

## PM-10 PAVING UNPAVED ROAD PROJECT APPLICATION

### CMAQ Funding Available for Federal Fiscal Year 2015, 206 and 2017

**General Instructions:**

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.

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.

**Deadlines and Transmittal Instructions:**

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.

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:

<mailto:state@maq.maricopa.gov>

<mailto:tkennedy@azmag.gov>

**All information is required, unless noted by the word - Optional.**

### PART A - CONTACT AND PROJECT DESCRIPTION

**Contact Information**

1. Agency Name	Maricopa County
2. Name:	Eric Mayer
3. Phone:	602-506-8367
4. E-Mail:	EricMayer@mail.maricopa.gov
5. Mailing Address:	2901 West Durango Street Phoenix, AZ 85009

**Project Description**

6. Please provide the Project Title.	McLellan Road Area PM-10 Paving
7. Please provide a general description of the project.	Maricopa County Department of Transportation has identified McLellan Road from 103rd Street to Signal Butte Road, and 104th Street from the beginning of maintenance to McLellan Road, to be considered for improvements under its Low Volume Road Program in which MCDOT plans to suppress the dust generated by paving frequently traveled dirt roads to improve air quality and other significant concerns.
8. Please attach a map showing the location(s) of the roadway(s), alley(s) or shoulder(s) to be paved.	<b>Please attach map with transmittal</b>
9. Please enter the number of <b>segments</b> to be included in the project (See definition of segments below).	2
10. Please review the PM-10 Monitor Locations to verify that the proposed project is in the nonattainment area. Enter 'Yes' or 'No'. <a href="#">Link to PM-10 Monitor Locations Map</a>	Yes

**Site Visit Information**

**PM-10 PAVING UNPAVED ROAD PROJECT APPLICATION**

**CMAQ Funding Available for Federal Fiscal Year 2015, 206 and 2017**

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.

a. Name of Person who completed site visit	Juan Castaneda
b. Date site visit completed	9/13/2012
c. Pictures of the site visit are required.	Please attach pictures with transmittal

**SEGMENTS: Each project will include one or more segments of roadway, alley or shoulder to be improved. A segment is defined as either:**

- 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
- b. Discontinuous shoulder improvements along a continuous length of roadway with a fixed starting and ending limit that has a relatively uniform cross section.

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.**

## PART B - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS

This part of the form identifies the current characteristics and proposed improvements for each segment of the project. A separate Part B must be completed for each segment. e.g. If in field #9 of Part A, it was indicated that 5 segments were included in the project, 5 Part B's must be completed in the application. The additional Part Bs are separate tabs in this excel file noted as: Part\_B2, Part\_B3, etc.

The purpose of Part B is to provide sufficient information to evaluate the cost estimate for the project and to provide assurance that the project will be capable of meeting the ADOT administered federal design review and clearance process. This process requires environmental, ROW and utilities clearances and a bid ready design prior to FHWA approval to encumber federal funding for construction.

Section 1 - Segment Description	Segment 1
1. Segment Location - Include segment beginning and ending limits	McLellan from 103rd Street to Signal Butte Road
2. Length and Curb Miles	
a. Length (Miles) of the segment	0.625 (3,300')
b. Curb Miles: Miles of shoulders or curbs to be paved by direction (e.g. if discontinuous shoulder sections on both sides of the roadway are to be paved, enter the combined distance of shoulders to be paved).	0
3. Please provide a map/graphic/photo that clearly shows the segment alignment and features that cross into or abut the alignment such as: washes, canals, railroad crossings, and other crossing features that may affect the project.	<b>Please attach map with transmittal</b>
4. Please provide a simple diagram of a typical cross section, including widths, of the segment that shows the current right of way limits, sidewalks and shoulders (if any), and the lanes of travel.	
5. Will the requested paving project pave a road, alley or shoulder within 4 miles of a PM-10 monitor? Which	No
<a href="#">Link to PM1- Monitors Map on the MAG Website</a>	
6. Please describe the current surface condition of the shoulder, alley or road segment to be paved. Also is the surface graveled or use dust suppressants?	The roadway grade is rolling with loose gravelly material throughout the project. There is an existing pavement on 103rd Street which ends on the north side of McLellan Road.
7. Please describe traffic on the segment (e.g weekday percent truck, etc.).	Local
8. Current Average Traffic (ADT)	123
9. Please describe methodology used to calculate ADT	Standard tube count.
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.	characteristics consisting of sandy bottom, heavy vegetation and high water marks. Crossing of 404 Washes should qualify under a Nationwide Permit 14 from the Army Corps of Engineers. If the crossing will disturb less than 0.10 acres it is considered to be non-notifying. If the crossing is greater than 0.10 acres but less than 0.5 acres it will be necessary to process a Nationwide Permit. If the disturbance is greater than 0.5 acres it is possible that it would require an Individual Permit. This project will likely disturb less than 0.10 acres. The area has vegetation that would be impacted by roadway improvements
11. Current ROW: (Choose All that Apply and select Yes or No)	
Agency owns all ROW Needed	No
ROW to be acquired	Yes
Owners will donate ROW	No

