | AB1493   | 0.00         | 0.00         | 0.00         | 0.00         | 0.00         |
|                            |                         | Smog Check   | -0.12        | -0.09        | -0.07        | -0.07        | -0.07        |
|                            |                         | <b>Conformity Total</b>  | <b>27.71</b> | <b>22.45</b> | <b>16.63</b> | <b>16.89</b> | <b>18.54</b> |
| PM2.5                      | EMFAC 2011 (Annual Run) | PM2.5 Total Exhaust (All Vehicles Total)<br>* includes tire & brake wear | 0.93         | 0.98         | 1.05         | 1.22         | 1.28         |
|                            |                         | Rule 9410 (ETR)  | 0.00         | 0.00         | 0.00         | 0.00         | 0.00         |
|                            |                         | Rule 9310 (School Bus)   | -0.01        | -0.01        | -0.01        | -0.01        | -0.01        |
|                            |                         | Moyer  | 0.00         | 0.00         | 0.00         | 0.00         | 0.00         |
|                            |                         | AB1493   | -0.01        | -0.01        | -0.01        | -0.01        | -0.01        |
|                            |                         | Smog Check   | -0.01        | -0.01        | -0.01        | -0.01        | -0.01        |
|                            |                         | <b>Conformity Total</b>  | <b>0.90</b>  | <b>0.90</b>  | <b>1.00</b>  | <b>1.20</b>  | <b>1.30</b>  |
| PM2.5                      | EMFAC 2011 (Annual Run) | NOx Total Exhaust (All Vehicles Total)                                   | 29.61        | 21.25        | 18.02        | 18.62        | 19.58        |
|                            |                         | Rule 9410 (ETR)  | 0.00         | 0.00         | 0.00         | 0.00         | 0.00         |
|                            |                         | Rule 9310 (School Bus)   | -0.31        | -0.30        | -0.29        | -0.25        | -0.25        |
|                            |                         | Moyer  | -0.08        | -0.04        | 0.00         | 0.00         | 0.00         |
|                            |                         | AB1493   | 0.00         | 0.00         | -0.01        | -0.01        | -0.01        |
|                            |                         | Smog Check   | -0.12        | -0.09        | -0.07        | -0.07        | -0.07        |
|                            |                         | <b>Conformity Total</b>  | <b>29.10</b> | <b>20.80</b> | <b>17.70</b> | <b>18.30</b> | <b>19.20</b> |

| EMFAC Emissions (tons/day) |                         |   |             |             |             |             |
|----------------------------|-------------------------|---|-------------|-------------|-------------|-------------|
| KERN - MD                  |                         |   |             |             |             |             |
| Pollutant                  | Source                  | Description                                   |             |             |             |             |
|                            |                         |   | 2017        | 2025        | 2035        | 2040        |
| Ozone                      | EMFAC 2011 (Summer Run) | ROG Total Exhaust (All Vehicles Total)        | 1.45        | 1.14        | 1.04        | 1.26        |
|                            | ARB                     | Reflash, Public Fleet, Idling, AB 1493, Moyer | 0.01        | 0.01        | 0.01        | 0.01        |
|                            |                         | <b>Conformity Total</b>                       | <b>1.44</b> | <b>1.13</b> | <b>1.03</b> | <b>1.25</b> |
| Ozone                      | EMFAC 2011 (Summer Run) | NOx Total Exhaust (All Vehicles Total)        | 4.32        | 2.83        | 2.63        | 3.17        |
|                            | ARB                     | Reflash, Public Fleet, Idling, AB 1493, Moyer | 1.21        | 1.21        | 1.21        | 1.21        |
|                            |                         | <b>Conformity Total</b>                       | <b>3.11</b> | <b>1.62</b> | <b>1.42</b> | <b>1.96</b> |

