



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

ARIZONA DIVISION

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February 18, 2016

In Reply Refer To:
(TRAP 37 - STIP)
Arizona FY 2016-2019
Statewide Transportation Improvement Program (STIP)
Approval of Amendment No. 16

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

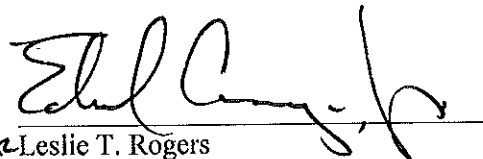
Dear Mr. Kies:


We have reviewed your January 29, 2016 request to amend the FY 2016-2019 Statewide Transportation Improvement Program (STIP) to include the enclosed tables of projects approved by the Maricopa Association of Governments Regional Council as a Transportation Improvement Program amendment on January 27, 2016.

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 are either exempt or are regarded as minor project revisions that do not require conformity determination [40 CFR §93.126]. The most recent conformity determination which was made on July 9, 2015 remains in effect.

This letter constitutes approval and inclusion of Amendment 16 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. Please note that this letter constitutes approval of the amendment with the understanding that FTA funding on individual projects is subject to the grantees meeting the administrative and statutory requirements.

Sincerely yours,


For Leslie T. Rogers
FTA Regional Administrator


Karla S. Petty
FHWA Division Administrator

Enclosure

ecc: agoock@azdot.gov; lpounds@azdot.gov; pstone@azdot.gov; banderson@azdot.gov;
mkies@azdot.gov

ecc: EStillings, RTruely, TDeitering, AHansen, EChan, LPatton, KLaRosa, TWilson, RYedlin, KPetty
ESS:cdm



Multimodal Planning

Doug A. Ducey, Governor
John S. Hallkowski, Director
Michael Kies, Division Director

January 29, 2016

FEB 5 - 2016

Ms. Karla S. Petty
Division Administrator
Federal Highway Administration
4000 North Central Avenue Suite 1500
Phoenix, Arizona 85012-1906

Mr. Leslie T. Rogers
Regional Administrator
Federal Transit Administration
90 Seventh Street, Suite 15-300
San Francisco, CA 94103-6701

RE: FY 2016 - 2020 State Transportation Improvement Program (STIP), Amendment Number 16

Dear Ms. Petty and Mr. Rogers:

As the Governor's designee, I approve the Transportation Improvement Program (TIP) Amendments Number 16 requested by the Maricopa Associations of Governments (MAG) as approved by their Regional Council on January 27, 2016. I cordially request Amendment Number 16 of the FY 2016 - 2020 State Transportation Improvement Program (STIP) to reflect the changes.

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 these amendments as shown in Tables A, B and C, are either exempt or are regarded as minor project revisions that do not require conformity determination [40 CFR §93.126]. The funding for these 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
Multimodal Planning Division

cc: Ed Stillings, FHWA
Eric Boyles, ADOT
Mike Normand, ADOT

Dominique Paukowits, FTA
Patrick Stone, ADOT
Teri Kennedy, MAG

Enclosures (1)

TABLE C: Requested amendments and administrative modifications to the
FY 2014-2018 MAG Transportation Improvement Program (TIP), and the 2035 Regional Transportation Plan¹, TIP AMENDMENT #16

