



U.S. Department
of Transportation
**Federal Highway
Administration**

ARIZONA DIVISION

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August 4, 2016

In Reply Refer To:
(TRAP 37 - STIP)
Arizona FY 2016-2019
Statewide Transportation Program (STIP)
Approval of Amendment No. 44

Mr. Michael Kies, Division Director
Multimodal Planning Division
Arizona Department of Transportation, (300B)
Phoenix, Arizona 85007

Dear Mr. Kies:

We have reviewed your July 22, 2016 request to amend the FY 2016-2019 Statewide Transportation Improvement Program (STIP) to include the enclosed list of projects approved by the Sun Corridor Metropolitan Planning Organization Executive Board on June 14, 2016 as a Transportation Improvement Program amendment.

We accept this Amendment in accordance with 23 CFR 450 and find that this STIP amendment was developed based on a continuing, cooperative and comprehensive transportation planning process in accordance with the 23 USC 134 and Section 5303 of the Federal Transit Act (49 USC 53). The changes made to the program by this amendment required a conformity determination [40 CFR §93.126]. The conformity determination was made on July 11, 2016.

This letter constitutes approval and inclusion of Amendment 44 into the Arizona FY 2016-2019 Statewide Transportation Improvement Program (STIP). Our approval is based upon the Arizona Department of Transportation's assurance that the funding for the projects in this amendment will not adversely impact the STIP Financial Plan.

Sincerely,

For Karla S. Petty
Division Administrator

Enclosure

ec: mkies@azdot.gov; dominique.paukowits@dot.gov (FTA)
ec: lpounds@azdot.gov, pstone@azdot.gov, banderson@azdot.gov, EStillings, RTruely, AHansen, TDeitering, RYedlin, TWilson, SGordon, RMoreno, BJombo

ESS:cdm

JUL 26 2016

Douglas A. Ducey, Governor
John S. Halikowski, Director
Michael Kies, Division Director

July 22, 2016

Ms. Karla S. Petty
Division Administrator
Federal Highway Administration
4000 North Central Avenue Suite 1500
Phoenix, Arizona 85012-3500

Mr. Leslie T. Rogers
Regional Administrator
Federal Transit Administration
201 Mission Street, Suite 1650
San Francisco, California 94105-1839

RE: FY 2016-2020 STIP, Amendment Number 44

Dear Ms. Petty & Mr. Rogers,

As the Governor's designee, I cordially request Amendment Number 44 of the FY 2016-2020 State Transportation Improvement Program (STIP). The project modifications are detailed in the attached document and were approved by the Sun Corridor Metropolitan Planning Organization on June 14, 2016

This amendment is in accordance with 23 CFR 450 and was developed based on a continuing, cooperative, and comprehensive transportation planning process in accordance with 23 USC 134 and section 5303 of the Federal Transit Act (49 USC 53). The changes made to the program, by this amendment, are either exempt or are regarded as minor project revisions that do not require conformity determination [40 CFR §93.126]. The funding for the projects in this amendment will not adversely impact the STIP Financial Plan.

Your prompt approval of this request will be greatly appreciated.

Sincerely,



Michael Kies P.E.

cc: Ed Stillings, FHWA
Denise Scafide, ADOT MPD
Patrick Stone, ADOT FMS

Dominique Paukowits, FTA
Dallas Hammit, ADOT
Eric Boyles, ADOT

Attachments

ATTACHMENT B

Amendment to the Sun Corridor MPO 2016 - 2025 Transportation Improvement Program (TIP) and Regional Transportation Plan 2040

