



Chandler + Arizona
Where Values Make The Difference

City of Chandler

2018

Paving Unpaved Road
Project Application

PAVING UNPAVED ROAD PROJECT APPLICATION
CMAQ Funding Available for Federal Fiscal Year 2018, 2019 and 2020
(Due Monday, September 21, 2015 by 10:00 AM)

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 FY2017-2021 MAG Transportation Improvement Program. **Approximately \$4 million per year for paving in PM-10 nonattainment areas and \$639,668 per year for paving in PM-2.5 nonattainment areas is available for programming in FY 2018, FY 2019 and FY2020.**

Part A - Contact and Project Description

Part B1 through B10 - Segment Description and Proposed Improvements; Complete a sheet for each segment in the project

Part C - PM Projects Cost Estimate Worksheet

Part D - Total Project Budget and TIP Programming Including All Segments

Part E - Signature and Checklist

Additional information that may be useful for the applicant are located on the following tabs:

ADOT Review Fees: Details ADOT review fees

Map and Monitor Locations: Shows locations of monitors and areas where Federal funding is available

General Eligibility Requirements for Programming*

Projects requests must comply with the following requirements:

1. Be sponsored by a MAG member agency,
2. Be located in a PM-10 or PM-2.5 nonattainment areas as show on the map on the Monitor Locations tab of this application
3. Pave a public roadway**, alley, shoulder or access point

* Final eligibility for federal funding will be determined by the FHWA and ADOT prior to project authorization and will not include project features that fail to conform to applicable federal requirements.

**A public roadway is a roadway that is owned by a public agency that is passable by a standard passenger vehicle with four wheels and is open year round to the public without undo restrictions.

Funding Availability

All funding available through this application is federal Congestion Mitigation Air Quality (CMAQ) funding. The minimum local match for this funding is 5.7 percent of total project cost. The amount and year in which funding is available for federal obligation* is approximately \$4.0 million per year for federal fiscal years 2018, 2019 and 2020.

* Obligation refers to a federal commitment to reimburse a project sponsors for expenses accrued in the development of a project. These expenses must meet federal requirements for eligibility and will occur after the date of obligation until the project is either completed or the federal funding is used up.

Application Layout

The applications is divided into four work sheets as follows:

- Part A - Contact and Project Description
- Part B1 through B10 - Segment Description and Proposed Improvements. Complete a sheet for each segment in the project
- Part C - PM Projects Cost Estimate Worksheet
- Part D - Total Project Budget and TIP Programming Including All Segments
- Part E - Signature and Checklist

Additional information that may be useful for the applicant are located on the following tabs:

- ADOT Review Fees: Details ADOT review fees

- Map and Monitor Locations: Shows locations of monitors and areas where Federal funding is available

PAVING UNPAVED ROAD PROJECT APPLICATION
CMAQ Funding Available for Federal Fiscal Year 2018, 2019 and 2020
(Due Monday, September 21, 2015 by 10:00 AM)

Transmittal Instructions and Application Deadline

Application Submittal Requirements

All applications are due on **Monday, September 21, 2015 by 10:00 a.m.** Both an electronic and printed copy of the application and all attachments are required.

The electronic copy of the application includes the following:

- a. A completed Excel spreadsheet application in MS Excel format (Please do not send a PDF or Fax instead of the spreadsheet)
- b. A PDF or FAXed copy of PartE of the Excel spreadsheet with the signature block signed and dated
- c. A PDF or FAXed copy of all required attachments

The printed copy of the application includes the following:

- a. A printout of the completed Excel spreadsheet application, with the signature block in PartE signed and dated
- b. Printed copies of all required attachments

MAG Mailing address

Electronic applications should be sent to the following address:

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

Printed copies should be addressed as follows:

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

If a complete, signed electronic copy is received by the submittal deadline, applicants have five working days to submit a printed copy of the application.

Application Workshops and Open Working Group Meeting Schedule*

Date	Time	Room	Event
Wednesday August 19, 2015	10:00-11:30 AM	Saguaro	Workshop on MAG Transportation Programming and Federal Fund Project Applications
Monday, August 24, 2015	8:30-10:00 AM	Chaparral	Open Working Group - Federal Fund Project Applications
Monday, September 14, 2015	9:00-10:00 AM	Chaparral	Open Working Group - Federal Fund Project Applications

* All meetings will be held on the 2nd floor of the MAG Offices at 302 N. 1st Avenue, Phoenix, AZ 85003

MAG CONTACT INFORMATION

Contact Name	Phone	E-Mail Address
MAG Offices	602-254-6300	
Dean Giles	602-254-6300	DGiles@azmag.gov
Teri Kennedy	602-254-6300	TKennedy@azmag.gov
Stephen Tate	602-452-5010	STate@azmag.gov

Chandler - Alleyway PM-10 Stabilization
PART A - CONTACT AND PROJECT DESCRIPTION
(All Items are Required, Unless Identified as 'Optional')

Contact Information

1. Agency Name	Chandler
2. Name:	Rex Hartmann
3. Phone:	480-782-3493
4. E-Mail:	rex.hartmann@chandleraz.gov
5. Mailing Address:	Mail Stop 909
	P.O. Box 4008
	Chandler, AZ 85244-4008

Project Description

6. Please provide the Project Title.	Alleyway PM-10 Stabilization
7. Please provide a general description of the project.	This project mitigates dust emissions by replacing the top 4" to 6" of dirt and gravel and older aggregate base course with crushed asphalt milling materials. The asphalt millings are from milled roadway surface that will normally be discarded as waste. This project will recycle the asphalt millings into the alleyways to create a more dust free driving surface on 11.8 miles of alleys. The alleys are used by homeowners, utility companies, and garbage trucks to access backyards, utility boxes, and garbage cans on a daily basis. This project will improve the alleyway surface, improve the air quality and recycle material that would have been discarded from other street resurfacing projects.
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
9. Please enter the number of segments to be included in the project (See definition of segments below).	4
10. Please review the PM-10 Monitor Locations to verify that the proposed project is in the nonattainment area. Enter 'Yes' or 'No'. Link to PM-10 Monitor Locations Map	Yes

Site Visit Information

Chandler - Alleyway PM-10 Stabilization
PART A - CONTACT AND PROJECT DESCRIPTION
(All Items are Required, Unless Identified as 'Optional')

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	Luis Gamez and Tim Wakefield
b. Date site visit completed	8/25/2015
c. Pictures of the site visit are required.	Please attach pictures with transmittal

Chandler - Alleyway PM-10 Stabilization
PART A - CONTACT AND PROJECT DESCRIPTION
(All Items are Required, Unless Identified as 'Optional')

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.**

(OPTIONAL)

If the applicant will be providing a GIS coverage (shapefile or geodatabase), please see the tab labeled "GIS Transmittal Instructions)

[GIS Submittal Instructions](#)

PM-10 Paving Application from Chandler for 'Alleyway PM-10 Stabilization'

Chandler - Alleyway PM-10 Stabilization
PART B1 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')

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.

Segment Description	Segment 1
1. Segment Location - Include segment beginning and ending limits	See attachment 2, FMA 16
2. Length and Curb Miles	
a. Length (Miles) of the segment	1.4
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).	N/A
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.	Please attach map with transmittal
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 monitor?	Yes, Monitor #13, 3.5 miles
Link to PM1- Monitors Map on the MAG Website	
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 alleyway surface is a mixture of dirt and gravel which have built-up over the years. Rain storm events makes the alleys difficult and unsafe to drive due to the surface becoming muddy and slippery.
7. Please describe traffic on the segment (e.g. weekday percent truck, etc.).	The alleyways are used by homeowners, utility companies, and garbage trucks to access backyards, utility boxes, and garbage cans on a daily basis.
8. Current Average Traffic (ADT)	50
9. Please describe methodology used to calculate ADT	Estimate is based on known maintenance, utility, solid waste, and residential access.

Chandler - Alleyway PM-10 Stabilization
PART B1 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')

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.

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.

None

Chandler - Alleyway PM-10 Stabilization
PART B1 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')

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.

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

No

Condemnation may be required

No

12. Please describe any right of way issues associated with the segment.

None

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

Canals & Drainage

No

Power Lines & Cables

Yes

Pipelines, Sewer and Water

Yes

Private Structures

No

Other (Describe)

N/A

None

No

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

None. Only utility adjustments are needed to bring utilities to finished grade.

Chandler - Alleyway PM-10 Stabilization
PART B1 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')

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 2 - Proposed Improvements	Segment 1
1. What is the type of paving project? (Choose all that Apply and Select Yes or No)	
Rural Road	No
Urban Road	No
Subdivision Street	No
Alley	Yes
Shoulders	No
Other (Describe)	N/A
2. Please describe the work to be performed on the segment:	Remove top 4" to 6" of dirt and gravel and replace with the same amount of crushed asphalt millings to reduce dust emissions.
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.	None
5. (Optional for shoulder and alley paving, required for road paving) Please describe horizontal alignment changes.	None
6. (Optional for shoulder and alley paving, required for road paving) Design speed of the after construction segment.	N/A
7. Please describe the type of paving for the segment.	Paving is 4" to 6" of crushed asphalt millings placed with a paving laydown machine, rolled for copaction and fog sealed with ss-1h emulsion.
8. Non paving improvements to be included: (Choose All that Apply and Select Yes or No)	
Sidewalks	No
PM-10 Paving Application from Chandler for 'Alleyway PM-10 Stabilization'	



2017 / 2018 ALLEY PM/10 REHAB SEGMENT 1



- ◆ 2017/2018 SURVEY MONUMENT
- ◆ 2017/2018 BRASS CAP
- 2017/2018 WATER VALVE
- ▲ 2017/2018 SEWER CLEANOUT
- ✦ 2017/2018 SEWER MANHOLE
- 2017/2018 STORM DRAIN
- ▬ 2017/2018, ALLEY PM10 REHAB
- SCHOOL SITE

NOTE:
THE CITY OF CHANDLER IS NOT RESPONSIBLE
FOR EXACT UTILITY REPRESENTATION
OR LOCATIONS PROVIDED ON THESE MAPS.

