Maricopa City - Farrell and Hartman Intersection Paving Phase 2
PART A - CONTACT AND PROJECT DESCRIPTION
(All Items are Required, Unless Identified as 'Optional')

Contact Information

1. Agency Name	Maricopa City
2. Name:	Rob Dolson
3. Phone:	520-316-6936
4. E-Mail:	rob.dolson@Maricopa-az.gov
5. Mailing Address:	39700 W Civic Center Plaza Maricopa, AZ. 85138

Project Description

6. Please provide the Project Title.	Farrell and Hartman Intersection Paving Phase 2
7. Please provide a general description of the project.	Pave 1.5 miles of Farrell Road, an unpaved rural dirt road in the City of Maricopa.
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).	1
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

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	Rob Dolson
b. Date site visit completed	9/14/2015
c. Pictures of the site visit are required.	**Please attach pictures with transmittal**

Maricopa City - Farrell and Hartman Intersection Paving Phase 2
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 Maricopa City for 'Farrell and Hartman Intersection Paving Phase 2'

Maricopa City - Farrell and Hartman Intersection Paving Phase 2
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	Beginning just east of the Fuqua alignment heading East along Farrell Road for 0.86 miles and ending at Hartman Road.
2. Length and Curb Miles	
a. Length (Miles) of the segment	0.86
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).	1.72
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's #22 also PM 2.5 Region
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?	Road is currently a dirt road and is unpaved, no graveled surface or use of dust suppressants or palliatives.
7. Please describe traffic on the segment (e.g. weekday percent truck, etc.).	Farm vehicles, residential traffic and hauling rigs.
8. Current Average Traffic (ADT)	117
9. Please describe methodology used to calculate ADT	The ADT is assumed based on the traffic data of arterial unpaved roadway in the area and intersects with Farrell Road, Source data was taken from Field Data Services of Arizona/Veracity Traffic Group Project # 13-1074-045

Maricopa City - Farrell and Hartman Intersection Paving Phase 2
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.	No known cultural, historical, biological or hazardous materials that affect this segment.

Maricopa City - Farrell and Hartman Intersection Paving Phase 2
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.	

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 (Describe)	
None	
14. Please describe any utility conflicts that will need to be addressed.	Power Lines are within 33' easement however on the shoudler. Sewer manholes will be under pavement and require ajustment.

Maricopa City - Farrell and Hartman Intersection Paving Phase 2
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	Yes
Urban Road	
Subdivision Street	
Alley	
Shoulders	
Other (Describe)	
2. Please describe the work to be performed on the segment:	Typical rural road cross section to include 24' of crowned paving, 3' shoudlers and retention ditches on each side.
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.	Double chip seal over aggregate base course material.
8. Non paving improvements to be included: (Choose All that Apply and Select Yes or No)	
Sidewalks	No

PM-10 Paving Application from Maricopa City for 'Farrell and Hartman Intersection Paving Phase 2'