TIP Amendment #16																			Reviewed				
Agency	Section	Work Year ⁴	TIP ID	MAG ID	Location	Work	Miles	Lanes Before	Lanes After	Federal ID/ALI	In Life Cycle Program	TRACS/Grant ID	MAG Mode	Funding	Apport. Year ³	Federal	Regional	Local	Total	TIP Change Request	T	M	R
																					R	C	C
ADOT	Highway	2014	DOT15-406	38329	17: MP 198 to MP 208.9 (19th Ave - Arizona Canal Trail)	Design Pavement Preservation	10.9	8	8	---	5-year	---	Freeway	NHPP	2014	794,949	-	48,051	843,000	Amendment: Increase costs by \$493,189/\$29,811 federal/local. Project scope was updated to include: Guardrail/End Treatments improvements, Asphaltic Concrete overlay, additional signage, structural modification to pedestrian railings and deck joints on existing bridges to comply with ADA Requirements, and structural details to modify existing 32" median barrier with glare screen to 44" barrier without glare screen.	✓	✓	✓
ADOT	Highway	2015	DOT15-414D	13018	85: Gila Bend Airport - MP 130.42	Design pavement preservation	8.9	4	4	----	5-year	----	Freeway	NHPP	2015	99,958	-	6,042	106,000	Amendment: Add a new pavement preservation design project in FY 2015 for \$106,000. This project was inadvertently deleted from the TIP.	✓	✓	✓
ADOT	Highway	2016	DOT15-414D2	13018	85: Gila Bend Airport - MP 130.42	Design pavement preservation	8.9	4	4	----	5-year	----	Freeway	NHPP	2016	22,632	-	1,368	24,000	Amendment: Add a new pavement preservation funding in FY 2016 for \$24,000.	✓	✓	✓
ADOT	Highway	2017	DOT16-437	20301	88: Apache Junction - Tortilla Flat	Spot Safety Improvements	9	2	2	---	5-year	---	Freeway	HSIP-AZ	2017	2,185,000	-	-	2,185,000	Amendment: Defer project from FY2016 to FY2017. The environmental process is still underway and will delay advertisement of the project. Change MAG Mode to Freeway.	✓	✓	✓
ADOT	Highway	2017	DOT16-438	20301	88: Apache Junction - Tortilla Flat	Construct Pavement Preservation	9	2	2	---	5-year	---	Freeway	NHPP	2017	5,489,400	-	330,600	5,800,000	Amendment: Defer project from FY2016 to FY2017. The environmental process is still underway and will delay advertisement of the project. Change MAG Mode to Freeway.	✓	✓	✓
ADOT	Highway	2016	DOT16-470	5872	Alma School Rd @ UPRR 741-850B, Mesa, AZ	ROW Acquisition (\$40k) and Railroad/Mesa Construction (\$740k)	0.1	6	6	---	5-year	SR231	Safety	STP-RGC	2016	780,199	-	17,168	797,367	Amend: Revise scope of work.	✓	✓	✓
ADOT	Highway	2016	DOT16-475	31098	Eagle Eye Rd., north of US60, Aguilera, AZ @ Arizona-California RR-025-904P.	Design-for-Rail-Safety-Project.	0.1	2	2	---	5-year	T0048	Safety	STP-RGC	2016	61,684	---	3,306	65,000	Amend: Delete project. Project completed by railroad.	✓	✓	✓
ADOT	Highway	2016	DOT16-476	31098	Eagle Eye Rd., north of US60, Aguilera, AZ @ Arizona-California RR-025-904P.	Railroad-Only-Construction-of-Rail-Safety-Project.	0.1	2	2	---	5-year	T0048	Safety	STP-RGC	2016	118,648	---	5,963	124,611	Amend: Delete project. Project completed by railroad.	✓	✓	✓
ADOT	Highway	2016	DOT16-GAN09	2393	MAG regionwide	STP-MAG funds available for repayment of GANs or AC projects	0	0	0	---	RFHP	---	Freeway	STP-MAG	2016	12,586,400	(12,586,400)	-	-	Admin: Reduce estimated payment by \$108,600 to \$12,586,400.	✓	✓	✓
ADOT	Highway	2016	DOT16-477	4097	Paradise Valley (Townwide)	Traffic & Criminal Software (TraCS), Paradise Valley PD electronic crash data transmission	0	0	0	----	5-year	----	Safety	HSIP-AZ	2016	50,000	-	-	50,000	Amendment: Add a new software project in FY 2016 for \$50,000.	✓	✓	✓

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Sort: Section, Agency, Location, Work Year