**PART B - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS**

Condemnation may be required	Yes
12. Please describe any right of way issues associated with the segment.	wide. Beginning at 103rd Street going east the right-of-way is 40-foot wide north of the survey centerline. The next 165-foot does not appear to have any right-of-way according to the Maricopa County Assessor's GIS website. The remaining segment has 40-feet of right-of-way south of the survey centerline. Improvements by the

**PART B - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS**

13. Current Utilities in or abutting the alignment: (Choose All that Apply and Select Yes or No)

Canals & Drainage	Yes
Power Lines & Cables	Yes
Pipelines, Sewer and Water	Yes
Private Structures	No
Other	
None	

14. Please describe any utility conflicts that will need to be addressed.

A Blue Stake inquiry indicates that the following utilities may be in the area:

- City of Mesa-Water, Sewer, Natural Gas and Storm Drain Facilities
- Cox Communication-Cable and Fiber Optic
- AT & T-Telephone and Fiber Optic
- Qwest-Telephone and Fiber Optic
- Salt River Project-Electric

Field observations for this segment have overhead power lines immediately to the south side of the roadway for the length of the segment.

**Section 2 - Proposed Improvements**

#REF!

1. What is the type of paving project? (Choose all that Apply and Select Yes or No)

Rural Road	Yes
Urban Road	No
Subdivision Street	No
Alley	No
Shoulders	No
Other	Describe:

2. Please describe the work to be performed on the segment:

Improvements include placing two 10-foot lanes with AC pavement and thickened edge on the existing graded roadway to limit dust. The cross section will be a one way crowned section sloped from west to east to match existing conditions. Dirt driveways shall be graded within right-of-way to match proposed edge of pavement. The construction centerline alignment will be located in the center of the available right-of-way. Dust proofing measures will include grading, watering and compaction and a 2-inch AC pavement section. Match existing cross section and profile as close as possible to eliminate the need for imported material.

3. Please provide a simple diagram of a typical cross section, including widths, of the segment that shows the proposed improvement(s) and the after construction right of way limits, sidewalks and shoulders (if any), and the lanes of travel.

4. (Optional for shoulder and alley paving, required for road paving) Please describe vertical alignment changes.

5. (Optional for shoulder and alley paving, required for road paving) Please describe horizontal alignment changes.

6. (Optional for shoulder and alley paving, required for road paving) Design speed of the after construction segment.

7. Please describe the type of paving for the segment.

2-inch AC pavement

8. Non paving improvements to be included: (Choose All that Apply and Select Yes or No)

**PART B - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS**

Sidewalks	No
Fencing	No
Lighting	No
Curb & Gutter	No
Bicycle path or lane	No
Other	Drainage improvements; utility improvements and signing/stripping
9. Please describe the non paving improvements to be included in the segment.	<p>This road only provides access to the adjacent residents and other residential streets; as such installation of pavement marking will not be necessary.</p> <p>The following signing improvements will be considered:</p> <ul style="list-style-type: none"> <li>-All the street name signs will be removed and replaced in accordance with MCDOT's design guidelines.</li> <li>-25 mph speed limit signs will be installed.</li> </ul>
10. For roadway paving, please enter the number of unpaved access points (e.g. driveways, cross roads) to be paved by the project.	0

**PART C - TOTAL PROJECT SCHEDULE AND BUDGET INCLUDING ALL SEGMENTS**

Please provide a cost and programming estimate for the total project (e.g. the cost to complete all planned segment improvements). The design for the project should be programmed at least 1 year, preferably 2 years, prior to construction. Utilities and right of way should be programmed at least 1 year prior to construction, but may occur in the same year as construction depending on utility and right of way concerns that are identified in the segment description(s) in Part B(s).

**Section 1 - Total Project Budget**

1. Please attach a detailed cost estimate		(OPTIONAL)
Cost Estimate for the Project Including ALL Segments	Cost	(Optional) Additional Notes
2. PE and Final Design	\$ 48,000	
3. Right of way	\$ 200,000	
4. Utilities	\$ -	
5. Construction	\$ 400,000	
6. Contingency	\$ 80,000	
7. Total Cost w/o ADOT Review Fee	\$ 728,000.00	
8. ADOT Review Fee	\$ 20,000.00	Required ADOT review fee. The fee is calculated as \$20,000 or 2% of project cost, which ever is higher.
9. Total Cost with ADOT Review Fee	\$ 748,000.00	Summarion of Cost Cells

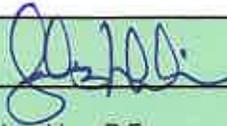
**Agency Programming**

10. Please describe the programming of the project in the agency's own CIP/TIP.

Requested MAG Programming	Year (Choose One)	Local Funding Source	Local Cost	CMAQ COST	Total Cost
11. Design	2014	HURF	48,000	0	48,000
12. Right of way and Utilities	2013	HURF	200,000	0	200,000
13. Construction	2015	HURF	27,360	452,640	480,000
			275,360	452,640	728,000

## PART D - SIGNATURE AND CHECKLIST

As the jurisdiction's manager/administrator or designated representative, I certify that the information contained in this application is accurate and complete and that the local funds for this project will be included in the sponsoring MAG member agency's local current CIP/TIP or budget document if the project is selected for federal funding.