TIP YEAR	PROJECT SPONSOR	PROJECT NAME	PROJECT LOCATION	LENGTH	TYPE OF WORK	FUNC CLASS	LANES BEFORE	LANES AFTER	FUNDING TYPE	FEDERAL FUNDS	LOCAL MATCH	LOCAL FUNDS	OTHER FUNDS	TOTAL COST	NOTES
2016	Casa Grande	Isom Rd: Arica Rd to Pearl Rd	Arica Rd to Peart Rd	0.8	Dust Palliative on Unpaved Road		2(U)	2(U)	HURF			\$ 160,000		\$ 160,000	Amend - Add new Dust Palliative project to FY2016 for \$160,000 - HURF funded.
2016	Coolidge	Bartlett Rd	La Palma Rd to Skousen	1.56	Dust Palliative on Unpaved Road		2(U)	2(U)	HURF	\$ -	\$ -	\$ 312,000	\$ -	\$ 312,000	Amend - Add new Dust Palliative Project to FY2016 for \$312,000 - HURF funded.
2016	Coolidge	Curry Rd	Canal to SR87	1.93	Dust Palliative on Unpaved Road		2(U)	2(U)	HURF			\$ 386,000		\$ 386,000	Amend - Add new Dust Palliative project to FY2016 in the amount of \$386,000 - HURF funded
2017	Coolidge	Macrae Rd	Martin Rd to Coolidge Ave	1.08	Dust Palliative on Unpaved Road		2(U)	2(U)	HURF			\$ 216,000		\$ 216,000	Amend - Add new Dust Palliative project to FY2017 for \$216,000 - HURF funded
2017	Coolidge	Coolidge Ave	Macrae Rd to Skousen Rd	1	Dust Palliative on Unpaved Road		2(U)	2(U)	HURF			\$ 200,000		\$ 200,000	Amend - Add new Dust Palliative project to FY2017 for \$200,000 - HURF funded
2017	Pinal Co	Tweedy Rd	Hanna Rd to Comman Rd	1	Dust Palliative	HURF	2(U)	2(U)	HURF	\$ -	\$ -	\$ 200,000	\$ -	\$ 200,000	Amend - Add new Dust Palliative project to FY2017 for \$200,000 - HURF funded
2018	Eloy	Main Street - Reconstruction	Main Street - Frontier Rd - to Battaglia Dr.	4	Re-Construction	Urban-Collector	4	2	STP	\$ 2,495,889	\$ 160,865	\$ -	\$ 4,302,204	\$ 8,668,949	Amend - Delete project from TIP; cancelled by City of Eloy.
2017	Pinal Co	McCarney Rd	I-10 to Evans Rd	3.4	Design	Major-Collector	2	3	Local	\$ -	\$ -	\$ 300,000	\$ -	\$ 300,000	Amend - Per Pinal County delete project from TIP. The project scope has been scaled back to only add turn lanes.
2016	Pinal Co	Arica Rd	Arica Rd: Trekell Rd to .7 miles South on Isom Rd	1.4	Dust Mitigation	Local	2	2	Exercise Tax	\$ -	\$ -	\$ 200,000	\$ -	\$ 200,000	Amend - Advance construction from FY2017 to FY2016. Update cost of project from \$150,000 to \$200,000 - Exercise Tax
2018	Pinal Co	McCarney Rd	I-10 to Evans Rd	3.4	Reconstruction	Major-Collector	2	3	Local	\$ -	\$ -	\$ 3,200,000	\$ -	\$ 3,200,000	Amend - Per Pinal County delete project from TIP. The project scope has been scaled back to only add turn lanes.
2018	Pinal Co	Stanfield Rd	Barnes Rd to Talla Rd	2.5	Construction	NA	2(U)	2	HURF	\$ -	\$ -	\$ 500,000	\$ -	\$ 500,000	Amend - Advance Work Year from 2025 to 2018. Change name of project from Stanfield Rd - Clayton Rd to Kortsen Rd to Stanfield Rd - Barnes Rd to Talla Rd. Changed length of project from 1.0 miles to 2.5 miles. Changed from Developer funded to HURF funded.
2019	ADOT	I-10 Early to I-8	MP 186 - MP 189	3	Construction	Interstate	4	6	ADOT STP	\$40,000,000				\$40,000,000	Amend - Advance Construction from FY2022 to 2019.

July 22, 2016

Ms. Karla S. Petty
Division Administrator
Federal Highway Administration
4000 North Central Avenue Suite1500
Phoenix, Arizona 85012-3500

Mr. Leslie T. Rogers
Regional Administrator
Federal Transit Administration
201 Mission Street, Suite1650
San Francisco, California 94105-1839

RE: FY 2016-2020 STIP, Amendment Number 44

Dear Ms. Petty & Mr. Rogers,

As the Governor's designee, I cordially request Amendment Number 44 of the FY 2016-2020 State Transportation Improvement Program (STIP). The project modifications are detailed in the attached document and were approved by the Sun Corridor Metropolitan Planning Organization on June 14, 2016

This amendment is in accordance with 23 CFR 450 and was developed based on a continuing, cooperative, and comprehensive transportation planning process in accordance with 23 USC 134 and section 5303 of the Federal Transit Act (49 USC 53). The changes made to the program, by this amendment, are either exempt or are regarded as minor project revisions that do not require conformity determination [40 CFR §93.126]. The funding for the projects in this amendment will not adversely impact the STIP Financial Plan.

Your prompt approval of this request will be greatly appreciated.

