

A CALL FOR PROJECTS

MARICOPA ASSOCIATION OF GOVERNMENTS

AUGUST 2012
WORKSHOP

Teri Kennedy, Stephen Tate, Patrick Stone

August 13, 2012



Today's Agenda

1. General Information & Schedule
2. MAP-21
3. Funding
 - a) PM-10 Certified Street Sweepers & Pave Unpaved Roads
 - b) Intelligent Transportation Systems (ITS)
 - c) Bicycle-Pedestrian Projects (Bike/Ped)
4. Applications and Eligibility
5. Programming Principles
6. ADOT Local Governments Project Development Process
7. Breakout Sessions

Staff Available

MAG Staff

- Alex Oreschak
- Dean Giles
- Leo Luo
- Maureen DeCindis
- Monique de los Rios-Urban
- Sarath Joshua
- Steve Tate
- Teri Kennedy

ADOT Staff

- Patrick Stone

Your thoughts and ideas are more than desired – they are necessary. **Get involved** [» Site Index »](#)



MARICOPA ASSOCIATION of GOVERNMENTS

- Member Agencies
- Regional Council
- Committees
- Projects
- Transportation
- Environmental Programs
- Human Services
- Information Services
- Administration
- Communications
- Information Technology
- Fiscal Services

FY2014-FY2018 TIP Modal Applications

Location: Home >> Transportation >> ModalApplications

- IN THIS SECTION**
- Regional Transportation Plan (RTP)
 - Transportation Improvement Program (TIP)
 - Arterial Life Cycle Program (ALCP)
 - Traffic Data, Forecasts and Modeling
 - Intelligent Transportation Systems Program
 - Transportation Safety Planning Program
 - Transportation Studies and Reports
 - Commuter Rail Planning
 - Federal Stimulus Legislation
 - MAG Transportation Data Management System
 - Multimodal Transportation Performance Measurement Web
 - Access Management Program

Applications and Forms:

- Call for Projects: Congestion Mitigation Air Quality (CMAQ) Funding
- FY2014-FY2018 Intelligent Transportation Systems (ITS) TIP Application
- FY2014-FY2018 Pedestrian and Bicycle TIP Cost Estimation Form
- FY2014-FY2018 Pedestrian, Bicycle and Shared-Use Facility Project TIP Application
- FY-2015 TIP Bicycle and Pedestrian Education Criteria
- FY2014-FY2018 PM-10 Certified Street Sweeper TIP Application
- FY2014-FY2018 PM-10 Paving TIP Cost Estimate Worksheet
- FY2014-FY2018 PM-10 Paving Unpaved Road Project TIP Application

Maps and Documents:

- Phoenix-Mesa Urban Area Functionally Classified Roads Map, 2009
- PM-10 Nonattainment Area Boundary Map with Monitor Locations
- Street Sweeper TIP Application List of Rule 1186 Sweepers
- ADOT Policies and Procedures: Federal Property Management Standards
- Solicitation of PM-10 Certified Street Sweeper Projects for FY-2013 CMAQ Funding
- Solicitation of PM-10 Paving Unpaved Road Projects for Fiscal Year 2015, 2016, and 2017 CMAQ Funding

Calendar

AUGUST 2012

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

2014-2018 Transportation Improvement Program (TIP) Call for Projects Schedule

2012		
August		
3		• Federal Fund Project Applications available for Paving Unpaved Road Projects - FY2015, 2016, 2017, PM-10 Certified Street Sweepers - FY2013, ITS Projects - FY2015, 2016, 2017, Bicycle/Pedestrian Projects - 2015, 2016, 2017
13		• Workshop on MAG Transportation Programming and Federal Fund Project Applications, 9:00 - 10:30 a.m. - Saguaro Room, 2nd Floor MAG
27		• 1:00 - 3:30 p.m., MAG Cholla Room, Open Working Group - Federal Fund Project Applications
September		
4		• Model Networks due to MAG
5		• ITS Committee
10		• 8:30 - 11:00 a.m., MAG Ironwood Room, Open Working Group - Federal Fund Project Applications
		• 10:00 A.M. - Due Date and Time - signed Project Applications due to MAG. Late Applications will not

All documents, reports, and forms are available on the webpage

Project Application Schedule

- August 27, 2012 – 1:00 p.m. – 3 p.m. - Open Working Group
- September 10, 2012 – 8:30 – 11:00 a. m. - Open Working Group
- **Wednesday, September 19, 2012 – 10:00 A.M.** – Application for MAG Federal Fund Program due – LATE APPLICATIONS WILL NOT BE ACCEPTED
- October and November 2012 – Street, ITS, Bike/Ped (Modal) Committees review applications and presentations are made, CMP sketch tool is implemented – AQTAC review and rank projects, AQ report presented, Public Involvement report presented
- December 2012 – Modal Committees complete CMP & provide recommendations
- January 2012 – TRC recommends Paving, ITS, Bike/Ped projects for funding
- **February 2012** – Management & RC approve Street Sweepers; Management, TPC, and Regional Council approve paving projects, ITS, Bike/Ped projects



Open Working Groups

August 27, 2012: 1:00 - 3:00 P.M.– Cholla Room

September 10, 2012: 8:30 - 11:00 A. M.– Ironwood Room

- Time for applicants to work on their applications with MAG staff, work with other applicants, answer questions about the applications or required information, review the information in applications, provide feedback, answer eligibility questions, etc.
- These are not formal workshops or meetings and **no presentations** will be given.
- Member agencies can come and leave anytime during the Open Working Group.

FAQ #5

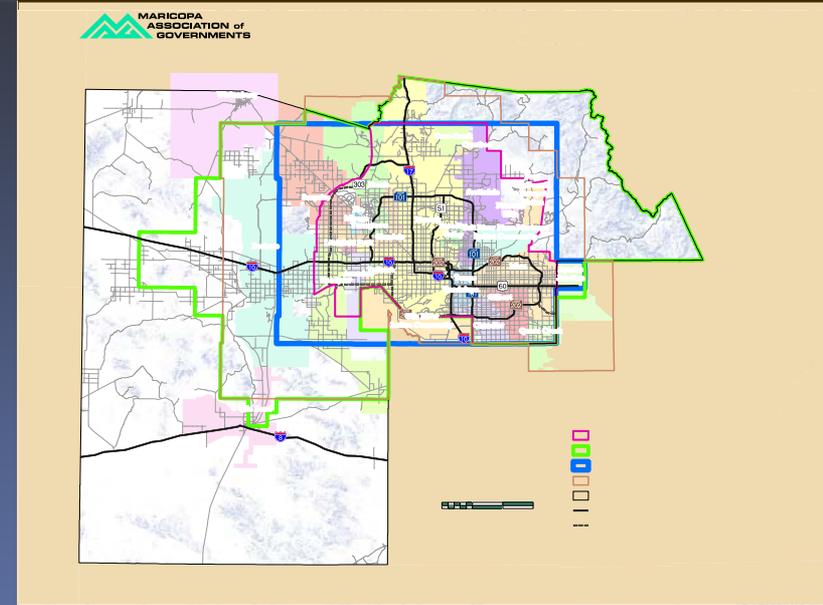
- July 6, 2012, President Obama signed into law P.L. 112-141, the Moving Ahead for Progress in the 21st Century Act (MAP-21).
- MAP-21 restructures core highway formula programs.
- Although MAP-21 achieves dramatic policy and programmatic changes, reform of the way highway programs are funded remains a challenge for the future.*

