

A CALL FOR PROJECTS

MARICOPA ASSOCIATION OF GOVERNMENTS

NOVEMBER 2013
WORKSHOP

Teri Kennedy and Stephen Tate
November 5, 2013



Today's Agenda

1. General Information & Schedule
2. MAP-21
3. Funding
 - a) PM-10 Certified Street Sweepers
 - b) PM 2.5 Pave Unpaved Roads
4. Programming Principles
5. Applications and Eligibility
6. ADOT Local Governments Project Development Process
7. Questions and Answers



Staff Available

MAG Staff

- Dean Giles
- Steve Tate
- Teri Kennedy



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Webpage

<http://www.azmag.gov/Transportation/ModalApplications.asp>

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



FY2014-FY2018 TIP Modal Applications

IN THIS SECTION

- Regional Transportation Plan (RTP)
- Transportation Improvement Program (TIP)
- Arizona On-Line Program (AZOLP)
- Statewide Roadway and Safety
- Regional Transportation Plan (RTP) - Unpaved Road Projects
- Unpaved Roadway System
- Transportation Safety Planning Program
- Transportation Safety and Reports
- Commuter Trip Planning
- Federal Vehicle Logistics
- Asset Management and Management System
- Asset Management
- Asset Management

October, 2013

The FFY 2014 CMAQ PM-10 Street Sweeper CMAQ PM Projects is open. The FFY 2014, 2015, 2016, 2017 CMAQ CMAQ PM Projects for paving of unpaved dirt roads in the West Central Pinal PM 2.5 Nonattainment Area is open.

Programming Documents:

- Memorandum Call for Projects: Notice of Funding
- Memorandum PAV-10 Certified Street Sweepers
- Memorandum Paving of Unpaved Road Projects in the West Central Pinal PM 2.5 Nonattainment Area
- Memorandum Paving of Unpaved Dirt Roads in the West Central Pinal PM 2.5 Nonattainment Area
- Cost Extension Sheet, Optional
- FY2014 Street Sweeper Applications in the PM-10 Nonattainment Areas (Maricopa and Pinal Counties) within the MAG planning region.
- ADOT Policies and Procedures: Federal Property Management Standards
- Certified Street Sweepers Under SCAGMS

Calendar

OCTOBER 2013

FFY2014 CMAQ - Competitive Federal Fund Programming for Nonattainment Areas

PM-10 Certified Street Sweepers, PM-2.5 Paving of Unpaved Dirt Roads Pinal County (limited).

Month	Date	Event
October	22	Federal Fund Project Applications available for PM-10 Certified Street Sweepers - FY2014, PM 2.5 Paving of Unpaved Roads. Application made available FFY2015, 2016, 2017 Construction Phase. Design for FFY2014, 2015, and 2016.
October	23	Notice of Funding released.
November	5	Applications Overview and Assistance meeting, 2:00 p.m. - 3:00 p.m. MAG Officers, Ironwood Meeting Room, Phoenix, AZ
November	22	10:00 a.m. - Due Date and Time, signed Project Applications due to MAG. Late Applications will not be accepted.
November	24	MAG Staff review for completeness.
November	28	3:00 pm Application submittal packets posted to website.
December	5	Questions and comments from Street Committee sent by email to MAG Staff, forwarded to applicants by Dec. 6, 2013, COB.
December	10	Street Committee - review of proposal applications for PM-10 Certified Street Sweepers - FFY2014, and Presentations and review of PM 2.5 Const. Paving of Unpaved Dirt Roads FFY2015, 2016, 2017. Design for FFY2014, 2015, and 2016.
January	24	Street Committee review of project CMAQ/AD scores for PM-10 Certified Street Sweepers - FFY2014, and Presentations of PM 2.5 Const. Paving of Unpaved Dirt Roads FFY2015, 2016, 2017.