Maricopa City - Farrell and Hartman Intersection Paving Phase 2
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	$ 8,000.00	$ 8,000.00	No	$ -	$ 8,000.00
	Design Concept Report (DCR)				$ -	No	$ -	$ -
	Federal Project Environmental Determination	LS	1	$ 15,000.00	$ 15,000.00	No	$ -	$ 15,000.00
	HAZMAT Assessment	LS	1	$ 3,000.00	$ 3,000.00	No	$ -	$ 3,000.00
	SUBTOTAL – PRELIMINARY ENGINEERING COSTS				**$ 26,000.00**		**$ -**	**$ 26,000.00**
FINAL DESIGN - Stages II, III, IV and PS&E	Plans, Specifications, Cost Estimates, Bidding	LS	1	$ 86,453.58	$ 86,453.58	No	$ -	$ 86,453.58
	Geotechnical Report	LS	1	$ 20,172.50	$ 20,172.50	No	$ -	$ 20,172.50
	Drainage Report				$ -	No	$ -	$ -
	SWPPP	LS	1	$ 1,152.71	$ 1,152.71	No	$ -	$ 1,152.71
	SUBTOTAL – FINAL DESIGN COSTS				**$ 107,778.79**		**$ -**	**$ 107,778.79**
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			$ -	$ -	No	$ -	$ -
	Other Right of Way Expenses			$ -	$ -	No	$ -	$ -
	Other Right of Way Expenses			$ -	$ -	No	$ -	$ -
	SUBTOTAL – RIGHT OF WAY COSTS				**$ -**		**$ -**	**$ -**
UTILITY RELOCATIONS	Relocate 69 kv (+) Poles				$ -	No	$ -	$ -
	Relocate/Underground 12 kv lines				$ -	No	$ -	$ -
	Relocate/Underground Irrigation Canal				$ -	No	$ -	$ -
	SWG Relocations				$ -	No	$ -	$ -
	Telephone/Cable TV Relocations				$ -	No	$ -	$ -
	Upgrade Railroad Crossings				$ -	No	$ -	$ -
	Other Utilities				$ -	No	$ -	$ -
	Other Utilities				$ -	No	$ -	$ -
	SUBTOTAL – UTILITY RELOCATION COSTS				**$ -**		**$ -**	**$ -**
CONSTRUCTION	Contractor Mobilization	LS	1	$ 20,000.00	$ 20,000.00	Yes	$ 18,860.00	$ 1,140.00
	HAZMAT Abatement	LS	1	$ 15,000.00	$ 15,000.00	Yes	$ 14,145.00	$ 855.00
	Construction Survey and Layout	LS	1	$ 5,000.00	$ 5,000.00	Yes	$ 4,715.00	$ 285.00
	Temporary Traffic Control	LS	1	$ 15,000.00	$ 15,000.00	Yes	$ 14,145.00	$ 855.00
	Remove Pavement	SF	60	$ 5.00	$ 300.00	Yes	$ 282.90	$ 17.10
	General Grading	SY	851	$ 6.00	$ 5,104.00	Yes	$ 4,813.07	$ 290.93
	Double Chip Seal	SY	20,416	$ 5.00	$ 102,080.00	Yes	$ 96,261.44	$ 5,818.56
	10" ABC Base	TN	14,256	$ 18.00	$ 256,608.00	Yes	$ 241,981.34	$ 14,626.66
	Subgrade Preparation	SY	20,416	$ 5.00	$ 102,080.00	Yes	$ 96,261.44	$ 5,818.56
	Concrete Paving	CY	91	$ 250.00	$ 22,685.19	Yes	$ 21,392.13	$ 1,293.06
	Manholes Adjustments	EA	20	$ 650.00	$ 13,000.00	Yes	$ 12,259.00	$ 741.00
	Rip Rap over Filter Fabric	CY	130	$ 150.00	$ 19,500.00	Yes	$ 18,388.50	$ 1,111.50
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -

Maricopa City - Farrell and Hartman Intersection Paving Phase 2
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
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
					$ -	Yes	$ -	$ -
	SUBTOTAL - CONSTRUCTION COST				**$ 576,357.19**		**$ 543,504.83**	**$ 32,852.36**
	CONTINGENCY			**10%**	**$ 57,635.72**	Yes	$ 54,350.48	$ 3,285.24
	CONSTRUCTION ADMINISTRATION (Assumes Certification Accepted Agencies have same costs as ADOT - 15%)			**15%**	**$ 86,453.58**	Yes	$ 81,525.72	**$ 4,927.85**
	SUBTOTAL - CONSTRUCTION COST				**$ 720,446.48**		$ 679,381.03	**$ 41,065.45**
SUMMARY OF FEDERAL AND NON-FEDERAL FUNDS	PRELIMINARY ENGINEERING				$ 26,000.00	NA	$ -	$ 26,000.00
	FINAL DESIGN - Stages II, III, IV and PS&E				$ 107,778.79	NA	$ -	$ 107,778.79
	RIGHT OF WAY ACQUISITION				$ -	NA	$ -	$ -
	UTILITY RELOCATIONS				$ -	NA	$ -	$ -
	CONSTRUCTION (Including Construction Administration)				$ 720,446.48	NA	$ 679,381.03	$ 41,065.45
	SUBTOTAL - PROJECT COST				$ 854,225.28	NA	$ 679,381.03	$ 174,844.24
	ADOT REVIEW FEES ($10,000 for Certification Accepted Agency, Otherwise $30,000)				**$ 30,000.00**	**No**	**$ -**	**$ 30,000.00**
	PROJECT TOALS (Including ADOT Review Fees)				**$ 884,225.28**	**NA**	**$ 679,381.03**	**$ 204,844.24**

PM-10 Paving Application from Maricopa City for 'Farrell and Hartman Intersection Paving Phase 2'