TIP Amendment #16																				Reviewed By ²			
Agency	Section	Work Year ⁴	TIP ID	MAG ID	Location	Work	Miles	Lanes Before	Lanes After	Federal ID/ALI	In Life Cycle Program	TRACS/Grant ID	MAG Mode	Funding	Apport. Year ³	Federal	Regional	Local	Total	TIP Change Request	T R C	M	R
Chandler	Highway	2016	CHN16-403	43703	Area bounded by Dobson Rd, Alma School Rd, Elliot Rd and Warner Rd	Pave dirt road	15.3	2	2	CHN-0(234)D	None	SZ163 01C/01D	Air Quality	CMAQ	2016	570,515	-	34,485	605,000	Amend: Correct local match to \$34,485.	✓	✓	✓
Florence	Highway	2016	FLO14-402	48365	Main Street Ruggles St to Butto Ave	Construct Roadway Improvements	0.25	2	2	---	5-year	---	Street	STP-TEA	2016	500,000	-	30,223	530,223	Amend: Defer project from 2015 to 2016 per ADOT request	✓	✓	✓
Glandale	Highway	2018	GLN16-404	35959	Thunderbird Paseo Pathway at Sweetwater Ave, Thunderbird Paseo Pathway at Heam Rd, Thunderbird Paseo Pathway at 71st Ave, Sk	Construct multiple access points to pathways	0	0	0	---	None	---	Bike/Pod	CMAQ	2018	107,832	-	234,456	342,288	Amend: Defer construction to FFY 2018 to accommodate for potential Section 404 Permit delay. Local costs are also updated.	✓	✓	✓
Glandale	Highway	2018	GLN16-405	26638	Now River North Shared Use Pathway, Patrick Ln to Hillcrest Blvd	Construct multiuse path and canal crossing	0.25	0	0	---	None	---	Bike/Pod	CMAQ	2018	330,850	-	181,531	512,381	Amend: Defer construction to FFY 2018 to accommodate for potential Section 404 Permit delay. Local costs are also updated.	✓	✓	✓
Glandale	Highway	2016	GLN16-408	30579	Citywide	Update Safe Routes to School Maps	0	0	0	GLN-0(251)D	None	T0024 01X	Safety	TAP-MAG	2016	75,346	-	4,554	79,900	Amend: Defer project from 2015 to 2016 per ADOT request	✓	✓	✓
Maricopa (City)	Highway	2018	MAR15-402	15724	MCG Highway; Porter Road to White and Parker	Construct Roadway Widening (Balance of CAG Awarded Funding)	1	2	4	---	None	---	Street	STP-MAG	2018	28,000	-	1,700	29,700	Admin: Change work description to clarify source of funding. No change in work.	✓	✓	✓
Maricopa (City)	Highway	2018	MAR15-402C2	15724	MCG Highway; Porter Road to White and Parker	Construct Roadway Widening (MAG Awarded Pinal County STP Funding)	1	2	4	---	None	---	Street	STP-MAG	2018	2,000,000	-	251,256	2,251,256	Admin: Change work description to clarify source of funding. No change in work. Reduce local funding by \$541,357 for MAR15-402C3.	✓	✓	✓
Maricopa (City)	Highway	2018	MAR15-402C3	15724	MCG Highway; Porter Road to White and Parker	Construct Roadway Widening (Special Projects Fund)	1	2	4	---	None	---	Street	STP-MAG	2018	510,500	-	30,857	541,357	Amend: Add new workphase with additional STP-MAG funding from the Special Projects Fund approved by RC 9/30/2015. Costs originally shown as local costs in MAR15-402C2.	✓	✓	✓
Maricopa County	Highway	2016	MMA15-404	2415	Countywide at Madison Rose, Madison Heights & Joseph Zito Elementary Schools	Purchase educational materials, incentives and services	0	0	0	MMA-0(257)F	None	SF043 01D/01X	Safety	TAP-MAG	2016	124,191	-	9,507	133,698	Amend: Defer project from 2015 to 2016 per ADOT request.	✓	✓	✓
Mesa	Highway	2015	MES15-441C	40596	Rio Salado Segments 3 and 4; SR101 to Dobson Road	Construct multi-use pathway and lighting/safety improvements to tunnel at SR202/Wrigleyville West Entrance	1.35	0	0	CM-MES-0(227)T	None	SZ080 01C	Bike/Pod	CMAQ	2015	1,599,999	-	462,636	2,062,635	Amend: Combine Rio Salado Segments 3 and 4 into one project utilizing both CMAQ and TAP-MAG funding. Update location and work description to reflect combined project.	✓	✓	✓

