

PAVING UNPAVED ROAD PROJECT APPLICATION FOR THE WEST CENTRAL PINAL PM-2.5 NONATTAINMENT AREAS

CMAQ Funding Available for Federal Fiscal Year 2014, 2015, 2016 and 2017

General Instructions:

This excel form is to be used to request federal Congestion Mitigation and Air Quality (CMAQ) funding available through the Maricopa Association of Governments (MAG) for Paving Unpaved Road Projects to be included in the FY2014-2018 MAG Transportation Improvement Program. Funding is available for Federal Fiscal Year (FFY) 2014, 2015, 2016 and 2017. Eligible projects phases for CMAQ funding are being offered for Design in FFY2014, 2015 and FY2016, and Construction in FFY2015, 2016, and 2017.

This application form includes: Part A - Contact and Project Description, Part B - Segment Description and Proposed Improvements, Part C - Total Project Budget and Schedule, Part D - Checklist and Signature Page, and Transmittal Instructions and Schedule. Each part is a separate tab of this excel file. Please complete Parts A - D. Alternative application forms are available upon request.

Deadlines and Transmittal Instructions:

Two copies of a printed, complete and signed application must be received in the MAG offices by **10:00 a.m. Friday, November 22, 2013**. And the application is to be submitted electronically. Detailed transmittal instructions are located in a separate tab in this excel sheet. Late applications will not be accepted.

If member agencies need additional information or have questions, they should contact Teri Kennedy or Stephen Tate (602) 254-6300 or contact them by e-mail at the following addresses:

<mailto:state@mag.maricopa.gov>

<mailto:tkennedy@azmag.gov>

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

PART A - CONTACT AND PROJECT DESCRIPTION

Contact Information

1. Agency Name	Pinal County
2. Name:	John Kraft, Construction Section Chief
3. Phone:	(520) 866-6480
4. E-Mail:	john.kraft@pinalcountyz.gov
5. Mailing Address:	31 North Pinal Street Bldg F
	P.O. Box 727
	Florence, Az 85132

Project Description

6. Please provide the Project Title.	Paving of Dirt Roads
7. Please provide a general description of the project.	Barnes Road from White & Parker Road to Fuqua Road (1.0 mi) and Fuqua Road from Barnes Road to Lealand Road (1.5 mi)
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).	2
10. Please review the map of West Central PM-2.5 Nonattainment Area included in the mailing to verify that the proposed project is in the nonattainment area. Enter 'Yes' or 'No'.	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.

**PAVING UNPAVED ROAD PROJECT APPLICATION FOR THE WEST CENTRAL PINAL PM-2.5
NONATTAINMENT AREAS**

CMAQ Funding Available for Federal Fiscal Year 2014, 2015, 2016 and 2017

a. Name of Person who completed site visit	John Kraft
b. Date site visit completed	13-Nov-13
c. Pictures of the site visit are required.	Please attach pictures with transmittal

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

- a. A length of roadway, alley or shoulder to be improved with fixed starting and ending limit that has a relatively uniform cross section, or
- b. Discontinuous shoulder improvements along a continuous length of roadway with a fixed starting and ending limit that has a relatively uniform cross section.

The segment may curve or change direction, but must be continuous and have a relatively uniform cross section. **PART B MUST BE SUBMITTED FOR EACH SEGMENT OF THE PROJECT. If a MAG member agency is paving 'Various Locations', these must be defined and noted as separate Segments.**

(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-2.5 Paving Application Pinal Countyfor 'Paving of Dirt Roads'

PART B - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS

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

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

Section 1 - Segment Description	Segment 1
1. Segment Location - Include segment beginning and ending limits	Barnes Road from White & Parker Road to Fuqua Road
2. Length and Curb Miles	
a. Length (Miles) of the segment	1
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).	2
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-2.5 or PM-10 monitor (See map included with the mailing)? Which monitor?	<i>Monitor is located North of Highway 84 and East of Starfield Road - See attached maps.</i> Yes
6. Please describe the current surface condition of the shoulder, alley or road segment to be paved. Also is the surface graveled or are dust suppressants being used?	condition of existing shoulder is dirt / gravel
7. Please describe traffic on the segment (e.g weekday percent truck, etc.).	10%
8. Current Average Traffic (ADT)	900
9. Please describe methodology used to calculate ADT	Used Central Arizona Association of Governments (CAAG) counts from 2010 and estimated based on nearby locations
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 and biological resources, hazardous materials or other environmental issues that could affect work on this segment.
11. Current ROW: (Choose All that Apply and select Yes or No) Agency owns all ROW Needed	Yes

PART B - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS	
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.	No known right-of-way issues are associated with this segment.
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	No
14. Please describe any utility conflicts that will need to be addressed.	None
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	No
Subdivision Street	No
Alley	No
Shoulders	Yes
Other	Describe:
2. Please describe the work to be performed on the segment:	Construct an asphalt paved roadway per Pinal County approved Uniform Standard C-2 modified for a 28 foot wide paved width.
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.	No vertical alignment changes are anticipated at this time. Finish grade of new road should match grade of existing road.
5. (Optional for shoulder and alley paving, required for road paving) Please describe horizontal alignment changes.	No horizontal alignment changes are anticipated at this time. Horizontal alignment of new road should match horizontal alignment of existing road.
6. (Optional for shoulder and alley paving, required for road paving) Design speed of the after construction segment.	Design speed for this segment is estimated to be 45 mph.
7. Please describe the type of paving for the segment.	Type of pavement for this segment will be 3 inches of hot mix asphalt over 8 inches of aggregate base course over a prepared subgrade.
8. Non paving improvements to be included: (Choose All that Apply and Select Yes or No)	
Sidewalks	No
Fencing	No