The Congestion Mitigation and Air Quality Improvement (CMAQ) Program

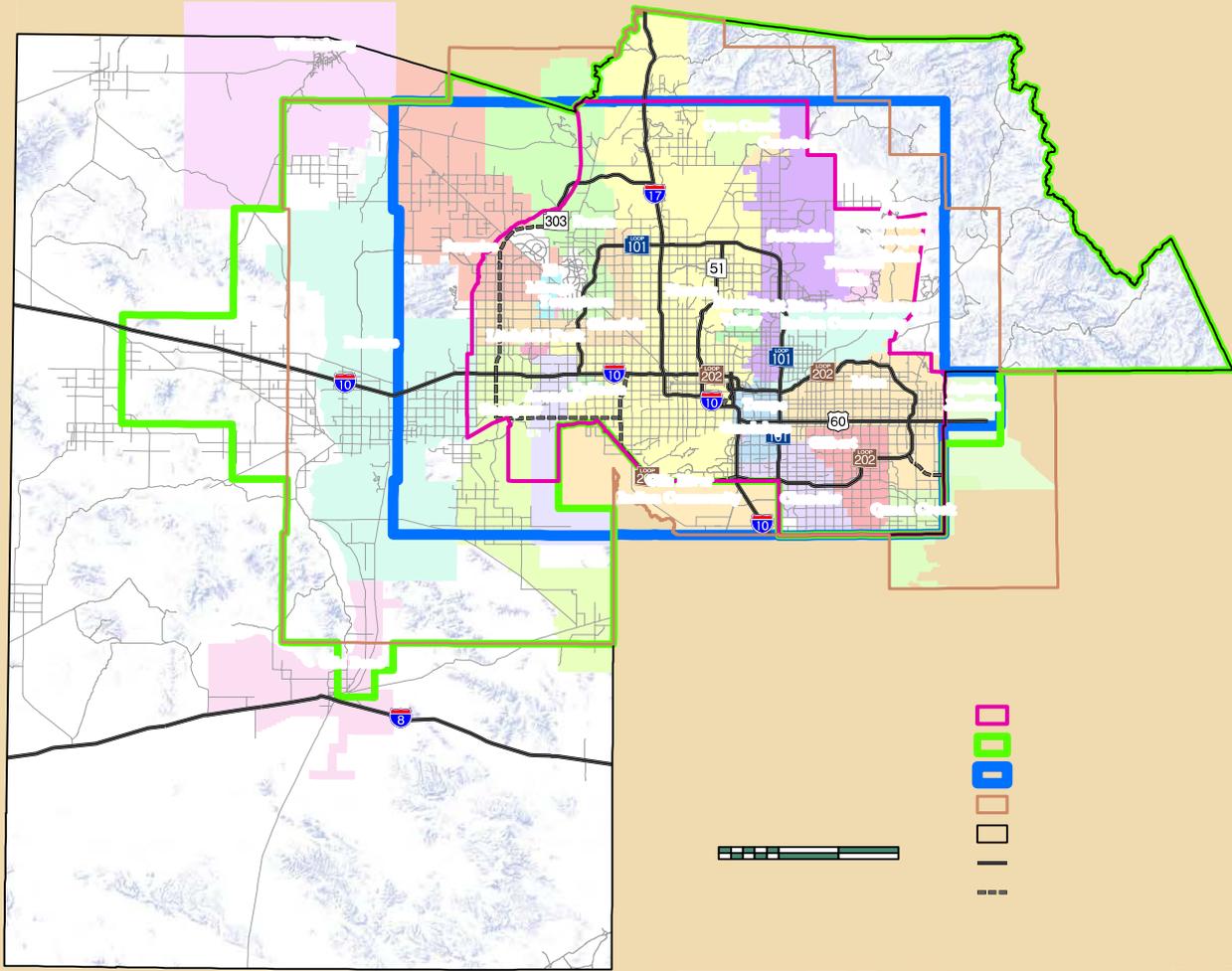
- provides funds to States for transportation projects designed to improve air quality and reduce traffic congestion, particularly in areas of the country that do not attain national air quality standards.
- The RTP provides a balanced distribution of funding for each eligible mode
- All projects in this round of a **Call for Projects** will be CMAQ funded

Eligibility of Projects

- Must be eligible per the CMAQ Federal Guidelines to be funded
 - <http://www.fhwa.dot.gov/environment/cmaqpgs/cmaq08gd.pdf>
- Must be with-in the Nonattainment area boundary
 - Paving and Street Sweepers – PM-10 Boundary
 - ITS, Bike & Ped – 8-Hour Ozone Boundary



Each application includes a link to the PM-10 or 8-Hour Ozone maps



Composite PM 10 & 8-Hr Ozone

PM-10 Nonattainment Area Boundary Map with Monitor Locations *

Northern edge of Township 6N
(Jenny Lin Road Alignment)

#	PM-10 Monitor Addresses
1	3847 W Earll, Phoenix
2	310 S Brooks, Mesa
3	601 E Butler, Phoenix
4	6001 W Olive Ave, Glendale
5	1645 E Roosevelt St, Phoenix
6	2857 N Miller Rd, Scottsdale
7	1128 N 27th Ave, Phoenix
8	33 W Tamarisk Ave, Phoenix
9	275 S Ellis, Chandler
10	15400 S Higley Rd, Gilbert
11	3940 W Broadway Rd, Phoenix
12	16825 N Dysart Rd, Surprise
13	26449 W 100th Dr, Buckeye
14	10851 W Williams Rd, Sun City
15	2702 RC Ester Brook Blvd, Phoenix
16	4530 N 17th Ave, Phoenix
17	3955 E Superstition Blvd, Apache Junction
18	301 E Combs Rd, Queen Creek
19	1515 S College Ave, Tempe

Eastern edge of Range 1E
(Meridian Road Alignment)

Western edge of Range 3W
(Rooks Road Alignment)