Signature: 

Name: John B. Hauskins, P.E.

Title: Director, Maricopa County Department of Transportation

Date: 9/19/2012

### Checklist - OPTIONAL

This check list is optional, but is included to facilitate applicant review and verification that all required fields in the form have been completed.

PART A - Contact, Project Description and Site Visit Fields	Complete?
Contact Information, fields 1 – 5 are complete	<input type="checkbox"/>
Project Description, fields 6, 7, 9 and 10 are complete	<input type="checkbox"/>
Project Description, field 8 – project map is provided in the printed application. Please attach a PDF file in the electronic submittal.	<input type="checkbox"/>
Site Visit Information, fields 11a and 11b	<input type="checkbox"/>
Site Visit Information, fields 11c Pictures attached.	<input type="checkbox"/>
PART B - Segment Description and Proposed Improvements Fields	Complete?
The number of complete Part B Segments match the number of segments listed in Part A, Field 9.	<input type="checkbox"/>
<b>Segment Description, Section 1</b>	<input type="checkbox"/>
Fields 1 - 2 are complete	<input type="checkbox"/>
Field 3 – segment alignment map is provided in the printed application. Please attach PDF file in the electronic submittal.	<input type="checkbox"/>
Field 4 attach PDF file in the electronic submittal.	<input type="checkbox"/>
Fields 5 – 14 are complete	<input type="checkbox"/>
<b>Proposed Improvements, Section 2</b>	<input type="checkbox"/>
Fields 1 – 2 are complete	<input type="checkbox"/>
Field 3 attach PDF file in the electronic submittal.	<input type="checkbox"/>
Fields 4 – 6 <b>REQUIRED</b> for Road and Street Segments and are complete.	<input type="checkbox"/>
Fields 4 – 6 <b>OPTIONAL</b> for shoulder and alley segments, please check box if complete.	<input type="checkbox"/>
Fields 7 – 10 are complete	<input type="checkbox"/>
PART C - Total Project Schedule and Budget Including All Segment Fields	Complete?
<b>Section 1 - Total Project Budget</b>	<input type="checkbox"/>
Fields 1- is <b>OPTIONAL</b> . Please attach a PDF file in the electronic submittal if a detailed cost estimate is provided with printed application	<input type="checkbox"/>
Fields 2 – 6 are complete	<input type="checkbox"/>
Field 7 is <b>REQUIRED</b> for non certified agencies, please check box if included and provided in the printed application.	<input type="checkbox"/>
Field 8 is <b>OPTIONAL</b> , please check box if included and provided in the printed application. Please attach PDF file in the electronic submittal.	<input type="checkbox"/>
Field 9 - total cost field is complete	<input type="checkbox"/>
Field 10 - Agency CIP programming is completed	<input type="checkbox"/>
Fields 11 – 13 Years are complete	<input type="checkbox"/>
Fields 11 – 13 Local Funding Sources are complete	<input type="checkbox"/>
Fields 11 – 13 Local Costs are complete	<input type="checkbox"/>
Fields 11 – 13 Total Costs are complete	<input type="checkbox"/>
Field 13 Federal Costs are complete	<input type="checkbox"/>
<b>Section 2 - Project Schedule is OPTIONAL</b>	<input type="checkbox"/>
Fields 1 - 14 are <b>OPTIONAL</b>	<input type="checkbox"/>
PART D - Signature Page Fields	Complete?
Form is signed	<input type="checkbox"/>
Name, title and date fields are completed.	<input type="checkbox"/>

## TRANSMITTAL INSTRUCTIONS and SCHEDULE

The due date and time for project applications to be submitted to MAG is **Wednesday, September 19, 2012 by 10:00 p.m.**

### Member agencies are to:

#### 1) Transmit the application and all attachments electronically, and

To transmit the application electronically, please save the excel file, and then send the application and all attachments to Teri Kennedy, Transportation Programming Manager. Please send graphic attachments in PDF form. Click cell below to send e-mail.

[mailto: MAG Staff](mailto:MAG Staff)

#### 2) Submit two printed, signed, and complete applications to MAG.

To submit two printed, signed, and complete applications to MAG, the applicant can mail **(at MAG offices by Wednesday September 19, 2012 at 10:00)** or drop off application to:

Maricopa Association of Governments  
ATTN: Teri Kennedy,  
302 N. 1st Avenue, Suite #300,  
Phoenix, AZ 85003.

Or, the applicant can scan a printed and signed application and transmit it via e-mail or fax to: [tkennedy@azmag.gov](mailto:tkennedy@azmag.gov) or 602.254.6300 by Wednesday, September 19th @ 10:00 a.m. If the applicant is transmitting a scanned, printed, and signed application via e-mail or fax, the applicant will mail or drop off the original printed application by Wednesday, September 26, 2012.