Sincerely,



Michael Kies P.E.

cc: Ed Stillings, FHWA
Denise Scafide, ADOT MPD
Patrick Stone, ADOT FMS

Dominique Paukowits, FTA
Dallas Hammit, ADOT
Eric Boyles, ADOT

Attachments



July 17, 2016

Mr. Mike Kies, Assistant Director
ADOT Multimodal Planning Division
206 S. 17th Avenue
Phoenix, Arizona 85007

Dear Mr. Kies:

The Sun Corridor Metropolitan Planning Organization (MPO) is requesting that the Federal Highway Administration and Federal Transit Administration initiate the process to make a new conformity determination with respect to a proposed amendment to the FY 2016-2025 Sun Corridor MPO Transportation Improvement Program (TIP) and the Regional Transportation Plan (RTP) 2040 for the Pinal County PM-10 and PM-2.5 nonattainment areas. On June 14, 2016, the Sun Corridor MPO Executive Board approved a new Finding of Conformity for the proposed amendment to the FY 2016-2025 Sun Corridor MPO TIP and RTP 2040.

On May 4, 2016, the Sun Corridor MPO transmitted a conformity assessment that included the 2016 Conformity Analysis for the FY 2016-2025 Sun Corridor MPO TIP and RTP 2040 to you for consultation.

In addition, the FY 2016-2025 Sun Corridor MPO TIP, RTP 2040, and the 2016 Conformity Assessment were made available on the Sun Corridor MPO website for the 30-day public review period beginning on May 4, 2016. No comments were received from the public.

Supporting documentation on the conformity assessment for the proposed amendment to the FY 2016-2025 Sun Corridor MPO TIP, RTP 2040, and 2016 Conformity Analysis, is enclosed. We look forward to a continuing close relationship with the State in meeting the transportation needs of our region.

If you have any questions, please contact Irene Higgs at (520) 705-5143.

Sincerely,

A handwritten signature in blue ink that reads "Irene Higgs".

Irene Higgs
Sun Corridor MPO Executive Director

Enclosure

cc: Charla Glendening, ADOT MPD
Bret Anderson, ADOT MPD
Leslie Rogers, FTA
Karla Petty, FHWA

SERVING: CASA GRANDE, COOLIDGE, ELOY, AND PINAL COUNTY

Sun Corridor Metropolitan Planning Organization
211 N. Florence St. 103, Casa Grande, AZ
520-705-5143 • www.scmmpo.org



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July 11, 2016

In Reply Refer To:
(727.2)

Phoenix Non-attainment Area
Western Pinal County Non-attainment Area
Maricopa Association of Governments
Sun Corridor Metropolitan Planning Organization
Conformity Finding

Mr. Dennis Smith, Executive Director
Maricopa Association of Governments
302 North First Avenue
Phoenix, Arizona 85003

Ms. Irene Higgs, Director
Sun Corridor Metropolitan Planning Organization
211 N Florence Street, Ste 103
Casa Grande, Arizona 85122

Dear Mr. Smith:

Dear Ms. Higgs:

In accordance with the Clean Air Act Amendments of 1990, a conformity finding of the transportation plans and programs in a non-attainment area is required of the U.S. Department of Transportation. Based on our evaluation of the Maricopa Association of Governments (MAG) and Sun Corridor Metropolitan Planning Organization (SCMPO) Metropolitan Planning Organizations (MPOs) finding of conformity and related documentation submitted in your June 27, 2016 letters, in coordination with the Environmental Protection Agency (EPA), the MPOs and the State Department of Transportation, the Federal Highway Administration and Federal Transit Administration have determined that the Phoenix, Arizona and the Casa Grande, Arizona urbanized areas have met the requirements of the EPA Transportation Conformity Rule (40 CFR Parts 51 and 93). This includes the West Pinal PM-10 and West Central Pinal PM-2.5 non-attainment areas, portions of which are located in each of the respective MPO Planning Area Boundaries as well as the Maricopa non-attainment and maintenance areas.

A Finding of Conformity is hereby made with respect to the subject FY2017-2021 Transportation Improvement Program (TIP) and amended 2035 Regional Transportation Plan as approved by MAG Regional Council on June 22, 2016 and the amended FY2016-2025 Transportation Improvement Program and Regional Transportation Plan 2040 as approved by the SCMPO Executive Board on June 14, 2016. A Finding of Conformity was made previously on the MAG Updated Regional Transportation Plan and Amended FY 2014-2018 TIP on July 9, 2015. The conformity finding for the SCMPO FY2016-2025 TIP and 2040 RTP was made on April 27, 2016.

This conformity determination is in effect until such time as a new determination is required either by new regulatory requirements, major revision of transportation plans, or a State Implementation Plan (SIP) revision.

