



Call for Projects, Development of the
FY2017-2021 TIP
**Unpaved Roads Applications,
#07**

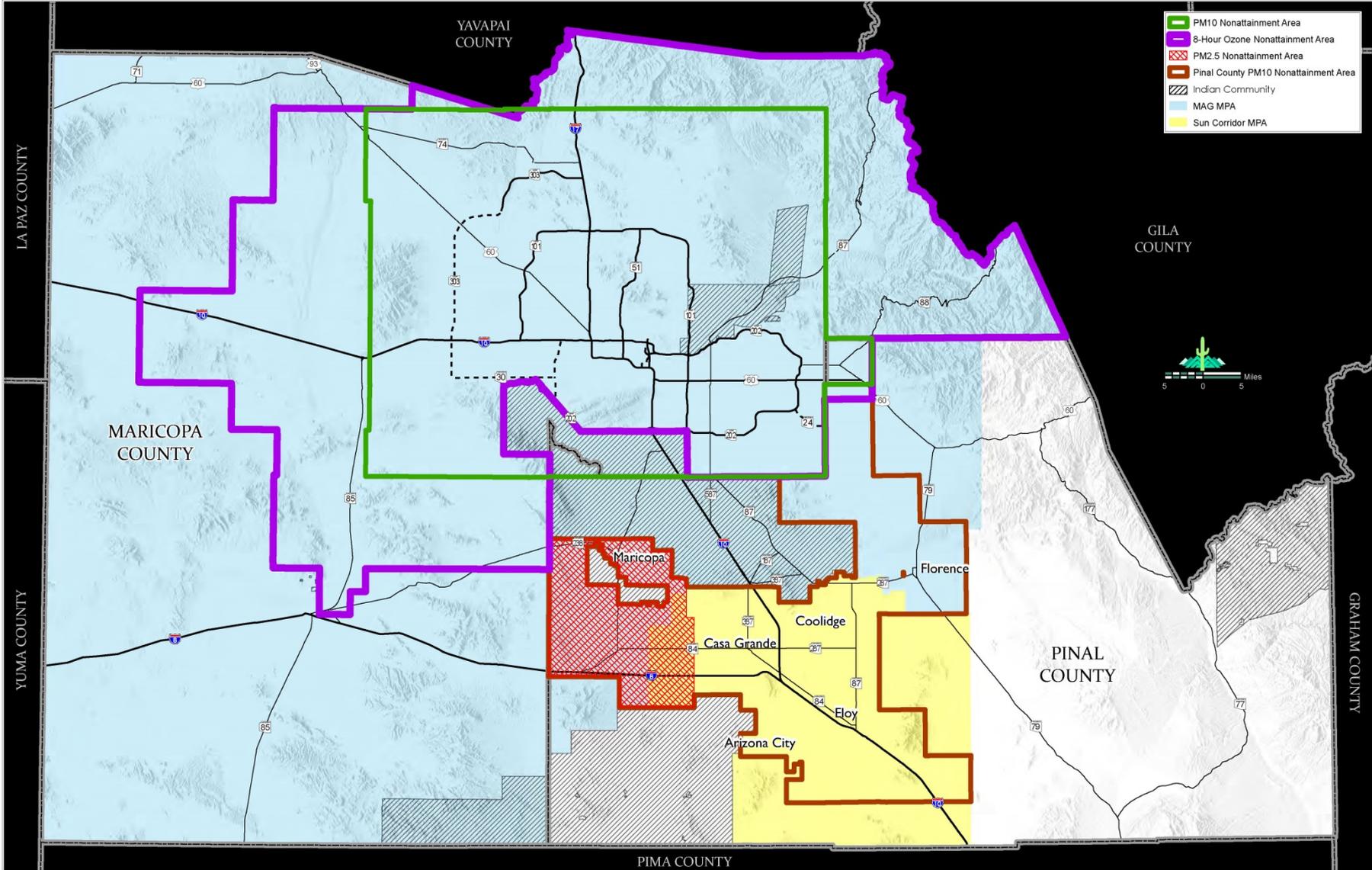
Transportation Review Committee

December 17, 2015

Teri Kennedy



- Congestion Mitigation And Air Quality Improvement Program (CMAQ)
 - Match requirements are: 5.7% local, with 94.3% federal. MAG typically awards for construction.
 - Provides funds to States for transportation projects **designed to improve air quality and reduce traffic congestion**, particularly in areas of the country that do not attain national air quality standards.



CMAQ eligible project area for each program has limitations

- PM-10 Street Sweepers and PM-10 Paving of Unpaved Roads: Any non-attainment/maintenance area in the MAG planning region.
- PM-2.5 Paving: Anywhere in the PM-2.5 non-attainment area in Pinal County, and applicant must be a member of MAG.