TABLE C: Requested amendments and administrative modifications to the
FY 2014-2018 MAG Transportation Improvement Program (TIP), and the 2035 Regional Transportation Plan¹, TIP AMENDMENT #16

TIP Amendment #16																				Reviewed			
Agency	Section	Work Year ¹	TIP ID	MAG ID	Location	Work	Miles	Lanes Before	Lanes After	Federal ID/ALI	In Life Cycle Program	TRACS/Grant ID	MAG Mode	Funding	Apport. Year ²	Federal	Regional	Local	Total	TIP Change Request	By ²		
																					T	M	R
Mesa	Highway	2015	MES16-404	40596	Rio Salado Segments 3 and 4; SR101 to Dobson Road	Construct multi-use pathway and lighting/safety improvements to tunnel at SR202/Wrigleyville West Entrance	1.35	0	0	CM-MES-0(227) T	None	SZ080 01C	Bike/Ped	TAP-MAG	2015	1,585,674	-	275,388	1,861,062	Amend: Combine Rio Salado Segments 3 and 4 into one project utilizing both CMAQ and TAP-MAG funding. Update location and work description to reflect combined project.	✓	✓	✓
Pinal County	Highway	2015	PNL14-410D2	44178	Midway Rd from Gila Bond Highway to Casa Grande City limits.	Design Roadway Paving.	1.5	2	2	PPN-0(211) T	None	SZ147 01C/01 D	Air Quality	CMAQ	2016	46,735	-	2,825	49,560	Amend: Design engineering cost estimate increased. Increase federal funding by \$46,735 and local by \$2,825 on design work phase, decrease funding on construction work phase. Total Design is \$183,470 federal, \$11,900 local. Design authorized late in FFY2015.	✓	✓	✓
Pinal County	Highway	2017	PNL15-410	44178	Midway Rd from Gila Bond Highway to Casa Grande City limits.	Pave Unpaved Roadway.	1.5	2	2	PPN-0(211) T	None	SZ147 01C/01 D	Air Quality	CMAQ-2.5	2017	1,132,015	-	158,935	1,290,950	Amend: Design engineering cost estimate increased. Increase federal funding by \$46,735 and local by \$2,825 on design work phase, decrease federal funding on construction work phase.	✓	✓	✓
Surprise	Highway	2016	SUR15-402	3193	Arizona Charter Academy - Surprise	Procure consultant services to conduct SRTS Study	0	0	0	SUR-0(220) T	None	SF045 01D/01 X	Safety	TAP-MAG	2016	66,482	-	6,019	72,501	Amend: Defer project from 2015 to 2016 per ADOT request.	✓	✓	✓
Surprise	Highway	2016	SUR16-404	676	Dysart Elementary School District: Citywide	Safe Routes to School Support Activity project: Crosswalk Safety Equipment	0	0	0	---	None	---	Safety	TAP-MAG	2016	10,373	-	627	11,000	Amend: Defer project from 2015 to 2016 per ADOT request.	✓	✓	✓
Tempe	Highway	2016	TMP15-403	27276	Various locations in Tempe	Implementation of Regional Bike Share, including procuring bikes, kiosks, racks, etc.	0	0	0	TMP-0(244) D	None	SZ173 01D/01 C	Bike/Ped	CMAQ	2016	636,525	-	550,000	1,186,525	Amend: Defer project from 2015 to 2016. Project did not authorize in 2015. Project received closeout funding in 2015. Reduce federal funding and increase local funding by \$482,368.	✓	✓	✓
Phoenix	Transit	2015	PHX15-447T	23260	Regionwide	700 MHz Transit Communications Upgrade	0	0	0	11.42.20	TLCP	---	Transit Bus	5307	2015	5,633,809	1,408,452	-	7,042,261	Clarification: Change TIP ID to PHX15-447T to correct duplication.	✓	✓	✓
Phoenix	Transit	2015	PHX15-442T	47757	Regionwide	Preventive Maintenance	0	0	0	44.7A.00	None	---	Transit Bus	5339	2015	1,025,224	---	256,306	1,281,530	Amend: Delete Project; NOT ELIGIBLE UNDER SECTION 5339; move funding to PHX15-436T. Move vehicle purchases.	✓	✓	✓
Phoenix	Transit	2015	PHX15-423T	8434	Regionwide	Purchase bus: standard 40 foot - 11 replace	0	0	0	11.12.01	None	---	Transit Bus	5339	2015	4,862,000	858,000	-	5,720,000	Amend: INCREASE Federal funding by \$884,000, local by \$165,000, increase buses from 9 to 11.(funding from PHX15-421T).	✓	✓	✓
Phoenix	Transit	2015	PHX15-426T	8434	Regionwide	Purchase bus: < 30 foot - 4 replace (dial-a-ride)	0	0	0	11.12.04	None	---	Transit Bus	5339	2015	197,324	66,676	-	264,000	Amend: INCREASE Federal funding by \$141,224 and local by \$56,776 to purchase 4 Additional buses. Funding from PHX15-105T.	✓	✓	✓