Sincerely,



Karla S. Petty
Division Administrator

cc: Michael Kies ADOT (mkies@azdot.gov), Dominique Paukowits (FTA Region 9) , Colleen McKaughan EPA (mckaughan.colleen@epa.gov)



TO: Susanna Struble, Coolidge
Duane Eitel, Casa Grande
Lance Dunagan, Eloy
Kathy Borquez, Pinal Co.
Jerry James, ADOT Tucson District
Scott DiBiase, Pinal Co. Air Quality
Jill Dusenberry, Coolidge
Charla Glendening, ADOT
Dennis Smith, MAG

Leslie Rogers, Federal Transit Administration
Karla Petty, Federal Highway Administration
Mike Kies, ADOT
Henry Darwin, ADEQ
Ken Hall, Central Arizona Governments
Jerry Wamsley, U.S. EPA, Region IX
Dominique Paukowits, Federal Transit Administration
Ed Stillings, Federal Highway Administration

FROM: Irene Higgs, Sun Corridor MPO Acting Director

DATE: May 4, 2016

SUBJECT: Consultation on the Draft April 2016 Conformity Analysis and Proposed Amendment to the FY 2016-2025 Transportation Improvement Program and Regional Transportation Plan 2040

The Sun Corridor Metropolitan Planning Organization (MPO) is conducting consultation on the Draft April 2016 Conformity Analysis and Proposed Amendment to the FY 2016-2025 Transportation Improvement Program (TIP) and Regional Transportation Plan 2040. The Amendment involves several projects, including the advancement of the Arizona Department of Transportation I-10, Early Rd to Jct. I-8 construction project. Comments are requested by June 3, 2016.

The proposed Amendment requires a new conformity determination on the FY 2016-2025 TIP and Regional Transportation Plan 2040. The project modifications impact the modeling assumptions used in the most recent conformity analysis and a new regional emissions analysis for the Pinal County PM-10 and PM-2.5 nonattainment areas was conducted. The results of the analysis (see Attachment A) indicate that the amendment to the TIP and Regional Transportation Plan 2040 meet the transportation conformity requirements for PM-10 and PM-2.5 for the Pinal County nonattainment areas. A description of projects is provided in Attachment B.

If you have any questions or comments, please contact me at (520) 705-5143.

Attachment

cc: Dean Giles, MAG
Teri Kennedy, MAG

ATTACHMENT A

JUNE 2016 CONFORMITY ANALYSIS FOR AN AMENDMENT TO THE FY 2016-2025 SUN CORRIDOR MPO TRANSPORTATION IMPROVEMENT PROGRAM AND REGIONAL TRANSPORTATION PLAN 2040

The Sun Corridor Metropolitan Planning Organization is conducting consultation on the Draft April 2016 Conformity Analysis for an Amendment to the FY 2016-2025 Sun Corridor MPO Transportation Improvement Program (TIP) and Regional Transportation Plan 2040 (RTP). The Draft April 2016 Conformity Analysis indicates that the Amendment to the TIP and RTP satisfies the criteria specified in the federal transportation conformity rule for a conformity determination. A finding of conformity is therefore supported.

The federal conformity regulations at 40 CFR Parts 51 and 93 specify the criteria and procedures for conformity determinations for transportation plans, programs, and projects and their respective amendments. Under the federal transportation conformity rule, the principal criteria for a determination of conformity for transportation plans and programs are: (1) the TIP and Regional Transportation Plan must pass an emissions budget test with a budget that has been found to be adequate or approved by the U.S. Environmental Protection Agency (EPA) for transportation conformity purposes, or an interim emissions test; (2) the latest planning assumptions and emissions models specified for use in air quality implementation plans must be employed; (3) the TIP and Regional Transportation Plan must provide for the timely implementation of transportation control measures (TCMs) specified in the applicable air quality implementation plans; and (4) consultation.

The latest conformity determination for the FY 2016-2025 Sun Corridor MPO Transportation Improvement Program and Regional Transportation Plan 2040 for the Pinal County PM-10 and PM-2.5 nonattainment areas was made by the Federal Highway Administration and Federal Transit Administration on April 25, 2016.

The results of the regional emissions analysis for the Pinal County PM-10 and PM-2.5 nonattainment areas are described below and in Table 1. Also, on September 10, 2013, EPA advised that MAG should include in conformity analyses the budgets from submitted plans, so that an adequacy finding on a submitted budget does not interfere with the conformity process. Table 2 includes the conformity test results using the budget from the Arizona Department of Environmental Quality 2015 West Pinal Moderate PM-10 Nonattainment Area State Implementation Plan (SIP) that was submitted to EPA on December 21, 2015.