PART B - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS

Lighting	No
Curb & Gutter	No
Bicycle path or lane	No
Other	Describe:
9. Please describe the non paving improvements to be included in the segment.	There are no non-paving improvements to be included in this segment.
10. For roadway paving, please enter the number of unpaved access points (e.g. driveways, cross roads) to be paved by the project.	2
Maintenance	Segment 1
11. What is the anticipated life span of the paving (Years)?	10
12. When do you anticipate that major maintenance will be required for the improvement (Year)?	2027
PM-2.5 Paving Application Pinal Countyfor 'Paving of Dirt Roads'	

PART C - TOTAL PROJECT SCHEDULE AND BUDGET INCLUDING ALL SEGMENTS

Paving Application PM 2.5 Areas FY2014

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

		(OPTIONAL)	
1. Please attach a detailed cost estimate			
Cost Estimate for the Project Including ALL Segments	Cost	(Optional)	Additional Notes
2. PE and Final Design	\$ 280,000		
3. Right of way	\$ -		
4. Utilities	\$ -		
5. Construction	\$ 1,117,640		
6. Contingency	\$ 111,764		
7. Total Cost w/o ADOT Review Fee	\$ 1,509,404.00		
8. ADOT Review Fee	\$ 45,282.12		Required ADOT review fee. The fee is calculated as \$ 30,000 or 3% of project cost, whichever is higher.
9. ADOT Construction Admin	\$ 167,646.00		15% of line item 5. Construction
10. Total Cost with ADOT Review Fee	\$ 1,722,332.12		Summation of Cost Cells

Agency Programming

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

Upon approval of CMAQ review committee, anticipate using HURF funds to pay for County share.

Requested MAG Programming	Year (Choose One)	Local Funding Source	Local Cost	CMAQ COST	Total Cost
12. Design	2014	HURF	15,960	264,040	280,000
13. Right of way and Utilities	2015		0	0	0
14. Construction	2016	HURF Part_G	82,213	1,360,119	1,442,332
			98,173	1,624,159	1,722,332

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:	Scott Bender, P.E.
Title:	County Engineer
Date:	November 21, 2013
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
Fields 11 – 12 are complete	Yes
PART C - Total Project Schedule and Budget Including All Segment Fields	Complete?
Section 1 - Total Project Budget	
Fields 1- is OPTIONAL . Please attach a PDF file in the electronic submittal if a detailed cost estimate is provided with printed application	Yes
Fields 2 – 6 are complete	Yes
Field 7 is REQUIRED for non certified agencies, please check box if included and provided in the printed application.	Yes
Field 8 is OPTIONAL , please check box if included and provided in the printed application. Please attach PDF file in the electronic submittal.	Yes
Field 9 - total cost field is complete	Yes
Field 10 - Agency CIP programming is completed	Yes
Fields 11 – 13 Years are complete	Yes
Fields 11 – 13 Local Funding Sources are complete	Yes
Fields 11 – 13 Local Costs are complete	Yes
Fields 11 – 13 Total Costs are complete	Yes
Field 13 Federal Costs are complete	Yes
Section 2 - Project Schedule is OPTIONAL	
Fields 1 - 14 are OPTIONAL	Yes
PART D - Signature Page Fields	Complete?
Form is signed	Yes
Name, title and date fields are completed.	Yes

PM-2.5 Paving Application Pinal Countyfor 'Paving of Dirt Roads'

PART B2 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS

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

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

Section 1 - Segment Description	Segment 2
1. Segment Location - Include segment beginning and ending limits	Fuqua Road from Barnes Road to Lealand Road
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).	1.5 3
3. Please provide a map/graphic/photo that clearly shows the segment alignment and features that cross into or about 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-2.5 or PM-10 monitor (See map included with the mailing)? Which monitor?	Yes
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?	condition of existing shoulder is dirt / gravel
7. Please describe traffic on the segment (e.g weekday percent truck, etc.).	10
8. Current Average Traffic (ADT)	900
9. Please describe methodology used to calculate ADT	Used Central Arizona Association of Governments (CAAG) counts from 2010 and estimated based on nearby locations
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 and biological resources, hazardous materials or other environmental issues that could affect work on this segment.

PART B2 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS	
11. Current ROW: (Choose All that Apply and select Yes or No)	
Agency owns all ROW Needed	Yes
ROW to be acquired	No
Owners will donate ROW	No
Condemnation may be required	No
12. Please describe any right of way issues associated with the segment.	No known right-of-way issues are associated with this segment.
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	No
14. Please describe any utility conflicts that will need to be addressed.	None
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	No
Subdivision Street	No
Alley	No
Shoulders	Yes
Other	Describe:
2. Please describe the work to be performed on the segment:	Construct an asphalt paved roadway per Pinal County approved Uniform Standard C-2 modified for a 28 foot wide paved width.
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.	No vertical alignment changes are anticipated at this time. Finish grade of new road should match grade of existing road.
5. (Optional for shoulder and alley paving, required for road paving) Please describe horizontal alignment changes.	No horizontal alignment changes are anticipated at this time. Horizontal alignment of new road should match horizontal alignment of existing road.
6. (Optional for shoulder and alley paving, required for road paving) Design speed of the after construction segment.	Design speed for this segment is estimated to be 45 mph.