Maricopa City - Farrell and Hartman Intersection Paving Phase 2
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	133,778.79	
2. Right of way	0.00	
3. Utilities	0.00	
4. Construction	720,446.48	
5. Total Cost w/o ADOT Review Fee	854,225.28	
6. ADOT Review Fee	30,000.00	Required. Please see ADOT Fee Sheet for additional information.
7. Total Cost with ADOT Review Fee	884,225.28	

Agency Programming

8. Please describe the programming of the project in the agency's own CIP/TIP.	The City of Maricopa is currently revamping its Capital Improvement Program based on recommendations from an update to the Area Transportation Plan which is currently underway. A paved connection between Farell Road and Peters/Nall at Porter Road is reccomended by year 2020.

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)	2017		1/2 Cent County Road Tax Fund	187,262	$ -	$ 187,262	100.0%
10. Right of way (Optional)					$ -	$ -	
11. Utilities (Optional)					$ -	$ -	
12. Construction	2018		1/2 Cent County Road Tax Fund	41,065	679,381	$ 720,446	5.7%
				$ 228,327	$ 679,381	$ 907,708	

PM-10 Paving Application from Maricopa City for 'Farrell and Hartman Intersection Paving Phase 2'

Maricopa City - Farrell and Hartman Intersection Paving Phase 2
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: William Fay

Title: Public Work Director - City Engineer

Date: 9-16-15

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.	
Fields 7 – 10 are complete	Yes
PART C - Total Project Budget and TIP ProgrammingIncluding All Segment Fields	
A cost estimate for PE has been developed (Rows 3-6)	Yes
A cost estimate for Final Design has been developed (Rows 8-11)	Yes
A cost estimate for Right of way has been developed (Rows 13-25)	Yes
A cost estimate for Utilities has been developed (Rows 27-34)	Yes
A cost estimate for Utilities has been developed (Rows 36-129)	Yes
PART D - Total Project Budget and TIP ProgrammingIncluding All Segment Fields	**Complete?**

Maricopa City - Farrell and Hartman Intersection Paving Phase 2
PART D - SIGNATURE AND CHECKLIST

Requested MAG TIP Programming	
Field 8 - Agency CIP programming is completed	Yes
Fields 9 – Design Programming **OPTIONAL**	
Fields 10 – Right of way Programming **OPTIONAL**	
Fields 11 – Utilities Programming **OPTIONAL**	
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 Maricopa City for 'Farrell and Hartman Intersection Paving Phase 2'

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

Maricopa City - Farrell and Hartman Intersection Paving Phase 2
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	Beginning just South of Farrell Road heading North along Hartman Road for 0.52 miles and ending 0.2 miles south of Sorrento Blvd.
2. Length and Curb Miles	
a. Length (Miles) of the segment	0.52
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).	1.04
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 #22 also PM 2.5 Region
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?	Road is currently a dirt road and is unpaved, no graveled surface or use of dust suppressants or palliatives.
7. Please describe traffic on the segment (e.g weekday percent truck, etc.).	Farm vehicles, residential traffic and hauling rigs.
8. Current Average Traffic (ADT)	653
9. Please describe methodology used to calculate ADT	The City of Maricopa utilizes CAAG Traffic Research and Analysis for data provided.

Maricopa City - Farrell and Hartman Intersection Paving Phase 2
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.

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.	No known cultural, historical, biological or hazardous materials that affect this segment.

Maricopa City - Farrell and Hartman Intersection Paving Phase 2
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	No
Private Structures	No
Other (Describe)	
None	
14. Please describe any utility conflicts that will need to be addressed.	None