Pinal County Nonattainment Areas Regional Emissions Analysis

For the Pinal County PM-10 and PM-2.5 nonattainment areas, there are no adequate or approved motor vehicle emissions budgets for conformity. Therefore, the conformity interim emissions tests were applied. In selecting analysis years, the transportation conformity rule indicates that the years must be no more than ten years apart, the first year must be no more than five years beyond the year in which the conformity determination is being made, and the last year must be aligned with the transportation plan. The last year of the Sun Corridor RTP is 2040 and the last year of the MAG RTP is 2035. Therefore, the baseline and action tests were conducted for PM-10 for the West Pinal PM-10 Nonattainment Area and for PM-2.5 and NO_x for the West Central Pinal PM-2.5 Nonattainment Area for the analysis years of 2020, 2030, 2035 and 2040. For each test, the required emissions estimates were developed using the transportation and emission modeling approaches required under the federal transportation conformity rule.

The Maricopa Association of Governments and the Sun Corridor Metropolitan Planning Organization have coordinated on the inputs to the transportation model as well as consultation on the conformity analysis. Both the MAG Metropolitan Planning Area Boundary and the Sun Corridor Metropolitan Planning Area Boundary include portions of the West Pinal PM-10 Nonattainment Area and West Central Pinal PM-2.5 Nonattainment

Area. Both nonattainment areas are covered by the boundaries of the two metropolitan planning organizations. Since MAG is also proposing a Draft FY 2017-2021 Transportation Improvement Program and a Draft Amendment to the 2035 MAG Regional Transportation Plan, transportation conformity is required to be demonstrated for both nonattainment areas by both metropolitan planning organizations.

For PM-10, the projected emissions for the action scenario are not greater than the projected emissions for the baseline scenario for each of the years analyzed: 2020, 2030, 2035 and 2040. Since the PM-10 emissions predicted for the action scenarios are not greater than the PM-10 emissions predicted for the baseline scenarios, the conformity interim emission test is satisfied. It is also reasonable to expect the action emissions would not exceed the baseline emissions for the time periods between the analysis years. In addition, Table 2 includes the conformity test results using the budget from the 2015 West Pinal Moderate PM-10 Nonattainment Area SIP that was submitted to EPA on December 21, 2015. On September 10, 2013, EPA advised that MAG should include in conformity analyses the budgets from submitted plans, so that an adequacy finding on a submitted budget does not interfere with the conformity process. A comparison of the conformity test results using the 2018 budget from the 2015 West Pinal Moderate PM-10 Nonattainment Area SIP indicates that the total vehicle-related emissions for 2018, 2020, 2030, 2035, and 2040 also meet this budget.

For PM-2.5, the projected emissions for the action scenario are not greater than the projected emissions for the baseline scenario for each of the years analyzed: 2020, 2030, 2035 and 2040. Since the PM-2.5 emissions predicted for the action scenarios are not greater than the PM-2.5 emissions predicted for the baseline scenarios, the conformity interim emission test is satisfied. It is also reasonable to expect the action emissions would not exceed the baseline emissions for the time periods between the analysis years.

For NO_x, the projected emissions for the action scenario are not greater than the projected emissions for the baseline scenario for each of the years analyzed: 2020, 2030, 2035 and 2040. Since the NO_x emissions predicted for the action scenarios are not greater than the NO_x emissions predicted for the baseline scenarios, the conformity interim emission test is satisfied. It is also reasonable to expect the action emissions would not exceed the baseline emissions for the time periods between the analysis years.

Latest Planning Assumptions and Emissions Models

In accordance with federal conformity requirements, the latest planning assumptions and emissions models specified for use in air quality implementation plans were employed for this conformity determination. The latest planning assumptions used for this conformity determination are consistent with the January 2014 MAG Conformity Analysis for the FY 2014-2018 Transportation Improvement Program and the 2035 Regional Transportation Plan and the January 2014 Sun Corridor Metropolitan Planning Organization 2014 Conformity Analysis, with the following exceptions:

1. On October 7, 2014, EPA published a notice of availability of the MOVES2014 mobile source emissions model which began a two-year grace period that ends on October 7, 2016, after which MOVES2014 is required to be used for transportation conformity. EPA released a revised version, MOVES2014a, on November 4, 2015. The November 2015 version of MOVES2014a is used for this regional emissions analysis. MAG has also developed a MOVESLink2014 model that coordinates the TransCAD traffic assignment output with the MOVES2014a model.
2. The most recently available vehicle registration data was used in this conformity analysis. July 2015 vehicle registration data was obtained from the Arizona Department of Transportation (ADOT) for both Maricopa County

and Pinal County.