FMA PAGE 16	
FEATURE	COUNT
SURVEY MONUMENT	0
BRASS CAP	0
SEWER MANHOLE	19
SEWER CLEANOUT	3
STORM DRAIN	0
WATER VALVES	9

FY 2017/2018 PM-10 Paving Unpaved Road Project Application

City of Chandler- Typical Alley Surface Segment One



Chandler - Alleyway PM-10 Stabilization
PART B2 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')

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.

Segment Description	Segment 2
1. Segment Location - Include segment beginning and ending limits	See attachment 4, FMA 25
2. Length and Curb Miles	
a. Length (Miles) of the segment	5.2
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).	N/A
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.	Please attach map with transmittal
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 withing 4 miles of a PM-10 monitor? Which monitor?	Yes, Monitor #13, 2.5 miles
Link to PM1- Monitors Map on the MAG Website	
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 suppresants?	The alleyway surface is a mixture of dirt and gravel which have built-up over the years. Rain storm events makes the alleys difficult and unsafe to drive due to the surface becoming muddy and slippery.
7. Please describe traffic on the segment (e.g weekday percent truck, etc.).	The alleyways are used by homeowners, utility companies, and garbage trucks to access backyards, utility boxes, and garbage cans on a daily basis.
8. Current Average Traffic (ADT)	50
9. Please describe methodology used to calculate ADT	Estimate is based on known maintenance, utility, solid waste, and residential access.

Chandler - Alleyway PM-10 Stabilization
PART B2 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')

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.

<p>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.</p>	<p>None</p>
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Chandler - Alleyway PM-10 Stabilization
PART B2 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')

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.

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

No

Condemnation may be required

No

12. Please describe any right of way issues associated with the segment.

None

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

Canals & Drainage

No

Power Lines & Cables

Yes

Pipelines, Sewer and Water

Yes

Private Structures

No

Other (Describe)

N/A

None

No

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

None. Only utility adjustments are needed to bring utilities to finished grade.

Chandler - Alleyway PM-10 Stabilization
PART B2 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')

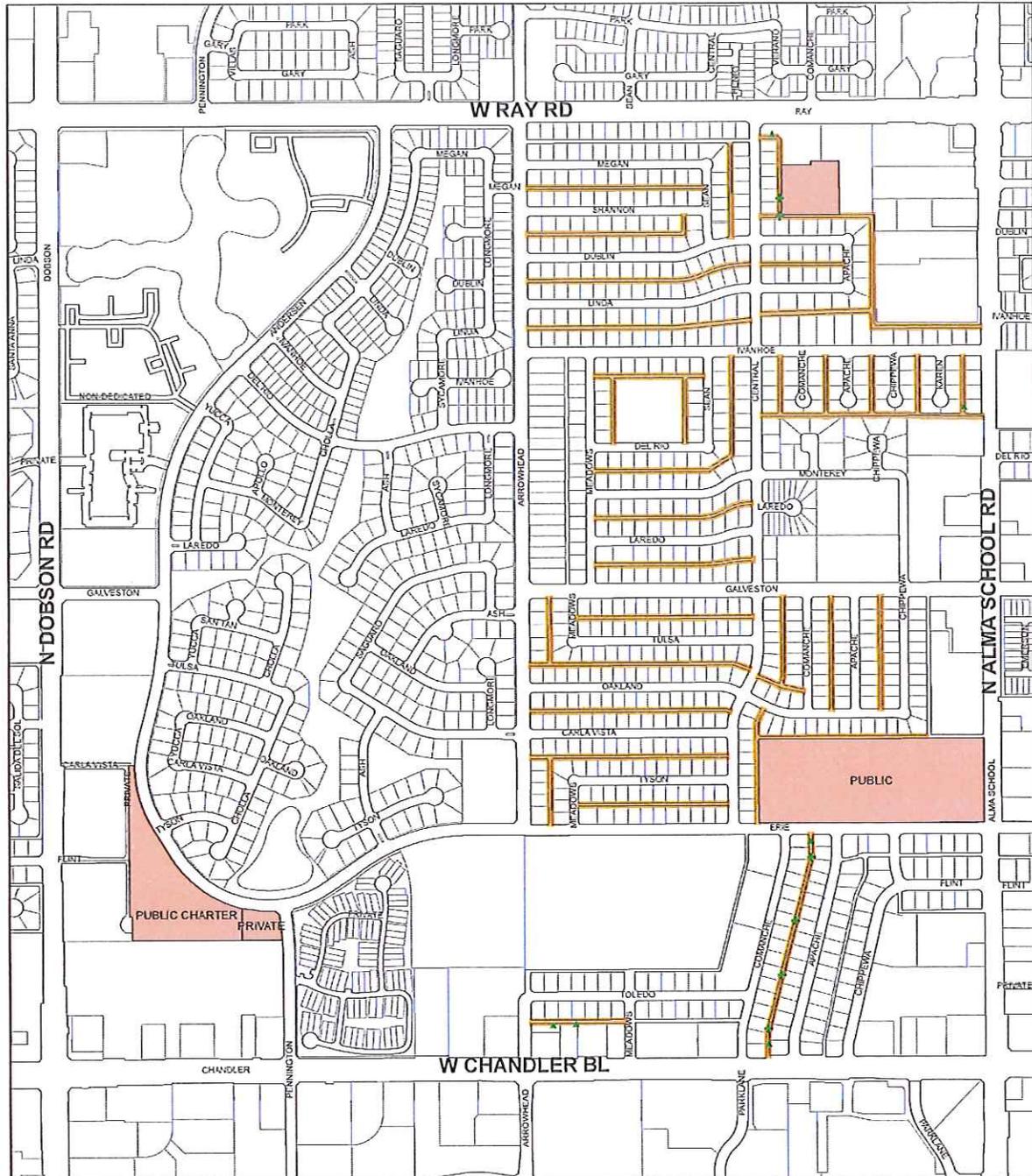
This part of the form identifies the current characteristics and proposed improvements for each segment of the project. A separate Part B must be completed for each segment. e.g. If in field #9 of Part A, it was indicated that 5 segments were included in the project, 5 Part B's must be completed in the application. The additional Part Bs are separate tabs in this excel file noted as: Part_B2, Part_B3, etc.

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Section 2 - Proposed Improvements	Segment 2
1. What is the type of paving project? (Choose all that Apply and Select Yes or No)	
Rural Road	No
Urban Road	No
Subdivision Street	No
Alley	Yes
Shoulders	No
Other (Describe)	N/A
2. Please describe the work to be performed on the segment:	Remove top 4" to 6" of dirt and gravel and replace with the same amount of crushed asphalt millings to reduce dust emissions.
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.	None
5. (Optional for shoulder and alley paving, required for road paving) Please describe horizontal alignment changes.	None
6. (Optional for shoulder and alley paving, required for road paving) Design speed of the after construction segment.	N/A
7. Please describe the type of paving for the segment.	Paving is 4" to 6" of crushed asphalt millings placed with a paving laydown machine, rolled for copaction and fog sealed with ss-1h emulsion.
8. Non paving improvements to be included: (Choose All that Apply and Select Yes or No)	
Sidewalks	No
PM-10 Paving Application from Chandler for 'Alleyway PM-10 Stabilization'	



2017 / 2018 ALLEY PM/10 REHAB SEGMENT 2



- ◆ 2017/2018 SURVEY MONUMENT
- ◆ 2017/2018 BRASS CAP
- 2017/2018 WATER VALVE
- ▲ 2017/2018 SEWER CLEANOUT
- ✦ 2017/2018 SEWER MANHOLE
- 2017/2018 STORM DRAIN
- 2017/2018, ALLEY PM10 REHAB
- SCHOOL SITE

NOTE:
THE CITY OF CHANDLER IS NOT RESPONSIBLE
FOR EXACT UTILITY REPRESENTATION
OR LOCATIONS PROVIDED ON THESE MAPS.