**2014 RTP Conformity Results Summary -- KERN**

| Pollutant            | Scenario    | Emissions Total |                | DID YOU PASS? |     |
|----------------------|-------------|-----------------|----------------|---------------|-----|
|                      |             | ROG (tons/day)  | NOx (tons/day) | ROG           | NOx |
| 2008 Ozone Standards | 2017 Budget | 8.7             | 31.7           |               |     |
|                      | 2017        | 6.1             | 27.7           | YES           | YES |
|                      | 2020 Budget | 8.2             | 25.1           |               |     |
|                      | 2020        | 5.6             | 22.5           | YES           | YES |
|                      | 2023 Budget | 7.9             | 18.6           |               |     |
|                      | 2023        | 5.4             | 16.6           | YES           | YES |
|                      | 2031        | 5.2             | 16.9           | YES           | YES |
|                      | 2040        | 5.6             | 18.5           | YES           | YES |
|                      |             |                 |                |               |     |
|                      |             |                 |                |               |     |
| 2012 PM2.5 Standards | 2014 Budget | 1.2             | 43.8           |               |     |
|                      | 2017        | 0.9             | 29.1           | YES           | YES |
|                      | 2014 Budget | 1.2             | 43.8           |               |     |
|                      | 2021        | 0.9             | 20.8           | YES           | YES |
|                      | 2014 Budget | 1.2             | 43.8           |               |     |
|                      | 2025        | 1.0             | 17.7           | YES           | YES |
|                      | 2014 Budget | 1.2             | 43.8           |               |     |
|                      | 2035        | 1.2             | 18.3           | YES           | YES |
|                      | 2014 Budget | 1.3             | 42.9           |               |     |
|                      | 2040        | 1.3             | 19.2           | YES           | YES |

**2014 RTP Conformity Results Summary -- KERN (Mojave Desert)**

| Pollutant            | Scenario    | Emissions Total |                | DID YOU PASS? |     |
|----------------------|-------------|-----------------|----------------|---------------|-----|
|                      |             | ROG (tons/day)  | NOx (tons/day) | ROG           | NOx |
| 2008 Ozone Standards | 2008 Budget | 5               | 18             |               |     |
|                      | 2017        | 1               | 3              | YES           | YES |
|                      | 2025        | 1               | 2              | YES           | YES |
|                      | 2035        | 1               | 1              | YES           | YES |
|                      | 2040        | 1               | 2              | YES           | YES |

**APPENDIX E**

**TIMELY IMPLEMENTATION DOCUMENTATION  
FOR TRANSPORTATION CONTROL MEASURES**

Kern Council of Governments  
2002 RACM Timely Implementation Documentation

| <u>RACM Commitment</u> | <u>Agency</u> | <u>Commitment Description</u>                               | <u>Commitment Schedule</u> | <u>Commitment Funding</u>       | <u>TIP</u> | <u>TIP Project ID</u> | <u>Project Description</u>  | <u>Implementation Status</u> | <u>2015 Conformity Analysis for the 2008 Ozone and 2012 PM2.5 Standards</u> |
|------------------------|---------------|---|----------------------------|---------------------------------|------------|-----------------------|---|------------------------------|---|
|                        |               |   |                            |                                 |            |                       |   | (as of 3/14)                 | (as of 8/15)  |
| KE 14.10               | KCOG          | Public Education Program                                    | 02/03 - 04/05              | \$40,000 per year               | 2002       | KER020122             | IN KERN COUNTY: COUNTYWIDE WITH SPECIAL EMPHASIS ON SAN JOAQUIN PORTION OF KERN COUNTY, PUBLIC OUTREACH PROGRAM, AND SOME CAPITAL | Complete                     | Complete  |
| KE 1.1                 | Arvin         | New bus service to Ikea plant and business park             | 2002                       | Not specified                   |            |                       |   | Complete                     | Complete  |
| KE 1.5                 | Arvin         | Construct transfer station                                  | 2005                       | \$650,000 CMAQ (includes local) | 2002       | KER000503             | CONSTRUCT NEW TRANSIT TRANSFER STATION  | Complete                     | Complete  |
| KE 9.3                 | Arvin         | Drive Approach Modification Project; Traffic Signal Project | 2003; 2003                 | \$395,000 Total                 |            |                       |   | Complete                     | Complete  |
| KE 10.2                | Arvin         | Bike Racks on Buses   | 2002                       | Not specified                   |            |                       |   | Complete                     | Complete  |
| KE 5.2 and 5.16        | Bakersfield   | Traffic signal interconnect projects                        | 2003                       | \$1 M CMAQ (includes local)     |            |                       |   |                              |   |

*Kern Council of Governments 2015 Conformity Analysis: 2008 Ozone and 2012 PM2.5*