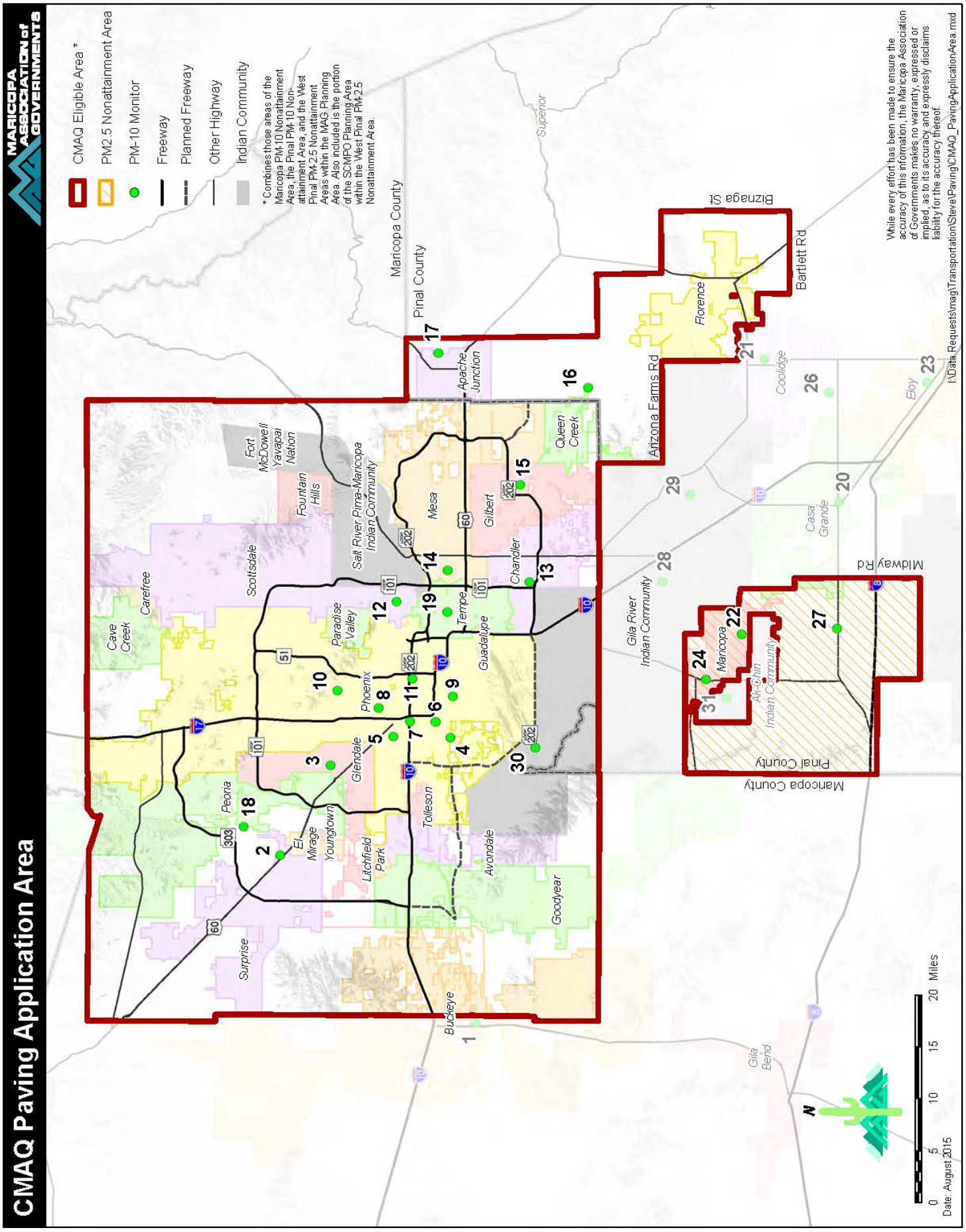
Maricopa City - Farrell and Hartman Intersection Paving Phase 2
PART B2 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')

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.