McDowell Rd Alignment

Bartley Rd Alignment

Baseline Rd Alignment

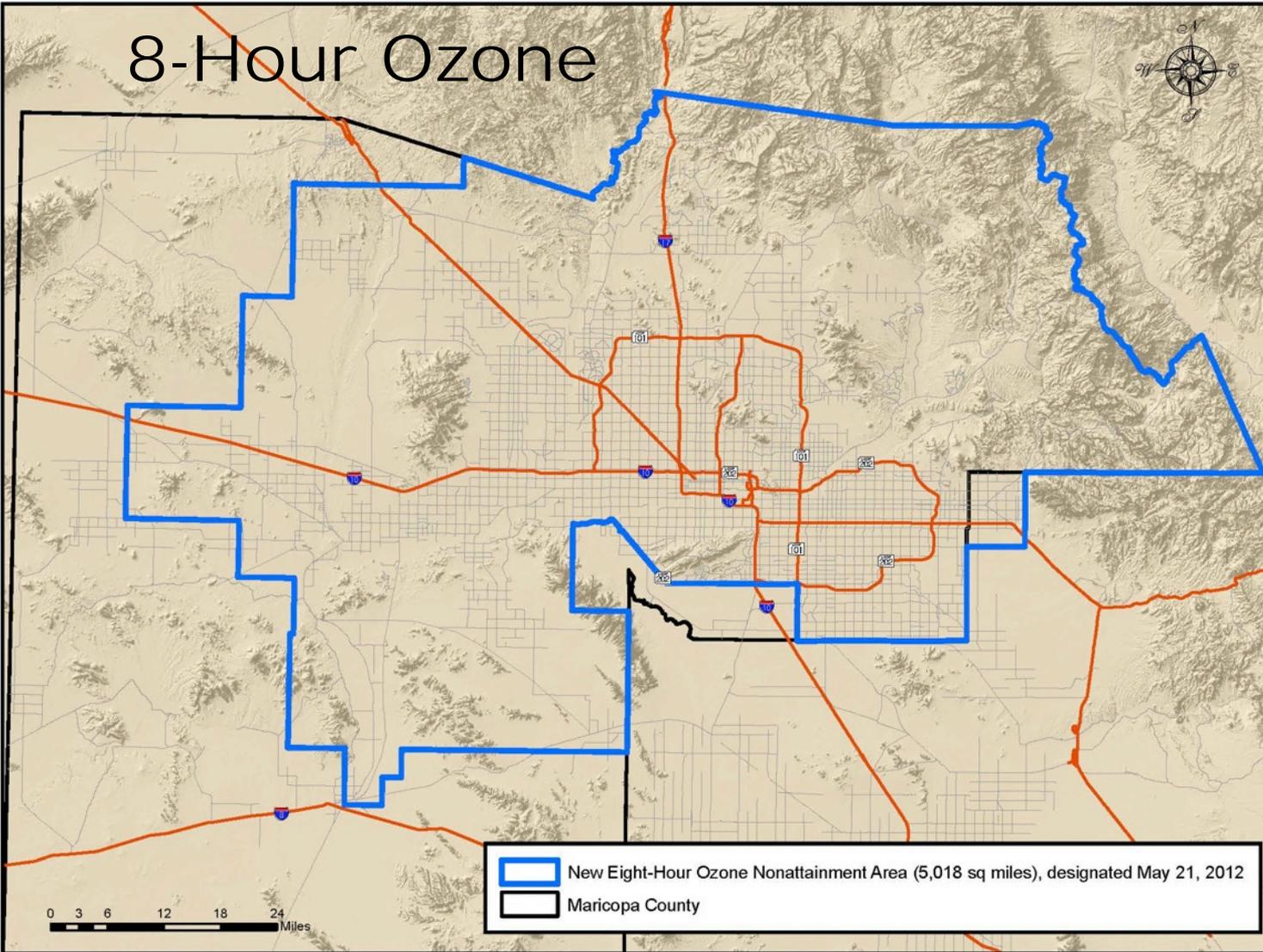
Southern edge of Township 2S
(Hunt Highway Alignment)

* The PM-10 Nonattainment area includes all Township-Ranges in the contiguous rectangular area between the northwest corner of Township 6N, Range 3W and the southeast corner of Township 2S, Range 1E plus all of Township 1N, Range 8E in Pinal County.

Current as of July 30, 2012. Mesa monitor expected to be fully functional by September 1, 2012.

PM 10

8-Hour Ozone



8-Hr Ozone

Available Federal Funds



- PM-10 Certified Street Sweepers, FFY2013 –
≈ \$900,000 federal CMAQ funds



- PM-10 Pave Unpaved Road, FFY2015, 2016, 2017 –
≈ \$4.5 million federal CMAQ funds annually

Available Federal Funds



- Bike/Ped, FFY2015, 2016, 2017
- \$8.2 million federal CMAQ funds annually
- ITS, FFY2015, 2016, 2017
- \$6.4 million federal CMAQ funds annually



Projects and Federal Funds

- Funding is available for Construction and Procurement projects
- Federal programs are re-imbbursement based
- Match ratio is 5.7% local, and 94.3% federal*
- Agencies that receive project funding awards are required to report bi-annually to MAG on project development schedule and budgets

MAG Federal Fund Programming Principles

(in the Transp. Programming Guidebook)

- Transportation Staff will issue a receipt when **completed** application is received.
- Technical Advisory Committee's (TAC) role is to develop and administer a project evaluation process that results in a rank ordered list of eligible project applications
 - TAC will review Air Quality recommendations and evaluations and integrate into the CMP
 - TAC will review the early phase Public Involvement Report and comments received.

MAG Federal Fund Programming Principles

(in the Transp. Programming Guidebook)

- The TAC will will evaluate modal aspects and technical merits of each project. -And may ask project agency questions to clarify the project's eligibility and merit.
- Bike/Ped and ITS TACs will implement the Congestion Management Process (CMP) to compile data, technical information, and qualitative evaluations which when completed will define a recommended rank order
- The TAC **will not** change the project scope, schedule, budget or requested federal funds

MAG Federal Fund Programming Principles

(in the Transp. Programming Guidebook)

- Two tiered review process
 - 1st meeting – review applications, presentations of projects applications, questions about information
 - 2nd meeting – continue review, presentations, any additional clarified project information, public involvement comments and report
 - 3rd meeting – review AQ scores, complete CMP sketch tool, move forward with recommended ranking process
- January 2013 Transportation Review Committee to recommend projects to be selected and programmed with federal funds. The rank order will determine awarded projects based on availability of funding.*

Project Applications

- Modal specific applications; one for each
- Read and complete all sections
- **Choose a descriptive project name**, it will follow the project to completion
- Assume that the person who will award your project has never seen the area.
 - Be descriptive, detailed, have beginning and end points, quantities, and all basic elements of project identified
- Consider after implementation, the maintenance and operational costs over the useful life of the project that **your agency** will be responsible for