Kern Council of Governments  
2002 RACM Timely Implementation Documentation

| <u>RACM Commitment</u> | <u>Agency</u> | <u>Commitment Description</u> | <u>Commitment Schedule</u> | <u>Commitment Funding</u> | <u>TIP</u> | <u>TIP Project ID</u> | <u>Project Description</u>   | <u>Implementation Status</u> | <u>2015 Conformity Analysis for the 2008 Ozone and 2012 PM2.5 Standards</u> |
|------------------------|---------------|-------------------------------|----------------------------|---------------------------|------------|-----------------------|--|------------------------------|---|
|                        |               |                               |                            |                           |            |                       |  | (as of 3/14)                 | (as of 8/15)  |
|                        |               |                               |                            |                           | 1998       | KER960506             | TRAFFIC OPERATIONS CENTER: MANAGEMENT CENTER TO LINK ALL TRAFFIC SIGNALS TO CITY HALL- PURCHASE HARDWARE AND SOFTWARE - CONSTRUCTION OF CENTER (PHASE 2) | Complete                     | Complete  |
|                        |               |                               |                            |                           | 2002       | KER000504             | SIGNALIZATION, COMMUNICATION / SYNCHRONIZATION OF SOUTH H STREET FROM WHITE LANE TO PANAMA LANE  | Complete                     | Complete  |
|                        |               |                               |                            |                           | 2002       | KER000505             | SIGNALIZATION, COMMUNICATION / SYNCHRONIZATION OF STINE ROAD FROM WHITE LANE TO HARRIS ROAD  | Complete                     | Complete  |
|                        |               |                               |                            |                           | 2002       | KER000506             | SIGNALIZATION, COMMUNICATION / SYNCHRONIZATION OF ASHE ROAD FROM CLUB VIEW DRIVE TO NORTH HALF MOON BLVD   | Complete                     | Complete  |
|                        |               |                               |                            |                           | 2002       | KER000507             | SIGNALIZATION, COMMUNICATION / SYNCHRONIZATION OF MISC. BRANCH COMMUNICATIONS AT VARIOUS LOCATIONS   | Complete                     | Complete  |

*Kern Council of Governments 2015 Conformity Analysis: 2008 Ozone and 2012 PM2.5*

Kern Council of Governments  
2002 RACM Timely Implementation Documentation

| <u>RACM Commitment</u> | <u>Agency</u> | <u>Commitment Description</u>                                       | <u>Commitment Schedule</u> | <u>Commitment Funding</u> | <u>TIP</u> | <u>TIP Project ID</u> | <u>Project Description</u>  | <u>Implementation Status</u> | <u>2015 Conformity Analysis for the 2008 Ozone and 2012 PM2.5 Standards</u> |
|------------------------|---------------|---|----------------------------|---------------------------|------------|-----------------------|---|------------------------------|---|
|                        |               |   |                            |                           |            |                       |   | (as of 3/14)                 | (as of 8/15)  |
|                        |               |   |                            |                           | 2002       | KER010502             | SIGNALIZATION: COMMUNICATION / SYNCHRONIZATION OF THREE IDENTIFIED SIGNAL LOCATIONS                               | Complete                     | Complete  |
|                        |               |   |                            |                           | 2002       | KER990512             | IN BAKERSFIELD -TRAFFIC SIGNAL WIRED INTERCONNECT ON NILES ST. FROM ALTA VISTA DR. TO HALFY ST.                   | Complete                     | Complete  |
|                        |               |   |                            |                           | 2002       | KER990520             | IN BAKERSFIELD -(TRUNK LINE) TRAFFIC SIGNAL WIRED INTERCONNECT ON CHESTER AVENUE FROM 23RD ST. TO W. COLUMBUS ST. | Complete                     | Complete  |
|                        |               |   |                            |                           | 2002       | KER010503             | SIGNALIZATION: COMMUNICATION / SYNCHRONIZATION OF MISC. BRANCH COMMUNICATIONS AT VARIOUS LOCATIONS                | Complete                     | Complete  |
|                        |               |   |                            |                           |            |                       |   |                              |   |
| KE 5.3                 | Bakersfield   | Intersection improvements at White and Wible Road; Westside Parkway | 2003; 2007 +               | Not specified             |            |                       |   |                              |   |
|                        |               |   |                            |                           |            |                       |   | Complete                     | Complete  |

*Kern Council of Governments 2015 Conformity Analysis: 2008 Ozone and 2012 PM2.5*