Project Application Schedule

- November 5, 2013 – 2:00 p.m. – 3:00 p.m. - Workshop
- **Friday, November 22– 10:00 A.M.** – Application for MAG Federal Fund Program due – LATE APPLICATIONS WILL NOT BE ACCEPTED

Tentative Committee/approval Schedule, - subject to change:

- **December 10th** – Street Committee reviews applications and presentations are made
 - Dec/Jan – Staff evaluates applications for emissions reductions and cost effectiveness (AQ Score is generated).
- **January 14th, 2014** – Street Committee provides programming recommendations and AQ Technical Committee provide project recommendations.
- **January 30th, 2014** – TRC recommends Paving projects for funding.
- **February 2014** – Management & RC approve Street Sweepers; Management, TPC, and Regional Council approve paving projects.

Open Working Groups

- Time for applicants to work on their applications with MAG staff. Time will be provided on a first come first serve basis.
- Working Sessions/groups will be scheduled to meet agency and MAG staff availability.
- These are not formal workshops or meetings and **no presentations** will be given.



- 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.
- *Under MAP-21 CMAQ now has a PM 2.5 takedown.*
- All projects in this round of a **Call for Projects** will be CMAQ funded.

Available Federal Funds



- PM-10 Certified Street Sweepers, FFY2014 –
≈ \$900,000 federal CMAQ funds
- PM-2.5 Pave Unpaved Road, FFY2014, 2015, 2016, and 2017 –
≈ \$ 700,000 federal CMAQ funds annually

Projects and Federal Funds

- Funding is available for Design and Construction projects and Procurement of Street sweepers (reimbursement 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.

* Eligible activities

MAG Federal Fund Programming Principles (in the Transp. Programming Guidebook)

- MAG Staff will issue a receipt when **completed** application is received.
- **Technical Advisory Committee's (TAC) role is to administer a project evaluation process that results in a list of eligible project applications with a recommended ranking and programming list.**
 - The Street Committee will initially evaluate technical aspects of the proposed projects and in the January Meeting make programming recommendations for paving projects.
 - The MAG Air Quality Technical Advisory Committee may make a recommendation on a ranking of the proposed Paving Unpaved Road Projects to the TRC.

MAG Federal Fund Programming Principles (in the Transp. Programming Guidebook)

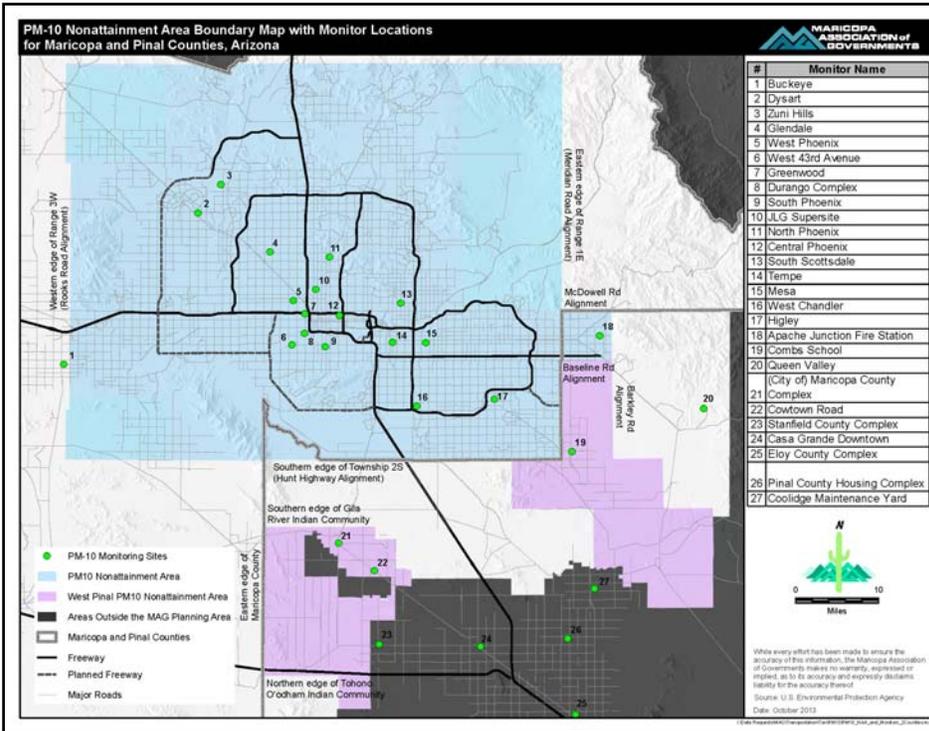
- The TAC will will evaluate modal aspects and technical merits of each project. -And may ask project agency questions to clarify the project's eligibility and merit.
- The TAC **will not** change the project scope, schedule, budget or requested federal funds.