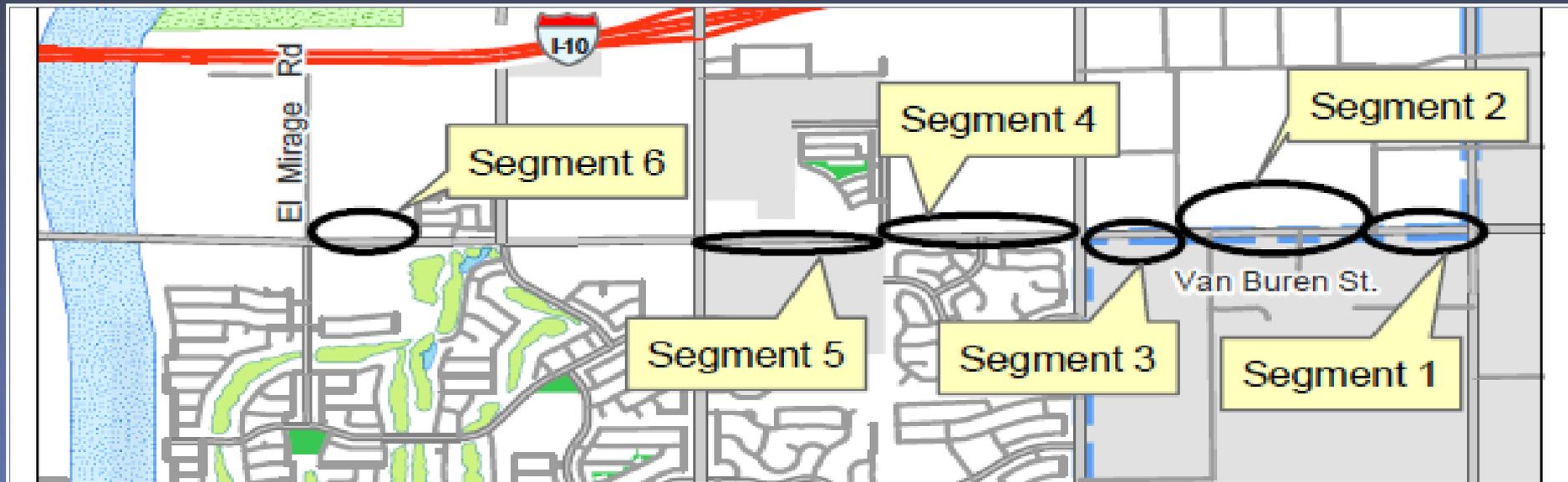
C43		A	B
1		PM-10 PAVING UNPAVED ROAD PROJECT APPLICATION	
2		CMAQ Funding Available for Federal Fiscal Year 2015, 206 and 2017	
4		General Instructions:	
5		This excel form is to be used to request federal Congestion Mitigation and Air Quality (CMAQ) funding available through the Maricopa Association of Governments (MAG) for Paving Unpaved Road Projects to be included in the FY2014-2018 MAG Transportation Improvement Program. Funding is available for Federal Fiscal Year (FFY) 2015, 2016 and 2017.	
7		This application form includes: Part A - Contact and Project Description, Part B - Segment Description and Proposed Improvements, Part C - Total Project Budget and Schedule, Part D - Checklist and Signature Page, and Transmittal Instructions and Schedule. Each part is a separate tab of this excel file. Please complete Parts A - D. Alternative application forms are available upon request.	
9		Deadlines and Transmittal Instructions:	
10		Two copies of a printed, complete and signed application must be received in the MAG offices by 10:00 p.m. Wednesday, September 19, 2012 . And the application is to be submitted electronically. Detailed transmittal instructions are located in a separate tab in this excel sheet. Late applications will not be accepted.	
12		If member agencies need additional information or have questions, they should contact Teri Kenned or Stephen Tate (602) 254-6300 or contact them by e-mail at the following addresses:	
13		mailto:state@mag.maricopa.gov	
14		mailto:tkennedy@azmag.gov	
15			
17			
18		All information is required, unless noted by the word - Optional.	
19		PART A - CONTACT AND PROJECT DESCRIPTION	
20		Contact Information	
21		1. Agency Name	
22		2. Name:	
23		3. Phone:	
24		4. E-Mail:	
25		5. Mailing Address:	
26			
27			
28		Project Description	
29		6. Please provide the Project Title.	
30		7. Please provide a general description of the project.	
31		8. Please attach a map showing the location(s) of the roadway(s), alley(s) or shoulder(s) to be paved.	Please attach map with transmittal
32		9. Please enter the number of segments to be included in the project (See definition of segments below)	
33		10. Please review the PM-10 Monitor Locations to verify that the proposed project is in the nonattainment area. Enter 'Yes' or 'No'.	
34		Link to PM-10 Monitor Locations Map	
35		Site Visit Information	
36		11. It is required that the member agency proposing a project to be funded with federal funds has completed a site visit of the project within 60 days prior to the application due date. This is to help ensure familiarity with the project as it relates to eligibility, readiness, environmental issues, right of way/ownership issues, and utility conflicts.	
37		a. Name of Person who completed site visit	
38		b. Date site visit completed	
39		c. Pictures of the site visit are required.	Please attach pictures with transmittal
40		SEGMENTS: Each project will include one or more segments of roadway, alley or shoulder to be improved. A segment is defined as either:	
41		a. A length of roadway, alley or shoulder to be improved with fixed starting and ending limit that has a relatively uniform cross section, or	
42		b. Discontinuous shoulder improvements along a continuous length of roadway with a fixed starting and ending limit that has a relatively uniform cross section.	
43		The segment may curve or change direction, but must be continuous and have a relatively uniform cross section. PART B MUST BE SUBMITTED FOR EACH SEGMENT OF THE PROJECT. If a MAG member agency is paving 'Various Locations', these must be defined and noted as separate Segments.	
44		(OPTIONAL)	
45		If the applicant will be providing a GIS coverage (shapefile or geodatabase), please see the tab labeled *GIS Transmittal Instructions)	
46		GIS Submittal Instructions	
47		PM-10 Paving Application from: for *	
48			
49			
50			

Segments – FAQ's #1-3

- Each project will include one or more segments of a roadway, alley, shoulder, path, sidewalk, etc. to be improved. A segment is defined as either:
 - A length of roadway, alley, shoulder, path, sidewalk, etc. to be improved with a fixed starting and ending limit that has a relatively uniform cross section or
 - Discontinuous shoulder, path, sidewalk, etc. improvements along a continuous length of roadway with a fixed starting and ending limit that has a relatively uniform cross section.