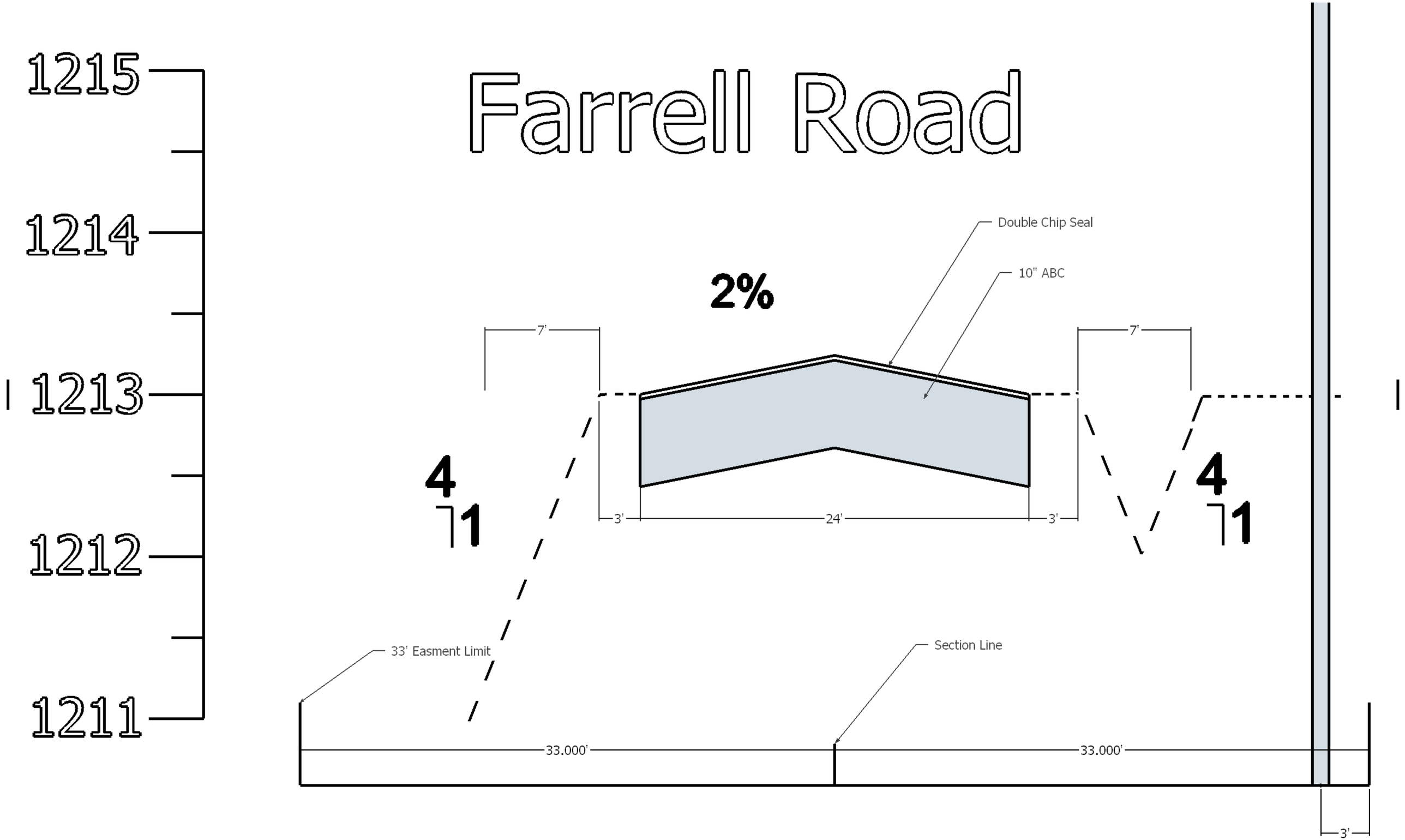
The purpose of Part B is to provide sufficient information to evaluate the cost estimate for the project and to provide assurance that the project will be capable of meeting the ADOT administered federal design review and clearance process. This process requires environmental, ROW and utilities clearances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

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	Yes
Urban Road	
Subdivision Street	
Alley	
Shoulders	
Other (Describe)	
2. Please describe the work to be performed on the segment:	Typical rural road cross section to include 24' of crowned paving, 3' shoudlers and retention ditches on each side. Small segment of concrete paving through wash
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.	Double Chip eal over 10" ABC. The section that passes through the wash will be concrete paving.
8. Non paving improvements to be included: (Choose All that Apply and Select Yes or No)	
Sidewalks	No