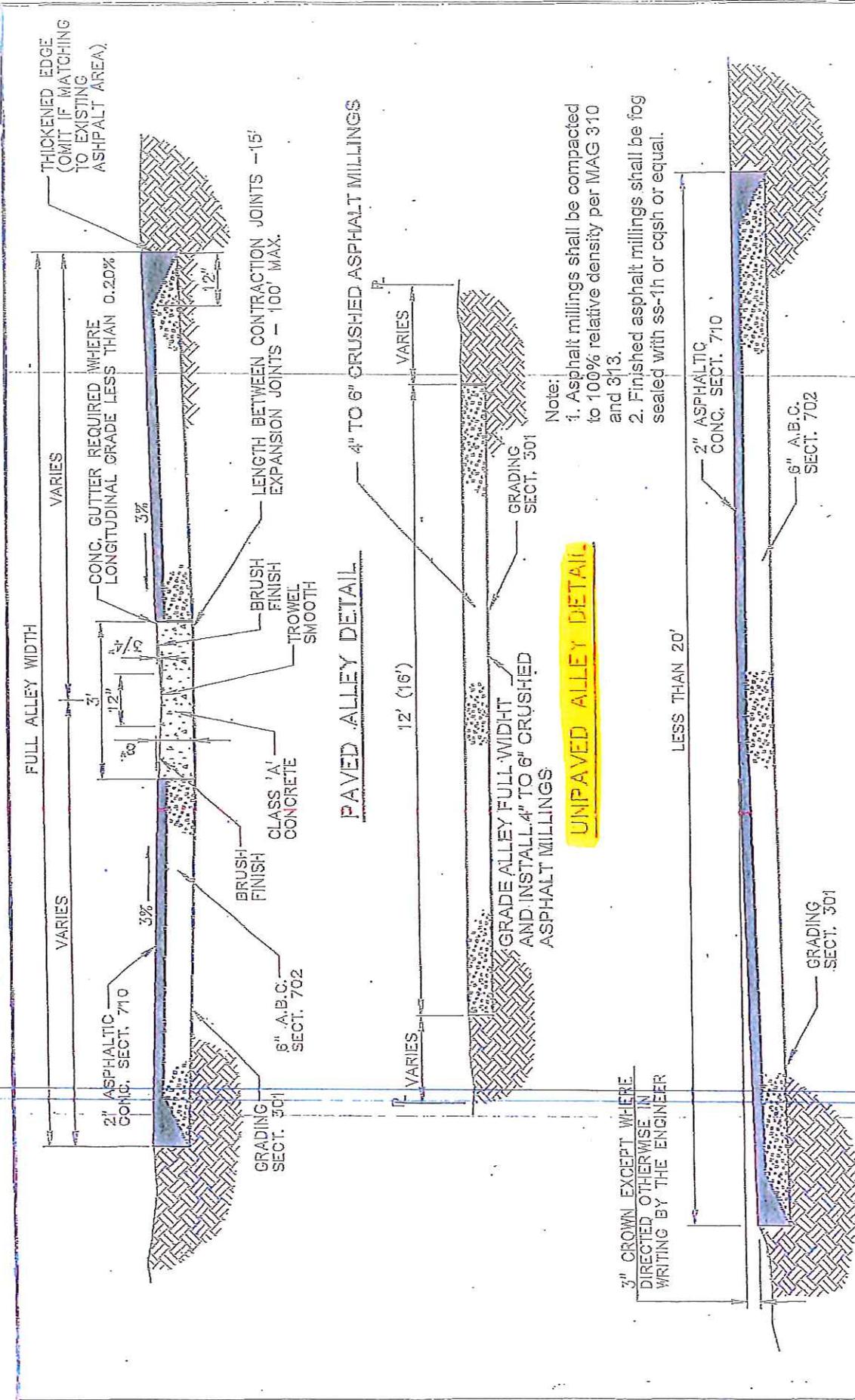
FMA PAGE 25	
FEATURE	COUNT
SURVEY MONUMENT	0
BRASS CAP	0
SEWER MANHOLE	6
SEWER CLEANOUT	6
STORM DRAIN	0
WATER VALVES	0

FY 2017/2018 PM-10 Paving Unpaved Road Project Application

City of Chandler- Typical Alley Surface Segment Two



Typical Unpaved Alley Cross Section



Attachment 4	REVISED	DETAIL NO.
ALLEY DETAILS (PAVED AND UNPAVED)		
Attachment 4	REVISED	DETAIL NO.

Chandler - Alleyway PM-10 Stabilization
PART B3 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')

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.

Segment Description	Segment 3
1. Segment Location - Include segment beginning and ending limits	See attachment 6, FMA 39
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).	N/A
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.	Please attach map with transmittal
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 withing 4 miles of a PM-10 monitor? Which monitor?	Yes, Monitor #13, 3.5 miles
Link to PM1- Monitors Map on the MAG Website	
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 alleyway surface is a mixture of dirt and gravel which have built-up over the years. Rain storm events makes the alleys difficult and unsafe to drive due to the surface becoming muddy and slippery.
7. Please describe traffic on the segment (e.g weekday percent truck, etc.).	The alleyways are used by homeowners, utility companies, and garbage trucks to access backyards, utility boxes, and garbage cans on a daily basis.
8. Current Average Traffic (ADT)	50
9. Please describe methodology used to calculate ADT	Estimate is based on known maintenance, utility, solid waste, and residential access.

Chandler - Alleyway PM-10 Stabilization
PART B3 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')

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.

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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.

None

Chandler - Alleyway PM-10 Stabilization
PART B3 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')

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.

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

No

Condemnation may be required

No

12. Please describe any right of way issues associated with the segment.

None

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

Canals & Drainage

No

Power Lines & Cables

Yes

Pipelines, Sewer and Water

Yes

Private Structures

No

Other (Describe)

N/A

None

No

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

None. Only utility adjustments are needed to bring utilities to finished grade.

Chandler - Alleyway PM-10 Stabilization
PART B3 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')

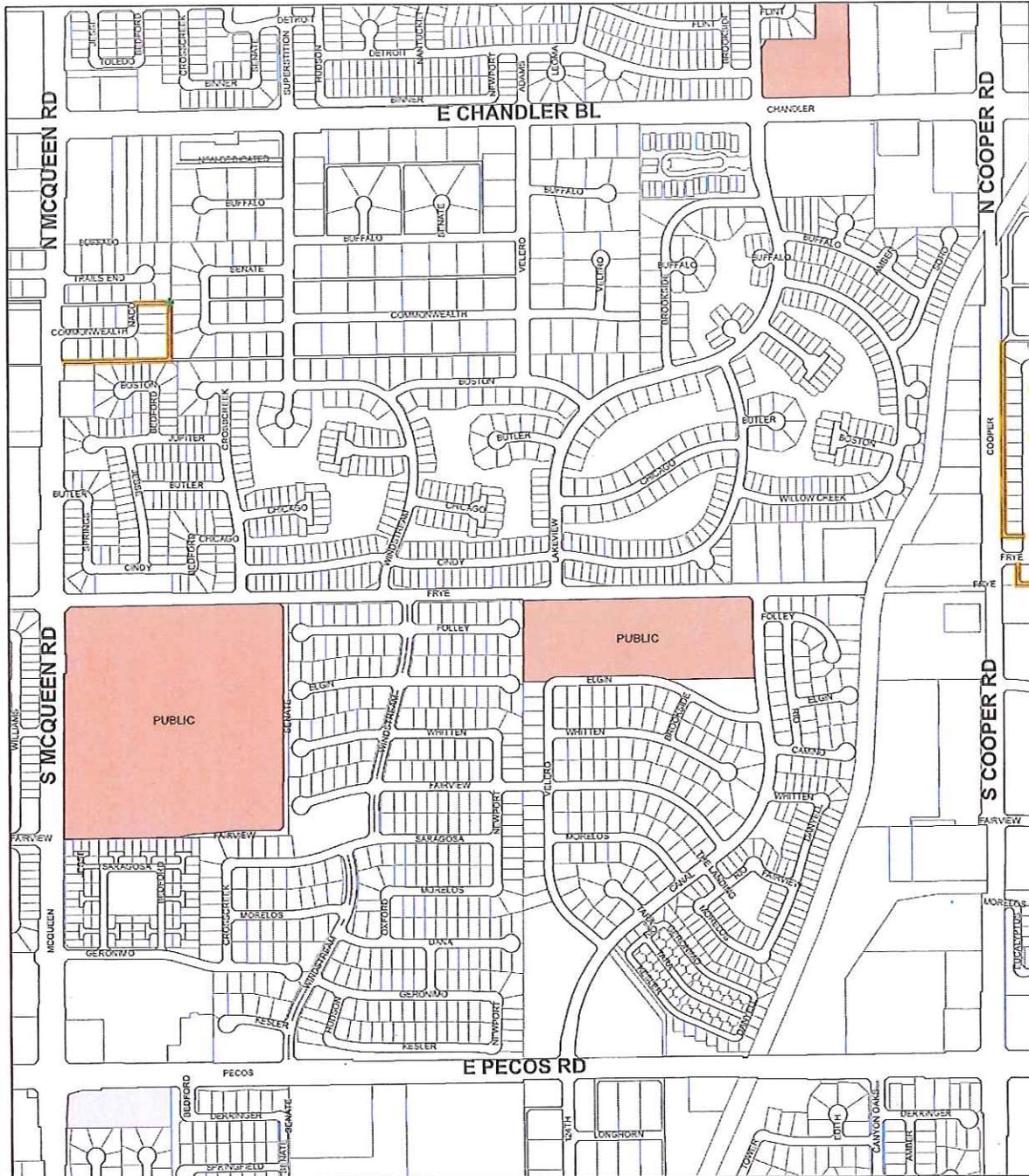
This part of the form identifies the current characteristics and proposed improvements for each segment of the project. A separate Part B must be completed for each segment. e.g. If in field #9 of Part A, it was indicated that 5 segments were included in the project, 5 Part B's must be completed in the 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 2 - Proposed Improvements	Segment 3
1. What is the type of paving project? (Choose all that Apply and Select Yes or No)	
Rural Road	No
Urban Road	No
Subdivision Street	No
Alley	Yes
Shoulders	No
Other (Describe)	N/A
2. Please describe the work to be performed on the segment:	Remove top 4" to 6" of dirt and gravel and replace with the same amount of crushed asphalt millings to reduce dust emissions.
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.	None
5. (Optional for shoulder and alley paving, required for road paving) Please describe horizontal alignment changes.	None
6. (Optional for shoulder and alley paving, required for road paving) Design speed of the after construction segment.	N/A
7. Please describe the type of paving for the segment.	Paving is 4" to 6" of crushed asphalt millings placed with a paving laydown machine, rolled for copaction and fog sealed with ss-1h emulsion.
8. Non paving improvements to be included: (Choose All that Apply and Select Yes or No)	
Sidewalks	No
PM-10 Paving Application from Chandler for 'Alleyway PM-10 Stabilization'	