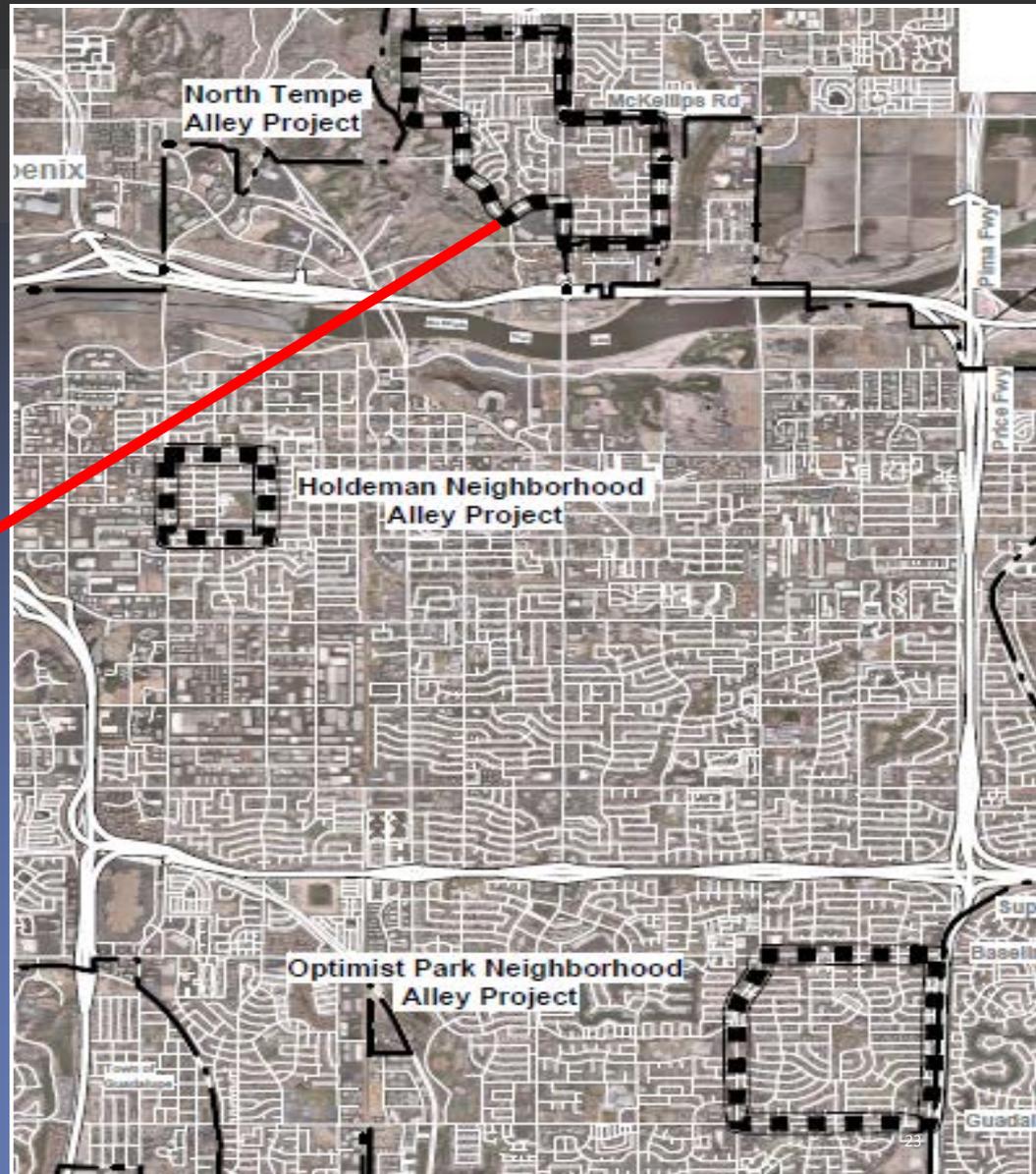
Segments – FAQ's #1-3

Example



Segments – FAQ's #1-3

Example



Maps

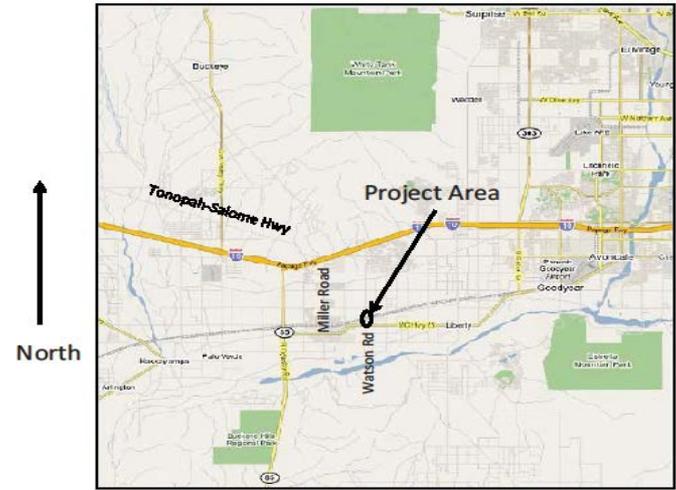


- Give the viewer
 - a sense of where the project is located
 - condition of the surrounding area
- If possible, use aerial imagery
 - Google maps – it's Free!
 - www.google.com/maps

Map & GIS Resources

- Maricopa County Assessor parcel lookups:
- <http://mccassessor.maricopa.gov/assessor/>
- Maricopa County GIS and PlanNet
- http://www.fcd.maricopa.gov/maps/gio/gio_gis_portal.html

The screenshot shows the Maricopa County Assessor's website. At the top, there is a navigation bar with links for 'Getting Started', 'Latest Headlines', 'Yahoo!', and 'Arizona Local News'. The main header features a photo of Keith E. Russell, M.A.I., and the Maricopa County Assessor logo. Below the header is a 'QUICK LINKS' dropdown menu and a search bar. The main content area includes a 'GIS/Maps' section with a list of links: 'Office of the Assessor', 'Seniors Valuation Protection', 'Maps', 'Forms', 'Reports / Data Sales', 'Real Property', and 'Personal Property'. The 'GIS Interactive Maps JavaViewer' section provides information about the JavaViewer version of MapGuide and lists various GIS resources such as 'Getting Started', 'Map Guide Hints', 'GIS Map ID Search', 'About Map IDs', 'GIS County Growth Demo', 'GIS Links', 'Cad Levels', 'New Parcel Lookup', and 'Questions & Answers'.