3. MOVES2014a "Regulatory Class" output was used with the July 2015 vehicle registration data to estimate VMT distributions by weight-based vehicle class for each conformity traffic assignment. These vehicle weights were used to calculate the paved road PM-10 emissions in the Maricopa PM-10 Nonattainment Area for the budget analysis in 2015, 2025, and 2035 and in the Pinal PM-10 Nonattainment Area for the action and baseline scenarios in 2020, 2030 and 2040. The 2035 paved road emissions estimates were interpolated using the 2030 and 2040 values.

4. The latest transportation projects included in the Draft MAG FY 2017-2021 TIP and 2035 RTP, as well as projects in the Sun Corridor MPO FY 2016-2025 TIP and RTP 2040, were coded in the 2020, 2030, and 2040 traffic assignments used to estimate the action scenario emissions. The 2035 action scenario emissions were interpolated using the 2030 and 2040 values.

The traffic network coded in the 2020, 2030 and 2040 traffic assignments used to estimate baseline emissions for the Pinal PM-10 and PM-2.5 nonattainment areas includes regionally significant highways open to traffic, as well as transit service in operation, by December 31, 2015. In accordance with Section 93.119(h) of the EPA conformity regulations, the baseline network also includes all regionally significant projects in the Pinal PM-10 Nonattainment Area, regardless of funding source, which are currently under construction or undergoing right-of-way acquisition by April 1, 2016; are MAG TIP or Sun Corridor MPO projects coded in the 2015 traffic assignment used in the prior 2016 conformity analysis, but are no longer included in the 2015 assignment to be used in the April 2016 conformity analysis; or have completed the National Environmental Policy Act (NEPA) process. The 2035 baseline emissions estimates were interpolated using the 2030 and 2040 values.

Emission reduction credit for projects in the Draft FY 2017-2021 MAG TIP and the 2035 Regional Transportation Plan that pave unpaved roads in the Pinal PM-10 Nonattainment Area has been assumed in this conformity analysis for the 2020, 2030, 2035 and 2040 action scenarios. In addition, emission reductions for paving projects in the Sun Corridor MPO FY 2016-2025 TIP and Regional Transportation Plan 2040 are applied to the 2020, 2030, 2035 and 2040 action scenarios.

All analyses were conducted using the latest planning assumptions and emissions models in force at the time the conformity analysis began on April 1, 2016. A summary of the latest planning assumptions, including population, employment, and vehicle registrations data used in the regional emissions analysis, is provided in Table 3.

Timely Implementation of Transportation Control Measures

As noted in the 2014 Sun Corridor Conformity Analysis, a status report on Transportation Control Measures (TCMs) is not necessary since there are no applicable plans for the West Pinal PM-10 Nonattainment Area and West Central Pinal PM-2.5 Nonattainment Area.

Consultation

In compliance with federal and state rules, the Sun Corridor MPO is required to provide reasonable opportunity for consultation with state air and transportation agencies, local agencies, U.S. Department of Transportation, Environmental Protection Agency, and other interested parties. A 30-day consultation period is being provided on the Draft April 2016 Conformity Analysis and the Amendment to the FY 2016-2025 Sun Corridor MPO Transportation Improvement Program and Regional Transportation Plan 2040. Consultation is concluded by notifying the agencies and other interested parties of any approval action taken by the Sun Corridor MPO Executive Board and any comments received during the period of consultation.

TABLE I.
 CONFORMITY INTERIM EMISSION (ACTION/BASELINE) TEST RESULTS
 (KILOGRAMS/DAY)
 PINAL COUNTY PM NONATTAINMENT AREAS

	PM-10 Nonattainment Area	PM-2.5 Nonattainment Area	
Pollutant	PM-10	PM-2.5	NOx
2020			
- Action	112,019	25	1,040
- Baseline	113,972	26	1,095
2030			
- Action	124,159	19	824
- Baseline	126,231	23	1,042
2035			
- Action	131,205	23	900
- Baseline	133,278	27	1,286
2040			
- Action	138,907	27	977
- Baseline	140,840	31	1,529

TABLE 2.
 CONFORMITY TEST RESULTS USING THE SUBMITTED BUDGET
 FOR PM-10 (TONS/YEAR) FOR INFORMATIONAL PURPOSES
 PINAL COUNTY NONATTAINMENT AREA

Pollutant	PM-10
Year - Scenario	2018 ^a
Budget Test ^b	27,987.1
2018	25,846.1
2020	24,622.7
2030	21,005.3
2035	24,083.1
2040	27,368.5