Kern Council of Governments  
2002 RACM Timely Implementation Documentation

| <u>RACM Commitment</u> | <u>Agency</u>   | <u>Commitment Description</u>   | <u>Commitment Schedule</u> | <u>Commitment Funding</u> | <u>TIP</u> | <u>TIP Project ID</u> | <u>Project Description</u>   | <u>Implementation Status</u>                                     | <u>2015 Conformity Analysis for the 2008 Ozone and 2012 PM2.5 Standards</u> |
|------------------------|-----------------|---|----------------------------|---------------------------|------------|-----------------------|--|--|---|
|                        |                 |   |                            |                           |            |                       |  | (as of 3/14)   | (as of 8/15)  |
|                        |                 |   |                            |                           | 2000       | KER970508             | SIGNALIZATION: TRUNK LINE COMMUNICATIONS/SYNCH RO. - WHITE LANE FROM WIBLE ROAD TO HUGHES LANE   | Complete   | Complete  |
|                        |                 |   |                            |                           | 2002       | KER010501             | SIGNALIZATION: COMMUNICATION / SYNCHRONIZATION OF GOSFORD ROAD FROM WHITE LANE TO STOCKDALE HWY  | Complete   | Complete  |
|                        |                 |   |                            |                           | 2002       | KER020102             | IN BAKERSFIELD: FROM STOCKDALE HWY TO TRUXTUN AVE AT ROUTE 99; CONSTRUCT 4-LANE AND 6-LANE NEW FACILITY - Note: In 2009 FTIP, this project has six phases due to funding | Phase 1, 2, 3, 4, 5 are complete. Phase 6 is under construction. | Complete  |
| KE 9.5                 | California City | Expand bike lanes by about 75%  | 2003                       | Not specified             |            |                       |  | Complete   | Complete  |
| KE 1.5                 | Kern County     | Service to Shafter, Wasco, McFarland, Delano, Lost Hills, Lamont, Weedpatch, Ridgecrest, California City and Mojave | 2003                       | \$400,000 per year        |            |                       |  | Complete   | Complete  |
|                        |                 |   |                            |                           |            |                       |  |  |   |

*Kern Council of Governments 2015 Conformity Analysis: 2008 Ozone and 2012 PM2.5*

Kern Council of Governments  
2002 RACM Timely Implementation Documentation

| <u>RACM Commitment</u> | <u>Agency</u> | <u>Commitment Description</u> | <u>Commitment Schedule</u> | <u>Commitment Funding</u> | <u>TIP</u> | <u>TIP Project ID</u> | <u>Project Description</u>  | <u>Implementation Status</u> | <u>2015 Conformity Analysis for the 2008 Ozone and 2012 PM2.5 Standards</u> |
|------------------------|---------------|-------------------------------|----------------------------|---------------------------|------------|-----------------------|---|------------------------------|---|
|                        |               |                               |                            |                           |            |                       |   | (as of 3/14)                 | (as of 8/15)  |
| KE 5.2                 | County        | Six signal projects           | 2005                       | \$4,515,000<br>Total      |            |                       |   |                              |   |
|                        |               |                               |                            |                           | 2000       | KER000521             | SIGNALIZATION, SYNCHRONIZATION, CHANNELIZATION AND RELATED SAFETY MODIFICATIONS ON OLIVE DRIVE FROM FRUITVALE AVENUE TO COFFEE ROAD   | Complete                     | Complete  |
|                        |               |                               |                            |                           | 2000       | KER990519             | SIGNALIZATION, SIGNAL SYNCHRONIZATION, CHANNELIZATION AND RELATED SAFETY MODIFICATIONS - NILES ST. FROM VIRGINIA ST. TO MORNING DR    | Complete                     | Complete  |
|                        |               |                               |                            |                           | 2000       | KER990518             | SIGNAL SYNCHRONIZATION, CHANNELIZATION AND RELATED SAFETY MODIFICATIONS - FAIRFAX RD. FROM BRUNDAGE LANE TO COLLEGE AVE.              | Complete                     | Complete  |
|                        |               |                               |                            |                           | 2000       | KER990523             | SIGNALIZATION, SIGNAL SYNCHRONIZATION, CHANNELIZATION AND RELATED SAFETY MODIFICATIONS - OSWELL ST. FROM BRUNDAGE LANE TO BERNARD ST. | Complete                     | Complete  |

*Kern Council of Governments 2015 Conformity Analysis: 2008 Ozone and 2012 PM2.5*