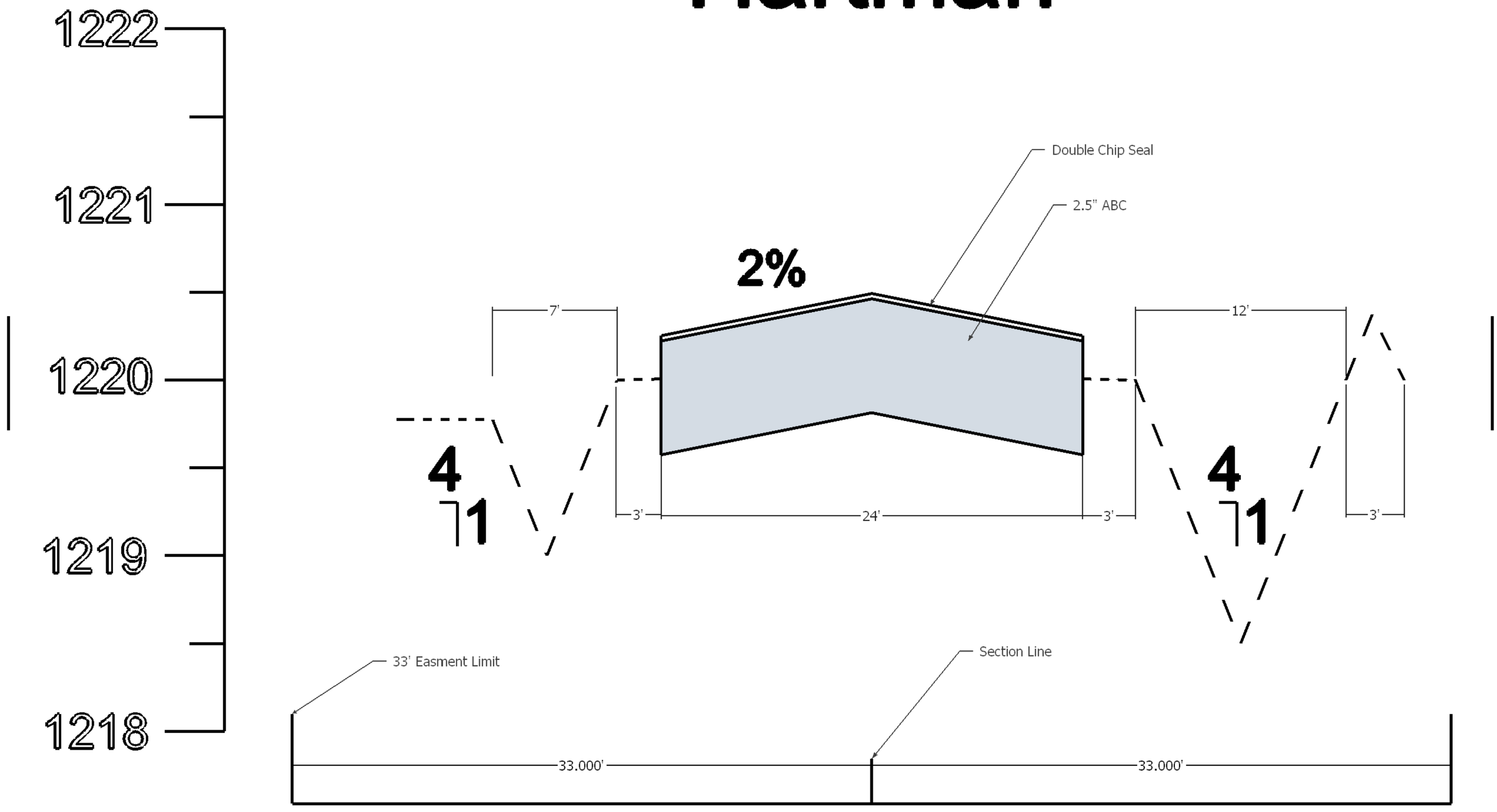
PM-10 Paving Application from Maricopa City for 'Farrell and Hartman Intersection Paving Phase 2'