MAG Federal Fund Programming Principles (in the Transp. Programming Guidebook)

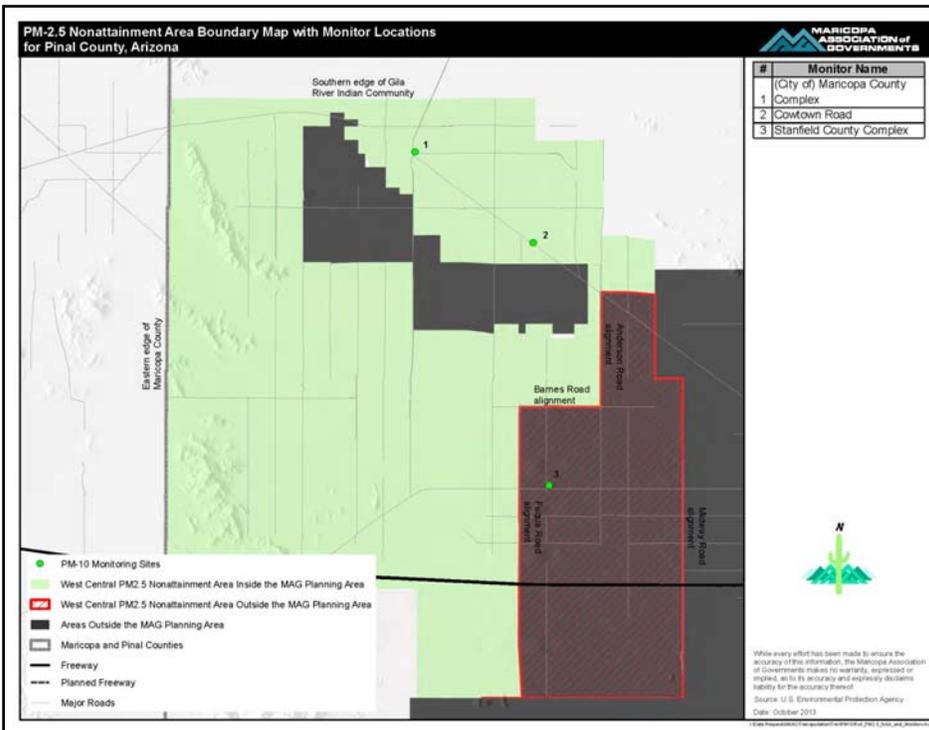
- Two tiered review process
 - 1st meeting – review applications, presentations of projects applications, questions about information in applications is reviewed.
 - 2nd meeting – continue review of any additional clarified project information, review AQ scores, move forward with recommended ranking (based on AQ score) and programming process.
- January 2014 Transportation Review Committee to recommend paving projects to be selected and programmed with federal funds. **The rank order will determine awarded projects based on availability of funding.****