Kern Council of Governments  
2002 RACM Timely Implementation Documentation

| <u>RACM Commitment</u> | <u>Agency</u> | <u>Commitment Description</u>  | <u>Commitment Schedule</u> | <u>Commitment Funding</u>      | <u>TIP</u> | <u>TIP Project ID</u>  | <u>Project Description</u>  | <u>Implementation Status</u> | <u>2015 Conformity Analysis for the 2008 Ozone and 2012 PM2.5 Standards</u> |
|------------------------|---------------|--|----------------------------|--------------------------------|------------|------------------------|---|------------------------------|---|
|                        |               |  |                            |                                |            |                        |   | (as of 3/14)                 | (as of 8/15)  |
|                        |               |  |                            |                                | 2000       | KER000533              | SYNCHRONIZATION CHANNELIZATION AND RELATED SAFETY MODIFICATIONS ON CALIFORNIA AVENUE FROM WASHINGTON STREET TO EDISON HIGHWAY | Complete                     | Complete  |
|                        |               |  |                            |                                |            |                        |   | Complete                     | Complete  |
| KE 10.2                | County        | Retrofit buses with bike racks   | 2005                       | \$80,000 CMAQ (includes local) | 2002       | KER000528              | INSTALL BIKE CYCLE RACKS ON BUS FLEET   | Complete                     | Complete  |
| KE 10.2                | Delano        | Bike racks on four full size transit buses   | 2003                       | Not specified                  |            |                        |   | Complete                     | Complete  |
| J 34                   | GET           | Develop and implement an area vehicle locator  |                            | \$2.2 million                  | 2002       | KER990526<br>KER990527 | Area Vehicle Locator (Phase 1)<br>Area Vehicle Locator (Phase 2)  | Complete                     | Complete  |
| KE 9.3                 | Ridgecrest    | Construct 1.5 miles of bicycle lane on existing streets and 2.67 miles of new bike lanes | 2003                       | \$165,000 TEA                  | 2002       | KER990902              | IN RIDGECREST - CHELSEA STREET BICYCLE PATH EXTENSION PROJECT   | Complete                     | Complete  |
|                        |               |  |                            |                                |            |                        |   |                              |   |

*Kern Council of Governments 2015 Conformity Analysis: 2008 Ozone and 2012 PM2.5*

Kern Council of Governments  
2002 RACM Timely Implementation Documentation

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|------------------------|---------------|--|----------------------------|---------------------------|------------|-----------------------|--|------------------------------|---|
|                        |               |  |                            |                           |            |                       |  | (as of 3/14)                 | (as of 8/15)  |
| KE 1.5                 | Shafter       | Analyze transit system for route expansion; construct a CNG facility; two CNG mini-vans for enhanced service | 2000; 2003                 | Not specified             |            |                       |  | Complete                     | Complete  |
| KE 1.5                 | Taft          | Construct transit transfer station   | 2002                       | \$375,000 CMAQ            | 2002       | KER990550             | IN THE CITY OF TAFT - CONSTRUCT TRANSIT TRANSFER STATION | Complete                     | Complete  |
| KE 9.5 and 9.2         | Tehachapi     | 1.3 miles of Class I bike trails adjacent to several roadways in community                                   | 2003                       | Not specified             |            |                       |  | Complete                     | Complete  |
| SJ 5.3                 | Wasco         | Traffic signal at Highway 46 and Griffith Avenue   | Not specified              | \$221,000                 |            |                       |  | Complete                     | Complete  |
| KE 7.17                | Wasco         | Construct new transit transfer station   | design in 2002             | \$619,710 CMAQ            | 2002       | KER000520             | CONSTRUCT NEW TRANSIT TRANSFER STATION                   | Complete                     | Complete  |

Kern Council of Governments  
2002 RACM Timely Implementation Documentation

| <u>RACM Commitment</u> | <u>Agency</u> | <u>Commitment Description</u>                       | <u>Commitment Schedule</u> | <u>Commitment Funding</u> | <u>TIP</u> | <u>TIP Project ID</u> | <u>Project Description</u>               | <u>Implementation Status</u> | <u>2015 Conformity Analysis for the 2008 Ozone and 2012 PM2.5 Standards</u> |
|------------------------|---------------|---|----------------------------|---------------------------|------------|-----------------------|--|------------------------------|---|
|                        |               |   |                            |                           |            |                       |  | (as of 3/14)                 | (as of 8/15)  |
| KE 9.1                 | Wasco         | Convert two mid-block alleys to pedestrian walkways | 2002                       | TEA                       | 2002       | KER001001             | DOWNTOWN STREETScape IMPROVEMENT PROJECT | Complete                     | Complete  |

*Kern Council of Governments 2015 Conformity Analysis: 2008 Ozone and 2012 PM2.5*