**TABLE C: Requested amendments and administrative modifications to the
FY 2014-2018 MAG Transportation Improvement Program (TIP), and the 2035 Regional Transportation Plan¹, TIP AMENDMENT #16**

TIP Amendment #16																				Reviewed By ²		
Agency	Section	Work Year ⁴	TIP ID	MAG ID	Location	Work	Miles	Lanes Before	Lanes After	Federal ID/ALL In Life Cycle Program	TRACS/Grant ID	MAG Mode	Funding	Apport. Year ³	Federal	Regional	Local	Total	TIP Change Request	T	M	R
																				R	C	C
Phoenix	Transit	2015	PHX15-438T	44311	Regionwide	Preventive Maintenance	0	0	0	11.7A.00	None	Transit Bus	5307	2015	5,462,515	-	1,365,629	6,828,144	Amend: INCREASE Federal funding by \$1,103,300, local by \$275,825. Funding from PHX15-442T.	✓	✓	✓
Phoenix	Transit	2015	PHX15-421T	8434	Regionwide	Purchase bus: standard 40 foot - 2 replace	0	0	0	11.12.01	None	Transit Bus	5307	2015	884,000	156,000	-	1,040,000	Amend: DECREASE Federal funding \$935,000 and local by \$165,000, move to PHX15-423T. Decrease buses from four to two.	✓	✓	✓
Phoenix	Transit	2015	PHX15-105T	8434	Regionwide	Purchase bus: < 30 foot - 18 replace (dial-a-ride)	0	0	0	11.12.04	TLCF	Transit Bus	5307	2015	1,009,800	178,200	-	1,188,000	Amend: DECREASE Federal funding \$809,200, local by \$142,800, move to PHX15-426T. Decrease buses from 21 to 18.	✓	✓	✓
Valley Metro Rail	Transit	2015	VMR14-108T	13425	Tempe Streetcar: Rio Salado Parkway to Apache Blvd/Dorsey Lane with Downtown Mill Ave/Ash Loop	Final Design	3	0	0	14.08.80	TLCF	Transit Rail	PTF	2015	-	3,800,688	-	3,800,688	Amend: Change funding from CMAQ-Flex to PTF. No change in total funding.	✓	✓	✓
Valley Metro Rail	Transit	2015	VMR14-434T	13425	Tempe Streetcar: Rio Salado Parkway to Apache Blvd/Dorsey Lane with Downtown Mill Ave/Ash Loop	Right-of-Way Acquisition	3	0	0	14.06.60	TLCF	Transit Rail	PTF	2015	-	1,200,000	-	1,200,000	Amend: Change funding from CMAQ-Flex to PTF. No change in total funding.	✓	✓	✓
Valley Metro Rail	Transit	2015	VMR14-435T	13425	Tempe Streetcar: Rio Salado Parkway to Apache Blvd/Dorsey Lane with Downtown Mill Ave/Ash Loop	Utility Relocation (Prior Rights)	3	0	0	14.04.40	TLCF	Transit Rail	PTF	2015	-	5,312,500	-	5,312,500	Amend: Change funding from CMAQ-Flex to PTF. No change in total funding.	✓	✓	✓
Valley Metro Rail	Transit	2018	VMR15-108T	13425	Tempe Streetcar: Rio Salado Parkway to Apache Blvd/Dorsey Lane with Downtown Mill Ave/Ash Loop	Construct Transitway	3	0	0	13.23.01	TLCF	Transit Rail	CMAQ-Flex	2016	935,222	233,805	-	1,169,027	Amend: Reduce funding from \$5,684,672/\$1,421,168 to \$935,222/\$233,805. Balance of federal funds \$4,749,450 moved to VMR15-401T2	✓	✓	✓
Valley Metro Rail	Transit	2023	VMR14-106T	49041	I-10 WEST Phoenix	Fixed guideway corridor - Phx West - Preliminary Engineering	0	0	0	13.71.02	TLCF	Transit Rail	CMAQ-Flex	2015	1,205,962	301,491	-	1,507,453	Amend: Reduce funding from \$8,205,962/\$2,051,491 to \$1,205,962/\$301,491. Balance of federal funds \$7,000,000 moved to VMR15-401T.	✓	✓	✓
Valley Metro Rail	Transit	2023	VMR15-105T	49041	I-10 WEST Phoenix	Fixed guideway corridor - Phx West - Final Design	0	0	0	13.71.02	TLCF	Transit Rail	CMAQ-Flex	2016	971,130	242,783	-	1,213,913	Reduce funding from \$7,971,130/\$1,992,783 to \$971,130/\$242,783. Balance of federal funds \$7,000,000 moved to VMR15-401T2.	✓	✓	✓
Valley Metro Rail	Transit	2023	VMR15-106T	49041	I-10 WEST Phoenix	Fixed guideway corridor - Phx West - Final Design	0	0	0	13.71.02	TLCF	Transit Rail	CMAQ-Flex	2017	1,423,100	355,775	-	1,778,875	Reduce funding from \$4,423,100/\$1,105,775 to \$1,423,100/\$355,775. Balance of federal funds \$3,000,000 moved to VMR15-401T3.	✓	✓	✓
Valley Metro Rail	Transit	2023	VMR18-429T	49041	I-10 WEST Phoenix	Fixed guideway corridor - Phx West - Final Design	0	0	0	-	TLCF	Transit Rail	CMAQ-Flex	2018	6,650,539	1,662,635	-	8,313,174	Reduce funding from \$9,650,539/\$2,412,635 to \$6,650,539/\$1,662,635. Balance of federal funds \$3,000,000 moved to VMR15-401T4.	✓	✓	✓

TABLE C: Requested amendments and administrative modifications to the
FY 2014-2018 MAG Transportation Improvement Program (TIP), and the 2035 Regional Transportation Plan¹, TIP AMENDMENT #16

Sort: Section, Agency, Location, Work Year

TIP Amendment #16																			Reviewed By ²				
Agency	Section	Work Year ⁴	TIP ID	MAG ID	Location	Work	Miles	Lanes Before	Lanes After	Federal ID/ALI	In Life Cycle Program	TRACS/Grant ID	MAG Mode	Funding	Apport. Year ³	Federal	Regional	Local	Total	TIP Change Request	T R C	M C	R C
Valley Metro Rail	Transit	2016	VMR15-401T	11715	Regionwide	Purchase Light Rail Vehicles: 8 Expansion	0	0	0	12.13.20	TLCP	----	Transit Rail	CMAQ-Flex	2015	15,250,550	3,234,965	-	18,485,515	Amend: Add new project using funding from VMR14-108T, VMR14-434T, VMR14-435T, and VMR14-106T.	✓	✓	✓
Valley Metro Rail	Transit	2016	VMR15-401T2	11715	Regionwide	Purchase Light Rail Vehicles: 8 Expansion	0	0	0	12.13.20	TLCP	----	Transit Rail	CMAQ-Flex	2016	11,749,450	2,492,307	-	14,241,757	Amend: Add new project using funding from VMR15-105T and VMR15-108T.	✓	✓	✓
Valley Metro Rail	Transit	2016	VMR15-401T3	11715	Regionwide	Purchase Light Rail Vehicles: 8 Expansion	0	0	0	12.13.20	TLCP	----	Transit Rail	CMAQ-Flex	2017	3,000,000	636,364	-	3,636,364	Amend: Add new project using funding from VMR15-106T.	✓	✓	✓
Valley Metro Rail	Transit	2016	VMR15-401T4	11715	Regionwide	Purchase Light Rail Vehicles: 8 Expansion	0	0	0	12.13.20	TLCP	----	Transit Rail	CMAQ-Flex	2018	3,000,000	636,364	-	3,636,364	Amend: Add new project using funding from VMR18-429T.	✓	✓	✓

Notes

1. Rows in the report are sorted in order by the following columns: Section, Agency, Year and TIP ID. Changes are in red font. Deletions are shown in strike through font.