### Application Workshops and Open Working Group Meeting Schedule\*

Monday, August 13, 2012 from 9:00-11:00 AM	Workshop on MAG Transportation Programming and Federal Fund Project Applications
Monday, August 27, 2012 from 1:00-3:30 PM	Open Working Group - Federal Fund Project Applications
Monday, September 10, 2012 from 8:30-11:00 AM	Open Working Group - Federal Fund Project Applications

\* All meetings will be held on the 2nd Floor of the MAG Offices at 302 North 1st Ave, Suite 300, Phoenix, Arizona 85003

PM-10 Paving Application from Maricopa County for 'McLellan Road Area PM-10 Paving'

## Instructions for the Submittal of GIS Data for CMAQ Funding Applications

It is preferred that, when possible, member agencies submit GIS data representing the locations of projects defined in their CMAQ Applications. For member agencies unable to meet this requirement, MAG staff is available to assist in this area.

### Submission Requirements

GIS Data – For each geometry type (point, line, polygon), please provide a single GIS shapefile or feature class for your jurisdiction. Example: if you are submitting Project Applications that are for both linear features (bike lanes) and point features (crossings), you would submit a total of two shapefiles or geodatabase feature classes along with your Project Application.

File Formats – Agencies that are able to submit GIS data along with CMAQ Applications shall provide the data in one of three formats that are compatible with ESRI products: (1) shapefile, (2) Personal Geodatabase, or (3) File Geodatabase.

Spatial Reference – The preferred spatial reference system of submitted GIS data is State Plane Arizona Central NAD 83 HARN.

Attributes – All GIS data submitted shall, at a minimum, have the following attributes:

- PROJECT\_TITLE – the name of the project; this should be the same as the Project Title in the Project Application
- LOCATION – (optional) a description of the location of the project. Linear features should be described by their start and end locations. Polygon features should be described using streets, water courses, canals, city boundaries, or other landmarks as a means of describing the location of the project.

<Provide screenshot showing graphic link between survey response in Excel and the attribute table.>

## PART B2 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS

This part of the form identifies the current characteristics and proposed improvements for each segment of the project. A separate Part B must be completed for each segment. e.g. If in field #9 of Part A, it was indicated that 5 segments were included in the project, 5 Part B's must be completed in the application. The additional Part Bs are separate tabs in this excel file noted as: Part\_B2, Part\_B3, etc.

The purpose of Part B is to provide sufficient information to evaluate the cost estimate for the project and to provide assurance that the project will be capable of meeting the ADOT administered federal design review and clearance process. This process requires environmental, ROW and utilities clearances and a bid ready design prior to FHWA approval to encumber federal funding for construction.

Section 1 - Segment Description	Segment 2
1. Segment Location - Include segment beginning and ending limits	104th Street from beginning of maintenance to McLellan Road
2. Length and Curb Miles	
a. Length (Miles) of the segment	0.2
b. Curb Miles: Miles of shoulders or curbs to be paved by direction (e.g. if discontinuous shoulder sections on both sides of the roadway are to be paved, enter the combined distance of shoulders to be paved).	0
3. Please provide a map/graphic/photo that clearly shows the segment alignment and features that cross into or abut the alignment such as: washes, canals, railroad crossings, and other crossing features that may affect the project.	<b>Please attach map with transmittal</b>
4. Please provide a simple diagram of a typical cross section, including widths, of the segment that shows the current right of way limits, sidewalks and shoulders (if any), and the lanes of travel.	
5. Proximity of the segment to nearest PM-10 air quality monitor: (Indicate miles)	7.2
<a href="#">Link to PM1- Monitors Map</a>	
6. Please describe the current surface condition of the shoulder, alley or road segment to be paved:	The roadway grade is fairly flat with loose gravelly material throughout the project.
7. Please describe traffic on the segment (e.g weekday percent truck, etc.).	Local
8. Current Average Traffic (ADT)	121
9. Please describe methodology used to calculate ADT	Standard tube count.
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.	characteristics consisting of sandy bottom, heavy vegetation and high water marks. Crossing of 404 Washes should qualify under a Nationwide Permit 14 from the Army Corps of Engineers. If the crossing will disturb less than 0.10 acres it is considered to be non-notifying. If the crossing is greater than 0.10 acres but less than 0.5 acres it will be necessary to process a Nationwide Permit. If the disturbance is greater than 0.5 acres it is possible that it would require an Individual Permit. This project will likely disturb less than 0.10 acres. The area has vegetation that would be impacted by roadway improvements
11. Current ROW: (Choose All that Apply and select Yes or No)	
Agency owns all ROW Needed	Yes
ROW to be acquired	No
Owners will donate ROW	
Condemnation may be required	