Competitive FHWA Federal Fund Programming Process FY 2015-16, and Draft FY2017-2021 TIP Development

2015

November	4	ITS Committee Second Review of Federal Fund Applications, CMAQ Evaluations Available, Presentations.
	10	Street Committee Second Review of Federal Fund Applications, CMAQ Evaluations Available, Programming scenarios
	17	Bike Ped Committee Second Review of Federal Fund Applications, CMAQ Evaluations Available, Presentations.
	17	Transportation Safety Committee Review of Federal Fund Applications for Transportation Alternatives Program, Safe Routes to School eligible activities, Presentations..
December	2-30	Continue to Collect, and Submit Regionally Significant Project information for inclusion in TIP.
	3	AQ TAC: <i>Alternate day for review of AQ Scores for Paving UnPaved Roads and PM-10 Street Sweepers; only if needed.</i>
	10	TRC Mail out DUE
	17	TRC Reviews Federal Fund Priority Listing of Projects and TIP listings (ITS, Paving, STP PC, TAP-SRTS)

2016

January	2-29	Continue to Collect, and Submit Regionally Significant Project information for inclusion in TIP.
	13	Management Committee reviews Federal Fund Priority Listing of Projects and TIP listings.*
	20	TPC reviews TIP Listings for Federal Fund projects.*
	27	RC Reviews/approves Federal Fund Priority Listing of Projects.* **
	28	TRC Reviews Federal Fund Priority Listing of Projects and TIP listings (Bike/Ped CMAQ and TAP)

Paving Projects Funding

CMAQ: ALL FUNDING YEARS

Requested	Apportionment
\$ 17,103,365	\$ 14,022,139

PM-2.5

Year	Requested	Apportionment
2017 CF		\$ 28,249
2018	\$ 3,636,288	\$ 654,534
2019	\$ 2,755,157	\$ 669,678
2020	\$ -	\$ 669,678
Total	\$ 6,391,445	\$ 2,022,139

PM-10

Year	Requested	Apportionment
CF		\$ -
2018	\$ 3,663,025	\$ 4,000,000
2019	\$ 4,673,130	\$ 4,000,000
2020	\$ 2,375,765	\$ 4,000,000
Total	\$ 10,711,920	\$ 12,000,000

Cost Effectiveness

PM-10 and PM-2.5 Paving of Unpaved Road Projects for FYs 2018, 2019, 2020									
Sorted by cost effectiveness, and rounding may occur.									
PROJECT SPONSOR	PROJECT ID	PROJECT TITLE	FUNDING REQUEST (CONSTRUCTION)			UNIT COSTS MEASURES		CLARIFYING QUESTIONS	Street Committee Comments from 10-13-2015
			Year	2.5 Elig.	CMAQ	Emission Reduction Weighted Total (kg/day)	Cost Effectiveness (CMAQ \$/metric ton)		
Phoenix	PHX-19-PAV-002	2019 CMAQ Alley Dust Proofing	2019	N	\$ 1,621,960	221.75	\$ 1,347	Some applications state that no design is required or do not include design, however when dealing	Q: What is FAST? A: It is basically a rubber/asphalt chip seal, now we have local suppliers. Q: you
Salt River Pima-Maricopa Indian Community	SRP-19-PAV-001	Pave McDonald Drive Sub-division and Palm Lane	2019	N	\$ 1,126,885	125.44	\$ 1,654	Because the ROW acquisition process has started, one can assume that the alignment was set and that all environmental	Presenter: This is a two phase project. Subdivision portion has needed paving for many years. Acquisition of ROW has
Phoenix	PHX-20-PAV-003	2020 CMAQ Alley Dust Proofing	2020	N	\$ 1,414,500	147.70	\$ 1,764	Some applications state that no design is required or do not include design, however when dealing	
Chandler	CHN-19-PAV-002	Alleyway PM-10 Stabilization	2019	N	\$ 944,954	41.71	\$ 4,172	Under AC Mill and Over	A: Some agencies have considered closing alleys. Have you thought of this? A: We
Fort McDowell Yavapai Nation	FTM-18-PAV-001	FMYN Dirt Roads Paving Project	2018	N	\$ 841,940	29.97	\$ 5,174	The application needs to address jurisdictional waters or permits and include minimal drainage infrastructure. Can you	A: Clarifying Q: 404 permits are not anticipated. We have the designer working on this. For the current 5 miles it has not been
EI Mirage	ELM-18-PAV-001	Unpaved Streets & Alleys	2018	N	\$ 526,963	12.98	\$ 7,478	The application indicates that design	Q: Are the alleys open to traffic? A: yes,
									\$ 14,011,450
									\$ 10,689

Paving Projects 2018

PM-10 and PM-2.5 Paving of UnPaved Road Projects for FY 2018

Sorted by cost effectiveness, and rounding may occur.