5. Changes are in red font. Deletions are shown in strike through font.

2. The following are used to indicate MAG Committees reviewing these TIP listings for amendment: TRC = Transportation Committee, MC = Management Committee, TPC = Transportation Review Committee, RC = Regional Council

3. The year the federal funds (if any) were apportioned by Congress. This item is included only for informational purposes.

4. For federal projects this is the year the project will authorize. For transit this is the year the project will appear in a grant.

**TABLE D: Requested amendments and administrative modifications to the
FY 2014-2018 MAG Transportation Improvement Program (TIP), and the 2035 Regional Transportation Plan¹, TIP AMENDMENT #16**

Sort: Section, Agency, Location, Work Year

TIP Amendment #16																				
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Glendale	Highway	2017	GLN17-470	NEW	Citywide	Glendale Schools Support Activity Project	0	0	0	----	None	----	Safety	TAP-MAG	2017	43,811	-	2,648	46,459	Amend: Add new Safe Routes to School project.
Maricopa County	Highway	2017	MMA17-470	NEW	Moon Mountain, Nevitt and C.O. Greenfield Elementary Schools	Safe Routes to School Support Activity Project	0	0	0	----	None	----	Safety	TAP-MAG	2017	47,146	-	2,850	49,996	Amend: Add new Safe Routes to School project.
Phoenix	Highway	2017	PHX17-470	NEW	Creighton School District/Biltmore Preparatory	Safe Routes to School Framework Study	0	0	0	----	None	----	Safety	TAP-MAG	2017	20,746	-	1,254	22,000	Amend: Add new Safe Routes to School project.
Phoenix	Highway	2017	PHX17-471	NEW	Creighton Elementary	Safe Routes to School Support Activity Project	0	0	0	----	None	----	Safety	TAP-MAG	2017	20,229	-	1,223	21,452	Amend: Add new Safe Routes to School project.
Phoenix	Highway	2017	PHX17-472	NEW	Vista del Sur	Safe Routes to School Support Activity Project	0	0	0	----	None	----	Safety	TAP-MAG	2017	19,332	-	1,169	20,500	Amend: Add new Safe Routes to School project.
Surprise	Highway	2017	SUR17-470	NEW	Dysart School District	Walking and Biking Maps	0	0	0	----	None	----	Safety	TAP-MAG	2017	94,300	-	5,700	100,000	Amend: Add new Safe Routes to School project.
TAP SRTS Total:																245,563	-	14,843	260,406	

Maricopa (City)	Highway	2017	MAR17-407D	NEW	Porter Rd, Farrell Rd to 1.9 mi South	PE and final design for roadway paving	1.9	2	2	----	None	----	Air Quality	Local	2017	-	-	187,262	187,262	Amend: Add new project. Project awarded funding through the CMAQ paving call for projects
Maricopa (City)	Highway	2018	MAR18-406C	NEW	Porter Rd, Farrell Rd to 1.9 mi South	Pave unpaved road	1.9	2	2	----	None	----	Air Quality	CMAQ	2018	707,896	-	42,789	750,685	Amend: Add new project. Project awarded funding through the CMAQ paving call for projects
Maricopa (City)	Highway	2017	MAR17-406D	NEW	Farrell Rd, Hartman Rd to 1.4 mi West	PE and final design for roadway paving	1.38	2	2	----	None	----	Air Quality	Local	2017	-	-	187,262	187,262	Amend: Add new project. Project awarded funding through the CMAQ paving call for projects
Maricopa (City)	Highway	2018	MAR18-405C	NEW	Farrell Rd, Hartman Rd to 1.4 mi West	Pave unpaved road	1.38	2	2	----	None	----	Air Quality	CMAQ-2.5	2018	679,381	-	41,065	720,446	Amend: Add new project. Project awarded funding through the CMAQ paving call for projects

**TABLE D: Requested amendments and administrative modifications to the
FY 2014-2018 MAG Transportation Improvement Program (TIP), and the 2035 Regional Transportation Plan¹, TIP AMENDMENT #16.**