Kern Council of Governments  
2002 RACM Timely Implementation Documentation

| <u>RACM Commitment</u> | <u>Agency</u>  | <u>Measure Title</u>                                 | <u>Measure Description (not verbatim)</u>  | <u>Implementation Status</u><br>(as of 3/14)  | <u>2015 Conformity Analysis for the 2008 Ozone and 2012 PM2.5 Standards</u><br>(as of 8/15)   |
|------------------------|----------------|--|--|---|---|
| 14.9                   | KCOG           | Business, Industry and Governmental Outreach Program | Implement multi-agency outreach program and promote incentives for 2002-03 through 2004-05   | Commitment Complete.  | Commitment Complete.  |
| KE5.4                  | Bakersfield    | Site-Specific Transportation Control Measures        | Encourage implementation... include various channelization and signal modification projects identified by special traffic studies or development for the next 5 years (2007) | Projects prior to 2007 complete (see Project TID Table). Westside Parkway will continue to be tracked.  | Commitment Complete.  |
| KE1.1                  | County of Kern | Regional Express Bus Program                         | Purchase buses to operate regional express bus service   | The County of Kern continues to offer regional express bus service.   | The County of Kern continues to offer regional express bus service.   |
| KE1.7                  | County of Kern | Free transit during special events                   | Offer one day of free travel from Bakersfield to Kernville Whisky Flat Days and Frazier Park Liac Festival   | The County of Kern has offered free transit for these events and will continue to do so.  | The County of Kern has offered free transit for these events and will continue to do so.  |
| KE9.2                  | County of Kern | Encouragement of Pedestrian Travel                   | Implement Bikeway Master Plan  | Implementation of the Bikeway Master Plan continues to occur along with updates to the Kern County General Plan. The Bikeway Master Plan was approved regionally by the Kern Council of Governments October 2012. | Implementation of the Bikeway Master Plan continues to occur along with updates to the Kern County General Plan. The Bikeway Master Plan was approved regionally by the Kern Council of Governments October 2012. |
| KE14.4                 | County of Kern | Voluntary No Drive Day Programs                      | Conduct voluntary employee no-drive day programs during the ozone season through media and employer based public awareness activities in 2002                                | Commitment Complete.  | Commitment Complete.  |
| KE5.1                  | Taft           | Develop Intelligent Transportation Systems           | Provide areas for pedestrian and bicyclist in vicinity of commercial development and promote use of such areas.  | Commitment Complete.  | Commitment Complete.  |
| KE9.3                  | Taft           | Bicycle/Pedestrian Program                           | Provide facilities for only pedestrian and bicycle use.  | Commitment Complete.  | Commitment Complete.  |
| KE9.5                  | Taft           | Encouragement of Bicycle Travel                      | Provide funding for bikeway system. Provide education materials  | Commitment Complete.  | Commitment Complete.  |
| KE1.7                  | Wasco          | Free transit during special events                   | Provide free transit between Saturday's events during the Wasco Rose Festival beginning in 2002 through 2005   | Commitment Complete.  | Commitment Complete.  |

*Kern Council of Governments 2015 Conformity Analysis: 2008 Ozone and 2012 PM2.5*

Kern Council of Governments  
2002 RACM Timely Implementation Documentation

| <u>RACM Commitment</u> | <u>Agency</u> | <u>Measure Title</u>   | <u>Measure Description (not verbatim)</u>  | <u>Implementation Status</u>   | <u>2015 Conformity Analysis for the 2008 Ozone and 2012 PM2.5 Standards</u>  |
|------------------------|---------------|--|--|--|--|
| KE3.9                  | Wasco         | Encourage merchants and employers to subsidize the cost of transit for employees | Offer free transportation to full time, permanent City of Wasco, School District and High School District employees beginning in 2002 through 2005 | Commitment Complete.   | Commitment Complete.   |
| KE9.8                  | Wasco         | Close streets for special events for use by bikes and pedestrians                | Close streets to vehicles for the annual Wasco Festival of Roses   | Yes, the parade route was closed for vehicle traffic and open to foot traffic. Closure will continue for annual event. | Yes, the parade route was closed for vehicle traffic and open to foot traffic. Closure will continue for annual event. |

**APPENDIX F**

**PUBLIC HEARING PROCESS DOCUMENTATION**

## **NOTICE OF PUBLIC HEARING**

NOTICE IS HEREBY GIVEN that the Kern Council of Governments (Kern COG) will hold a public hearing at 4:30 PM September 9, 2015 at Kern COG's office, 1401 19th Street, Suite 300, Bakersfield, CA 93301 regarding Draft Amendment No. 12 to the 2015 Federal Transportation Improvement Program and the Draft 2015 Conformity Analysis for the 2008 Ozone and 2012 PM2.5 Standards. Please be advised the Public Hearing Officer, Raquel Pacheco, is holding the hearing to receive public comments.

- The 2015 FTIP is a listing of capital improvement and operational expenditures utilizing federal and state monies for transportation projects in Kern County through 2018.
- The Draft 2015 FTIP Amendment No.12 includes revisions to the State Highway/Regional Choice Program.
- The Draft 2015 FTIP Amendment No.12 contains a project list, summary of changes, and financial plan.
- The Draft 2015 FTIP Amendment No.12 is a Type 4 amendment that relies on the previous emission analysis for carbon monoxide, PM-10, and PM2.5 (1997 24-hour and Annual standards and 2006 24-hour PM2.5 standards) and a new air quality conformity analysis for the 2008 8-hour Ozone and 2012 PM2.5 Standards.
- The Draft 2015 Conformity Analysis for the 2008 Ozone and 2012 PM2.5 Standards contains the documentation to support a finding that the 2015 FTIP Amendment No.12 and 2014 RTP meet the air quality conformity requirements for carbon monoxide, ozone and particulate matter.