PROJECT SPONSOR	PROJECT ID	PROJECT TITLE	Req'd Year	2.5 Elig.	Requested CMAQ	Emission Reduction Weighted Total (kg/day)	Cost Effectiveness (CMAQ dollars/metric ton)	Program Year	CMAQ Award
Maricopa City	MAR-18-PAV-001	Porter Road Paving	2018	Y	\$ 707,896	1,681.11	\$78	2018	\$ 707,896
Maricopa City	MAR-18-PAV-002	Farrell and Hartman Intersection Paving Phase 2	2018	Y	\$ 679,381	744.68	\$168	2018	\$ 679,381
Maricopa City	MAR-18-PAV-003	Farrell Road Paving Phase 1	2018	Y	\$ 679,381	287.01	\$436	2018	\$ 679,381
Pinal County	PNL-18-PAV-001	Midway Road from 0.5 mi south of SR 84 to Cornman Rd (2.5 mi)	2018	Y	\$ 1,569,630	453.82	\$637	2018	\$ 1,569,630
Phoenix	PHX-18-PAV-001	2018 CMAQ Alley Dust Proofing	2018	N	\$ 1,532,375	287.00	\$983	2018	\$ 1,532,375
								Total 2018 Programmed	\$ 5,168,663
								2018 Available	\$ 4,682,783
								2018 Balance	\$ (485,880)

PM-10 and PM-2.5 Paving of UnPaved Road Projects for FY 2019

Sorted by cost effectiveness, and rounding may occur.

PROJECT SPONSOR	PROJECT ID	PROJECT TITLE	Req'd Year	2.5 Elig.	Requested CMAQ	Emission Reduction Weighted Total (kg/day)	Cost Effectiveness (CMAQ dollars/metric ton)	Program Year	CMAQ Award
Pinal County	PNL-19-PAV-001	Stanfield Road from Talla Rd to Miller Rd (3.5 mi)	2019	Y	\$ 2,143,017	339.04	\$332	2019	\$ 2,143,017
Pinal County	PNL-19-PAV-002	Barnes Road from Fuqua Rd to Stanfield Rd (1.0 mi)	2019	Y	\$ 612,140	1,187.67	\$332	2019	\$ 612,140
Maricopa County	MMA-19-PAV-001	Miller Road, Tonopah-Salome Highway to Van Buren Street.	2019	N	\$ 979,331	313.81	\$575	2019	\$ 979,331
Phoenix	PHX-19-PAV-002	2019 CMAQ Alley Dust Proofing	2019	N	\$ 1,621,960	221.75	\$1,347	2019	\$ 1,621,960
								Total 2019 Programmed	\$ 5,356,448
								2019 Available	\$ 4,669,678
								2019 Balance	\$ (686,770)

Paving Projects 2020

PM-10 and PM-2.5 Paving of UnPaved Road Projects for FY 2020

Sorted by cost effectiveness, and rounding may occur.

PROJECT SPONSOR	PROJECT ID	PROJECT TITLE	Req'd Year	2.5 Elig.	Requested CMAQ	Emission Reduction Weighted Total(kg/day)	Cost Effectiveness (CMAQ dollars/metric ton)	Program Year	CMAQ Award
Salt River Pima-Maricopa Indian Community	SRP-19-PAV-001	Pave McDonald Drive Sub-division and Palm Lane	2019	N	\$ 1,126,885	125.44	\$1,654	2020	\$ 1,126,885
Phoenix	PHX-20-PAV-003	2020 CMAQ Alley Dust Proofing	2020	N	\$ 1,414,500	147.70	\$1,764	2020	\$ 1,414,500
Chandler	CHN-19-PAV-002	Alleyway PM-10 Stabilization	2019	N	\$ 944,954	41.71	\$4,172	2020	\$ 944,954
Total 2020 Programmed									\$ 3,486,339
2020 Available									\$ 4,669,678
2020 Balance									\$ 1,183,339

Summary of Programming		CMAQ Paving	
CMAQ 2.5	FY 2014, 2018-2020	\$	1,970,902
CMAQ 10	FY 2018-2020	\$	12,040,548
Total		\$	14,011,450
Total Funding	FY 2018-2020	\$	14,022,139
Balance CF 2021		\$	10,689

Action:

Recommend approval of the programming scenario for FY 2018, 19, 20 PM-2.5 and PM-10 Congestion Mitigation & Air Quality Improvement Program funded Paving Unpaved Road Projects to be added to the FY 2014-2018 MAG TIP and the 2035 RTP, and the Draft FY 2017-2021 MAG TIP as appropriate.