Eligibility of Projects

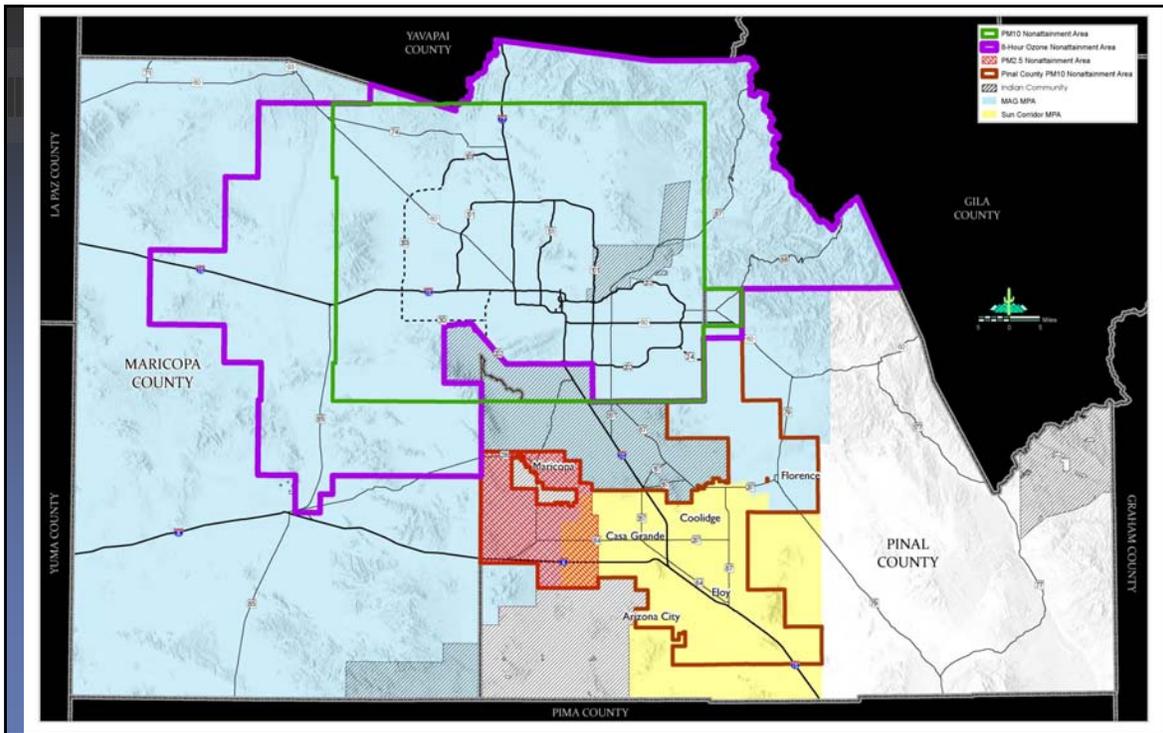
- Must be eligible per the CMAQ Federal Guidelines to be funded
 - <http://www.fhwa.dot.gov/environment/cmaqpgs/cmaq08gd.pdf>
- Must be within the Nonattainment area boundary
 - Street Sweepers – PM-10 or PM-2.5 MAG Planning Boundaries
 - Paving of unpaved dirt roads – PM-2.5 Boundary



PM-10 Street Sweepers



PM-2.5 Paving Unpaved 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
- 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.

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.



8. Reimbursement Information			
	Amount	Funding Type	Share of Eligible Cost (See #7)
(a) Federal Share of Total Cost Eligible for Reimbursement (Cannot be more than 94.3% of Total Eligible Cost for Reimbursement as listed in #7) = 7b * 94.3%	\$0	CMAQ	The total cost in question 7b is \$0
(b) Local Share of Total Cost Eligible for Reimbursement (Cannot be less than 5.7% of Total Cost Eligible for Reimbursement as listed in #7b) = 7b * 5.7%	\$0	Local	The total cost in question 7b is \$0
9. Project Funding Based on Information from #7 & #8	Federal Share = 8a	Local Share = 7c + 8b	Total Cost of Sweeper
	\$0	\$0	\$0