2017 / 2018 ALLEY PM/10 REHAB SEGMENT 3



- ◆ 2017/2018 SURVEY MONUMENT
- ◆ 2017/2018 BRASS CAP
- 2017/2018 WATER VALVE
- ▲ 2017/2018 SEWER CLEANOUT
- ✦ 2017/2018 SEWER MANHOLE
- 2017/2018 STORM DRAIN
- 2017/2018, ALLEY PM10 REHAB
- SCHOOL SITE

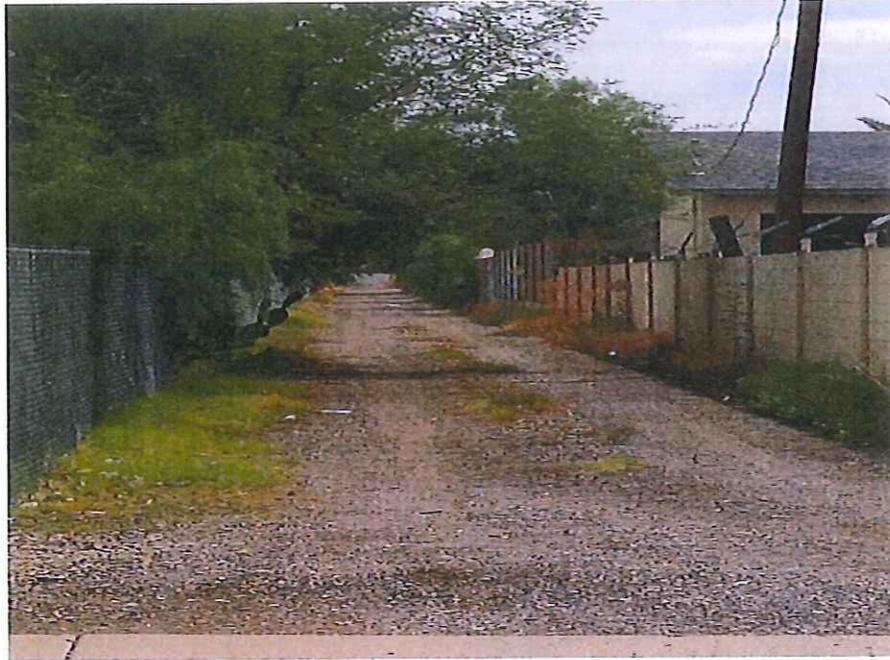
NOTE:
THE CITY OF CHANDLER IS NOT RESPONSIBLE
FOR EXACT UTILITY REPRESENTATION
OR LOCATIONS PROVIDED ON THESE MAPS.

FMA PAGE 39	
FEATURE	COUNT
SURVEY MONUMENT	0
BRASS CAP	0
SEWER MANHOLE	1
SEWER CLEANOUT	0
STORM DRAIN	0
WATER VALVES	0

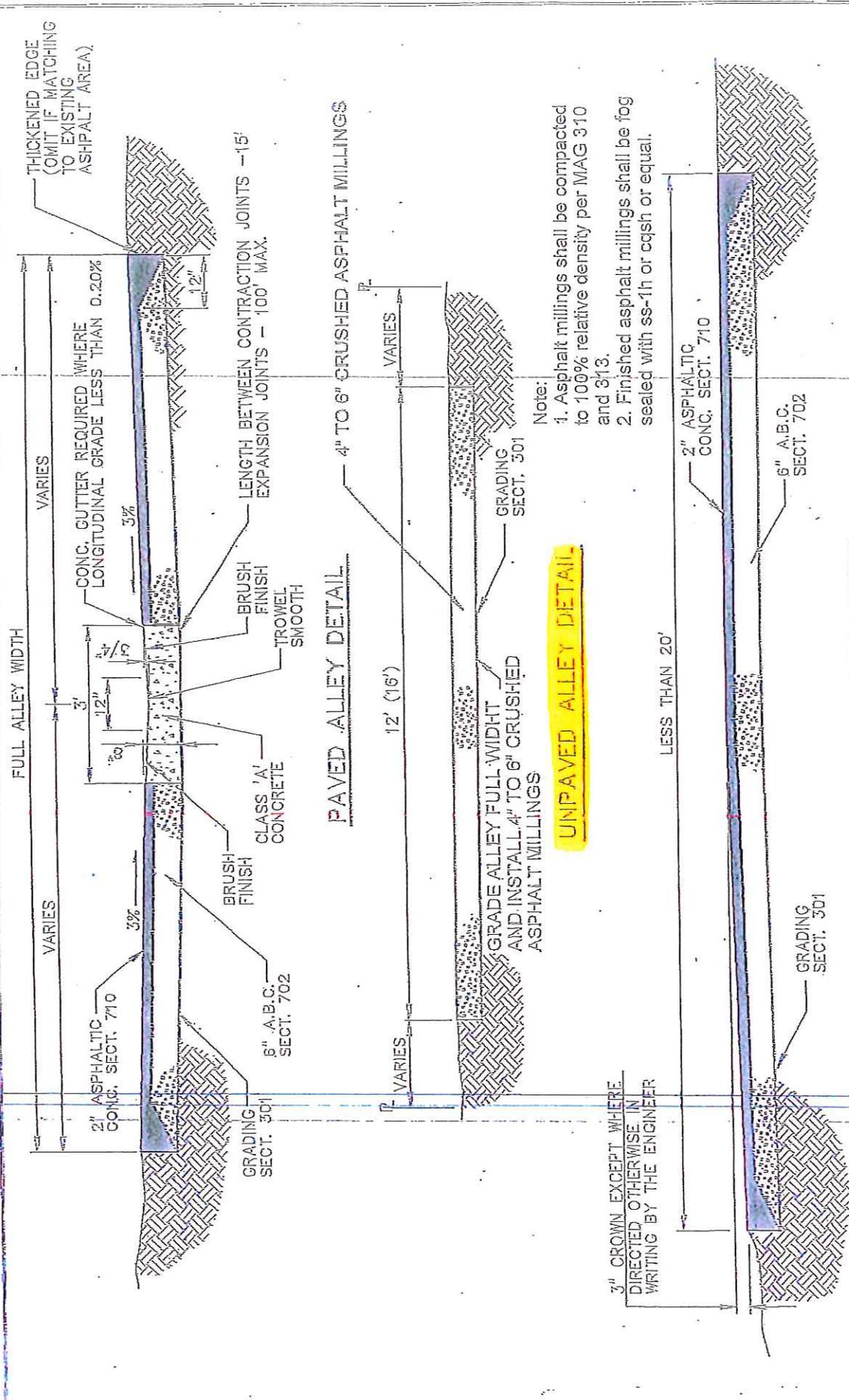
FMA Page 39

FY 2017/2018 PM-10 Paving Unpaved Road Project Application

City of Chandler- Typical Alley Surface Segment Three



Typical Unpaved Alley Cross Section



Note:
 1. Asphalt millings shall be compacted to 100% relative density per MAG 310 and 313.
 2. Finished asphalt millings shall be fog sealed with ss-1h or cqsh or equal.

RESIDENTIAL ALLEY DETAIL

Attachment 4	REVISION	DETAIL NO.
ALLEY DETAILS (PAVED AND UNPAVED)		

Chandler - Alleyway PM-10 Stabilization
PART B4 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')

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.

Segment Description	Segment 4
1. Segment Location - Include segment beginning and ending limits	See attachment 8, FMA 40
2. Length and Curb Miles a. Length (Miles) of the segment 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).	5
	N/A
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.	Please attach map with transmittal
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 withing 4 miles of a PM-10 monitor? Which monitor?	Yes, Monitor #13, 4.5 miles
Link to PM1- Monitors Map on the MAG Website	
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 alleyway surface is a mixture of dirt and gravel which have built-up over the years. Rain storm events makes the alleys difficult and unsafe to drive due to the surface becoming muddy and slippery.
7. Please describe traffic on the segment (e.g weekday percent truck, etc.).	The alleyways are used by homeowners, utility companies, and garbage trucks to access backyards, utility boxes, and garbage cans on a daily basis.
8. Current Average Traffic (ADT)	50
9. Please describe methodology used to calculate ADT	Estimate is based on known maintenance, utility, solid waste, and residential access.

Chandler - Alleyway PM-10 Stabilization
PART B4 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')

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.

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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.

None

Chandler - Alleyway PM-10 Stabilization
PART B4 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')

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.

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	No
Condemnation may be required	No

12. Please describe any right of way issues associated with the segment.

None

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

Canals & Drainage	No
Power Lines & Cables	Yes
Pipelines, Sewer and Water	Yes
Private Structures	No
Other (Describe)	N/A
None	No

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

None. Only utility adjustments are needed to bring utilities to finished grade.