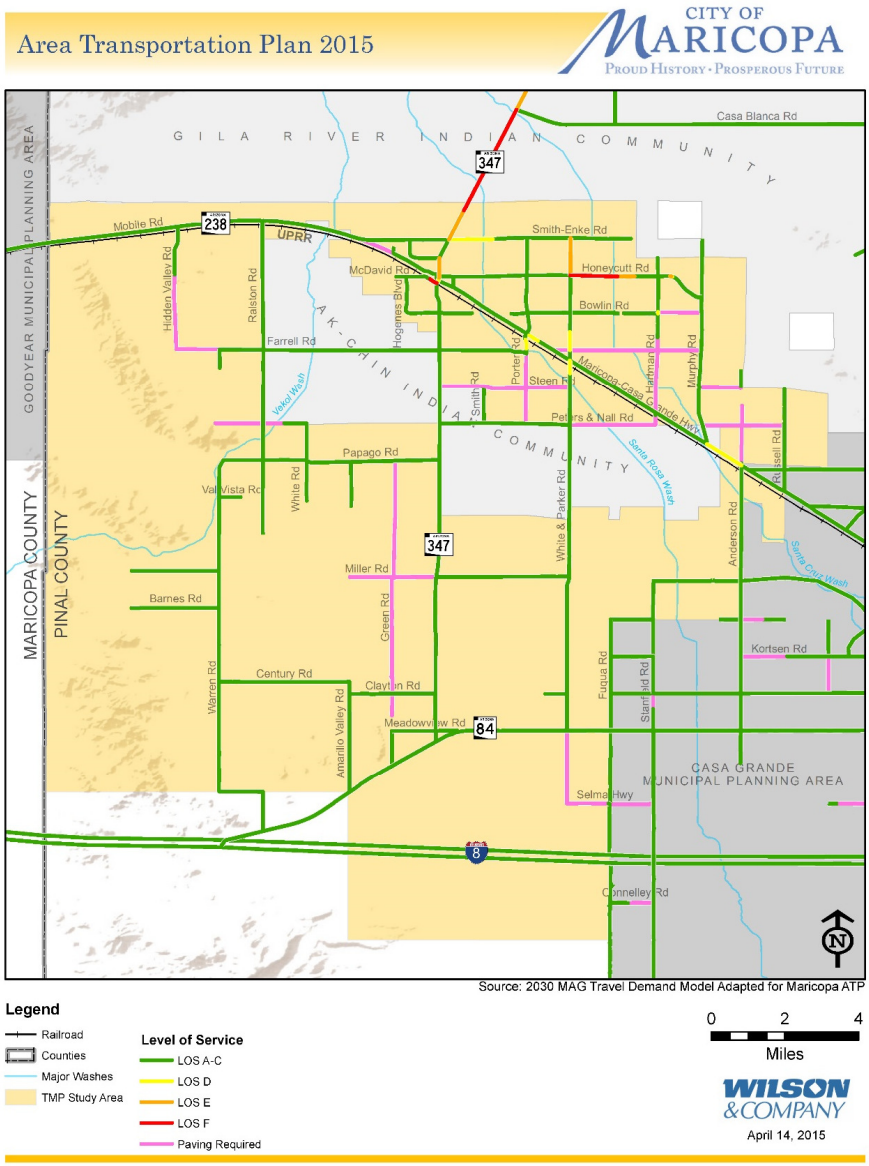

CMAQ Paving Application Area
MARICOPA ASSOCIATION of GOVERNMENTS
CMAQ Eligible Area *
PM2.5 Nonattainment Area
PM-10 Monitor
Freeway
Planned Freeway
Other Highway
Indian Community
* Combines those areas of the Maricopa PM-10 Nonattainment Area, the Pinal PM-10 Non-attainment Area, and the West Pinal PM-2.5 Nonattainment Areas within the MAG Planning Area. Also included is the portion of the SCMPO Planning Area within the West Pinal PM-2.5 Nonattainment Area.
Maricopa County
Pinal County
Superior
Fort McDowell Yavapai Nation
Fountain Hills
Salt River Pima-Maricopa Indian Community
Scottsdale
Carefree
Cave Creek
Paradise Valley
Phoenix
Mesa
Tempe
Guadalupe
Gilbert
Chandler
Queen Creek
Apache Junction
Glendale
Peoria
El Mirage
Youngtown
Litchfield Park
Tolleson
Avondale
Goodyear
Surprise
Buckeye
Gila Bend
Gila River Indian Community
Arizona Farms Rd
Florence
Bizanga St
Bartlett Rd
Coolidge
Casa Grande
Eloy
Maricopa
Ak-Chin Indian Community
Midway Rd
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.
I:\Data_Requests\mag\Transportation\Steve\Paving\CMAQ_PavingApplicationArea.mxd
0 5 10 15 20 Miles
Date: August 2015