PART C: METHODOLOGY INFORMATION					
Information in Part C is used to calculate a CMAQ cost effectiveness score for the requested street sweeper.					
10. The requested PM 2.5 certified street sweeper will (Select Yes or No for all that apply):					
1	(a) Replace a noncertified street sweeper				
2	(b) Expand service area				
3	(c) Increase sweeping frequency				
4	(d) Replace an older certified street sweeper (The older certified sweeper being replaced should be at least 8 years old)				
11. For the requested sweeper, please provide the information for roadway types in the table below for:					
6	(a) Sweeping cycle length (measured in days between sweepings)	Arterial Street	Collector Street	Residential Street	Other
7	(b) Lane miles to be swept per cycle				
8	(c) Average weekday traffic per lane being swept				
9	(d) If values were entered in the "Other" column, please specify what "Other" means:				
12. If "expand service area" was "yes" in question					

Application Tabs

- Each application is multipart.
- Fill out each tab; additional tabs included for multiple project sections.

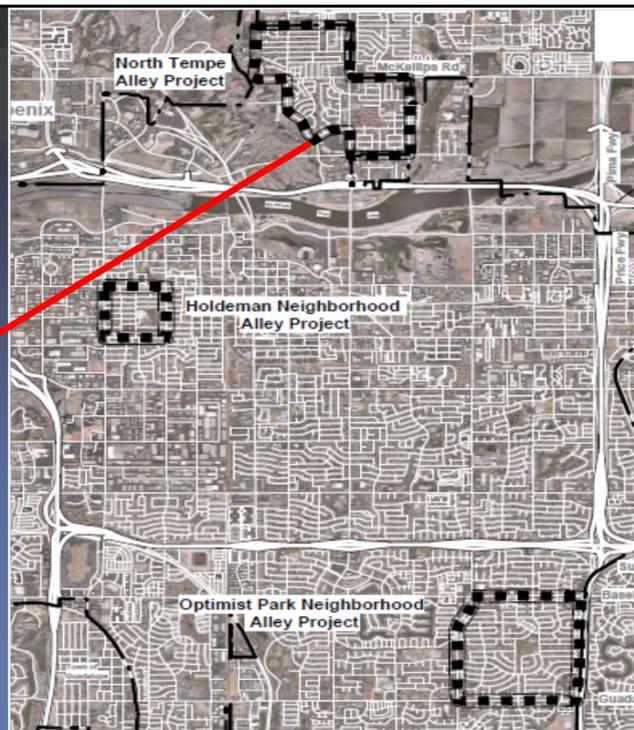
19	10. Federal law requires that all federally funded projects comply with a federal environmental clearance. For projects that have a minimum ground disturbance, environmental surveys are required and an environmental document will need to be prepared, which typically requires 12 months to complete. In the box to the right, please describe any known cultural, historical and biological resources, hazardous materials or other environmental issues that could affect work on the segment.								
20	11. Current ROW: (Choose All that Apply and select Yes or No)								
21	Agency owns all ROW Needed								
22	ROW to be acquired								
23	Owners will donate ROW								
24	Condemnation may be required								



Segments – FAQ's

- 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.