Chandler - Alleyway PM-10 Stabilization
PART B4 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
 (All Items are Required, Unless Identified as 'Optional')

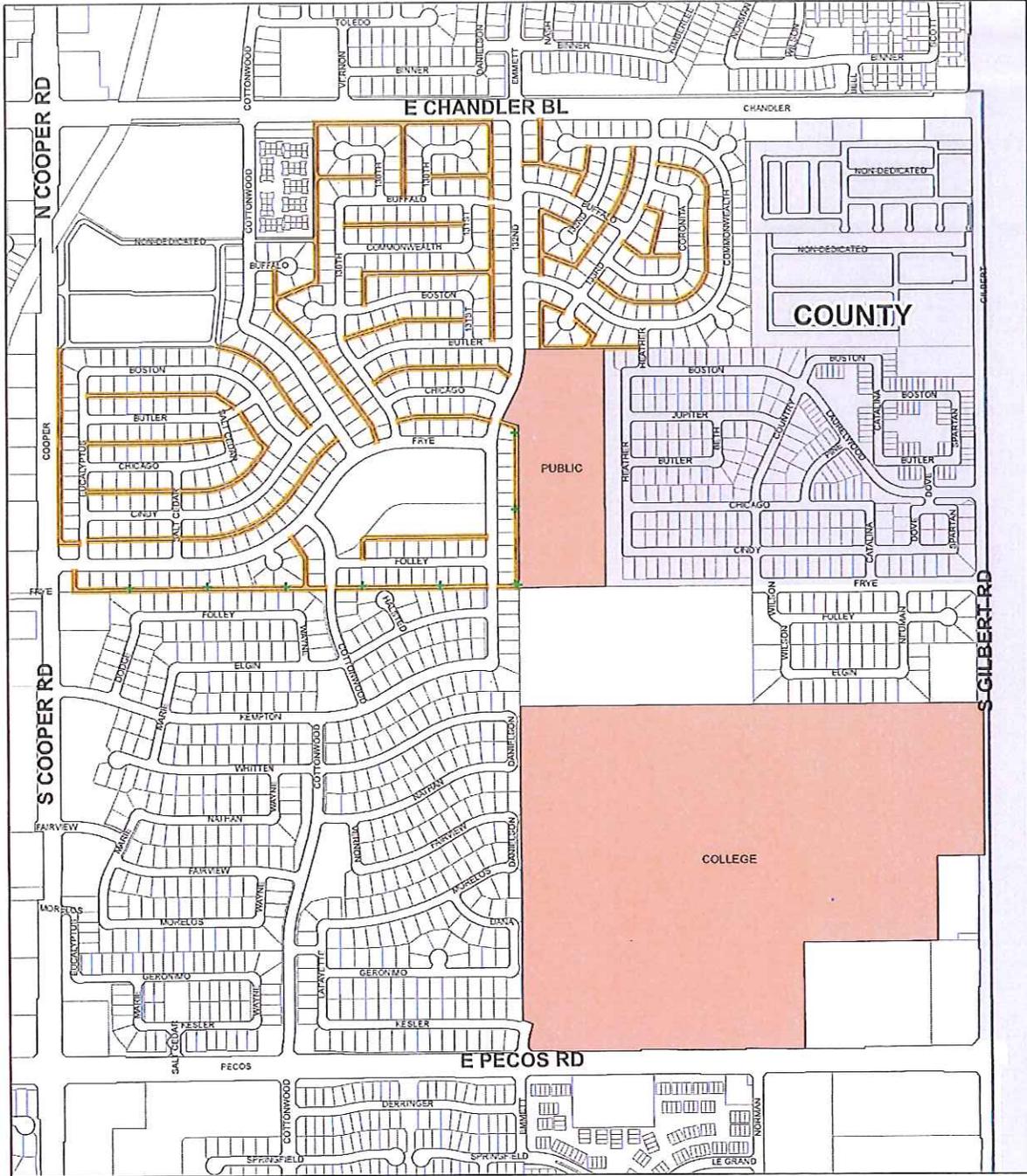
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The purpose of Part B is to provide sufficient information to evaluate the cost estimate for the project and to provide assurance that the project will be capable of meeting the ADOT administered federal design review and clearance process. This process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

Section 2 - Proposed Improvements	Segment 4
1. What is the type of paving project? (Choose all that Apply and Select Yes or No)	
Rural Road	No
Urban Road	No
Subdivision Street	No
Alley	Yes
Shoulders	No
Other (Describe)	N/A
2. Please describe the work to be performed on the segment:	Remove top 4" to 6" of dirt and gravel and replace with the same amount of crushed asphalt millings to reduce dust emissions.
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.	None
5. (Optional for shoulder and alley paving, required for road paving) Please describe horizontal alignment changes.	None
6. (Optional for shoulder and alley paving, required for road paving) Design speed of the after construction segment.	N/A
7. Please describe the type of paving for the segment.	Paving is 4" to 6" of crushed asphalt millings placed with a paving laydown machine, rolled for copaction and fog sealed with ss-1h emulsion.
8. Non paving improvements to be included: (Choose All that Apply and Select Yes or No)	
Sidewalks	No
PM-10 Paving Application from Chandler for 'Alleyway PM-10 Stabilization'	



2017 / 2018 ALLEY PM/10 REHAB SEGMENT 4



- 2017/2018 SURVEY MONUMENT
- 2017/2018 BRASS CAP
- 2017/2018 WATER VALVE
- 2017/2018 SEWER CLEANOUT
- 2017/2018 SEWER MANHOLE
- 2017/2018 STORM DRAIN
- 2017/2018, ALLEY PM10 REHAB
- SCHOOL SITE

NOTE:
THE CITY OF CHANDLER IS NOT RESPONSIBLE FOR EXACT UTILITY REPRESENTATION OR LOCATIONS PROVIDED ON THESE MAPS.

FMA PAGE 40	
FEATURE	COUNT
SURVEY MONUMENT	0
BRASS CAP	0
SEWER MANHOLE	9
SEWER CLEANOUT	0
STORM DRAIN	0
WATER VALVES	0

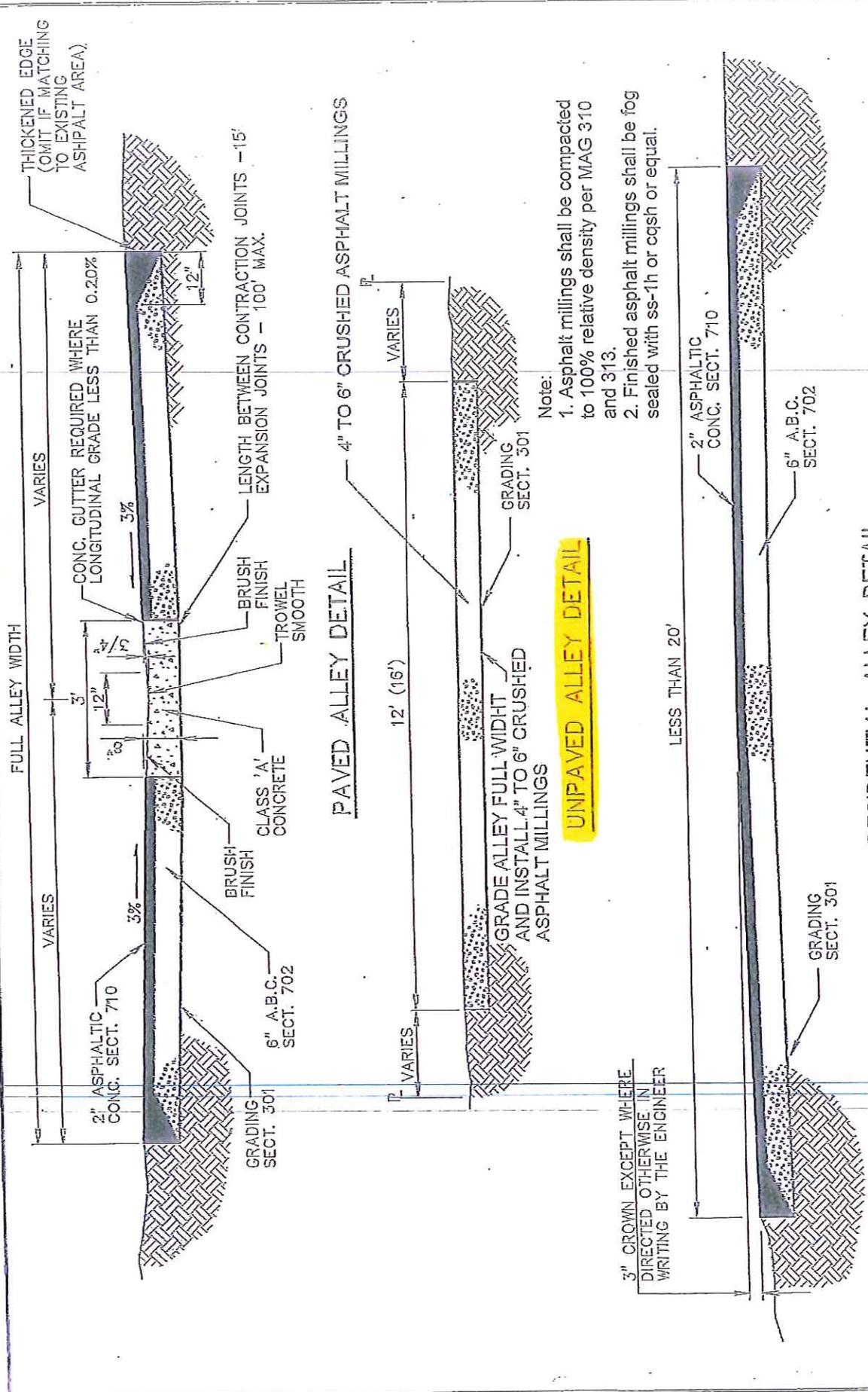
FMA Page 40

FY 2017/2018 PM-10 Paving Unpaved Road Project Application

City of Chandler- Typical Alley Surface Segment Four



Typical Unpaved Alley Cross Section



RESIDENTIAL ALLEY DETAIL

DETAIL NO.	Attachment 4	REVISION	DETAIL NO.
			ALLEY DETAILS (PAVED AND UNPAVED)

