



Call for Projects, Development of the FY2017-2021 TIP

MAG Street Committee

August 11, 2015

Agenda Item #10, Teri Kennedy

Project Types:

- **PM-10 Certified Street Sweepers** in FY 2016 - \$1.08 million federal CMAQ funds
- **PM-10 Paving Unpaved Road** projects in FYs 2018, 2019, 2020 - \$4.00 million each year in federal CMAQ funds
- **PM-2.5 Paving Unpaved Road** projects in FYs 2018, 2019, 2020 - \$669,668 each year in federal CMAQ-2.5 funds
- **Arterial Intelligent Transportation Systems** projects in FYs 2018 and 2019- \$3.68 million each year in federal CMAQ funds
- **Arterial and Bridge projects** limited to the MAG planning area within Pinal County, in FY 2016 - \$352,393, and in FY 2020 - \$ 1.27 million in federal STP funds (Design and Construction)

Project Types:

- **Bicycle and Pedestrian** projects in FYs 2018, 2019, 2020 - \$7.8 million each year in federal CMAQ funds
- **Bicycle and Pedestrian** projects in FYs 2018, 2019, 2020 - \$4.20 million each year in federal TAP-MAG funds
- Safety (**Safe Routes to School eligible activities**) **SRTS Study projects** in FY 2017 - \$408,057 in federal TAP-MAG funds
- Safety (**Safe Routes to School eligible activities**) **Support Activity projects** in FY 2017 - \$100,000 in federal TAP-MAG funds. (Procure/install)