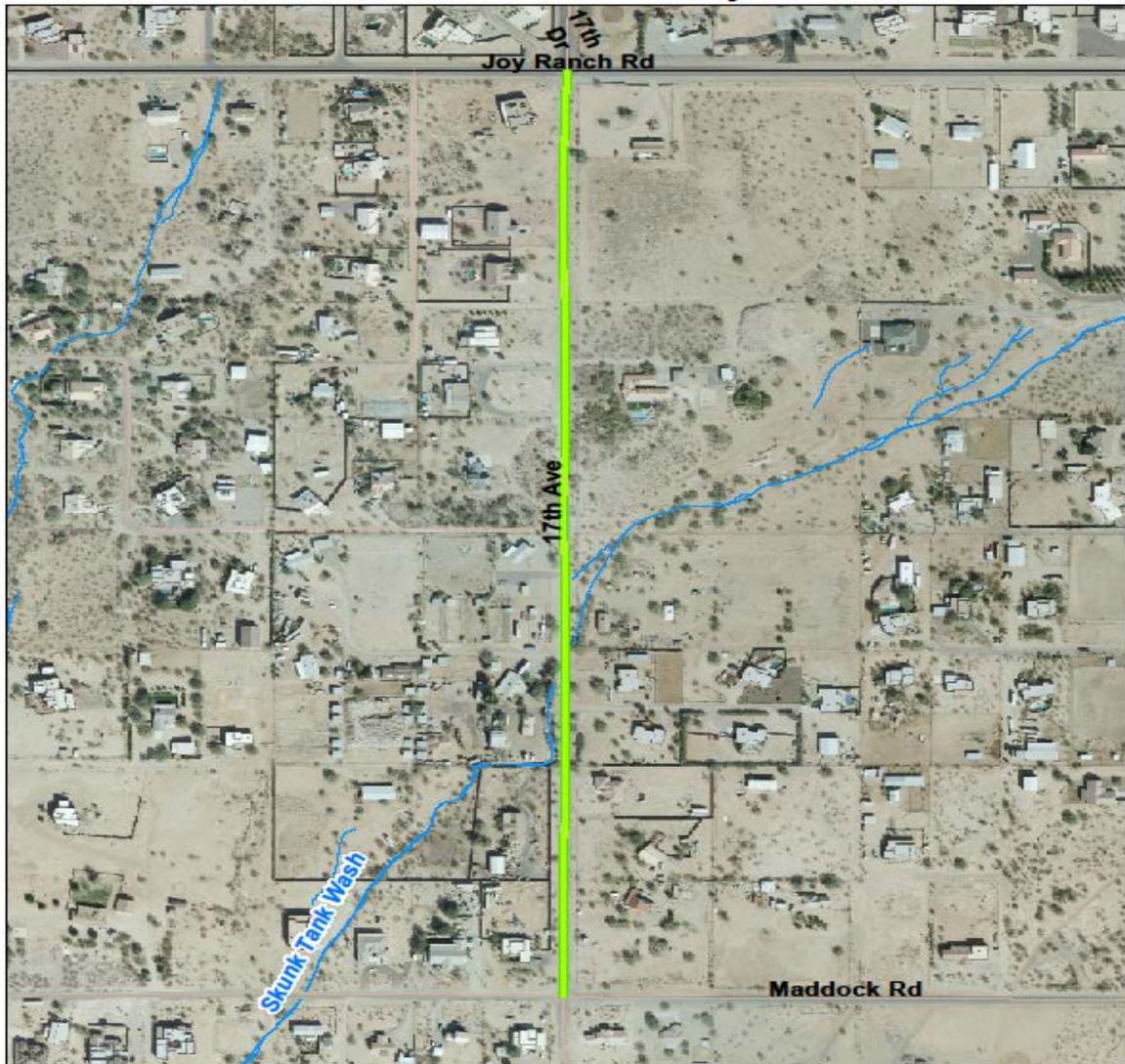
TOWN OF BUCKEYE, ARIZONA
WATSON ROAD VICINITY MAP EXHIBIT



WATSON ROAD – NORTH EXHIBIT



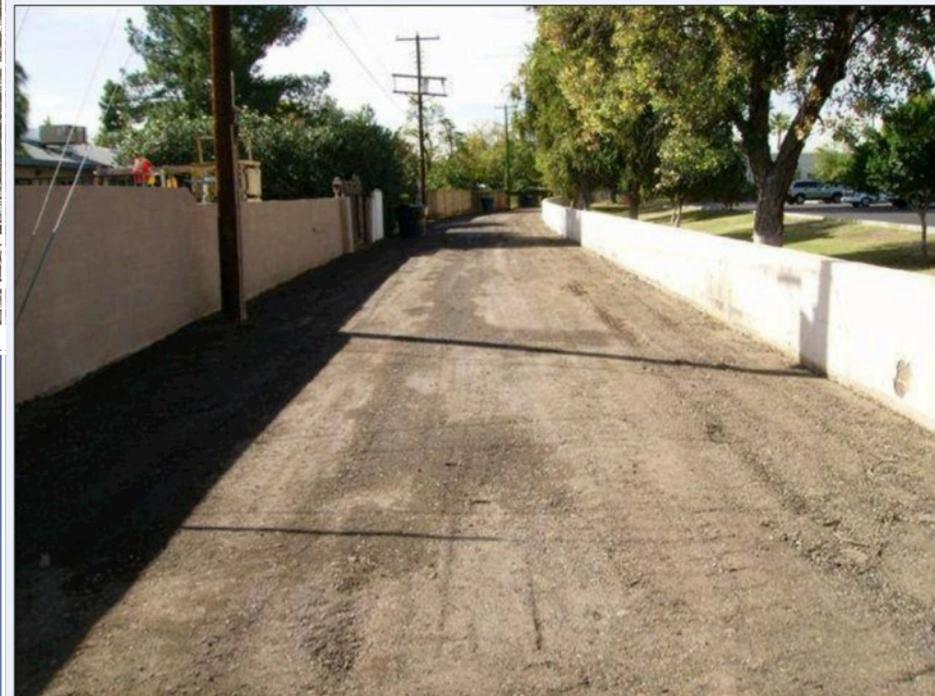
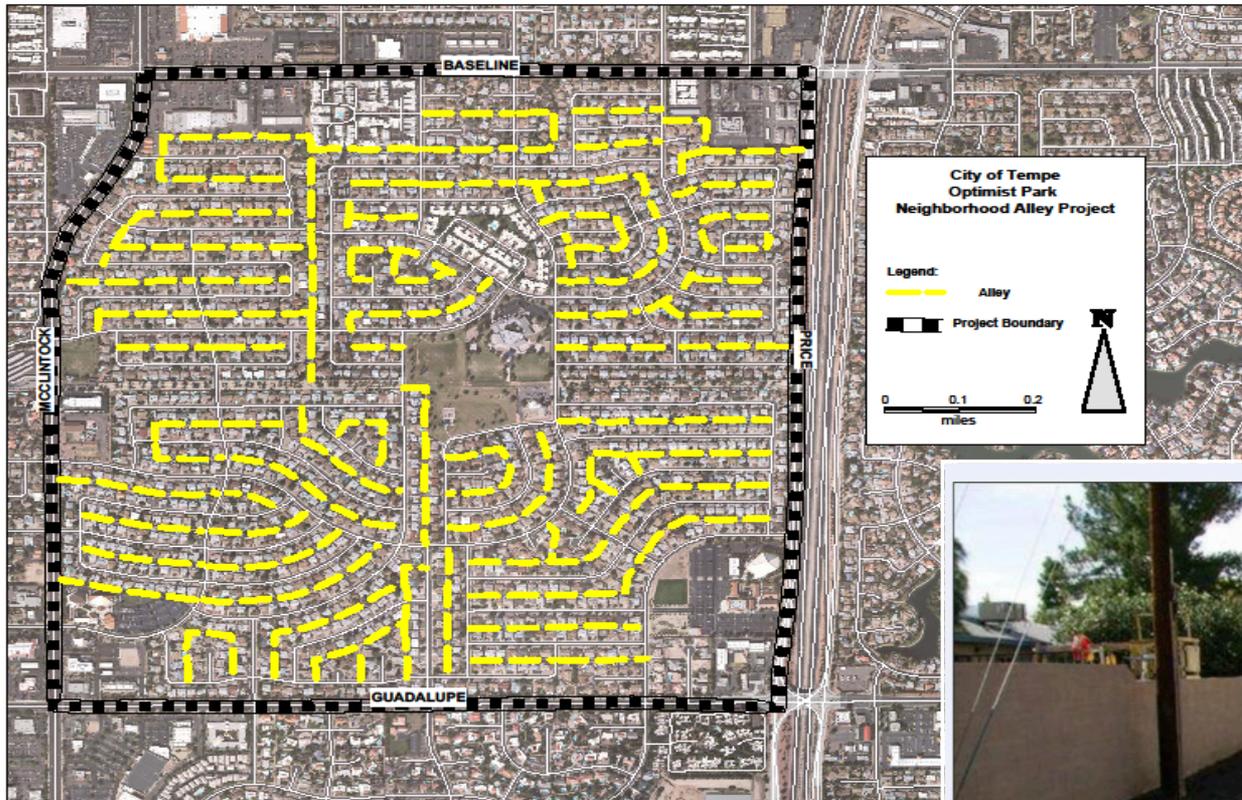
17th Avenue: Maddock Rd to Joy Ranch Rd