**Chandler - Alleyway PM-10 Stabilization
PM-10 PAVING PROJECTS COST ESTIMATE WORKSHEET
(All Items are Required, Unless Identified as 'Optional')**

	ITEM DESCRIPTION	UNIT	TOTAL QUAN.	UNIT PRICE	TOTAL COST	Eligible for Federal Funds: Yes or No	FEDERAL SHARE	LOCAL SHARE
PRELIMINARY ENGINEERING	Topographic Survey	LS	1		\$ -	No	\$ -	\$ -
	Design Concept Report (DCR)	LS	1		\$ -	No	\$ -	\$ -
	Federal Project Environmental Determination	LS	1		\$ -	No	\$ -	\$ -
	HAZMAT Assessment	LS	1		\$ -	No	\$ -	\$ -
	SUBTOTAL - PRELIMINARY ENGINEERING COSTS					\$ -		\$ -
FINAL DESIGN - Stages II, III, IV and PS&E	Plans, Specifications, Cost Estimates, Bidding	LS	1		\$ -	No	\$ -	\$ -
	Geotechnical Report	LS	1		\$ -	No	\$ -	\$ -
	Drainage Report	LS	1		\$ -	No	\$ -	\$ -
	SWPPP	LS	1		\$ -	No	\$ -	\$ -
	SUBTOTAL - FINAL DESIGN COSTS					\$ -		\$ -
RIGHT OF WAY ACQUISITION	Appraisals and Title Reports	LS	1		\$ -	No	\$ -	\$ -
	Road Right of Way	LS	1		\$ -	No	\$ -	\$ -
	Temporary Construction Easements	LS	1		\$ -	No	\$ -	\$ -
	Drainage Easement	LS	1		\$ -	No	\$ -	\$ -
	Utility Easements/Right of Way	LS	1		\$ -	No	\$ -	\$ -
	Aerial Electrical Easement	LS	1		\$ -	No	\$ -	\$ -
	Sign Relocations	LS	1		\$ -	No	\$ -	\$ -
	Relocation Expenses	LS	1		\$ -	No	\$ -	\$ -
	Site Environmental Assessments	EA	1		\$ -	No	\$ -	\$ -
	Building Demolition	EA	1		\$ -	No	\$ -	\$ -
	Other Right of Way Expenses		1		\$ -	No	\$ -	\$ -
	Other Right of Way Expenses		1		\$ -	No	\$ -	\$ -
	Other Right of Way Expenses		1		\$ -	No	\$ -	\$ -
	SUBTOTAL - RIGHT OF WAY COSTS					\$ -		\$ -
UTILITY RELOCATIONS	Relocate 69 kv (+) Poles	EA	1		\$ -	No	\$ -	\$ -
	Relocate/Underground 12 kv lines	LF	1		\$ -	No	\$ -	\$ -
	Relocate/Underground Irrigation Canal	LF	1		\$ -	No	\$ -	\$ -
	SWG Relocations	LS	1		\$ -	No	\$ -	\$ -
	Telephone/Cable TV Relocations	LS	1		\$ -	No	\$ -	\$ -
	Upgrade Railroad Crossings	LS	1		\$ -	No	\$ -	\$ -
	Other Utilities	LS	1		\$ -	No	\$ -	\$ -
	Other Utilities	LS	1		\$ -	No	\$ -	\$ -
	SUBTOTAL - UTILITY RELOCATION COSTS					\$ -		\$ -
CONSTRUCTION	Contractor Mobilization	LS	1		\$ -	Yes	\$ -	\$ -
	HAZMAT Abatement	LS	1		\$ -	Yes	\$ -	\$ -
	Construction Survey and Layout	LS	1		\$ -	Yes	\$ -	\$ -
	Temporary Traffic Control	LS	1	\$ 54,000.00	\$ 54,000.00	Yes	\$ 50,922.00	\$ 3,078.00
	Remove Existing Improvements	LS	1		\$ -	Yes	\$ -	\$ -
	Remove Curb and Gutter	LF	1		\$ -	Yes	\$ -	\$ -
	Remove Pavement	SY	1		\$ -	Yes	\$ -	\$ -
	Remove Driveway	SF	1		\$ -	Yes	\$ -	\$ -
	Remove Concrete Sidewalks, Slabs	SF	1		\$ -	Yes	\$ -	\$ -
	General Excavation	LS	1		\$ -	Yes	\$ -	\$ -
	Drainage Excavation	LS	1		\$ -	Yes	\$ -	\$ -
	Backfill/Borrow Material	LS	1		\$ -	Yes	\$ -	\$ -
	AC Pavement including ABC Base	Ton	1		\$ -	Yes	\$ -	\$ -
	Concrete Pavement including ABC Base	SY	1		\$ -	Yes	\$ -	\$ -
	AC Mill and Overlay	SY	1	\$ 652,225.28	\$ 652,225.28	Yes	\$ 615,048.44	\$ 37,176.84
	Curb and Gutter	LF	1		\$ -	Yes	\$ -	\$ -
	Aggregate Base	CY	1		\$ -	Yes	\$ -	\$ -
	Concrete Driveways	SF	1		\$ -	Yes	\$ -	\$ -
	Colored Concrete	SF	1		\$ -	Yes	\$ -	\$ -
	Concrete Pavers	SF	1		\$ -	Yes	\$ -	\$ -
	Stamped Asphalt	SY	1		\$ -	Yes	\$ -	\$ -
	Stamped Concrete	SF	1		\$ -	Yes	\$ -	\$ -
	Concrete Sidewalk	SF	1		\$ -	Yes	\$ -	\$ -
	Pedestrian ADA Ramps	EA	1		\$ -	Yes	\$ -	\$ -
	Bus Bay	EA	1		\$ -	Yes	\$ -	\$ -
	Bus Shelters	EA	1		\$ -	Yes	\$ -	\$ -
	Irrigation Pipeline	LF	1		\$ -	Yes	\$ -	\$ -
	Irrigation Canal relocation	LF	1		\$ -	Yes	\$ -	\$ -
	Irrigation Canal Culvert/Bridge Crossing	EA	1		\$ -	Yes	\$ -	\$ -
	Decorative Screen Walls	LF	1		\$ -	Yes	\$ -	\$ -
	Retaining Wall	SF	1		\$ -	Yes	\$ -	\$ -
	Electrical Service Connection	EA	1		\$ -	Yes	\$ -	\$ -
	Joint Trench Conduit, including City Spare	LF	1		\$ -	Yes	\$ -	\$ -
	Traffic Signal Intertie	LF	1		\$ -	Yes	\$ -	\$ -
	Traffic Signal	EA	1		\$ -	Yes	\$ -	\$ -
	Temporary Traffic Signal	EA	1		\$ -	Yes	\$ -	\$ -
	Traffic Signage and Markings	LS	1		\$ -	Yes	\$ -	\$ -
	Street Lighting including conduit and trenching	EA	1		\$ -	Yes	\$ -	\$ -
	Pedestrian Lighting including conduit and trenching	EA	1		\$ -	Yes	\$ -	\$ -
	Handrail	LF	1		\$ -	Yes	\$ -	\$ -
Utility Protection and Adjustments	LS	1		\$ -	Yes	\$ -	\$ -	
Adjust Water Valve	EA	18	\$ 340.00	\$ 6,120.00	Yes	\$ 5,771.16	\$ 348.84	
Relocate Fire Hydrant	EA	1		\$ -	Yes	\$ -	\$ -	
Adjusted Manholes	EA	35	\$ 450.00	\$ 15,750.00	Yes	\$ 14,852.25	\$ 897.75	
Drainage Catch basins and Scuppers	EA	1		\$ -	Yes	\$ -	\$ -	
Storm Drain 48"	LF	1		\$ -	Yes	\$ -	\$ -	
Storm Drain 36"	LF	1		\$ -	Yes	\$ -	\$ -	

**Chandler - Alleyway PM-10 Stabilization
PM-10 PAVING PROJECTS COST ESTIMATE WORKSHEET
(All Items are Required, Unless Identified as 'Optional')**