**PART B2 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS**

<p>12. Please describe any right of way issues associated with the segment.</p>	<p>The existing right-of-way for 104th Street varies from 35 to 45-feet. MCDOT's Roadway Design Manual requires a 60-foot right-of-way. A right-of-way design exception will be required for this segment.</p>
<p>13. Current Utilities in or abutting the alignment: (Choose All that Apply and Select Yes or No)</p> <p>Canals &amp; Drainage Power Lines &amp; Cables Pipelines, Sewer and Water Private Structures Other None</p>	<p>Yes Yes Yes No Describe: </p>
<p>14. Please describe any utility conflicts that will need to be addressed.</p>	<p>the area: • City of Mesa-Water, Sewer, Natural Gas and Storm Drain Facilities • Arizona Water Company • Cox Communication-Cable and Fiber Optic</p>
<p><b>Section 2 - Proposed Improvements</b></p>	<p><b>Segment 2</b></p>
<p>1. What is the type of paving project? (Choose all that Apply and Select Yes or No)</p> <p>Rural Road Urban Road Subdivision Street Alley Shoulders Other</p>	<p>Yes No No No No Describe:</p>
<p>2. Please describe the work to be performed on the segment:</p>	<p>Improvements include placing two 10-foot lanes with AC pavement and thickened edge on the existing graded roadway to limit dust. The cross section will be a one way crowned section sloped from west to east to match existing conditions. Dirt driveways shall be graded within right-of-way to match proposed edge of pavement. The construction centerline alignment will be located in the center of the available right-of-way. Dust proofing measures will include grading, watering and compaction and a 2-inch AC pavement section. Match existing cross section and profile as close as possible to eliminate the need for imported material.</p>
<p>3. Please provide a simple diagram of a typical cross section, including widths, of the segment that shows the proposed improvement(s) and the after construction right of way limits, sidewalks and shoulders (if any), and the lanes of travel.</p>	
<p>4. (Optional for shoulder and alley paving, required for road paving) Please describe vertical alignment changes.</p>	
<p>5. (Optional for shoulder and alley paving, required for road paving) Please describe horizontal alignment changes.</p>	
<p>6. (Optional for shoulder and alley paving, required for road paving) Design speed of the after construction segment.</p>	
<p>7. Please describe the type of paving for the segment.</p>	<p>2-inch AC</p>
<p>8. Non paving improvements to be included: (Choose All that Apply and Select Yes or No)</p> <p>Sidewalks</p>	<p>No</p>

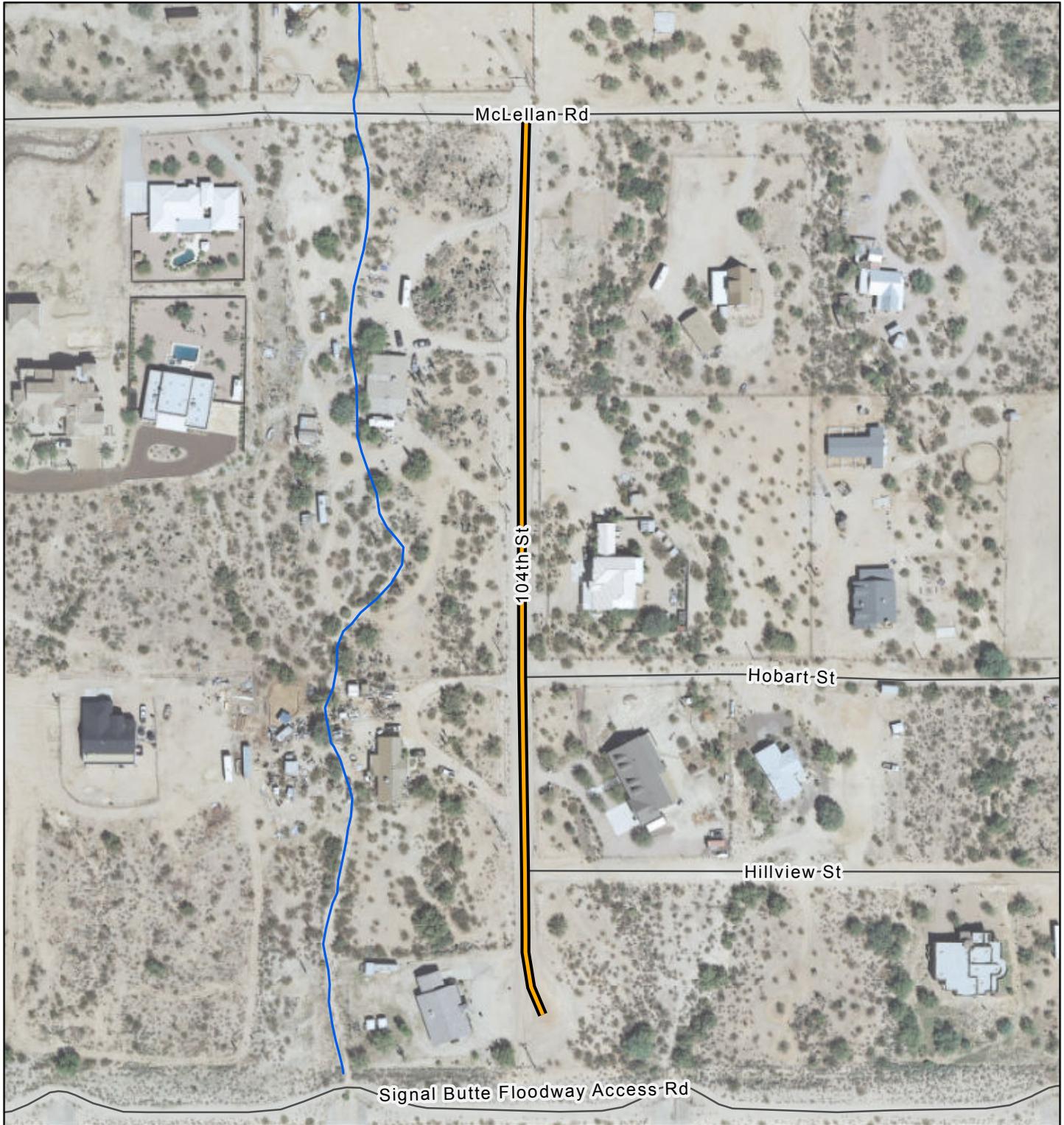
**PART B2 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS**