Site Visits

- Required
- Photos of the current condition of the proposed project site
- Minimum of 1 photo. If your project contains eight segments, please include photos for each, if the cross-sections are different.



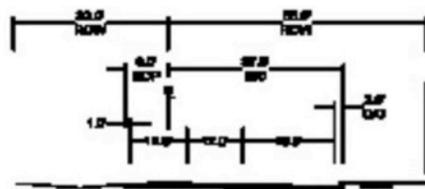
Part B – Segment Description & Proposed Improvements

- Details of project:
 - Current condition
 - Surface
 - AWDT
 - Traffic
 - Anticipated Environmental
 - ROW
 - Utilities

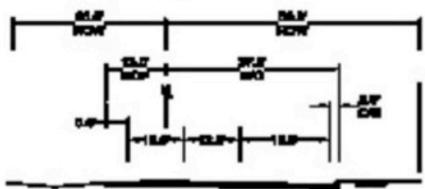


Part B – Segment Description & Proposed Improvements

- Details of project:
 - Proposed Improvements
 - Type of project
 - Description of work
 - **Cross Section**
 - Alignment changes
 - Type of paving, treatment, etc.
 - Access points



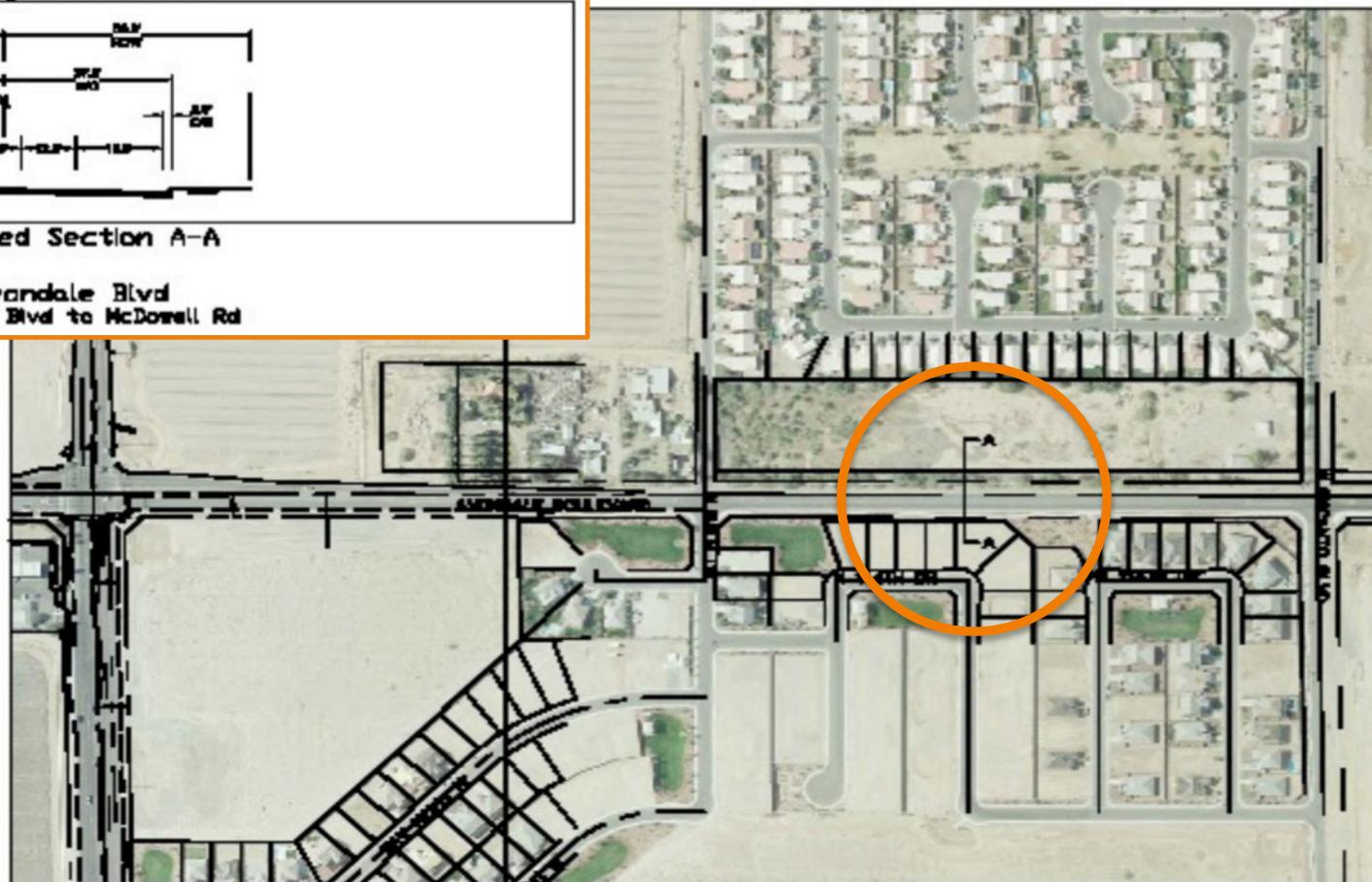
Existing Section A-A



Proposed Section A-A

Avondale Blvd
Encanto Blvd to McDowell Rd

Map 1



Part C - Project Costs

Paving Dirt Roads, Bike/Ped, ITS Applications:

- Required:
 - Cost estimate (budget worksheet included)
 - Construction
 - ADOT Construction Admin Fee is required
 - Contingency
- Requested MAG Programming –
MAG will program for Construction phase for each project. Select which year for your first preference



Required Signatures

Who is the jurisdiction's manager/administrator or designated representative?