Sort: Section, Agency, Location, Work Year

TIP Amendment #16																				
Agency	Section	Work Year ⁴	TIP ID	MAG ID	Location	Work	Miles	Lanes Before	Lanes After	Federal ID/ALL	In Life Cycle Program	TRACS/Grant ID	MAG Mode	Funding	Apport. Year ³	Federal	Regional	Local	Total	TIP Change Request
Maricopa (City)	Highway	2017	MAR17-405D	NEW	Farrell Rd, 1.4 mi West of Hartman Rd to Maricopa-Casa Grande Hwy	PE and final design for roadway paving	1.45	2	2	-----	None	-----	Air Quality	Local	2017	-	-	187,262	187,262	Amend: Add new project. Project awarded funding through the CMAQ paving call for projects
Maricopa (City)	Highway	2018	MAR18-404C	NEW	Farrell Rd, 1.4 mi West of Hartman Rd to Maricopa-Casa Grande Hwy	Pave unpaved road	1.45	2	2	-----	None	-----	Air Quality	CMAQ-2.5	2018	679,381	-	41,065	720,446	Amend: Add new project. Project awarded funding through the CMAQ paving call for projects
Maricopa County	Highway	2017	MMA17-406D	NEW	Miller Rd, Tonopah-Salome Highway to Van Buren Street.	PE and final design for roadway paving	1	2	2	-----	None	-----	Air Quality	Local	2017	-	-	376,500	376,500	Amend: Add new project. Project awarded funding through the CMAQ paving call for projects
Maricopa County	Highway	2018	MMA18-401RW	NEW	Miller Rd, Tonopah-Salome Highway to Van Buren Street.	Right of way acquisition for roadway paving	1	2	2	-----	None	-----	Air Quality	Local	2018	-	-	36,229	36,229	Amend: Add new project. Project awarded funding through the CMAQ paving call for projects
Phoenix	Highway	2017	PHX17-444D	NEW	Various alleys in Phoenix	PE and final design for alley paving	23.9	2	2	-----	None	-----	Air Quality	Local	2017	-	-	64,000	64,000	Amend: Add new project. Project awarded funding through the CMAQ paving call for projects
Phoenix	Highway	2018	PHX18-450C	NEW	Various alleys in Phoenix	Pave unpaved alley	23.9	2	2	-----	None	-----	Air Quality	CMAQ	2018	1,532,375	-	92,625	1,625,000	Amend: Add new project. Project awarded funding through the CMAQ paving call for projects
Phoenix	Highway	2018	PHX18-451D	NEW	Various alleys in Phoenix	PE and final design for alley paving	29	2	2	-----	None	-----	Air Quality	Local	2018	-	-	64,000	64,000	Amend: Add new project. Project awarded funding through the CMAQ paving call for projects
Pinal County	Highway	2017	PNL17-405D	NEW	Midway Rd, 0.5 mi South of SR 84 to Comman Rd	PE and final design for roadway paving	2.5	2	2	-----	None	-----	Air Quality	Local	2017	-	-	272,675	272,675	Amend: Add new project. Project awarded funding through the CMAQ paving call for projects
Pinal County	Highway	2018	PNL18-404C	NEW	Midway Rd, 0.5 mi South of SR 84 to Comman Rd	Pave unpaved road	2.5	2	2	-----	None	-----	Air Quality	CMAQ	2018	1,569,630	-	126,821	1,696,451	Amend: Add new project. Project awarded funding through the CMAQ paving call for projects
Pinal County	Highway	2017	PNL17-406D	NEW	Stanfield Road, Talla Rd to Miller Rd	PE and final design for roadway paving	3.5	2	2	-----	None	-----	Air Quality	Local	2017	-	-	369,745	369,745	Amend: Add new project. Project awarded funding through the CMAQ paving call for projects
Pinal County	Highway	2017	PNL17-404D	NEW	Barnes Rd, Fuqua Rd to Stanfield Rd	PE and final design for roadway paving	1	2	2	-----	None	-----	Air Quality	Local	2017	-	-	130,000	130,000	Amend: Add new project. Project awarded funding through the CMAQ paving call for projects

TABLE D: Requested amendments and administrative modifications to the
FY 2014-2018 MAG Transportation Improvement Program (TIP), and the 2035 Regional Transportation Plan¹, TIP AMENDMENT #16