- a The 2015 West Pinal Moderate PM-10 Nonattainment Area State Implementation Plan (SIP), submitted to EPA by the Arizona Department of Environmental Quality (ADEQ) on December 21, 2015, establishes a 2018 emissions budget of conformity 27,987.1 tons per year. On September 10, 2013, EPA advised that MAG should include in conformity analyses the budgets from submitted plans, so that an adequacy finding or approval of a submitted budget does not interfere with the conformity process.
- b The vehicle exhaust, tire wear and brake wear emissions are calculated by applying MOVES2014a to the latest versions of the 2018, 2020, 2030 and 2040 traffic assignments in the West Pinal PM-10 Nonattainment Area (NA). The 2035 exhaust, tire wear and brake wear emissions are estimated by interpolating the 2030 and 2040 values. The reentrained dust emissions from paved roads included in the 2018 conformity budget are increased by applying the growth in vehicle miles of travel (VMT) in the West Pinal PM-10 NA between 2018 and 2020, 2030, 2035 and 2040. The 2018 reentrained dust emissions from public and private unpaved roads are increased by 1.57% per year, which is the annual growth rate between 2008 and 2018 that was used to establish the public and private unpaved road emissions in the 2018 conformity budget. The road construction emissions in the 2018 budget are held constant through 2040. Emission reductions are applied in 2018, 2020, 2030, 2035 and 2040, based on the West Pinal PM-10 Nonattainment Area General Fugitive Dust Rule (FDR), included in Appendix I of the ADEQ 2015 West Pinal Moderate PM-10 NA SIP, that requires 15 miles of unpaved roads with traffic volumes greater than 150 ADT to be paved each year beginning in 2016.

TABLE 3. LATEST PLANNING ASSUMPTIONS FOR MAG CONFORMITY DETERMINATIONS

<u>Assumption</u>	<u>Source</u>	<u>MAG Models</u>	<u>Next Scheduled Update</u>
Population and Employment	Under the Governor's Executive Order 2011-04, official County projections are updated every 3 to 4 years. These official projections are used by all agencies for planning purposes. Following the release of the 2010 U.S. Census data, the Arizona Department of Administration (ADOA) prepared a new set of Maricopa County projections in December 2012. MAG developed a set of employment projections for Maricopa County that are consistent with the ADOA population projections and also prepared subcounty population and employment projections. The MAG Regional Council approved the subcounty socioeconomic projections in June 2013. In addition, Central Arizona Governments (CAG) approved the Pinal County subcounty socioeconomic projections, based on the ADOA Pinal County projections, in June 2013.	AZ-SMART (UrbanSim/OPUS)	Under the Governor's Executive Order 2011-04, official county socioeconomic projections will be developed by the Arizona Department of Administration (ADOA). The ADOA completed the county level projections in 2015 and in early 2016 MAG prepared the subcounty socioeconomic projections. The MAG Regional Council approved the subcounty socioeconomic projections in June 2016.
Traffic Counts	The highway models were validated in 2013 for the 2011 base year, using approximately 3,300 traffic counts collected in 2011.	TransCAD	Region-wide traffic counts are typically collected by MAG every 2-4 years, if funds are available.
Vehicle Miles of Travel	The passenger travel demand models were calibrated in 2012-2013 using data from the 2008-2009 home interview survey, 2009 Transearch data, 2010-2011 regional transit on-board survey, 2011 Truck GPS data, and 2012 Airport and ASU surveys. The recalibration effort included a complete update of the regional travel demand model based on the relevant data sets listed above. Trip generation and trip distribution were recalibrated based on the 2008-2009 National Household Travel Survey Arizona Add-On sample and 2006 - 2009 American Community Survey and Public Use Microdata Sample data sets. Mode choice was recalibrated based on the 2010 on-board survey. The truck model was recalibrated based on the new 2009 Transearch data and 2011 Truck GPS data from ATRI. Special generator sub-models were recalibrated based on 2012 regional airports and ASU travel surveys. The external travel model was recalibrated in 2011 based on the 2008 external travel study. Volume-delay functions were recalibrated in 2012-2013 based on the 2011 commercial speed data. The overall base year for the recalibrated and validated model is 2011.	TransCAD	MAG has completed a major update, development and recalibration of the regional transportation model in FY 2013. The FY 2014 Unified Planning Work Program (UPWP) includes funding for the initiation of the next series of travel surveys in calendar years 2014-2016. These surveys will form a foundation for the next round of model development and updates. Various commercial data sources will be used to maintain and incrementally update the models in between the major recalibration updates. The 2016 MAG Household Travel Survey is currently underway and it is anticipated it will take 1 1/2 to 2 years to complete the Survey, test and include the results in the regional transportation model.
Speeds	The highway models were validated using 49 million traffic speed records purchased from NOKIA for calendar year 2011.	TransCAD	Travel speed studies are conducted periodically to validate the transportation models. MAG has also purchased commercial speed data for future estimation and model calibration purposes.
Vehicle Registrations	July 2015 vehicle registrations were provided by ADOT.	MOVES2014a	When newer data become available from ADOT.
Implementation Measures	Latest implementation status of commitments in prior SIPs.	N/A	Updated for every conformity analysis.