PART B2 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS	
7. Please describe the type of paving for the segment.	Type of pavement for this segment will be 3 inches of hot mix asphalt over 8 inches of aggregate base course over a prepared subgrade.
8. Non paving improvements to be included: (Choose All that Apply and Select Yes or No)	
Sidewalks	No
Fencing	No
Lighting	No
Curb & Gutter	No
Bicycle path or lane	No
Other	Describe:
9. Please describe the non paving improvements to be included in the segment.	There are no non-paving improvements to be included in this segment.
10. For roadway paving, please enter the number of unpaved access points (e.g. driveways, cross roads) to be paved by the project.	2
Maintenance	Segment 2
11. What is the anticipated life span of the paving (Years)?	10
12. When do you anticipate that major maintenance will be required for the improvement (Year)?	2027
PM-2.5 Paving Application Pinal Countyfor 'Paving of Dirt Roads'	

PROJECT COST ESTIMATE WORKSHEET

	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	\$ 15,000.00	\$ 15,000.00	Yes	\$ 14,145.00	\$ 855.00
	Design Cconcept Report (DCR)	LS	1	\$ 15,000.00	\$ 15,000.00	Yes	\$ 14,145.00	\$ 855.00
	Federal Project Environmental Determination	LS	1	\$ 15,000.00	\$ 15,000.00	Yes	\$ 14,145.00	\$ 855.00
	SUBTOTAL - PRELIMINARY ENGINEERING COSTS					\$ 45,000.00		\$ 42,435.00
FINAL DESIGN - Stages II, III, IV and PS&E	Plans, Specifications, Cost Estimates, Bidding	LS	1	\$ 90,000.00	\$ 90,000.00	Yes	\$ 84,870.00	\$ 5,130.00
	Geotechnical Report	LS	1	\$ 15,000.00	\$ 15,000.00	Yes	\$ 14,145.00	\$ 855.00
	Drainage Report	LS	1	\$ 15,000.00	\$ 15,000.00	Yes	\$ 14,145.00	\$ 855.00
	SWPPP	LS	1	\$ 3,000.00	\$ 3,000.00	Yes	\$ 2,829.00	\$ 171.00
	SUBTOTAL - FINAL DESIGN COSTS					\$ 123,000.00		\$ 115,989.00

Fuqua Rd from Barnes Rd to Lealand Rd 1.5 mile PROJECT COST ESTIMATE WORKSHEET PAVING

	ITEM DESCRIPTION	UNIT	TOTAL QUAN.	UNIT PRICE	TOTAL COST	Eligible for Federal Funds: Yes or No	FEDERAL SHARE	LOCAL SHARE	
CONSTRUCTION	Contractor Mobilization	LS	1	\$ 52,500.00	\$ 52,500.00	Yes	\$ 49,507.50	\$ 2,992.50	
	Construction Survey and Layout	LS	1	\$ 37,500.00	\$ 37,500.00	Yes	\$ 35,362.50	\$ 2,137.50	
	Tempoary Traffic Control	LS	1	\$ 30,000.00	\$ 30,000.00	Yes	\$ 28,290.00	\$ 1,710.00	
	Remove Existing Improvements	LS	1	\$ 7,500.00	\$ 7,500.00	Yes	\$ 7,072.50	\$ 427.50	
	Subgrade Preparation	SY	30,000	\$ 2.50	\$ 75,000.00	Yes	\$ 70,725.00	\$ 4,275.00	
	8" ABC Class 2 ADOT Spec Sec 303	Ton	13,432	\$ 20.00	\$ 268,640.00	Yes	\$ 253,327.52	\$ 15,312.48	
	3" Asphalt Concrete (Misc Structural)	Ton	2,493	\$ 80.00	\$ 199,440.00	Yes	\$ 188,071.92	\$ 11,368.08	
	SUBTOTAL - CONSTRUCTION COST					\$ 670,580.00		\$ 632,356.94	\$ 38,223.06
	CONTINGENCY				10%	\$ 67,058.00	Yes	\$ 63,235.69	\$ 3,822.31
	ADOTCONSTRUCTION ADMINISTRATION				15%	\$ 100,587.00	Yes	\$ 94,853.54	\$ 5,733.46
SUBTOTAL - CONSTRUCTION COST					\$ 838,225.00		\$ 790,446.18	\$ 47,778.83	
SUMMARY OF FEDERAL AND NON-FEDERAL FUNDS	PRELIMINARY ENGINEERING				\$ 45,000.00	NA	\$ 42,435.00	\$ 2,565.00	
	FINAL DESIGN - Stages II, III, IV and PS&E				\$ 123,000.00	NA	\$ 115,989.00	\$ 7,011.00	
	CONSTRUCTION (Including ADOT Construction Administration)				\$ 838,225.00	NA	\$ 790,446.18	\$ 47,778.83	
	SUBTOTAL - PROJECT COST				\$ 1,006,225.00	NA	\$ 948,870.18	\$ 57,354.83	
	ADOT REVIEW FEE - Included with Estimate for Barnes segment)				\$ -	No	\$ -	\$ -	
	PROJECT TOALS (Including ADOT Review Fees)				\$ 1,006,225.00	NA	\$ 948,870.18	\$ 57,354.83	

**Barnes Rd (aka Kortsen Rd) from White & Parker Rd to Fuqua Rd 1.0 mile
PAVING PROJECT COST ESTIMATE WORKSHEET**

	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	\$ 10,000.00	\$ 10,000.00	Yes	\$ 9,430.00	\$ 570.00
	Design Cconcept Report (DCR)	LS	1	\$ 10,000.00	\$ 10,000.00	Yes	\$ 9,430.00	\$ 570.00
	Federal Project Environmental Determination	LS	1	\$ 10,000.00	\$ 10,000.00	Yes	\$ 9,430.00	\$ 570.00
	SUBTOTAL – PRELIMINARY ENGINEERING COSTS					\$ 30,000.00		\$ 28,290.00
FINAL DESIGN - Stages II, III, IV and PS&E	Plans, Specifications, Cost Estimates, Bidding	LS	1	\$ 60,000.00	\$ 60,000.00	Yes	\$ 56,580.00	\$ 3,420.00
	Geotechnical Report	LS	1	\$ 10,000.00	\$ 10,000.00	Yes	\$ 9,430.00	\$ 570.00
	Drainage Report	LS	1	\$ 10,000.00	\$ 10,000.00	Yes	\$ 9,430.00	\$ 570.00
	SWPPP	LS	1	\$ 2,000.00	\$ 2,000.00	Yes	\$ 1,886.00	\$ 114.00
	SUBTOTAL – FINAL DESIGN COSTS					\$ 82,000.00		\$ 77,326.00

**Barnes Rd (aka Kortsen Rd) from White & Parker Rd to Fuqua Rd 1.0 mile
PAVING PROJECT COST ESTIMATE WORKSHEET**

	ITEM DESCRIPTION	UNIT	TOTAL QUAN.	UNIT PRICE	TOTAL COST	Eligible for Federal Funds: Yes or No	FEDERAL SHARE	LOCAL SHARE	
CONSTRUCTION	Contractor Mobilization	LS	1	\$ 35,000.00	\$ 35,000.00	Yes	\$ 33,005.00	\$ 1,995.00	
	Construction Survey and Layout	LS	1	\$ 25,000.00	\$ 25,000.00	Yes	\$ 23,575.00	\$ 1,425.00	
	Tempoary Traffic Control	LS	1	\$ 20,000.00	\$ 20,000.00	Yes	\$ 18,860.00	\$ 1,140.00	
	Remove Existing Improvements	LS	1	\$ 5,000.00	\$ 5,000.00	Yes	\$ 4,715.00	\$ 285.00	
	Subgrade Preparation	SY	20,000	\$ 2.50	\$ 50,000.00	Yes	\$ 47,150.00	\$ 2,850.00	
	8" ABC Class 2 ADOT Spec Sec 303	Ton	8,955	\$ 20.00	\$ 179,100.00	Yes	\$ 168,891.30	\$ 10,208.70	
	3" Asphalt Concrete (Misc Structural)	Ton	1,662	\$ 80.00	\$ 132,960.00	Yes	\$ 125,381.28	\$ 7,578.72	
	SUBTOTAL - CONSTRUCTION COST					\$ 447,060.00		\$ 421,577.58	\$ 25,482.42
	CONTINGENCY				10%	\$ 44,706.00	Yes	\$ 42,157.76	\$ 2,548.24
	ADOTCONSTRUCTION ADMINISTRATION				15%	\$ 67,059.00	Yes	\$ 63,236.64	\$ 3,822.36
SUBTOTAL - CONSTRUCTION COST					\$ 558,825.00		\$ 526,971.98	\$ 31,853.03	
SUMMARY OF FEDERAL AND NON-FEDERAL FUNDS	PRELIMINARY ENGINEERING				\$ 30,000.00	NA	\$ 28,290.00	\$ 1,710.00	
	FINAL DESIGN - Stages II, III, IV and PS&E				\$ 82,000.00	NA	\$ 77,326.00	\$ 4,674.00	
	CONSTRUCTION (Including ADOT Construction Administration)				\$ 558,825.00	NA	\$ 526,971.98	\$ 31,853.03	
	SUBTOTAL - PROJECT COST				\$ 670,825.00	NA	\$ 632,587.98	\$ 38,237.03	
	ADOT REVIEW FEES (3% of Total Project Cost including all segments or \$30,000 which ever is higher)				\$ 45,282.12	No	\$ -	\$ 45,282.12	
	PROJECT TOALS (Including ADOT Review Fees)				\$ 716,107.12	NA	\$ 632,587.98	\$ 83,519.15	



When recorded return to:
Pinal County Board of Supervisors
P.O. Box 827
Florence, AZ 85132



**OFFICIAL RECORDS OF
PINAL COUNTY RECORDER**

DATE/TIME: 07/31/2012 1046
FEE: \$0.00
PAGES: 10
FEE NUMBER: 2012-065148



RESOLUTION NO. 072512-AD12-002

**RESOLUTION OF THE PINAL COUNTY BOARD OF SUPERVISORS
REVISING PINAL COUNTY'S UNIFORM STANDARD DETAILS AND
SPECIFICATIONS FOR NON-SUBDIVISION HIGHWAYS AS
DETAILED BELOW**

WHEREAS, the Pinal County Board of Supervisors (Board) pursuant to A.R.S. §11-251(4) is authorized to lay out, maintain, control and manage public roads within Pinal County; and

WHEREAS, the establishment of design and construction standards are part of that authority and essential for the health, safety and welfare of the general public traveling said roadways; and

WHEREAS, the Board recognizes the need to update design and construction standards for highways and roads outside subdivision boundaries.

THEREFORE, BE IT RESOLVED, that the Board rescind the L-1 Standard, L-1a Standard, L-2 Standard, A-1 Standard, A-2 Standard, C-1 Standard, C-2 Standard for non-subdivision local access roads as adopted by Resolution No. 93098-USDS and recorded in the Office of the County Recorder in Pinal County, Arizona, October 1, 1998, as Fee No. 1998-040518.

BE IT FURTHER RESOLVED; The Board hereby adopts new standards, which are attached hereto and made a part hereof, identified as Standard A-1 for Minor Arterial; Standard A-2 for Major Arterial; Standard C-1 for Minor Collector; Standard C-2 for Major Collector; Standard L-1 for Local Access Road (low volume); Standard L-1a for Local Access Road; Standard L-2 for Local Road; Standard L-0 for Local Country Lane Road and ARDP Standard for Local Road.

BE IT FURTHER RESOLVED, this Resolution shall be recorded in the Office of the County Recorder of Pinal County, Arizona.

BE IT FURTHER RESOLVED, this Resolution shall become effective thirty (30) days from it date of adoption.

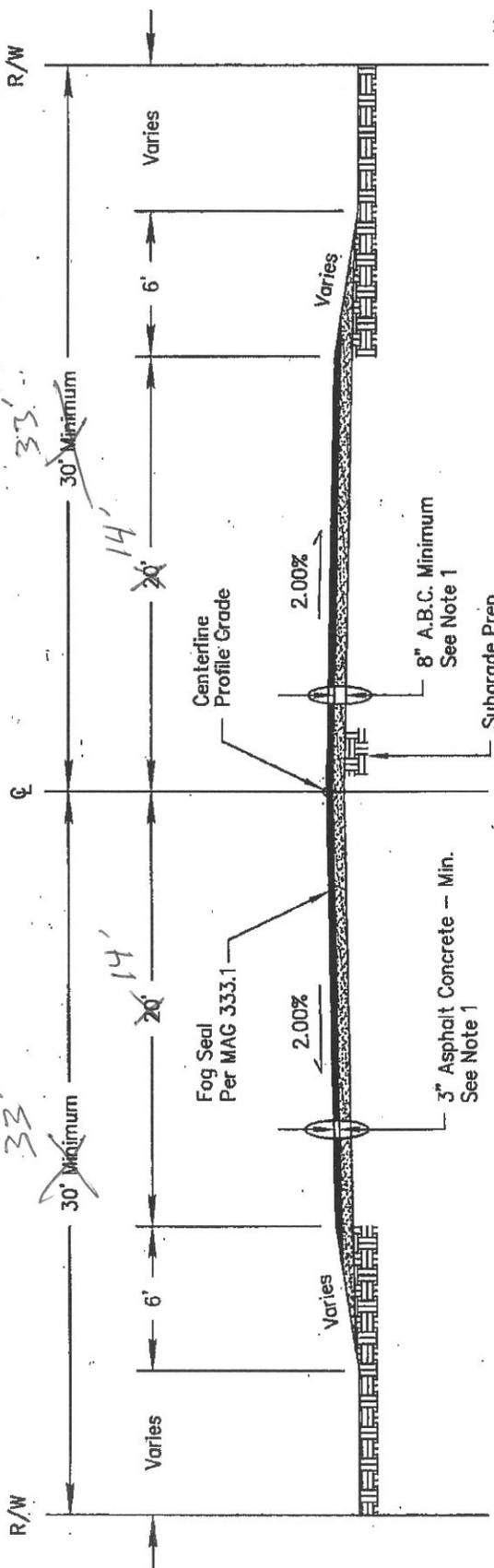
PASSED AND ADOPTED this 25th day of July 2012, by the
PINAL COUNTY BOARD OF SUPERVISORS.



David Snider
Chairman of the Board

ATTEST:

Shen Cluff
Clerk of the Board



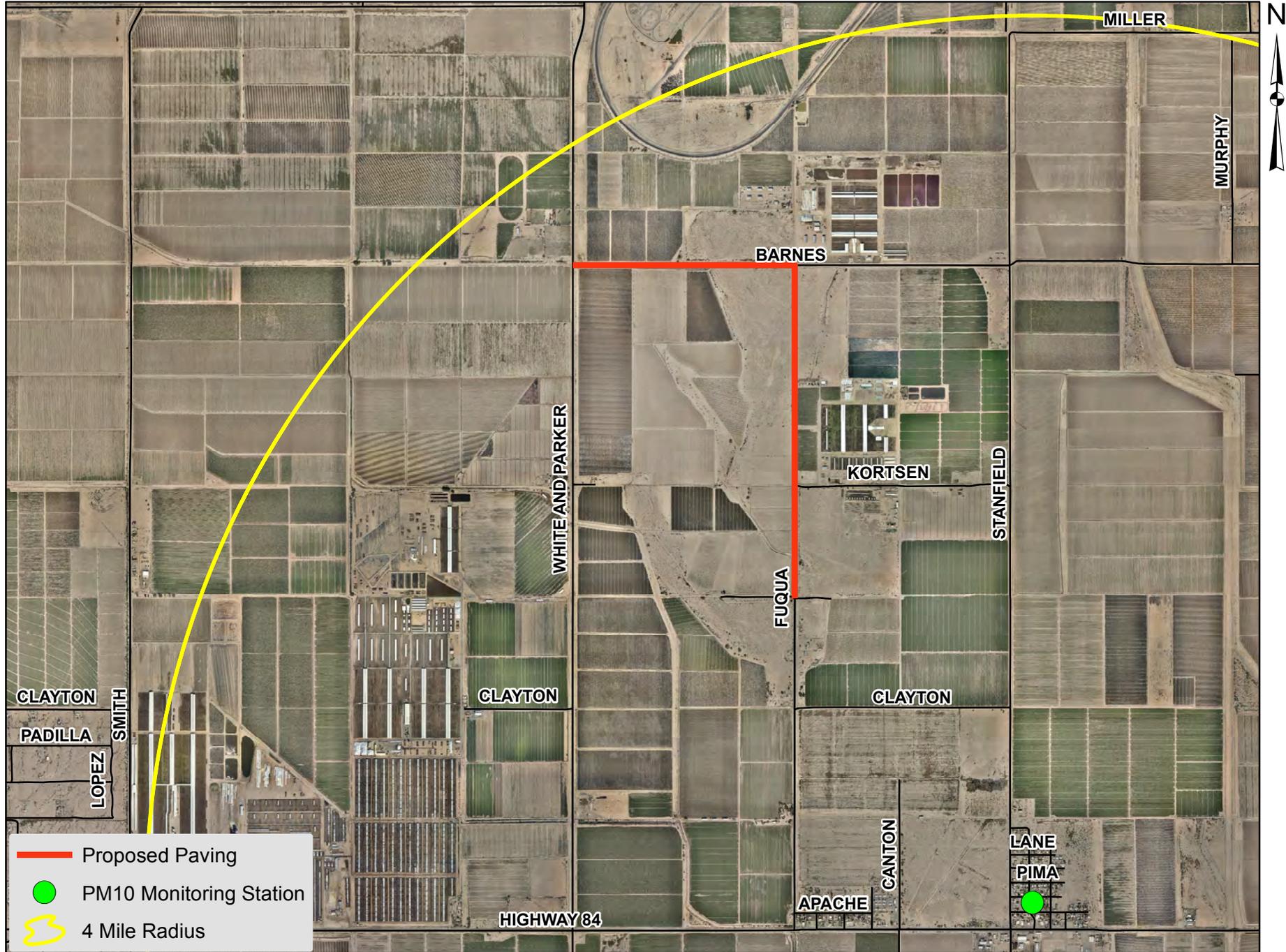
Note 1
The pavement section shown shall be considered a minimum unless an acceptable pavement design is submitted to, and approved by, the County Engineer.

Note 2
All materials and construction methods shall adhere to the Uniform Standard Specifications and Details for Public Works Construction, latest edition, as published by the Maricopa Association of Governments.

Non-Subdivision
Major Collector

Modified
Standard C-2

Site ID	CAAG ID	Area Group	File Name	Route	Location	Direction	Count Type	Start Date	Start Time	Avg Vol	Site Vol	AM PHR	AM PkVol	AM PHF	PM PHR	PM PkVol	PM PHF	Day Corr	Min Vol	Max Vol	Dir Split	Latitude	Longitude	Comments
221	CAAG-0080	Saddlebrooke	1001820	Saddlebrooke Blvd	Anywhere convenient E. of SR-77	EB/WB	VOL	4/20/2010	0:00	6120	6120	577	0.9428	13.30	555	0.9069	1.0000			54.6%	33.8249	-110.9241		
222	CAAG-0081	Saddlebrooke	1001821	Saddlebrooke Blvd	E. end of County control just W of Desert Bluff Dr	EB	VOL	4/20/2010	0:00	2711	1035	244	0.8243	12.30	262	0.8973	1.0000			45.4%	32.5362	-110.8894		
223	CAAG-0081	Saddlebrooke	1001822	Saddlebrooke Blvd	E. end of County control just W of Desert Bluff Dr	WB	VOL	4/20/2010	0:00	2556	1035	236	0.9516	12.30	202	0.8016	1.0000					32.5362	-110.8894	
224	CAAG-0074	San Manuel	1001823	Redington Rd	(Sample Site) About a 1/4 mile N. of McLab Pkwy	NB/SB	VOL	4/20/2010	0:00	3747	715	306	0.8207	15.30	306	0.8793	1.0000					32.6164	-110.6259	
225	11234	San Manuel	1001824	Redington Rd	About 0.2 miles S. of Ave G	NB/SB	VOL	4/20/2010	0:00	1274	1274	97	0.7578	15.45	108	0.7501	1.0000					32.6091	-110.6241	
226	11207	San Manuel	1001825	Redington Rd	About 0.2 miles S. of Main St.	NB/SB	VOL	4/20/2010	0:00	238	238	113	0.7857	13.30	28	0.8750	1.0000					32.5998	-110.6163	
227	11212	Superior	1001826	Main St	About 1 mile S. of SR-77	NB/SB	VOL	4/20/2010	0:00	2993	2993	715	0.8237	15.30	255	0.8854	1.0000					32.6526	-110.6796	
228	11214	Superior	1001827	Mary Dr	W. end of Main St. - N. of US-60	EB/WB	VOL	4/20/2010	0:00	1074	1074	105	0.9467	14.30	101	0.9018	1.0000					33.2874	-111.1124	
229	CAAG-0073	Superior	1001828	Ray Rd	Between Magna Flats and Palo Verde Dr S. of US-60	NB/SB	VOL	4/20/2010	0:00	2443	2443	915	0.7375	16.30	213	0.8462	1.0000					33.2833	-111.1170	
230	CAAG-0064	Western Pinal	1001830	Sunset Dr	Between Belmont Ave and South Ave W of SR-177	EB/WB	VOL	4/20/2010	0:00	2088	2088	600	0.8333	16.45	195	0.8553	1.0000					33.2820	-111.1014	
231	CAAG-0064	Western Pinal	1001831	Papago Rd	Just W. of Railroad Rd	EB/WB	VOL	4/13/2010	0:00	2762	2762	600	0.9033	16.30	243	0.8322	1.0000					32.8856	-112.1182	
232	CAAG-0071	Western Pinal	1001832	Ralston Rd	Just W. of Papago Rd	EB/WB	VOL	4/13/2010	0:00	1344	1344	1030	0.7832	15.00	126	0.7683	1.0000					32.8855	-112.0497	
233	CAAG-0071	Western Pinal	1001833	Stanfield Rd	Just W. of Papago Rd	NB/SB	VOL	4/13/2010	0:00	336	336	113	0.7071	12.45	81	0.7045	1.0000					32.8855	-112.1174	
234	11100	Western Pinal	1001834	Stanfield Rd	Nearly a mile S. of SR-84	NB/SB	VOL	4/13/2010	0:00	975	975	615	0.7500	12.45	63	0.8646	1.0000					32.8680	-111.9638	
235	11100	Western Pinal	1001835	Warren Rd	(unpaved) Just S. of SR-84	NB/SB	VOL	4/13/2010	0:00	164	164	915	0.8000	17.00	106	0.5714	1.0000					32.8537	-112.1326	
236	11269	Western Pinal	1001836	White And Parker Rd	About 0.3 miles N. of SR-84	NB/SB	VOL	4/13/2010	0:00	1208	1208	615	0.8519	15.45	113	0.9113	1.0000					32.8842	-111.9979	
237	11269	Western Pinal	1002046	White And Parker Rd	About 1 mile SE of White and Parker Rd	SE/NW	VOL	4/13/2010	0:00	5512	5512	387	0.9485	15.15	419	0.9437	1.0000					33.0209	-111.9900	
238	11258	Maricopa	1002047	White And Parker Rd	Just S. of Maricopa-Casa Grande Hwy	NB/SB	VOL	4/16/2010	0:00	1940	1940	615	0.8367	16.00	163	0.7409	1.0000					33.0219	-111.9967	
239	CAAG-0038	Maricopa	1002048	Hidden Valley Rd	Just S. of SR-238	NB/SB	VOL	4/29/2010	0:00	686	686	545	0.7667	15.45	60	0.7895	1.0000					33.0734	-112.0469	
240	CAAG-0059	Maricopa	1002049	Maricopa Casa Grande Hwy	Just W. of Phoenix	SE/NW	VOL	4/16/2010	0:00	16709	16709	745	0.9447	15.30	1300	0.9091	1.0000					33.0001	-111.9446	
241	CAAG-0064	Maricopa	1002050	Maricopa Casa Grande Hwy	Just N. of Phoenix	NB/SB	VOL	4/16/2010	0:00	1085	1085	615	0.9519	15.30	103	0.9166	1.0000					33.0001	-111.9446	
242	CAAG-0072	Maricopa	1002051	Ralston Rd	Just S. of SR-238	NB/SB	VOL	4/29/2010	0:00	1768	1768	630	0.8122	16.30	944	0.8516	1.0000					33.0724	-112.0413	
243	CAAG-0052	Maricopa	1002052	Smith Enke Rd	Just S. of SR-238	EB	VOL	4/29/2010	12:00	8355	8355	478	0.8618	12.15	573	0.7579	1.0000					33.0274	-112.0413	
244	CAAG-0092	Maricopa	1002053	White And Parker Rd	About 700 ft. E. of SR-347	WB	VOL	4/28/2010	0:00	1161	1161	630	0.948	16.15	101	0.7691	1.0000					33.0274	-112.0413	
245	CAAG-0110	Maricopa	1002054	White And Parker Rd	Just N. of Maricopa-Casa Grande Hwy	WB	VOL	4/28/2010	0:00	2798	2798	645	0.8625	16.45	198	0.8859	1.0000					33.0647	-112.0403	
246	MAR-002	Maricopa	1002055	Cobblestone Farms Dr	W. of SR-347	WB	VOL	4/28/2010	0:00	1734	1734	105	0.7955	16.30	192	0.8889	1.0000					33.0647	-112.0403	
247	MAR-003	Maricopa	1002056	Rancho Eldorado Pkwy	E. of SR-347	WB	VOL	4/28/2010	0:00	4635	4635	730	0.8214	16.45	532	0.9236	1.0000					33.0632	-112.0368	
248	MAR-006	Maricopa	1002057	Rancho Eldorado Pkwy	E. of SR-347	WB	VOL	4/28/2010	0:00	4421	4421	645	0.8808	16.15	260	0.8442	1.0000					33.0632	-112.0368	
249	MAR-006	Maricopa	1002058	SR-238	W. of SR-347	WB	VOL	4/28/2010	0:00	3975	3975	645	0.9214	12.15	255	0.9259	1.0000					33.0276	-112.0478	
250	MAR-008	Maricopa	1002059	Haystack Rd	W. of SR-347	EB/WB	VOL	4/28/2010	0:00	4888	4888	700	0.9417	12.15	321	0.9224	1.0000					33.0579	-112.0478	
251	MAR-012	Maricopa	1002060	Haystack Rd	W. of SR-347	EB/WB	VOL	4/28/2010	0:00	266	266	730	0.8629	16.30	35	0.6250	1.0000					33.0579	-112.0478	
252	MAR-012	Maricopa	1002061	Bowlin Rd	-0.1 mile W of SR-347	WB	VOL	4/29/2010	0:00	2148	2148	209	0.9676	14.15	172	0.7544	1.0000					33.0439	-112.0505	
253	MAR-014	Maricopa	1002062	Bowlin Rd	-0.1 mile W of SR-347	WB	VOL	4/29/2010	0:00	1900	1900	715	0.7900	15.00	201	0.7340	1.0000					33.0439	-112.0505	
254	MAR-014	Maricopa	1002063	Maricopa Casa Grande Hwy	-500 ft. SE of Stonegate Rd	EB	VOL	4/28/2010	0:00	1870	1870	166	0.9432	18.00	217	0.8750	1.0000					33.0389	-112.0192	
255	MAR-022	Maricopa	1002065	Edison Rd	-500 ft. SE of Stonegate Rd	EB/WB	VOL	4/29/2010	0:00	3774	3774	1115	0.8134	15.45	328	0.9111	1.0000					33.0389	-112.0192	
256	MAR-025	Maricopa	1002067	Porter Rd	W. of Porter Rd	EB/WB	VOL	4/28/2010	0:00	1859	1859	700	0.9013	17.00	190	0.7917	1.0000					33.0652	-112.0469	
257	MAR-027	Maricopa	1002068	White & Parker Rd	W. of Porter Rd	NB/SB	VOL	4/28/2010	0:00	6253	6253	730	0.8646	14.30	697	0.6627	1.0000					33.0652	-112.0469	
258	MAR-028	Maricopa	1002069	Murphy Rd	S. of Honeycutt Rd	NB/SB	VOL	4/28/2010	0:00	1182	1182	730	0.7670	14.30	772	0.6146	1.0000					33.0561	-112.0136	
259	MAR-029	Maricopa	1002070	Honeycutt Ave	S. of Honeycutt Rd	NB/SB	VOL	4/28/2010	0:00	964	964	700	0.8030	15.45	116	0.5273	1.0000					33.0561	-112.0136	
260	MAR-030	Maricopa	1002071	Porter Rd	N. of Chavira Pl	EB/WB	VOL	4/29/2010	0:00	6613	6613	615	0.8217	17.00	618	0.8631	1.0000					33.0530	-112.0497	
261	MAR-031	Maricopa	1002072	Porter Rd	N. of Maricopa-Casa Grande Hwy	NB	VOL	4/29/2010	0:00	2015	2015	730	0.7687	14.30	195	0.7500	1.0000					33.0344	-112.0142	
262	MAR-032	Maricopa	1002073	Ferrill Rd	N. of Maricopa-Casa Grande Hwy	SB	VOL	4/29/2010	0:00	1066	1066	715	0.8629	17.45	113	0.9113	1.0000					33.0344	-112.0142	
263	MAR-032	Maricopa	1002074	Ferrill Rd	E. of SR-347	EB	VOL	4/29/2010	0:00	1854	1854	169	0.8450	14.30	154	0.7857	1.0000					33.0291	-112.0458	
264	MAR-033	Maricopa	1002075	Honeycutt Rd	E. of Maricopa Groves Pkwy	EB	VOL	4/29/2010	0:00	4884	4884	645	0.7653	16.30	510	0.9444	1.0000					33.0579	-112.0348	
265	MAR-035	Maricopa	1002076	Bowlin Rd	E. of Maricopa Groves Pkwy	EB/WB	VOL	4/27/2010	0:00	573	573	615	0.8036	16.30	71	0.7717	1.0000					33.0435	-112.0458	
266	MAR-036	Maricopa	1002077	Hartman Rd	E. of Honeycutt Rd	EB/WB	VOL	4/27/2010	0:00	764	764	82	0.5694	16.45	66	0.6719	1.0000					33.0661	-111.9617	
267	MAR-036	Maricopa	1002078	Honeycutt Rd	E. of Dunican Dr	EB	VOL	4/26/2010	0:00	5545	5545	700	0.9175	16.45	560	0.6272	1.0000					33.0560	-112.0389	
268	MAR-036	Maricopa	1002079	White & Parker Rd	E. of Dunican Dr	WB	VOL	4/26/2010	0:00	5364	5364	609	0.7081	14.45	474	0.7695	1.0000					33.0560	-112.03	



Barnes and Fuqua Road Paving Project



SPEED
LIMIT
40