	ITEM DESCRIPTION	UNIT	TOTAL QUAN.	UNIT PRICE	TOTAL COST	Eligible for Federal Funds: Yes or No	FEDERAL SHARE	LOCAL SHARE
	Storm Drain 24"	LF	1		\$ -	Yes	\$ -	\$ -
	Storm Drain 18"	LF	1		\$ -	Yes	\$ -	\$ -
	New Waterline 8"	LF	1		\$ -	Yes	\$ -	\$ -
	New Waterline 12"	LF	1		\$ -	Yes	\$ -	\$ -
	New Waterline 16"	LF	1		\$ -	Yes	\$ -	\$ -
	New Sanitary Sewer 8"	LF	1		\$ -	Yes	\$ -	\$ -
	New Sanitary Sewer 12"	LF	1		\$ -	Yes	\$ -	\$ -
	Trees (36" box)	EA	1		\$ -	Yes	\$ -	\$ -
	Tree Grates	EA	1		\$ -	Yes	\$ -	\$ -
	Trees (24" box)	EA	1		\$ -	Yes	\$ -	\$ -
	Shrubs (5 gallon)	EA	1		\$ -	Yes	\$ -	\$ -
	Shrubs (1 gallon)	EA	1		\$ -	Yes	\$ -	\$ -
	Cactus (5 gallon)	EA	1		\$ -	Yes	\$ -	\$ -
	Decomposed Granite	SY	1		\$ -	Yes	\$ -	\$ -
	Topsoil	SY	1		\$ -	Yes	\$ -	\$ -
	Seeding	Acre	1		\$ -	Yes	\$ -	\$ -
	Sod	SY	1		\$ -	Yes	\$ -	\$ -
	Boulders	EA	1		\$ -	Yes	\$ -	\$ -
	Irrigation System - Drip	LS	1		\$ -	Yes	\$ -	\$ -
	Irrigation System - Turf	LS	1		\$ -	Yes	\$ -	\$ -
	Irrigation Booster Pump	EA	1		\$ -	Yes	\$ -	\$ -
	Landscape Header Curb	LF	1		\$ -	Yes	\$ -	\$ -
	Landscape Establishment	LS	1		\$ -	Yes	\$ -	\$ -
	Benches/Seatwalls	EA	1		\$ -	Yes	\$ -	\$ -
	Bike Racks	EA	1		\$ -	Yes	\$ -	\$ -
	Trash Receptacles	EA	1		\$ -	Yes	\$ -	\$ -
	Drinking Fountains	EA	1		\$ -	Yes	\$ -	\$ -
	Subgrade Preparation	SY	1		\$ -	Yes	\$ -	\$ -
	Erosion Control	LS	1		\$ -	Yes	\$ -	\$ -
	Utility Improvements	LS	1		\$ -	Yes	\$ -	\$ -
	Pre Construction Video	LS	1	\$ 660.00	\$ 660.00	Yes	\$ 622.38	\$ 37.62
	Material Testing	LS	1	\$ 5,600.00	\$ 5,600.00	Yes	\$ 5,280.80	\$ 319.20
			1		\$ -	Yes	\$ -	\$ -
			1		\$ -	Yes	\$ -	\$ -
	Dust Palliative	LS	1		\$ -	Yes	\$ -	\$ -
	Maintenance Traffic	LS	1		\$ -	Yes	\$ -	\$ -
			1		\$ -	Yes	\$ -	\$ -
			1		\$ -	Yes	\$ -	\$ -
			1		\$ -	Yes	\$ -	\$ -
			1		\$ -	Yes	\$ -	\$ -
			1		\$ -	Yes	\$ -	\$ -
			1		\$ -	Yes	\$ -	\$ -
			1		\$ -	Yes	\$ -	\$ -
			1		\$ -	Yes	\$ -	\$ -
			1		\$ -	Yes	\$ -	\$ -
			1		\$ -	Yes	\$ -	\$ -
	Contingency	LS	1		\$ -	Yes	\$ -	\$ -
	SUBTOTAL - CONSTRUCTION COST					\$ 734,355.28	\$ 692,497.03	\$ 41,858.25
	CONTINGENCY				10%	\$ 73,435.53	\$ 69,249.70	\$ 4,185.83
	CONSTRUCTION ADMINISTRATION (Assumes Certification Accepted Agencies have same costs as ADOT - 15%)				0%	\$ -	\$ -	\$ -
	SUBTOTAL - CONSTRUCTION COST					\$ 807,790.81	\$ 761,746.73	\$ 46,044.08
SUMMARY OF FEDERAL AND NON-FEDERAL FUNDS	PRELIMINARY ENGINEERING				\$ -	NA	\$ -	\$ -
	FINAL DESIGN - Stages II, III, IV and PS&E				\$ -	NA	\$ -	\$ -
	RIGHT OF WAY ACQUISITION				\$ -	NA	\$ -	\$ -
	UTILITY RELOCATIONS				\$ -	NA	\$ -	\$ -
	CONSTRUCTION (Including Construction Administration)				\$ 807,790.81	NA	\$ 761,746.73	\$ 46,044.08
	SUBTOTAL - PROJECT COST				\$ 807,790.81	NA	\$ 761,746.73	\$ 46,044.08
	ADOT REVIEW FEES (\$10,000 for Certification Accepted Agency, Otherwise \$30,000)				\$ 10,000.00	No	\$ -	\$ 10,000.00
	PROJECT TOALS (Including ADOT Review Fees)				\$ 817,790.81	NA	\$ 761,746.73	\$ 56,044.08

PM-10 Paving Application from Chandler for 'Alleyway PM-10 Stabilization'

**Chandler - Alleyway PM-10 Stabilization
PART C - TOTAL PROJECT BUDGET AND TIP PROGRAMMING INCLUDING ALL SEGMENTS
(All Items are Required, Unless Identified as 'Optional')**

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

Cost Estimate for the Project Including ALL Segments	Cost	(Optional) Additional Notes
1. PE and Final Design	0.00	No design required. Work in alleyways will consist of removing 4" to 6" of existing dirt and gravel to be replaced with the same amount of crushed millings for dust control.
2. Right of way	0.00	Nothing to be acquired.
3. Utilities	24,057.00	Utility adjustments before milling and after asphalt millings placement.
4. Construction	783,733.81	
5. Total Cost w/o ADOT Review Fee	807,790.81	
6. ADOT Review Fee	10,000.00	Required. Please see ADOT Fee Sheet for additional information.
7. Total Cost with ADOT Review Fee	817,790.81	Summation of Cost Cells.

Agency Programming

8. Please describe the programming of the project in the agency's own CIP/TIP.	Programmed for FY 2018
--	------------------------

Requested MAG TIP Programming	Year (Choose One)	Short Work Description (E.g. Pave Road)	Local Funding Source	Local Cost	CMAQ Cost	Total Cost	Local Share
9. Design (Optional)		N/A	N/A		\$ -	\$ -	
10. Right of way (Optional)		N/A	N/A		\$ -	\$ -	
11. Utilities (Optional)		N/A	N/A		\$ -	\$ -	
12. Construction	2018	Removing 4" to 6" of existing dirt and gravel to be replaced with the same amount of millings.	General Funds	46,044	761,747	\$ 807,791	5.7%
				\$ 46,044	\$ 761,747	\$ 807,791	

PM-10 Paving Application from Chandler for 'Alleyway PM-10 Stabilization'

**Chandler - Alleyway PM-10 Stabilization
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: Kevin Lair

Title: Transportation Manager

Date: 9-11-15

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	Yes
Project Description, fields 6, 7, 9 and 10 are complete	Yes
Project Description, field 8 – project map is provided in the printed application. Please attach a PDF file in the electronic submittal.	Yes
Site Visit Information, fields 11a and 11b	Yes
Site Visit Information, fields 11c Pictures attached.	Yes
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.	Yes
Segment Description, Section 1	
Fields 1 - 2 are complete	Yes
Field 3 – segment alignment map is provided in the printed application. Please attach PDF file in the electronic submittal.	Yes
Field 4 attach PDF file in the electronic submittal.	Yes
Fields 5 – 14 are complete	Yes
Proposed Improvements, Section 2	
Fields 1 – 2 are complete	Yes
Field 3 attach PDF file in the electronic submittal.	Yes
Fields 4 – 6 REQUIRED for Road and Street Segments and are complete.	Yes
Fields 4 – 6 OPTIONAL for shoulder and alley segments, please check box if complete.	Yes
Fields 7 – 10 are complete	Yes
PART C - Total Project Budget and TIP Programming Including All Segment Fields	
A cost estimate for PE has been developed (Rows 3-6)	No
A cost estimate for Final Design has been developed (Rows 8-11)	No
A cost estimate for Right of way has been developed (Rows 13-25)	No
A cost estimate for Utilities has been developed (Rows 27-34)	No
A cost estimate for Utilities has been developed (Rows 36-129)	No
PART D - Total Project Budget and TIP Programming Including All Segment Fields	Complete?

Chandler - Alleyway PM-10 Stabilization PART D - SIGNATURE AND CHECKLIST	
Requested MAG TIP Programming	
Field 8 - Agency CIP programming is completed	Yes
Fields 9 – Design Programming OPTIONAL	No
Fields 10 – Right of way Programming OPTIONAL	No
Fields 11 – Utilities Programming OPTIONAL	No
Fields 12 – Construction Programming	Yes
PART E - Signature Page Fields	Complete?
Form is signed	Yes
Name, title and date fields are completed.	Yes

PM-10 Paving Application from Chandler for 'Alleyway PM-10 Stabilization'

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 CMAG 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.>

ADOT Review Fees for Certification Accepted Agencies/1

ADOT SECTION	FUNCTION	RATE	HOURS	CHARGE/2
Environmental Planning	Environmental Planning	\$ 50	100	\$ 5,000
Urban Project Management	Project Manager	\$ 60	60	\$ 3,600
Urban Project Management	Project Coordinator	\$ 60	20	\$ 1,200
SUBTOTAL			180	\$ 9,800
STAFF GRAND TOTAL				\$ 10,000