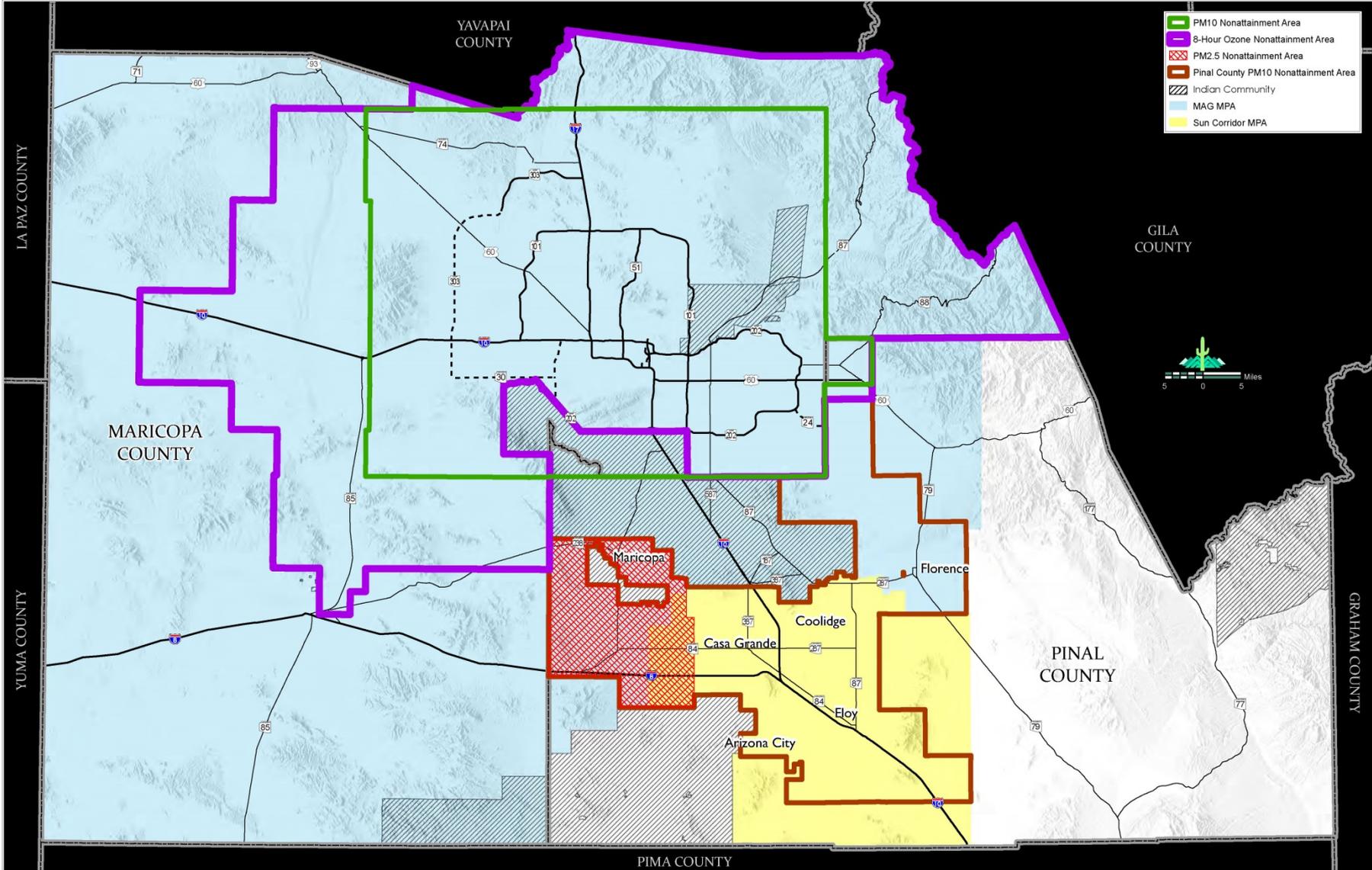
Call For Projects Amounts¹

Programming Levels By Mode and MAG Program, in Millions of \$								
STP - with OA applied		CMAQ with OA applied				Specific Programs with OA applied		
Year	Non Lifecycle ⁵	ITS ³	Bicycle/Ped	Air Quality PM-10 Paving of UnPaved Roads	PM-10 Street Sweepers	CMAQ 2.5	Transportation Alternatives Urban & NU, Non-Infrastructure (SRTS)	Transportation Alternatives Urban & NU, Infrastructure
2016					1.08			
2017							0.51	
2018	0.35	3.68	7.68	4.00		0.65		4.09
2019	0.00	3.68	7.90	4.00		0.67		4.22
2020	1.27	0.00	8.06	4.00		0.67		4.31
Totals 16-20	\$1.62	\$7.36	\$23.64	\$12.00	\$1.08	\$1.99	\$0.51	\$12.63

¹ Growth rate is estimated and was included in the 2035 RTP approved funding projections. Amounts may include loans, program admin, and repayments.

³ MAG ITS Program completes in 2018, and 2019. Take down of \$7,358,000 completes the \$50 million program.

⁵ Loan Repayment from Arterial to Non-Lifecycle



Competitive FHWA Federal Fund Programming Process FY 2016, and Draft FY2017-2021 TIP Development

2015

August	10	<ul style="list-style-type: none"> FHWA Federal Fund Project Applications available for CMAQ PM-10 Paving Unpaved Road Projects, CMAQ PM-2.5 Paving Unpaved Road Projects, CMAQ Bicycle-Pedestrian Projects, and Transportation Alternative Projects Infrastructure for FY2018, 19, & 20. CMAQ Intelligent Transportation Systems in FY 2018 and 2019. Surface Transportation Program for Pinal County in FY2020, FY 2017 Transportation Alternatives NonInfrastructure FY 2017, and PM-10 Certified Street Sweepers for FY2016.
	10	Early Phase Public Involvement Mailing.
	19	<ul style="list-style-type: none"> Workshop on FHWA Applications, 10:00 - 11:30 A.M. - Saguaro Room, 2nd Floor MAG. Breakout sessions, various rooms.
	24	<ul style="list-style-type: none"> 8:30 - 10:00 a.m., MAG Chaparral Room, Open Working Group - Federal Fund Project Applications
September	4	Early Phase Public Involvement Comments DUE.
	14	<ul style="list-style-type: none"> 9:00 - 11:00 a.m., MAG Chaparral Room, Open Working Group - Federal Fund Project Applications
	9	Management Committee reviews submitted project comments from early phase notification.
	21	<ul style="list-style-type: none"> Monday, September 21st: 10:00 A.M. - Due Date and Time, signed Project Applications due to MAG. <u>Late Applications will not be accepted.</u>
	23	Applications posted to Website
October	7	ITS Committee reviews Federal Fund Applications, First Review
	13	Street Committee reviews Federal Fund Applications, First Review
	20	Bike Ped Committee reviews Federal Fund Applications, First Review
	22	AQ TAC Reviews and recommends AQ Score for ITS, BP, and Paving Projects, and Ranking of PM-10 Street Sweepers.

Competitive FHWA Federal Fund Programming Process FY 2016, and Draft FY2017-2021 TIP Development

2015

November	2-30	TIP Data Entry System Available, Collect and Submit Regionally Significant Project information for inclusion in TIP.
	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, Presentations.
	17	Bike Ped Committee Second Review of Federal Fund Applications, CMAQ Evaluations Available, Presentations.
	27	Happy Thanksgiving!
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>
	8	Street Committee
	10	TRC Mail out DUE
	17	TRC reviews Federal Fund Priority Listing of Projects and TIP listings

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.* **

- MAG Staff will insure that **applications received are complete**. Basic eligibility review completed and then **posted to website**.
- Street Committee will **review applications prior to the October 13th, 2015 meeting**. (Expect extended meeting time)
- At the October 13th meeting, **each applicant will present their project(s)** with a pre-generated powerpoint that is composed of photos and graphics from their application. Each applicant will have not more than 10 minutes with a 10 minute Q and A by the committee.
 - *No individual presentations will be provided for Street Sweepers. However questions by committee may be made to the applicant.*