Fencing	No
Lighting	No
Curb & Gutter	No
Bicycle path or lane	No
Other	Describe:
9. Please describe the non paving improvements to be included in the segment.	<p>This road only provides access to the adjacent residents and other residential streets; as such installation of pavement marking will not be necessary.</p> <p>The following signing improvements will be considered:</p> <ul style="list-style-type: none"> <li>-All the street name signs will be removed and replaced in accordance with MCDOT's design guidelines</li> <li>-Installation of end of road markers for southbound traffic.</li> <li>-25 mph speed limit signs will be installed.</li> </ul>
10. For roadway paving, please enter the number of unpaved access points (e.g. driveways, cross roads) to be paved by the project.	0



# 104th Street - Beginning of Maintenance to McLellan Road

## McLellan Road



Maricopa County Public Works GIS Division September 2012

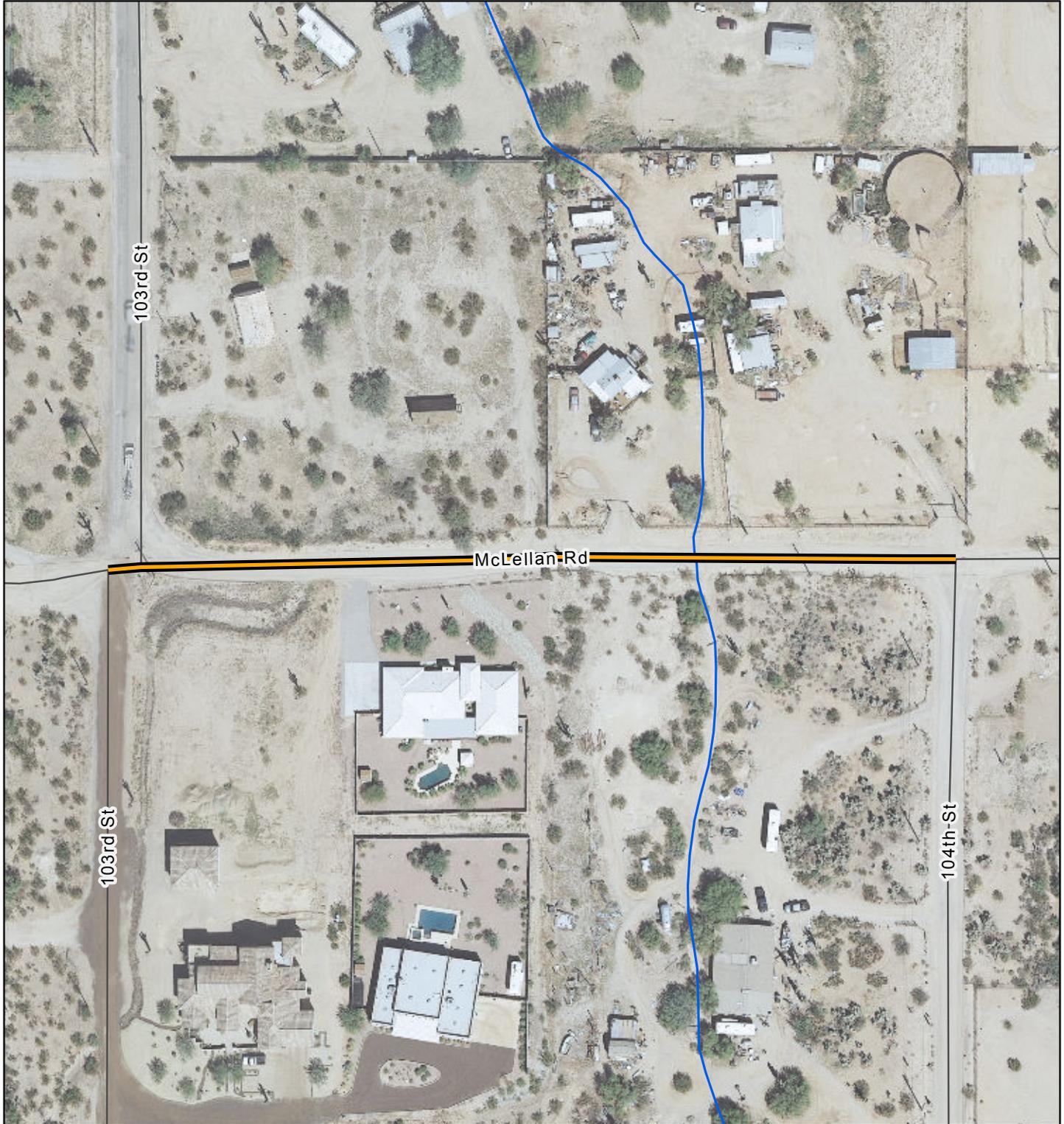
-  Road Segment
-  River





# McLellan Road - 103rd Street to 104th Street

## McLellan Road



Maricopa County Public Works GIS Division September 2012

-  Road Segment
-  River



104th St - BOM to McLellan Rd Photos



Figure 1 - Looking north onto 104th Street at Beginning of Maintenance.

104th St - BOM to McLellan Rd Photos



Figure 2 - Looking north onto 104th Street.

104th St - BOM to McLellan Rd Photos



Figure 3 - Looking southeast at the intersection of 104th Street and McLellan Road.

McLellan Rd - 103rd St to 104th St Photos



Figure 1 - Looking east from the intersection of McLellan Road and 103rd Street.

McLellan Rd - 103rd St to 104th St Photos



Figure 2 - Looking east onto McLellan Road.

McLellan Rd - 103rd St to 104th St Photos

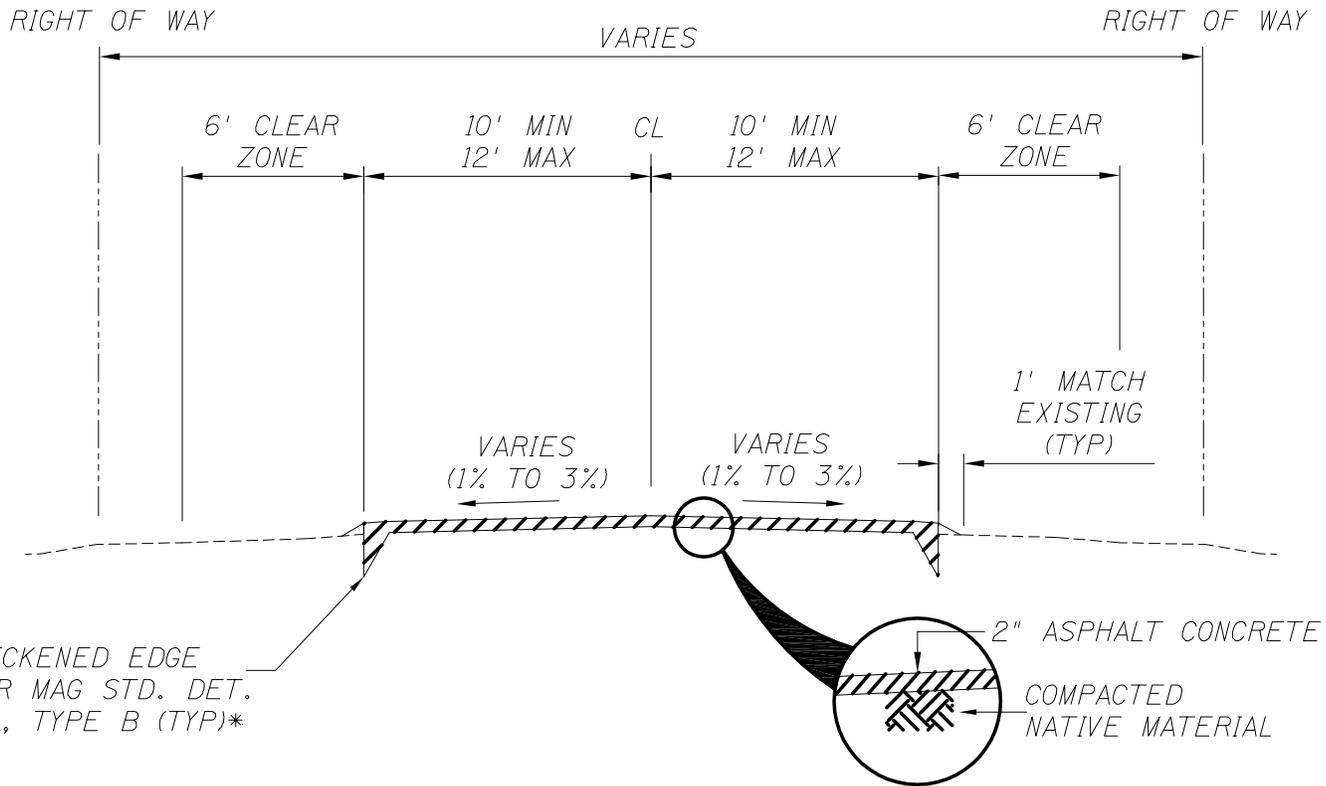


Figure 3 - Looking east onto McLellan, approaching the 104th Street T-intersection.