ADOT Review Fees for Non Certification Accepted Agencies/1

ADOT SECTION	FUNCTION	RATE	HOURS	CHARGE/2
Contracts and Specs	Contracts and Specs	\$ 60	200	\$ 12,000
District	District	\$ 55	18	\$ 990
Engineering Consulting Section	Engineering Consulting Section	\$ 40	24	\$ 960
Environmental Planning	Environmental Planning	\$ 50	100	\$ 5,000
Materials	Geotech Design	\$ 50	15	\$ 750
Materials	Geotech Field Investigation	\$ 50	5	\$ 250
Right of Way	Plans	\$ 50	40	\$ 2,000
Roadway Group	Roadway Design	\$ 55	40	\$ 2,200
Roadway Group	Roadway Review	\$ 70	5	\$ 350
Traffic	Traffic Design	\$ 55	45	\$ 2,475
Urban Project Management	Project Manager	\$ 60	40	\$ 2,400
Urban Project Management	Project Coordinator	\$ 60	10	\$ 600
SUBTOTAL			542	\$ 29,975
STAFF GRAND TOTAL				\$ 30,000

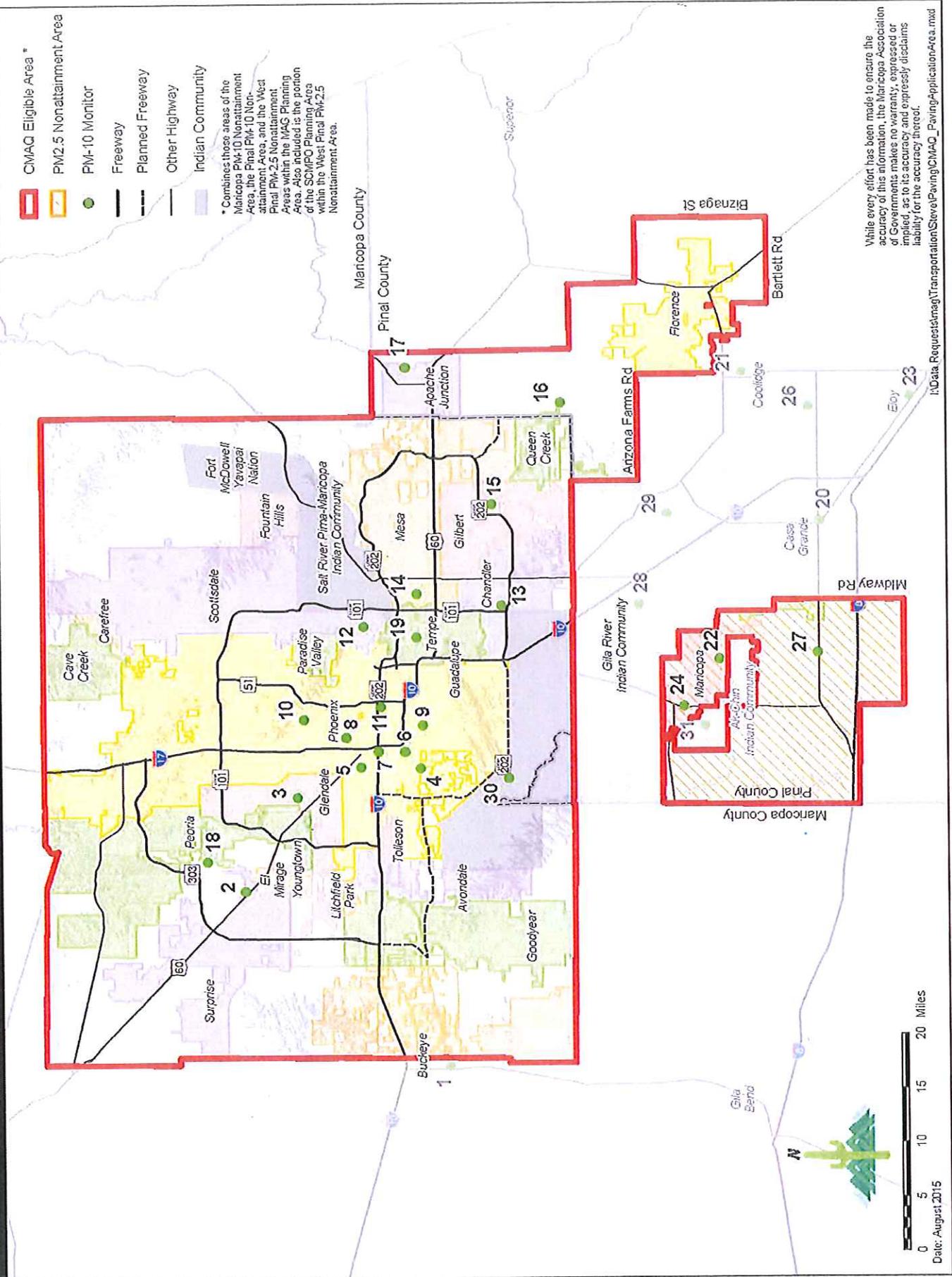
Notes:

1. Based on material provided by ADOT in July, 2015. All functions, rates, hours and costs are as listed in the material provided by
2. Charges to agencies will be based on work performed by ADOT. Costs accrued will vary depending on project characteristics and



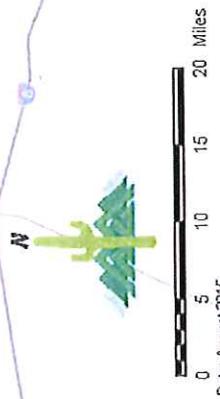
CMAQ Paving Application Area

- CMAQ Eligible Area *
 - PM2.5 Nonattainment Area
 - PM-10 Monitor
 - Freeway
 - Planned Freeway
 - Other Highway
 - Indian Community
- * Combines those areas of the Maricopa PM-10 Nonattainment Area, the Pinal PM-10 Nonattainment Area, and the West Pinal PM-2.5 Nonattainment Areas within the MAG Planning Area. Also included is the portion of the SCMPD Planning Area within the West Pinal PM-2.5 Nonattainment Area.



While every effort has been made to ensure the accuracy of this information, the Maricopa Association of Governments makes no warranty, expressed or implied, as to its accuracy and expressly disclaims liability for the accuracy thereof.

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Map ID	Site ID	Name	Address	City	County	Agency
1	40134011	Buckeye	26449 West 100th Drive	Buckeye	Maricopa	Maricopa County AQD
2	40134010	Dysart	16825 North Dysart Road	Surprise	Maricopa	Maricopa County AQD
3	40132001	Glendale	6001 West Olive Avenue	Glendale	Maricopa	Maricopa County AQD
4	40134009	West 43rd Avenue	3940 West Broadway Road	Phoenix	Maricopa	Maricopa County AQD
5	40130019	West Phoenix	3847 West Earll	Phoenix	Maricopa	Maricopa County AQD
6	40139812	Durango Complex	2702 RC Ester Brook Boulevard	Phoenix	Maricopa	Maricopa County AQD
7	40133010	Greenwood	1128 North 27th Avenue	Phoenix	Maricopa	Maricopa County AQD
8	40139997	JLG Supersite	4530 North 17th Avenue	Phoenix	Maricopa	ADEQ
9	40134003	South Phoenix	33 West Tamarisk Avenue	Phoenix	Maricopa	Maricopa County AQD
10	40131004	North Phoenix	601 East Butler Drive	Phoenix	Maricopa	Maricopa County AQD
11	40133002	Central Phoenix	1645 East Roosevelt Street	Phoenix	Maricopa	Maricopa County AQD
12	40133003	South Scottsdale	2857 North Miller Road	Scottsdale	Maricopa	Maricopa County AQD
13	40134004	West Chandler	275 South Ellis	Chandler	Maricopa	Maricopa County AQD
14	40131003	Mesa	310 South Brooks	Mesa	Maricopa	Maricopa County AQD
15	40134006	Higley	15400 South Higley Road	Gilbert	Maricopa	Maricopa County AQD
16	40213009	Combs School	301 East Combs Road	Queen Creek	Pinal	Pinal County AQCD
17	40213002	Apache Junction Fire Station	3955 East Superstition Boulevard	Apache Junction	Pinal	Pinal County AQCD
18	40134016	Zuni Hills	10851 W Williams Road	Sun City	Maricopa	Maricopa County AQD
19	40134005	Tempe	1515 S College Avenue	Tempe	Maricopa	Maricopa County AQD
20	40210001	Casa Grande Downtown	401 N. Marshall Street	Casa Grande	Pinal	Pinal County AQCD
21	40213004	Coolidge Maintenance Yard	212 E. Broadway	Coolidge	Pinal	Pinal County AQCD
22	402113013	Cowtown Road	37580 W. Maricopa-Casa Grande Highway	Maricopa	Pinal	Pinal County AQCD
23	402113014	Eloy County Complex	801 N. Main Street	Eloy	Pinal	Pinal County AQCD
24	402113010	(City of) Maricopa County Complex	44625 W. Garvey Road	Maricopa	Pinal	Pinal County AQCD
25	402113007	Pinal Air Park	Water Well #2, Pinal Air Park Road	Marana	Pinal	Pinal County AQCD
26	402113011	Pinal County Housing Complex	970 N. Eleven Mile Corner Road	Casa Grande	Pinal	Pinal County AQCD
27	40213008	Stanfield County Complex	36697 W. Papago Drive	Stanfield	Pinal	Pinal County AQCD
28	40217004	Casa Blanca	Casa Blanca/Preschool Road	Bapchule	Pinal	Gila River Indian Community
29	40217001	Sacaton	35 Pima Street	Sacaton	Pinal	Gila River Indian Community
30	40137003	St Johns	4208 W. Pecos Road	Laveen	Maricopa	Gila River Indian Community
31	40217030	Ak Chin	47685 W. Eco-Museum Road	Maricopa	Pinal	Ak Chin Indian Community