For each applicant, the committee will determine the following:

- **Project definitional adequacy.** The committee will determine that the project is defined in sufficient detail to allow technical review.
- **Project feasibility.** The committee will determine that the project is free from fatal flaws (e.g. major utilities and drainage issues) that would prevent it from being implemented.
- **Schedule adequacy.** The committee will determine that the schedule laid out for the project, including locally funded work phases is reasonable and adequate for the year the project is requested to be authorized.
- **Cost estimate adequacy.** The committee will determine that cost estimates for the project are reasonable, accurate and account for all work phases (e.g. preliminary engineering, right-of-way, construction, etc.) and fees (e.g. ADOT review fees) necessary to complete the project.
- **Performance data adequacy.** The committee will determine that performance data (e.g. ADT, miles of sweeping) or surrogate measures used to determine performance (e.g. number of trip generators along a bicycle route) is reasonable and well documented.

For each applicant, the committee will determine the following:

- **Revisions.** If there are outstanding questions concerning the project, MAG may require the sponsoring agency to revise its application to address the questions. **If an updated application is required, the sponsoring agency has one week to provide an updated application.** The revisions will be presented at the second meeting of the Committee.
- **Second meeting (If needed)– project ranking.** At the second meeting the committee will review and address outstanding issues from the previous meeting and recommend a ranked listing of projects for review by the Transportation Review Committee. This ranked list will include all projects presented to the Committee along with the committee's determinations and the results of required analyses as identified (next slides). **If there are no outstanding issues from the information review, this meeting may be combined with the first meeting.**

For each project type, the evaluation will use the following:

Air Quality Cost Effectiveness Analysis

- ❑ PM-10 Certified Street Sweepers (Procurement)
- ❑ PM-10 Paving Unpaved Road projects (Construction)
- ❑ PM-2.5 Paving Unpaved Road projects (Construction)

Congestion Management Process (CMP)

- ❑ Arterial and Bridge projects Pinal County (Design and Construction)

Arterial and Bridge projects Pinal County (Design and Construction)

Goals and Objectives:

1. **Expand capacity** on existing roadways or intersections of high demand
2. **Maintain and preserve** the region's transportation system
3. **Address safety** concerns in the existing roadway/intersection conditions
4. **Promote connectivity** between high demand/capacity roadways and activity centers to advance economic viability
5. Maintain consistency with stated **jurisdictional policy**
6. Achieve a significant **reduction in congestion** on the region's transportation system.

EVALUATION TOOL FOR STP FUNDED PROJECTS IN PINAL COUNTY

Goals and Objectives	
A	Expand capacity on existing roadways or intersections of high demand
B	Maintain and preserve the region's transportation system
C	Address safety concerns in existing roadway/intersection conditions
D	Promote connectivity between high demand/capacity roadways and activity centers to advance economic vitality
E	Consistency with stated jurisdictional policy
F	Achieve a significant reduction in congestion on the region's transportation system

Arterial and Bridge projects Pinal County (Design and Construction) evaluation will use the following:

Quantitative:

1. AADT – 13%
2. Pavement/Bridge Condition –13%
3. Peak Period Speed Differential –13%
4. VPLPH – 13%
5. Crash Rate by VMT – 9%
6. Number of Injuries/Fatalities – 9%

Qualitative:

1. Connectivity (Regional) – 5%
2. Proximity to Activity Centers – 5%
3. Intersection Improvement Throughput – 5%
4. Intersection Improvement Safety – 5%
5. Jurisdictional Policy – 5%
6. Community Involvement – 5%

EVALUATION TOOL FOR STP FINANCED PROJECTS IN PINAL COUNTY

Assign Weights

Criteria	Sub-Category/Description	Assign Weight
1	ANNUAL AVERAGE DAILY TRAFFIC (AADT)	13%
2	PAVEMENT / BRIDGE CONDITION (1-5 SCALE)	13%
3	PEAK PERIOD SPEED DIFFERENTIAL	13%
4	PERCENT OF THROUGHPUT CAPACITY (PERIOD) FOR LANE OR ROADWAY	13%
5	CRASH RATE BY VEHICLE MILES TRAVELLED	9%
6	NUMBER OF INJURIES / FATALITIES (3 YEAR PERIOD)	9%

Criteria	Sub-Category/Description	Assign Weight
1	CONNECTIVITY - REGIONAL	5%
2	PROXIMITY - ACTIVITY CENTERS	5%
3	INTERSECTION IMPROVEMENT - THROUGHPUT	5%
4	INTERSECTION IMPROVEMENT - SAFETY	5%
5	JURISDICTIONAL POLICY	5%
6	COMMUNITY INVOLVEMENT	5%

100% Total Weight Must Equal 100%

Thank you,

**FOR INFORMATION AND
DISCUSSION**