Graphic Example with segments



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

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Map & GIS Resources

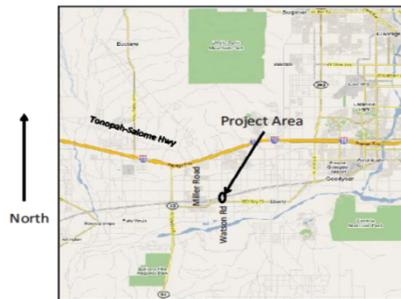
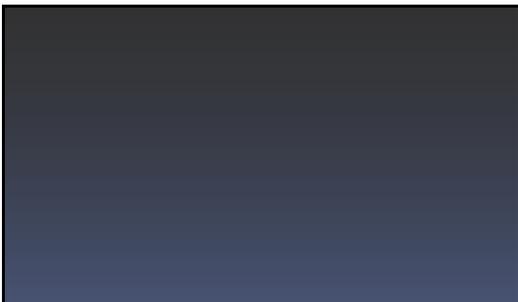
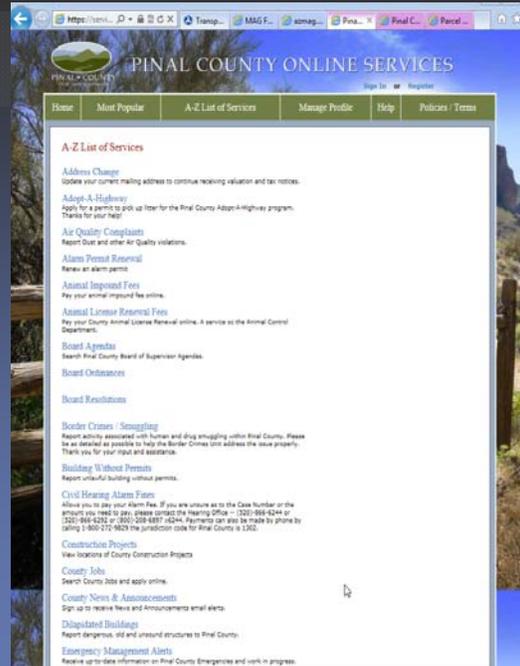
- Maricopa County Assessor parcel lookups:
 - <http://mcaassessor.maricopa.gov/assessor/>
- Maricopa County GIS and PlanNet
 - http://www.fcd.maricopa.gov/maps/gio/gio_gis_portal.html



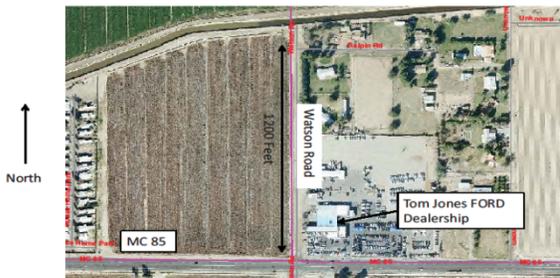
A screenshot of a web browser displaying the Maricopa County Assessor's website. The browser address bar shows 'mcaassessor.maricopa.gov/assessor/Maps.aspx'. The website header includes the name 'Keith E. Russell, M.A.I.' and the Maricopa County Assessor logo. Below the header is a 'QUICK LINKS' section with buttons for 'Home', 'Contacts', and 'Parcel Search'. There are also links for 'Advanced Search Options', 'Market Overview', and 'Residential Similar Property Search'. A sidebar on the left lists various services like 'Office of the Assessor', 'Geners Valuation Protection', 'Maps', 'Forms', 'Reports / Data Sales', 'Real Property', and 'Personal Property'. The main content area features a section titled 'GIS Interactive Maps JavaViewer' with a description and a link to a 'Map Guide Hints' page. Other links include 'GIS Map ID Search', 'About Map IDs', 'GIS County Growth Demo', 'GIS Links', 'Cad Levels', 'New Parcel Lookup', and 'Questions & Answers'.

Map & GIS Resources

- Pinal County Assessor parcel lookups:
- <http://pinalcountyz.gov/Assessor/Pages/ParcelSearch.aspx>
- Pinal County GIS <https://gismaps-test.pinalcountyz.gov/webmap/webmap3.aspx?XML=parcelviewer.xml>