Individuals with disabilities may call Kern COG at (661) 861-2191 with 3-working-day advance notice to request auxiliary aids necessary to participate in the public hearing. Translation services are available (with 3-working-day advance notice) to participants speaking any language with available professional translation services.

A 30-day public review and comment period will begin August 28, 2015 and conclude September 28, 2015. The draft documents are available for review at Kern COG's office and on Kern COG's website at [www.kerncog.org](http://www.kerncog.org). Public comments are welcomed at the hearing, or may be submitted in writing by 5 PM September 28, 2015 to Ahron Hakimi at the address below.

After considering the comments, the documents will be considered for adoption, by resolution, by the Kern Council of Governments at a regularly scheduled meeting to be held 6:30 PM October 15, 2015. The documents will then be submitted to state and federal agencies for approval.

Ahron Hakimi, Executive Director  
Kern Council of Governments  
1401 19<sup>th</sup> Street, Suite 300  
Bakersfield, CA 93301  
(661) 861-2191

BEFORE THE KERN COUNCIL OF GOVERNMENTS  
STATE OF CALIFORNIA, COUNTY OF KERN

RESOLUTION NO. 15-40

In the Matter of:

2015 Federal Transportation Improvement Program Amendment #12 and the 2015 Conformity Analysis for the 2008 Ozone and 2012 PM2.5 Standards

---

WHEREAS, the Kern Council of Governments (Kern COG) is a Regional Transportation Planning Agency and a Metropolitan Planning Organization, pursuant to State and Federal designation; and

WHEREAS, federal planning regulations require Metropolitan Planning Organizations to prepare and adopt a long range Regional Transportation Plan (RTP) for their region; and

WHEREAS, federal planning regulations require that Metropolitan Planning Organizations prepare and adopt a Federal Transportation Improvement Program (FTIP) for their region; and

WHEREAS, a 2014 Regional Transportation Plan was prepared in full compliance with federal guidance; and

WHEREAS, a 2014 Regional Transportation Plan was prepared in accordance with state guidelines adopted by the California Transportation Commission; and

WHEREAS, the 2015 Federal Transportation Improvement Program Amendment #12 (2015 FTIP Amendment #12) has been prepared to comply with Federal and State requirements for local projects and through a cooperative process between the Federal Highway Administration (FHWA), the Federal Transit Administration (FTA), the State Department of Transportation (Caltrans), principal elected officials of general purpose local governments and their staffs, and public owner operators of mass transportation services acting through Kern COG forum and general public involvement; and

WHEREAS, the 2015 FTIP Amendment #12 program listing is consistent with: 1) the 2014 Regional Transportation Plan; 2) the 2014 State Transportation Improvement Program; and 3) the 2015 Conformity Analysis for the 2008 Ozone and 2012 PM2.5 Standards; and

WHEREAS, the 2015 FTIP Amendment #12 contains the MPO's certification of the transportation planning process assuring that all federal requirements have been fulfilled; and

WHEREAS, the 2015 FTIP Amendment #12 meets all applicable transportation planning requirements per 23 CFR Part 450.

WHEREAS, projects submitted in the 2015 FTIP Amendment #12 must be financially constrained and the financial plan affirms that funding is available; and

WHEREAS, the 2015 FTIP Amendment #12 relies on the federally approved Conformity Analysis for the 2015 FTIP and 2014 RTP for carbon monoxide, PM-10, and PM 2.5 (1997 24-hour and Annual standards and the 2006 24-hour PM 2.5 standards) and a new regional emissions analysis for the 2008 Ozone and 2012 PM 2.5 Standards; and

WHEREAS, the MPO must demonstrate conformity per 40 CFR Part 93 for the RTP and FTIP; and

WHEREAS, the 2015 Conformity Analysis for the 2008 Ozone and 2012 PM2.5 Standards supports a finding that the 2015 FTIP Amendment #12 and 2014 RTP meet the air quality conformity requirements for carbon monoxide, ozone and particulate matter; and

WHEREAS, the 2015 FTIP Amendment #12 and 2014 RTP do not interfere with the timely implementation of the Transportation Control Measures; and

WHEREAS, the 2015 FTIP Amendment #12 and 2014 RTP conform to the applicable SIPs; and

WHEREAS, the documents have been widely circulated and reviewed by Kern COG's advisory committees representing the technical and management staffs of the member agencies; representatives of other governmental agencies, including State and Federal; representatives of special interest groups; representatives of the private business sector; and residents of Kern County consistent with public participation process adopted by Kern COG; and