ATTACHMENT B

Amendment to the Sun Corridor MPO 2016 - 2025 Transportation Improvement Program (TIP) and Regional Transportation Plan 2040

TIP YEAR	PROJECT SPONSOR	PROJECT NAME	PROJECT LOCATION	LENGTH	TYPE OF WORK	FUNC CLASS	LANES BEFORE	LANES AFTER	FUNDING TYPE	FEDERAL FUNDS	LOCAL MATCH	LOCAL FUNDS	OTHER FUNDS	TOTAL COST	NOTES
2016	Casa Grande	Isom Rd: Arica Rd to Peart Rd	Arica Rd to Peart Rd	0.8	Dust Palliative on Unpaved Road		2(U)	2(U)	HURF			\$ 160,000		\$ 160,000	Amend - Add new Dust Palliative project to FY2016 for \$160,000 - HURF funded.
2016	Coolidge	Bartlett Rd	La Palma Rd to Skousen	1.56	Dust Palliative on Unpaved Road		2(U)	2(U)	HURF	\$ -	\$ -	\$ 312,000	\$ -	\$ 312,000	Amend - Add new Dust Palliative Project to FY2016 for \$312,000 - HURF funded.
2016	Coolidge	Curry Rd	Canal to SR87	1.93	Dust Palliative on Unpaved Road		2(U)	2(U)	HURF			\$ 386,000		\$ 386,000	Amend - Add new Dust Palliative project to FY2016 in the amount of \$386,000 - HURF funded
2017	Coolidge	Macrae Rd	Martin Rd to Coolidge Ave	1.08	Dust Palliative on Unpaved Road		2(U)	2(U)	HURF			\$ 216,000		\$ 216,000	Amend - Add new Dust Palliative project to FY2017 for \$216,000 - HURF funded
2017	Coolidge	Coolidge Ave	Macrae Rd to Skousen Rd	1	Dust Palliative on Unpaved Road		2(U)	2(U)	HURF			\$ 200,000		\$ 200,000	Amend - Add new Dust Palliative project to FY2017 for \$200,000 - HURF funded
2017	Pinal Co	Tweedy Rd	Hanna Rd to Comman Rd	1	Dust Palliative	HURF	2(U)	2(U)	HURF	\$ -	\$ -	\$ 200,000	\$ -	\$ 200,000	Amend - Add new Dust Palliative project to FY2017 for \$200,000 - HURF funded
2018	Eloy	Main Street Reconstruction	Main Street - Frontier Rd - to Battaglia Dr.	4	Re-Construction	Urban-Collector	4	2	STP	\$ 2,495,883	\$ 150,865	\$ -	\$ 4,302,201	\$ 8,668,949	Amend - Delete project from TIP; cancelled by City of Eloy.
2017	Pinal Co	McCartney Rd	I-40 to Evans Rd	3.4	Design	Major-Collector	2	3	Local	\$ -	\$ -	\$ 300,000	\$ -	\$ 300,000	Amend - Per Pinal County delete project from TIP. The project scope has been scaled back to only add turn lanes.
2016	Pinal Co	Arica Rd	Arica Rd: Trekell Rd to .7 miles South on Isom Rd	1.4	Dust Mitigation	Local	2	2	Exercise Tax	\$ -	\$ -	\$ 200,000	\$ -	\$ 200,000	Amend - Advance construction from FY2017 to FY2016. Update cost of project from \$150,000 to \$200,000 - Exercise Tax
2018	Pinal Co	McCartney Rd	I-40 to Evans Rd	3.4	Reconstruction	Major-Collector	2	3	Local	\$ -	\$ -	\$ 3,200,000	\$ -	\$ 3,200,000	Amend - Per Pinal County delete project from TIP. The project scope has been scaled back to only add turn lanes.
2018	Pinal Co	Stanfield Rd	Barnes Rd to Tallia Rd	2.5	Construction	NA	2(U)	2	HURF	\$ -	\$ -	\$ 500,000	\$ -	\$ 500,000	Amend - Advance Work Year from 2025 to 2018. Change name of project from Stanfield Rd - Clayton Rd to Kortsen Rd to Stanfield Rd - Barnes Rd to Tallia Rd. Changed length of project from 1.0 miles to 2.5 miles. Changed from Developer funded to HURF funded.
2019	ADOT	I-10 Early to I-8	MP 196 - MP 199	3	Construction	Interstate	4	6	ADOT STP	\$40,000,000				\$40,000,000	Amend - Advance Construction from FY2022 to 2019.