- A jurisdiction's manager/administrator is the City/Town/Agency Manager. A designated representative of a jurisdiction is an employed staff person of the jurisdiction designated by the chief administrator to sign MAG funding request documents on behalf of that jurisdiction.

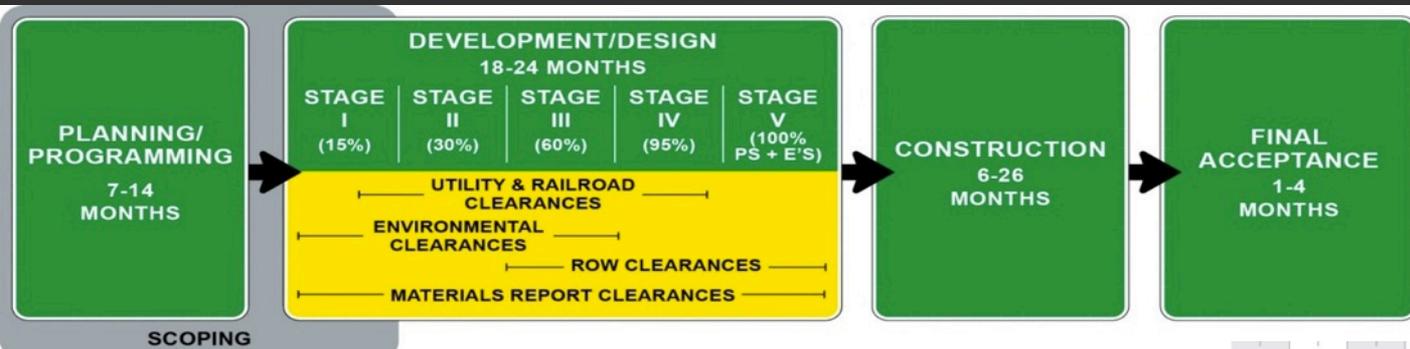
FAQ - #6

Transmittal Instructions

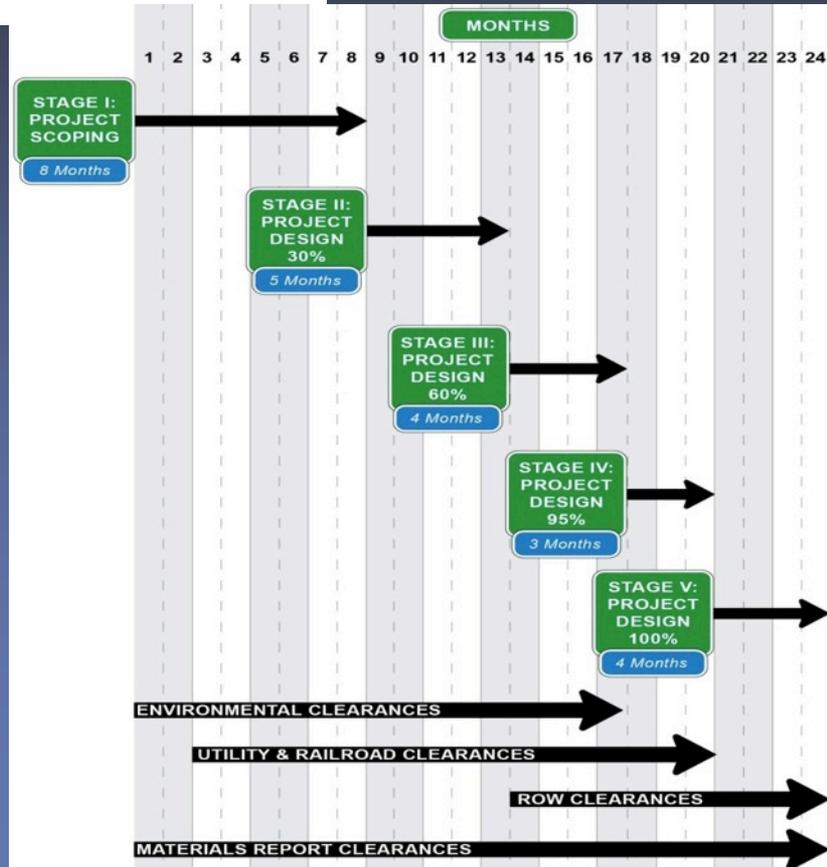
1. Transmit Application electronically – Keep in excel format, support items including photos, graphics, etc., can be in pdf. GIS shape files of project are appreciated.
2. Submit 2 signed copies to MAG by 10:00 A.M.
Early apps appreciated!
 - Drop off or mail
 - *Running late* – Fax over signed copies, or scan and send. The originals have to follow in mail or in person ASAP.

Wednesday, September 19, 2012 10:00 A.M.

Late applications will not be accepted



Project Development Life Cycle





Project Development

Planning/Programming

- Project identified
- Funding identified / Eligibility approved
- Programmed in TIP / STIP
- ADOT Project Number (TRACS) assigned
- Federal-Aid Project Number assigned
- Scoping

Development/Design

- Scoping
- IGA
 - ✓ Identifies design review fee / local match components
- Clearances (Environmental, ROW, Railroad/Utilities, Materials Memo
 - ✓ Environmental/ROW issues can lengthen timeline
- Consultant selection
- Plan Stages
 - ✓ Design should not proceed beyond 30% without NEPA clearance
- Funding authorization
- Bid



Project Development

Construction

- Award
- Construction administration
- Construction oversight
- Materials sampling and testing
- Mitigation

Final Acceptance

- Project close out
- Funding reimbursement
- Monitoring
- Recordkeeping / Reporting

Thank you!

MAG TIP Staff

- Teri Kennedy
- Steve Tate
- tkennedy@azmag.gov
- state@azmag.gov

- 602.254.6300

ADOT ITD

- Patrick Stone
- pstone@azdot.gov

- 602.712.4428

Break out Sessions 10:00-11:00

Saguaro Room (here)

- Paving Dirt Roads
- Street Sweepers
 - Dean Giles
 - Steve Tate

CMP and General Questions

- Monique de los Rios Urban
- Teri Kennedy, Patrick Stone

Cottonwood Room

- ITS Projects
 - Sarath Joshua
 - Leo Luo

Ironwood Room

- Bike/Ped Projects
 - Maureen DeCindis
 - Alex Oreschak

Street Sweepers and Paving Dirt Roads

Street Sweepers

- What the sweeper will be used for:
 - Replace a noncertified sweeper
 - Expand service area
 - Increase sweeping frequency
 - Replace an older certified sweeper
- Sweeping cycle length
- Lane miles
- Average weekday traffic
- Detailed price estimate from vendor is required
- Commitment in the 5% Plan for PM-10
- Location & maps of where street sweeper will be used
- Sweeper fleet
- Federal, Local, and Total eligible costs for sweeper
 - **Additional local costs** – not eligible
- Maintenance of Sweepers is agency's responsibility for useful life of the vehicle.