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

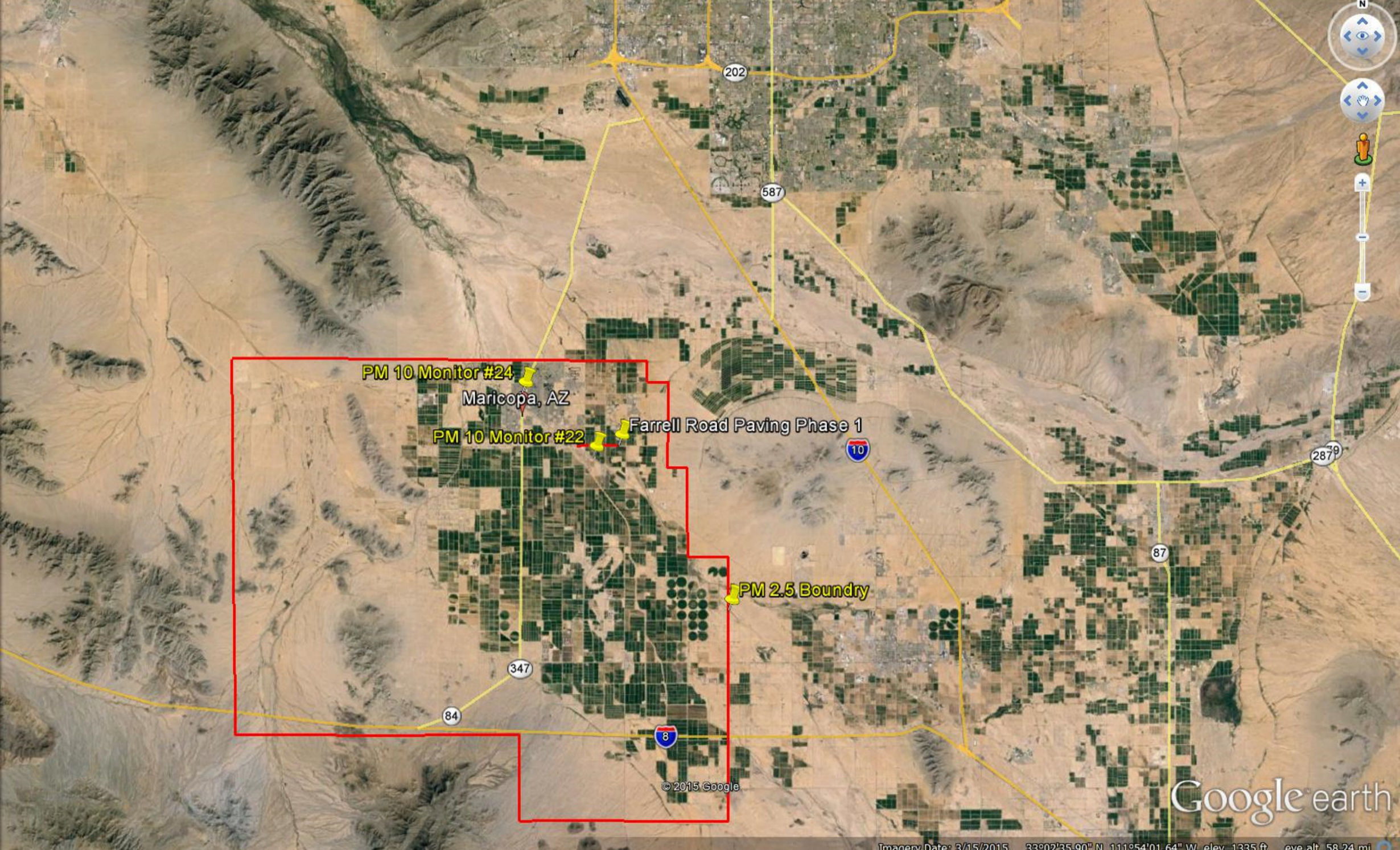

Farrell Road
1215
1214
1213
1212
1211
Double Chip Seal
10" ABC
2%
7'
7'
4
1
4
1
3'
24'
3'
33' Easment Limit
Section Line
33.000'
33.000'
3'

Hartman


1222
1221
1220
1219
1218
Double Chip Seal
2.5" ABC
2%
7'
12'
4
1
4
1
3'
24'
3'
3'
33' Easment Limit
Section Line
33.000'
33.000'



Comment [DM2]: Please move up Figure 3-2 notation so it's below the map.


PM 10 Monitor #24
Maricopa, AZ
PM 10 Monitor #22
Farrell Road Paving Phase 1
PM 2.5 Boundry
202
587
10
287
79
87
347
84
8
© 2015 Google
Google earth

PM 2.5 Region
PM 10 Monitor #24
Maricopa, AZ
PM 2.5 Boundry
3. End of Segment 1 - Hartman Road Intersection
6. End of Segment 2
2. Farrell - Power Lines
5. Hartman - Wash Crossing
1. Point of Beginning Segment 1
4. Point of Beginning Segment 2
Wash Parallel to Roadway
PM 10 Monitor #22
2 Miles
Google earth

1. Point of Beginning – Farrell and Hartman P2 (Farrell)

2. Farrell Road P2 – Power Lines

3. Farrell P2 – End (Hartman Intersection)

4. Hartman – POB

5. Hartman – Wash Crossing

6. Hartman - End