**TOWN OF BUCKEYE, ARIZONA
WATSON ROAD VICINITY MAP EXHIBIT**



WATSON ROAD – NORTH EXHIBIT

Site Visits

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



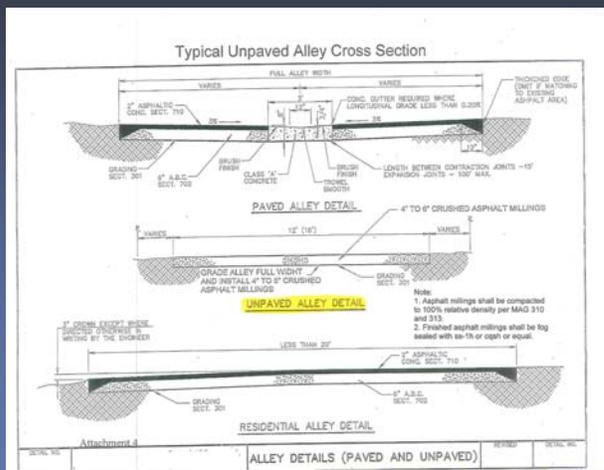
Part B – Segment Description & Proposed Improvements

- 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



Part C - Project Costs

Paving Dirt Roads Applications:

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



Required Signatures

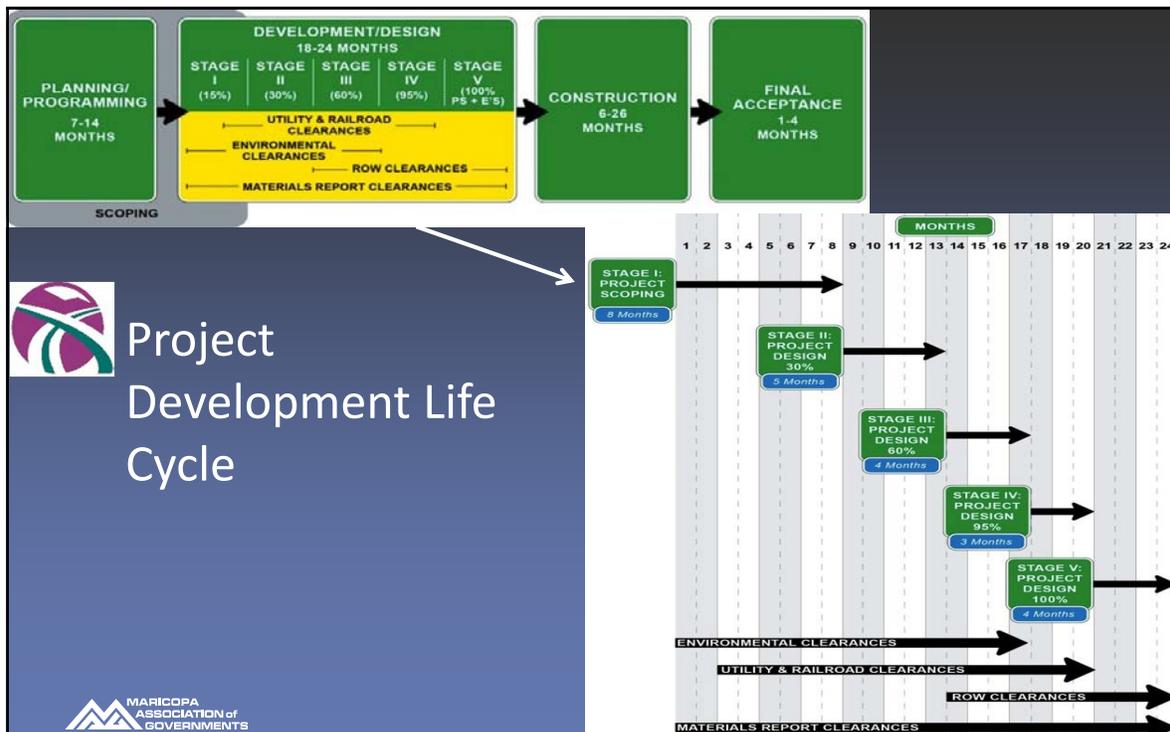
Who is the jurisdiction's manager/administrator or designated representative?

- 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.

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 **November 22, 2013, 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.

Friday, November 22, 2013 by 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 (**Authorization**)
- 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 Staff

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