McLellan Rd - 103rd St to 104th St Photos



Figure 4 - Looking southeast at the T-intersection of McLellan Road and 104th Street.



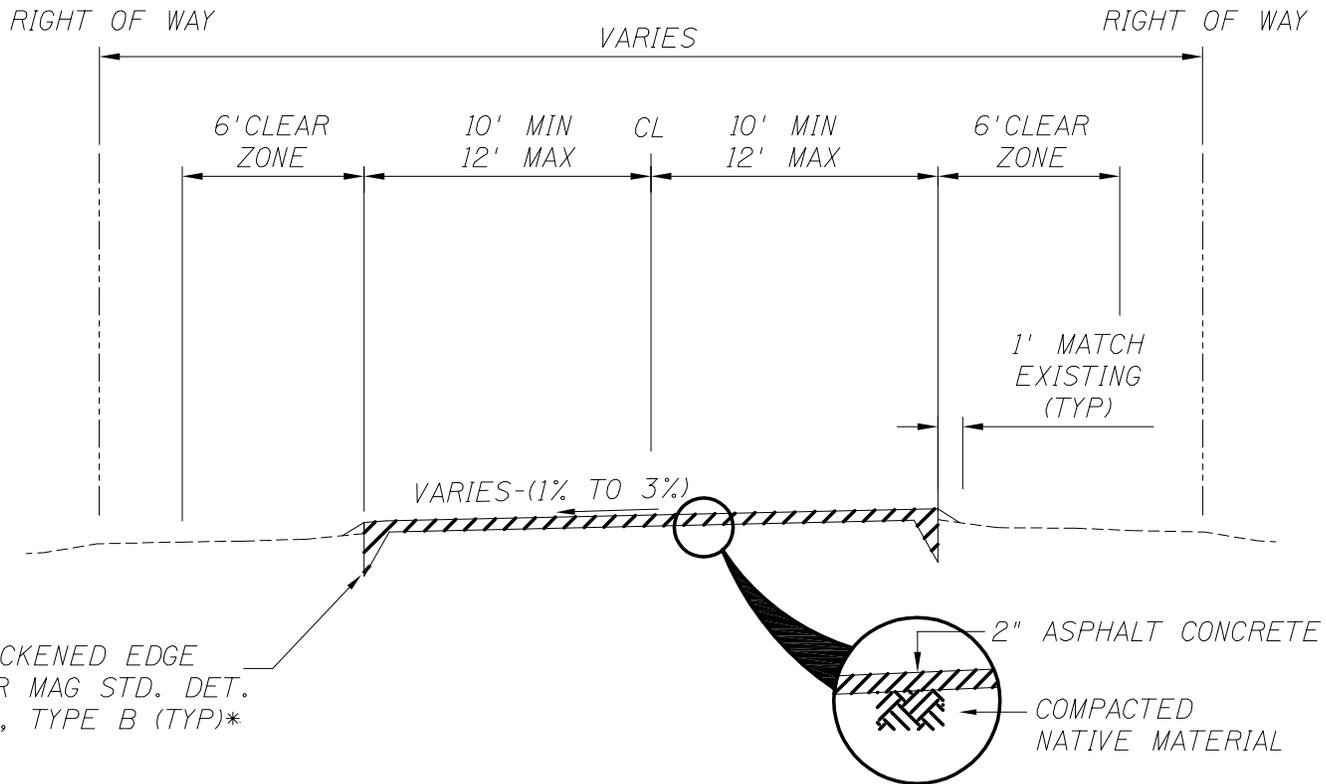
TYPICAL CROSS SECTION-CROWNED

\* UNLESS OTHERWISE DIRECTED BY THE ENGINEER

<b>LOW VOLUME ROAD EXHIBIT</b>	<b>JOB NUMBER 193141.401</b>
	<b>JACOBS CARTER BURGESS</b>

101 N. FIRST AVE., #3100  
PHOENIX, AZ 85003  
TEL: 602.253.1200  
FAX: 602.253.1202

<b>DATE: JAN. 2008</b>
<b>DRAWING:</b>



TYPICAL CROSS SECTION-ONE WAY

\* UNLESS OTHERWISE DIRECTED BY THE ENGINEER

<b>LOW VOLUME ROAD EXHIBIT</b>	<b>JOB NUMBER 193141.401</b>
	<b>JACOBS CARTER BURGESS</b>

101 N. FIRST AVE., #3100  
PHOENIX, AZ 85003  
TEL: 602.253.1200  
FAX: 602.253.1202

<b>DATE: JAN. 2008</b>
<b>DRAWING:</b>