TIP Amendment #16																				
Agency	Section	Work Year ⁴	TIP ID	MAG ID	Location	Work	Miles	Lanes Before	Lanes After	Federal ID/ALI	In Life Cycle Program	TRACS/Grant ID	MAG Mode	Funding	Apport. Year ⁵	Federal	Regional	Local	Total	TIP Change Request
Salt River Pima-Maricopa Indian Community	Highway	2017	SRP17-401D	NEW	McDonald Drive Subdivision (bounded by May St, McDonald Rd, Dobson Rd and Montebello Av) and Palm ln, Harris Dr to Gilbert Rd	PE and final design for roadway paving	2.13	2	2	-----	None	-----	Air Quality	Local	2017	-	-	130,000	130,000	Amend: Add new project. Project awarded funding through the CMAQ paving call for projects
CMAQ Paving Total:																5,168,663	-	2,349,301	7,517,964	
Apache Junction	Highway	2018	APJ18-460	NEW	Apache Junction (Citywide)	Install wireless communication to all Apache Junction traffic signals	0	0	0	-----	None	-----	ITS	CMAQ	2018	267,340	-	16,160	283,500	Amend: Add new project. Project awarded funding through the CMAQ ITS call for projects.
Avondale	Highway	2018	AVN18-460	NEW	Dysart Rd: Van Buren Rd to north of I-10	Install fiber backbone to connect two existing backbone runs on Dysart Rd fiber	0.5	6	6	-----	None	-----	ITS	CMAQ	2018	278,279	-	159,321	437,600	Amend: Add new project. Project awarded funding through the CMAQ ITS call for projects.
El Mirage	Highway	2018	ELM18-460	NEW	El Mirage Rd: 1300 ft N of Northern Ave to Grand Ave frontage road, Thunderbird Rd: 127th Ave to El Frio St, Peoria Ave: El Mirage Rd to 121st Ave	Install fiber, install five CCTV cameras and interconnect six traffic signals	0	0	0	-----	None	-----	ITS	CMAQ	2018	305,721	-	18,479	324,200	Amend: Add new project. Project awarded funding through the CMAQ ITS call for projects.
Glendale	Highway	2018	GLN18-460	NEW	Glendale (Citywide)	Install EVP system citywide at 48 intersections	0	0	0	-----	None	-----	ITS	CMAQ	2018	399,832	-	311,416	711,248	Amend: Add new project. Project awarded funding through the CMAQ ITS call for projects.
Goodyear	Highway	2018	GDY18-460	NEW	Elwood St: Cotton Ln to Estrella Pkwy, Cotton Ln: Estrella Pkwy to Elwood St, Estrella Pkwy: Elliot Rd to Cotton Ln, Elliot Rd: San Gabriel Dr to Estrella Pkwy	Install fiber along Elwood St, CCTV, connect two signals to TMC	0	0	0	-----	None	-----	ITS	CMAQ	2018	348,661	-	41,235	389,896	Amend: Add new project. Project awarded funding through the CMAQ ITS call for projects.
Maricopa County	Highway	2018	MMA18-460	NEW	MCDOT TMC	Upgrade TMC workstations, video wall display, network equipment, and system	0	0	0	-----	None	-----	ITS	CMAQ	2018	299,874	-	108,126	408,000	Amend: Add new project. Project awarded funding through the CMAQ ITS call for projects.

TABLE D: Requested amendments and administrative modifications to the FY 2014-2018 MAG Transportation Improvement Program (TIP), and the 2035 Regional Transportation Plan¹, TIP AMENDMENT #16

Sort: Section, Agency, Location, Work Year

TIP Amendment #16																				
Agency	Section	Work Year ⁴	TIP ID	MAG ID	Location	Work	Miles	Lanes Before	Lanes After	Federal ID/ALI	In Life Cycle Program	TRACS/Grant ID	MAG Mode	Funding	Apport. Year ³	Federal	Regional	Local	Total	TIP Change Request
Mesa	Highway	2018	MES18-460	NEW	Mesa (Citywide)	Install cabinets & controllers at 50 locations and establish communications	0	0	0	----	None	----	ITS	CMAQ	2018	780,000	-	121,000	901,000	Amend: Add new project. Project awarded funding through the CMAQ ITS call for projects.
Scottsdale	Highway	2018	SCT18-460	NEW	Thomas Rd: 60th Street to Pima Road	Install 17 video detection cameras and TMC software	3.5	5	5	----	None	----	ITS	CMAQ	2018	368,713	-	22,287	391,000	Amend: Add new project. Project awarded funding through the CMAQ ITS call for projects.
Surprise	Highway	2018	SUR18-460	NEW	Surprise (Citywide)	Develop ITS strategic plan and implementation plan	0	0	0	----	None	----	ITS	CMAQ	2018	141,450	-	8,550	150,000	Amend: Add new project. Project awarded funding through the CMAQ ITS call for projects.
Tempe	Highway	2018	TMP18-460	NEW	Tempe (Citywide)	Install DMS, CCTV cameras, wireless link, bicycle detection, & EVP networking	0	0	0	----	None	----	ITS	CMAQ	2018	392,010	-	23,695	415,705	Amend: Add new project. Project awarded funding through the CMAQ ITS call for projects.
CMAQ ITS Total:																3,581,880	-	830,269	4,412,149	
Apache Junction	Highway	2018	APJ18-402	30485	Southern Avenue: Delaware Dr to Ironwood Dr	PE - ADOT Review Fee for Roadway Widening and Improvements	0.5	2	4	-	None	-	Street	STP-MAG	2018	42,865	-	2,591	45,456	Amend: New TIP listing. Project awarded funding through the Pinal County STP call-for-projects.
Apache Junction	Highway	2018	APJ18-403	30485	Southern Avenue: Delaware Dr to Ironwood Dr	Design Roadway Widening and Improvements	0.5	2	4	-	None	-	Street	STP-MAG	2018	131,999	-	11,001	193,000	Amend: New TIP listing. Project awarded funding through the Pinal County STP call-for-projects.
Pinal Co STP Total:																224,864	-	13,592	238,456	

Notes

1. Rows in the report are sorted in order by the following columns: Section, Agency, Year and TIP ID. Changes are in red font. Deletions are shown in strike through font.

2. The following are used to indicate MAG Committees reviewing these TIP listings for amendment: TRC = Transportation Committee, MC = Management Committee, TPC = Transportation Review Committee, RC = Regional Council

3. The year the federal funds (if any) were apportioned by Congress. This item is included only for informational purposes.

4. For federal projects this is the year the project will authorize. For transit this is the year the project will appear in a grant.

5. Changes are in red font. Deletions are shown in strike through font.