WHEREAS, a public hearing was conducted on September 9, 2015 to hear and consider comments on the 2015 FTIP Amendment #12 and corresponding conformity analysis; and

NOW, THEREFORE, BE IT RESOLVED, that Kern COG adopts the 2015 FTIP Amendment #12 and corresponding conformity analysis; and

BE IT FURTHER RESOLVED, that Kern COG finds that the 2015 FTIP Amendment #12, 2014 RTP, and conformity analysis are in conformity with the requirements of the Federal Clean Air Act Amendments and applicable State Implementation Plans for air quality.

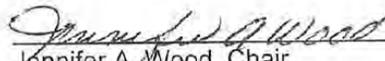
AUTHORIZED AND SIGNED THIS 15<sup>th</sup> DAY OF OCTOBER 2015.

AYES: Gurrola, B. Smith, Wood, Pascual, Wilke, McFarland, P. Smith, Couch, Perez, Miller, Parra

NOES: None

ABSTAIN: None

ABSENT: Breeden, Prout, Krier, Wegman

  
Jennifer A. Wood, Chair  
Kern Council of Governments

ATTEST:

I hereby certify that the foregoing is a true copy of a resolution of the Kern Council of Governments duly adopted at a regular meeting thereof held on the 15<sup>th</sup> day of October 2015.

  
Ahron Hakimi, Executive Director  
Kern Council of Governments

OCT 19 2015  
Date:

RESOLUTION NO. 15-40  
2015 FTIP Amend 12/Conformity Analysis  
Page 2

## **APPENDIX G**

### **RESPONSE TO PUBLIC COMMENTS**

The public review period was from August 28, 2015 to September 28, 2015.  
The public hearing was held at 4:30 PM September 9, 2015 at Kern COG's office.  
No public comments have been received.

**ATTACHMENT 3**

**Public Notice and Adoption Resolution**

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After considering the comments, the documents will be considered for adoption, by resolution, by the Kern Council of Governments at a regularly scheduled meeting to be held 6:30 PM October 15, 2015. The documents will then be submitted to state and federal agencies for approval.

Ahron Hakimi, Executive Director  
Kern Council of Governments  
1401 19<sup>th</sup> Street, Suite 300  
Bakersfield, CA 93301  
(661) 861-2191

BEFORE THE KERN COUNCIL OF GOVERNMENTS  
STATE OF CALIFORNIA, COUNTY OF KERN

RESOLUTION NO. 15-40

In the Matter of:

2015 Federal Transportation Improvement Program Amendment #12 and the 2015 Conformity Analysis for the 2008 Ozone and 2012 PM2.5 Standards

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WHEREAS, the 2015 FTIP Amendment #12 contains the MPO's certification of the transportation planning process assuring that all federal requirements have been fulfilled; and

WHEREAS, the 2015 FTIP Amendment #12 meets all applicable transportation planning requirements per 23 CFR Part 450.

WHEREAS, projects submitted in the 2015 FTIP Amendment #12 must be financially constrained and the financial plan affirms that funding is available; and

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WHEREAS, a public hearing was conducted on September 9, 2015 to hear and consider comments on the 2015 FTIP Amendment #12 and corresponding conformity analysis; and

NOW, THEREFORE, BE IT RESOLVED, that Kern COG adopts the 2015 FTIP Amendment #12 and corresponding conformity analysis; and

BE IT FURTHER RESOLVED, that Kern COG finds that the 2015 FTIP Amendment #12, 2014 RTP, and conformity analysis are in conformity with the requirements of the Federal Clean Air Act Amendments and applicable State Implementation Plans for air quality.

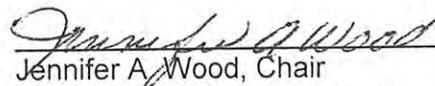
AUTHORIZED AND SIGNED THIS 15<sup>th</sup> DAY OF OCTOBER 2015.

AYES: Gurrola, B. Smith, Wood, Pascual, Wilke, McFarland, P. Smith, Couch, Perez, Miller, Parra

NOES: None

ABSTAIN: None

ABSENT: Breeden, Prout, Krier, Wegman

  
Jennifer A. Wood, Chair  
Kern Council of Governments

ATTEST:

I hereby certify that the foregoing is a true copy of a resolution of the Kern Council of Governments duly adopted at a regular meeting thereof held on the 15<sup>th</sup> day of October 2015.

  
Ahron Hakimi, Executive Director  
Kern Council of Governments

OCT 13 2015  
Date: