

PM-10 PAVING UNPAVED ROAD PROJECT APPLICATION

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

General Instructions:

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

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

Deadlines and Transmittal Instructions:

Two copies of a printed, complete and signed application must be received in the MAG offices by **10:00 p.m. Wednesday, September 19, 2012**. And the application is to be submitted electronically. Detailed transmittal instructions are located in a separate tab in this excel sheet. Late applications will not be accepted.

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

<mailto:state@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 | Buckeye |
| 2. Name: | Woody Scoutten |
| 3. Phone: | 623.349.6204 |
| 4. E-Mail: | wscoutten@buckeyeaz.gov |
| 5. Mailing Address: | 530 East Monroe Avenue Buckeye, AZ 85326 |

Project Description

| | |
|---|---|
| 6. Please provide the Project Title. | Watson Road (650' north of Van Buren to McDowell) |
| 7. Please provide a general description of the project. | Paving an unpaved dirt road along Watson Road 0.4 miles north of I-10 (650' north of the Van Buren alignment) to the McDowell Road alignment. Total length of improvement is approximately 4,630 linear feet. |
| 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 | Hans Koppenhoefer |
| b. Date site visit completed | 9/8/2012 |
| c. Pictures of the site visit are required. | Please attach pictures with transmittal |

PM-10 PAVING UNPAVED ROAD PROJECT APPLICATION

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

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

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

PART B - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS

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

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

| Section 1 - Segment Description | Segment 1 |
|---|---|
| 1. Segment Location - Include segment beginning and ending limits | Watson (~650' north of Van Buren alignment) to McDowell/Watson |
| 2. Length and Curb Miles | |
| a. Length (Miles) of the segment | 0.88 |
| 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). | 1.76 |
| 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 | No |
| 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 suppresants or pallatives. |
| 7. Please describe traffic on the segment (e.g weekday percent truck, etc.). | Residential and 4 Wheel Drive Truck Traffic with trailers |
| 8. Current Average Traffic (ADT) | 437 |
| 9. Please describe methodology used to calculate ADT | 437 vehicles on September 16, 2012. Other data collected varied from 239 to 381 vehicles per day. |
| 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 |
| 11. Current ROW: (Choose All that Apply and select Yes or No) | |
| Agency owns all ROW Needed | No |
| 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. | |

PART B - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS

| | |
|---|--|
| 13. Current Utilities in or abutting the alignment: (Choose All that Apply and Select Yes or No) | |
| Canals & Drainage | Yes |
| Power Lines & Cables | No |
| Pipelines, Sewer and Water | No |
| Private Structures | No |
| Other | Describe: |
| None | Yes |
| 14. Please describe any utility conflicts that will need to be addressed. | No utility conflicts known as of the current time. |
| Section 2 - Proposed Improvements | Watson Road (650' north of Van Buren to McDowell) |
| 1. What is the type of paving project? (Choose all that Apply and Select Yes or No) | |
| Rural Road | Yes |
| Urban Road | No |
| Subdivision Street | No |
| Alley | No |
| Shoulders | No |
| Other | Describe: |
| 2. Please describe the work to be performed on the segment: | To pave 28' of pavement in addition to drainage improvements to reduce dust within the PM-10 Non Attainment Area. This should also improve air quality on current residents east of Watson Road including the existing Verrado Master Planned Community and the planned Sienna Hills Master Planned Community. |
| 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. | There is an existing large wash (Prospect Wash) that crosses this road alignment that will need to be addressed. This will modify the road alignment as the 100-year flow depth if the road was completed dipped would exceed normal design standards. |
| 5. (Optional for shoulder and alley paving, required for road paving) Please describe horizontal alignment changes. | Currently there is a 75' half street roadway easement on the east half of Watson along this segment. Pavement may need to be slightly shifted along this alignment. |
| 6. (Optional for shoulder and alley paving, required for road paving) Design speed of the after construction segment. | Currently the design speed is 15 mph and will be increased to 30 mph after pavement is installed. |
| 7. Please describe the type of paving for the segment. | The paving for this segment is expected to be the Town of Buckeye's collector street section which is 3" of A.C on 8" of A.B.C. |
| 8. Non paving improvements to be included: (Choose All that Apply and Select Yes or No) | |
| Sidewalks | No |
| Fencing | No |
| Lighting | No |
| Curb & Gutter | Yes |
| Bicycle path or lane | No |
| Other | Describe: |
| 9. Please describe the non paving improvements to be included in the segment. | Ribbon curb, drainage improvements including culvert crossing at Prospect wash and rip-rap for overland flows |
| 10. For roadway paving, please enter the number of unpaved access points (e.g. driveways, cross roads) to be paved by the project. | |

PART C - TOTAL PROJECT SCHEDULE AND BUDGET INCLUDING ALL SEGMENTS

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

Section 1 - Total Project Budget

| | | |
|---|-------------------|--|
| 1. Please attach a detailed cost estimate | (OPTIONAL) | |
| Cost Estimate for the Project Including ALL Segments | Cost | (Optional) Additional Notes |
| 2. PE and Final Design | \$ 215,000 | Should be able to further reduce costs as draft engineering plans have already been prepared. Will further value engineer drainage crossing and could directly contract with engineer who did plans before to save additional money. |
| 3. Right of way | \$ 77,000 | |
| 4. Utilities | \$ - | |
| 5. Construction | \$ 1,022,833 | |
| 6. Contingency | \$ 26,297 | |
| 7. Total Cost w/o ADOT Review Fee | \$ 1,314,833.33 | |
| 8. ADOT Review Fee | \$ 26,296.67 | Required ADOT review fee. The fee is calculated as \$20,000 or 2% of project cost, which ever is higher. |
| 9. Total Cost with ADOT Review Fee | \$ 1,341,130.00 | Summation of Cost Cells |

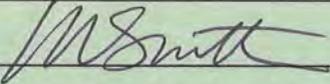
Agency Programming

| | |
|---|--|
| 10. Please describe the programming of the project in the agency's own CIP/TIP. | This project has been shown in the Town of Buckeye CIP adopted on June 5, 2012 as "Watson Road (BLM Park Access)". |
|---|--|

| Requested MAG Programming | Year (Choose One) | Local Funding Source | Local Cost | CMAQ COST | Total Cost |
|--------------------------------|-------------------|----------------------|------------|-----------|------------|
| 11. Design | 2013 | Town of Buckeye | 215,000 | 0 | 215,000 |
| 12. Right of way and Utilities | 2014 | Town of Buckeye | 77,000 | 0 | 77,000 |
| 13. Construction | 2015 | Town of Buckeye | 84,598 | 964,532 | 1,049,130 |
| | | | 376,598 | 964,532 | 1,341,130 |

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: Woody Scoutten, P.E.

Title: Town Engineer

Date: 9-18-12

Checklist - OPTIONAL

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

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

PM-10 PAVING PROJECTS 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 | No | \$ - | \$ 15,000.00 |
| | Design Cconcept Report (DCR) | LS | 1 | \$ 15,000.00 | | No | \$ - | \$ - |
| | Federal Project Environmental Determination | LS | 1 | \$ 30,000.00 | \$ 30,000.00 | No | \$ - | \$ 30,000.00 |
| | HAZMAT Assessment | LS | 1 | \$ 20,000.00 | \$ 20,000.00 | No | \$ - | \$ 20,000.00 |
| | SUBTOTAL – PRELIMINARY ENGINEERING COSTS | | | | | \$ 65,000.00 | | \$ - |
| FINAL DESIGN - Stages II, III, IV and PS&E | Plans, Specifications, Cost Estimates, Bidding | LS | 1 | \$ 120,000.00 | \$ 120,000.00 | No | \$ - | \$ 120,000.00 |
| | Geotechnical Report | LS | 1 | \$ 15,000.00 | \$ 15,000.00 | No | \$ - | \$ 15,000.00 |
| | Drainage Report | LS | 1 | \$ 12,000.00 | \$ 12,000.00 | No | \$ - | \$ 12,000.00 |
| | SWPPP | LS | 1 | \$ 3,000.00 | \$ 3,000.00 | No | \$ - | \$ 3,000.00 |
| | SUBTOTAL – FINAL DESIGN COSTS | | | | | \$ 150,000.00 | | \$ - |
| RIGHT OF WAY ACQUISITION | Appasials and Title Reports | LS | 1 | \$ 12,000.00 | \$ 12,000.00 | No | \$ - | \$ 12,000.00 |
| | Road Right of Way | LS | 1 | \$ - | \$ - | No | \$ - | \$ - |
| | Temporary Construction Easements | LS | 1 | \$ - | \$ - | No | \$ - | \$ - |
| | Drainage Easement | LS | 1 | \$ 40,000.00 | \$ 40,000.00 | No | \$ - | \$ 40,000.00 |
| | 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 | \$ 15,000.00 | \$ 15,000.00 | No | \$ - | \$ 15,000.00 |
| | Building Demolotion | EA | | | \$ - | No | \$ - | \$ - |
| | Other Right of Way Expenses | EA | 1 | \$ 10,000.00 | \$ 10,000.00 | No | \$ - | \$ 10,000.00 |
| | Other Right of Way Expenses | | | | \$ - | No | \$ - | \$ - |
| | Other Right of Way Expenses | | | | \$ - | No | \$ - | \$ - |
| | SUBTOTAL – RIGHT OF WAY COSTS | | | | | \$ 77,000.00 | | \$ - |

PM-10 PAVING PROJECTS COST ESTIMATE WORKSHEET

| | ITEM DESCRIPTION | UNIT | TOTAL QUAN. | UNIT PRICE | TOTAL COST | Eligible for Federal Funds: Yes or No | FEDERAL SHARE | LOCAL SHARE |
|----------------------------|--|------|-------------|------------|------------|---------------------------------------|---------------|-------------|
| UTILITY RELOCATIONS | Relocate 69 kv (+) Poles | EA | 1 | | \$ - | No | \$ - | \$ - |
| | Relocate/Underground 12 kv lines | LF | | | \$ - | No | \$ - | \$ - |
| | Relocate/Underground Irrigation Canal | LF | | | \$ - | 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 | | | | | \$ - | | \$ - |

PM-10 PAVING PROJECTS COST ESTIMATE WORKSHEET

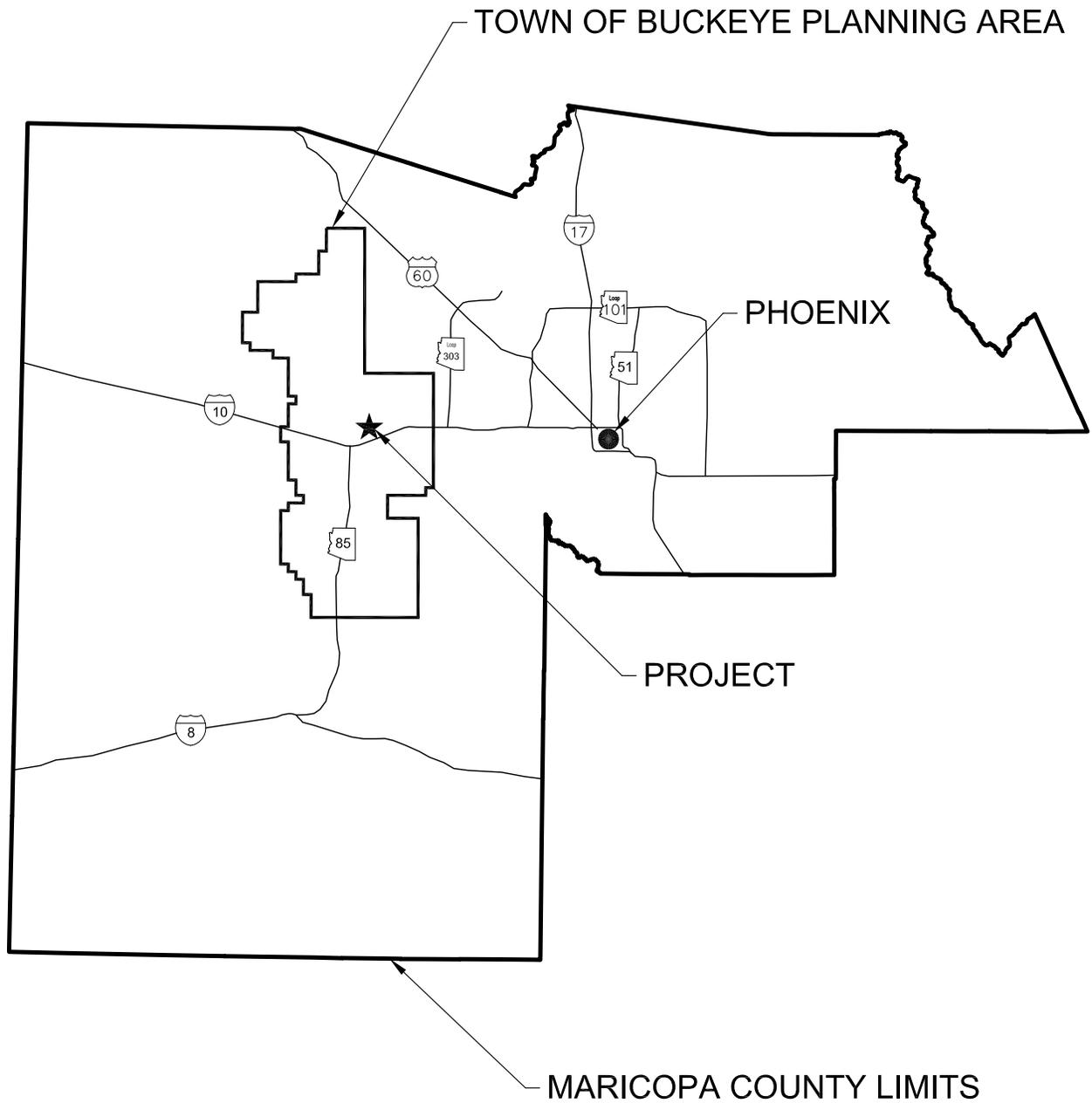
| | ITEM DESCRIPTION | UNIT | TOTAL QUAN. | UNIT PRICE | TOTAL COST | Eligible for Federal Funds: Yes or No | FEDERAL SHARE | LOCAL SHARE |
|------------------------|---|------|-------------|--------------|---------------|---------------------------------------|---------------|--------------|
| CONSTRUCTION | Contractor Mobilization | LS | 1 | \$ 15,000.00 | \$ 15,000.00 | Yes | \$ 14,145.00 | \$ 855.00 |
| | HAZMAT Abatement | LS | 1 | | \$ - | Yes | \$ - | \$ - |
| | Construction Survey and Layout | LS | 1 | \$ 18,000.00 | \$ 18,000.00 | Yes | \$ 16,974.00 | \$ 1,026.00 |
| | Tempoary Traffic Control | LS | 1 | \$ 5,000.00 | \$ 5,000.00 | Yes | \$ 4,715.00 | \$ 285.00 |
| | Remove Existing Improvements | LS | 1 | | \$ - | Yes | \$ - | \$ - |
| | Remove Curb and Gutter | LF | | | \$ - | Yes | \$ - | \$ - |
| | Remove Pavement | SY | | | \$ - | Yes | \$ - | \$ - |
| | Remove Driveway | SF | | | \$ - | Yes | \$ - | \$ - |
| | Remove Concrete Sidewalks, Slabs | SF | | | \$ - | Yes | \$ - | \$ - |
| | General Excavation | LS | 1 | \$ 30,000.00 | \$ 30,000.00 | Yes | \$ 28,290.00 | \$ 1,710.00 |
| | Drainage Excavation | LS | 1 | \$ 15,000.00 | \$ 15,000.00 | Yes | \$ 14,145.00 | \$ 855.00 |
| | Backfill/Borrow Material | LS | 1 | \$ 20,000.00 | \$ 20,000.00 | Yes | \$ 18,860.00 | \$ 1,140.00 |
| | AC Pavement including ABC Base | SY | 16,427 | \$ 25.00 | \$ 410,666.67 | Yes | \$ 387,258.67 | \$ 23,408.00 |
| | Concrete Pavement including ABC Base | SY | | | \$ - | Yes | \$ - | \$ - |
| | AC Mill and Overlay | SY | | | \$ - | Yes | \$ - | \$ - |
| | Curb and Gutter | LF | 10,560 | \$ 10.00 | \$ 105,600.00 | Yes | \$ 99,580.80 | \$ 6,019.20 |
| | Aggregate Base | SY | | | \$ - | Yes | \$ - | \$ - |
| | Concrete Driveways | SF | | | \$ - | Yes | \$ - | \$ - |
| | Colored Concrete | SF | | | \$ - | Yes | \$ - | \$ - |
| | Concrete Pavers | SF | | | \$ - | Yes | \$ - | \$ - |
| | Stamped Asphalt | SF | | | \$ - | Yes | \$ - | \$ - |
| | Stamped Concrete | SF | | | \$ - | Yes | \$ - | \$ - |
| | Concrete Sidewalk | SF | | | \$ - | Yes | \$ - | \$ - |
| | Pedestrian ADA Ramps | EA | | | \$ - | Yes | \$ - | \$ - |
| | Bus Bay | EA | | | \$ - | Yes | \$ - | \$ - |
| | Bus Shelters | EA | | | \$ - | Yes | \$ - | \$ - |
| | Irrigation Pipeline | LF | | | \$ - | Yes | \$ - | \$ - |
| | Irrigation Canal relocation | LF | | | \$ - | Yes | \$ - | \$ - |
| | Irrigation Canal Culvert/Bridge Crossing | EA | | | \$ - | Yes | \$ - | \$ - |
| | Decorative Screen Walls | LF | | | \$ - | Yes | \$ - | \$ - |
| | Retaining Wall | SF | | | \$ - | Yes | \$ - | \$ - |
| | Electrical Service Connection | EA | | | \$ - | Yes | \$ - | \$ - |
| | Joint Trench Conduit, including City Spare | LF | | | \$ - | Yes | \$ - | \$ - |
| | Traffic Signal Intertie | LF | | | \$ - | Yes | \$ - | \$ - |
| | Traffic Signal | EA | | | \$ - | Yes | \$ - | \$ - |
| | Temporary Traffic Signal | EA | | | \$ - | Yes | \$ - | \$ - |
| | Traffic Signage and Markings | LS | | | \$ - | Yes | \$ - | \$ - |
| | Street Lighting including conduit and trenching | EA | | | \$ - | Yes | \$ - | \$ - |
| | Pedestrian Lighting including conduit and trenching | EA | | | \$ - | Yes | \$ - | \$ - |
| | Handrail | LF | | | \$ - | Yes | \$ - | \$ - |
| | Utility Protection and Adjustments | LS | | | \$ - | Yes | \$ - | \$ - |
| | Adjust Water Valve | EA | | | \$ - | Yes | \$ - | \$ - |
| | Relocate Fire Hydrant | EA | | | \$ - | Yes | \$ - | \$ - |
| | Adjuste Manholes | EA | | | \$ - | Yes | \$ - | \$ - |
| | Drainage Catchbasins and Scuppers | EA | | | \$ - | Yes | \$ - | \$ - |
| Storm Drain 48" | LF | | | \$ - | Yes | \$ - | \$ - | |
| Storm Drain 36" | LF | | | \$ - | Yes | \$ - | \$ - | |
| Storm Drain 24" | LF | | | \$ - | Yes | \$ - | \$ - | |
| Storm Drain 18" | LF | | | \$ - | Yes | \$ - | \$ - | |
| New Waterline 8" | LF | | | \$ - | Yes | \$ - | \$ - | |
| New Waterline 12" | LF | | | \$ - | Yes | \$ - | \$ - | |
| New Waterline 16" | LF | | | \$ - | Yes | \$ - | \$ - | |
| New Sanitary Sewer 8" | LF | | | \$ - | Yes | \$ - | \$ - | |
| New Sanitary Sewer 12" | LF | | | \$ - | Yes | \$ - | \$ - | |

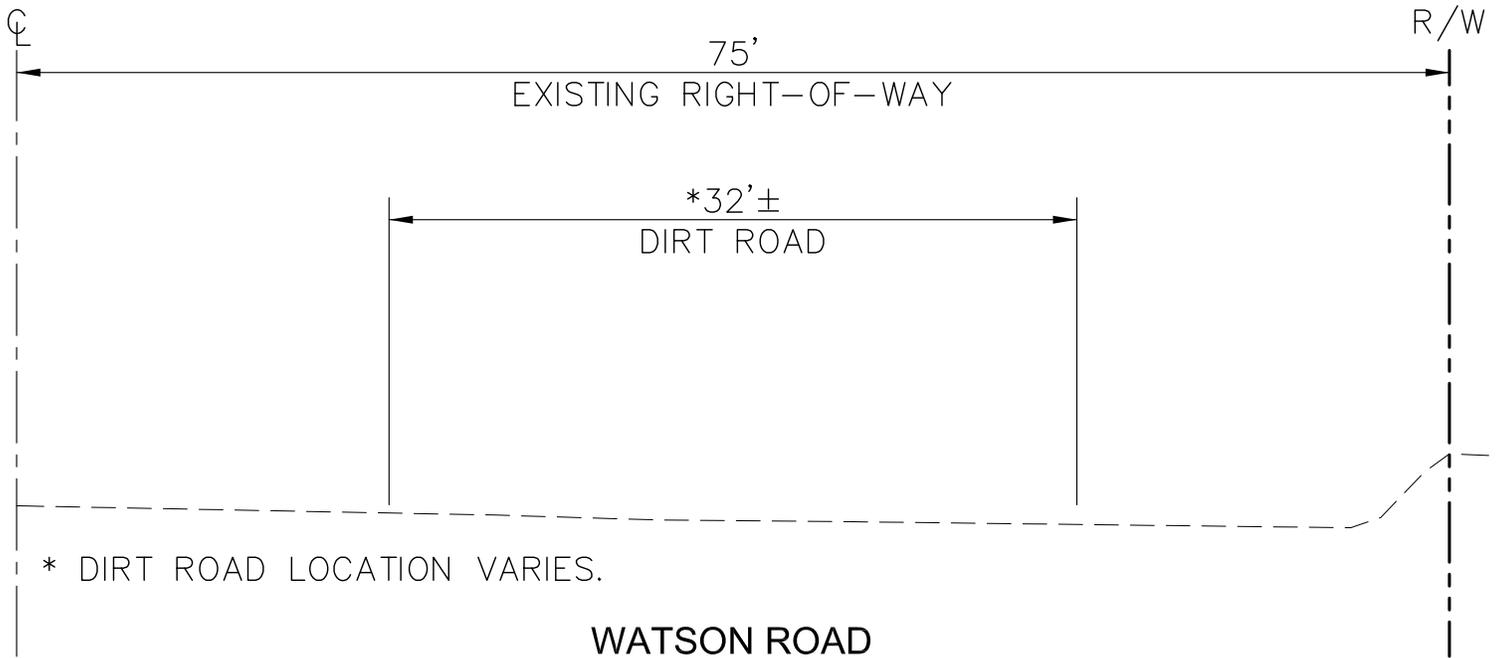
PM-10 PAVING PROJECTS COST ESTIMATE WORKSHEET

| ITEM DESCRIPTION | UNIT | TOTAL QUAN. | UNIT PRICE | TOTAL COST | Eligible for Federal Funds: Yes or No | FEDERAL SHARE | LOCAL SHARE |
|--|------|-------------|---------------|------------------------|---------------------------------------|----------------------|---------------------|
| Trees (36" box) | EA | | | \$ - | Yes | \$ - | \$ - |
| Tree Grates | EA | | | \$ - | Yes | \$ - | \$ - |
| Trees (24" box) | EA | | | \$ - | Yes | \$ - | \$ - |
| Shrubs (5 gallon) | EA | | | \$ - | Yes | \$ - | \$ - |
| Shrubs (1 gallon) | EA | | | \$ - | Yes | \$ - | \$ - |
| Cactus (5 gallon) | EA | | | \$ - | Yes | \$ - | \$ - |
| Decomposed Granite | SY | | | \$ - | Yes | \$ - | \$ - |
| Topsoil | SY | | | \$ - | Yes | \$ - | \$ - |
| Seeding | Acre | | | \$ - | Yes | \$ - | \$ - |
| Sod | SY | | | \$ - | Yes | \$ - | \$ - |
| Boulders | EA | | | \$ - | Yes | \$ - | \$ - |
| Irrigation System - Drip | LS | | | \$ - | Yes | \$ - | \$ - |
| Irrigation System - Turf | LS | | | \$ - | Yes | \$ - | \$ - |
| Irrigation Booster Pump | EA | | | \$ - | Yes | \$ - | \$ - |
| Landscape Header Curb | LF | | | \$ - | Yes | \$ - | \$ - |
| Landscape Establishment | LS | | | \$ - | Yes | \$ - | \$ - |
| Benches/Seatwalls | EA | | | \$ - | Yes | \$ - | \$ - |
| Bike Racks | EA | | | \$ - | Yes | \$ - | \$ - |
| Trash Receptacles | EA | | | \$ - | Yes | \$ - | \$ - |
| Drinking Fountains | EA | | | \$ - | Yes | \$ - | \$ - |
| Four (4) barrel 4'x10' box culvert | LF | 150 | \$ 500.00 | \$ 75,000.00 | Yes | \$ 70,725.00 | \$ 4,275.00 |
| ADOT Headwalls | EA | 2 | \$ 5,000.00 | \$ 10,000.00 | Yes | \$ 9,430.00 | \$ 570.00 |
| Rip-Rap | SY | 2,000 | \$ 20.00 | \$ 40,000.00 | Yes | \$ 37,720.00 | \$ 2,280.00 |
| Misc Soft Costs (As-Builts, Coordination, Permits, etc.) | % | 10% | \$ 740,000.00 | \$ 74,000.00 | Yes | \$ 69,782.00 | \$ 4,218.00 |
| Place for entering an additional item #5 | | | | \$ - | Yes | \$ - | \$ - |
| Place for entering an additional item #20 | | | | \$ - | Yes | \$ - | \$ - |
| SUBTOTAL - CONSTRUCTION COST | | | | \$ 818,266.67 | | \$ 771,625.47 | \$ 46,641.20 |
| CONTINGENCY | | | 10% | \$ 81,826.67 | Yes | \$ 77,162.55 | \$ 4,664.12 |
| ADOTCONSTRUCTION ADMINISTRATION | | | 15% | \$ 122,740.00 | Yes | \$ 115,743.82 | \$ 6,996.18 |
| SUBTOTAL - CONSTRUCTION COST | | | | \$ 1,022,833.33 | | \$ 964,531.83 | \$ 58,301.50 |

PM-10 PAVING PROJECTS COST ESTIMATE WORKSHEET

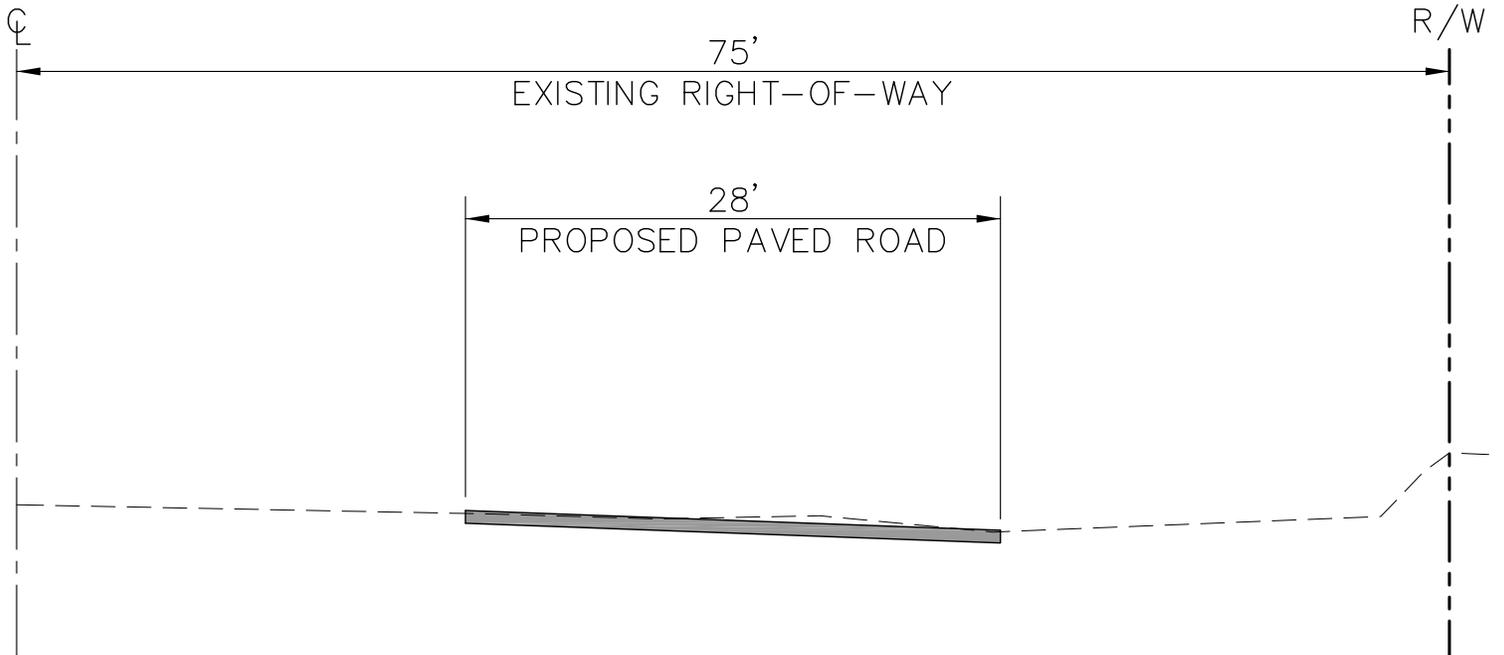
| | ITEM DESCRIPTION | UNIT | TOTAL QUAN. | UNIT PRICE | TOTAL COST | Eligible for Federal Funds: Yes or No | FEDERAL SHARE | LOCAL SHARE |
|---|---|------|-------------|------------|------------------------|---------------------------------------|----------------------|----------------------|
| SUMMARY OF FEDERAL AND NON-FEDERAL FUNDS | PRELIMINARY ENGINEERING | | | | \$ 65,000.00 | NA | \$ - | \$ 65,000.00 |
| | FINAL DESIGN - Stages II, III, IV and PS&E | | | | \$ 150,000.00 | NA | \$ - | \$ 150,000.00 |
| | RIGHT OF WAY ACQUISITION | | | | \$ 77,000.00 | NA | \$ - | \$ 77,000.00 |
| | UTILITY RELOCATIONS | | | | \$ - | NA | \$ - | \$ - |
| | CONSTRUCTION (Including ADOT Construction Administration) | | | | \$ 1,022,833.33 | NA | \$ 964,531.83 | \$ 58,301.50 |
| | SUBTOTAL - PROJECT COST | | | | \$ 1,314,833.33 | NA | \$ 964,531.83 | \$ 350,301.50 |
| | ADOT REVIEW FEES (The higher amount of 2% of Project Cost or \$20,000) | | | | \$ 26,296.67 | No | \$ - | \$ 26,296.67 |
| | PROJECT TOALS (Including ADOT Review Fees) | | | | \$ 1,341,130.00 | NA | \$ 964,531.83 | \$ 376,598.17 |





* DIRT ROAD LOCATION VARIES.

**WATSON ROAD
 EXISTING CROSS SECTION**



**WATSON ROAD
 PROPOSED CROSS SECTION**



WATSON ROAD PAVED DIRT ROAD (650' NORTH OF VAN BUREN STREET TO McDOWELL ROAD)

MATCH LINE SEE BELOW LEFT



MATCH LINE SEE ABOVE RIGHT







SPEED
LIMIT
15
NO-ON STREET
CONTROL











Maricopa County

Department of Transportation

2901 W. Durango St
Phoenix, AZ 85009
Phone: 602-506-8672
Fax: 602-506-4882
www.maricopa.gov

September 18, 2012

Woody Scoutten
Town of Buckeye
530 East Monroe Avenue
Buckeye, AZ 85326

Subject: Letter of Support for CMAQ projects.

Dear Mr. Scoutten,

On behalf of the Maricopa County Department of Transportation (MCDOT), support the Town of Buckeye in their MAG FY 2014 to FY 2018 Transportation Improvement Program CMAQ application for the following projects:

- Watson North of I-10 (PM-10 Paving)
- Rainbow Road (Bicycle and Pedestrian)
- Lower Buckeye Road (Bicycle and Pedestrian)

Please note that MCDOT's support is contingent to the Town's annexation of the project's roads and right-of-ways prior to the start of each project.

Sincerely,

A handwritten signature in blue ink, appearing to read "John B. Hauskins".

John B. Hauskins, P.E., Director
Maricopa County Department of Transportation