

EI Mirage - Unpaved Streets & Alleys
PART A - CONTACT AND PROJECT DESCRIPTION
(All Items are Required, Unless Identified as 'Optional')

Contact Information

| | |
|---------------------|----------------------------|
| 1. Agency Name | EI Mirage |
| 2. Name: | Chris Hauser |
| 3. Phone: | 623-876-2971 |
| 4. E-Mail: | chauser@cityofelmirage.org |
| 5. Mailing Address: | 12145 NW Grand Ave |
| | EI Mirage, AZ 85335 |
| | |

Project Description

| | |
|---|--|
| 6. Please provide the Project Title. | Unpaved Streets & Alleys |
| 7. Please provide a general description of the project. | Pave two unpaved street segments and four alleys |
| 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). | 6 |
| 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 | Chris Hauser |
| b. Date site visit completed | 9/11/2015 |
| c. Pictures of the site visit are required. | Please attach pictures with transmittal |

EI Mirage - Unpaved Streets & Alleys
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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.**

(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 EI Mirage for 'Unpaved Streets & Alleys'

EI Mirage - Unpaved Streets & Alleys
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 | Alley between A Street, Pablo Street, Thunderbird Road, and River Road |
| 2. Length and Curb Miles | |
| a. Length (Miles) of the segment | 0.1 |
| 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). | |
| 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, Dysart 40134010 |
| Link to PM1- Monitors Map on the MAG Website | |
| 6. Please describe the current surface condition of the shoulder, alley or road segment to be paved. Also is the surface graveled or use dust suppressants? | The surface is unkempt with gravel and dirt. Debris is accumulated in some areas. |
| 7. Please describe traffic on the segment (e.g. weekday percent truck, etc.). | less than 1% truck traffic, traffic is mostly residential with occasional trucks |
| 8. Current Average Traffic (ADT) | 50 |
| 9. Please describe methodology used to calculate ADT | data was extrapolated from the ADT of adjacent roads |

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10. Federal law requires that all federally funded projects comply with a federal environmental clearance. For projects that have a minimum ground disturbance, environmental surveys are required and an environmental document will need to be prepared, which typically requires 12 months to complete. In the box to the right, please describe any known cultural, historical and biological resources, hazardous materials or other environmental issues that could affect work on the segment.

none, the alley is existing and will require minimal disturbance

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11. Current ROW: (Choose All that Apply and select Yes or No)

Agency owns all ROW Needed

Yes

ROW to be acquired

No

Owners will donate ROW

No

Condemnation may be required

No

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

none

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

Canals & Drainage

No

Power Lines & Cables

Yes

Pipelines, Sewer and Water

Yes

Private Structures

No

Other (Describe)

None

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

valve adjustments will be required

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| Section 2 - Proposed Improvements | Segment 1 |
|---|---|
| 1. What is the type of paving project? (Choose all that Apply and Select Yes or No) | |
| Rural Road | No |
| Urban Road | No |
| Subdivision Street | No |
| Alley | Yes |
| Shoulders | Yes |
| Other (Describe) | |
| 2. Please describe the work to be performed on the segment: | pave 11' wide and place millings between the pavement and edge of alley |
| 3. Please provide a simple diagram of a typical cross section, including widths, of the segment that shows the proposed improvement(s) and the after construction right of way limits, sidewalks and shoulders (if any), and the lanes of travel. | |
| 4. (Optional for shoulder and alley paving, required for road paving) Please describe vertical alignment changes. | none |
| 5. (Optional for shoulder and alley paving, required for road paving) Please describe horizontal alignment changes. | none |
| 6. (Optional for shoulder and alley paving, required for road paving) Design speed of the after construction segment. | 15 mph |
| 7. Please describe the type of paving for the segment. | 2" AC on native, similar to other alley paving projects in the area |
| 8. Non paving improvements to be included: (Choose All that Apply and Select Yes or No) | |
| Sidewalks | No |
| Fencing | No |

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| | |
|---|----------|
| Lighting | No |
| Curb & Gutter | No |
| Bicycle Path or Lane | No |
| Other (Describe) | bollards |
| 9. Please describe the non paving improvements to be included in the segment | none |
| 10. For roadway paving, please enter the number of unpaved access points (e.g. driveways, cross roads) to be paved by the project | 0 |

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EI Mirage - Unpaved Streets & Alleys 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 | \$ 2,000.00 | \$ 2,000.00 | No | \$ - | \$ 2,000.00 |
| | Design Concept Report (DCR) | LS | 1 | | \$ - | No | \$ - | \$ - |
| | Federal Project Environmental Determination | LS | 1 | \$ 15,000.00 | \$ 15,000.00 | No | \$ - | \$ 15,000.00 |
| | HAZMAT Assessment | LS | 1 | \$ 1,000.00 | \$ 1,000.00 | No | \$ - | \$ 1,000.00 |
| SUBTOTAL - PRELIMINARY ENGINEERING COSTS | | | | | \$ 18,000.00 | | \$ - | \$ 18,000.00 |
| FINAL DESIGN - Stages II, III, IV and PS&E | Plans, Specifications, Cost Estimates, Bidding | LS | 1 | \$ 30,000.00 | \$ 30,000.00 | No | \$ - | \$ 30,000.00 |
| | Geotechnical Report | LS | 1 | \$ 5,000.00 | \$ 5,000.00 | No | \$ - | \$ 5,000.00 |
| | Drainage Report | LS | 1 | | \$ - | No | \$ - | \$ - |
| | SWPPP | LS | 1 | \$ 5,000.00 | \$ 5,000.00 | No | \$ - | \$ 5,000.00 |
| SUBTOTAL - FINAL DESIGN COSTS | | | | | \$ 40,000.00 | | \$ - | \$ 40,000.00 |
| RIGHT OF WAY ACQUISITION | Appraisals and Title Reports | LS | 1 | | \$ - | No | \$ - | \$ - |
| | Road Right of Way | LS | 1 | | \$ - | No | \$ - | \$ - |
| | Temporary Construction Easements | LS | 1 | | \$ - | No | \$ - | \$ - |
| | Drainage Easement | LS | 1 | | \$ - | No | \$ - | \$ - |
| | Utility Easements/Right of Way | LS | 1 | | \$ - | No | \$ - | \$ - |
| | Aerial Electrical Easement | LS | 1 | | \$ - | No | \$ - | \$ - |
| | Sign Relocations | LS | 1 | | \$ - | No | \$ - | \$ - |
| | Relocation Expenses | LS | 1 | | \$ - | No | \$ - | \$ - |
| | Site Environmental Assessments | EA | 1 | | \$ - | No | \$ - | \$ - |
| | Building Demolition | EA | 1 | | \$ - | No | \$ - | \$ - |
| | Other Right of Way Expenses | | 1 | | \$ - | No | \$ - | \$ - |
| | Other Right of Way Expenses | | 1 | | \$ - | No | \$ - | \$ - |
| | Other Right of Way Expenses | | 1 | | \$ - | No | \$ - | \$ - |
| SUBTOTAL - RIGHT OF WAY COSTS | | | | | \$ - | | \$ - | \$ - |
| UTILITY RELOCATIONS | Relocate 69 kv (+) Poles | EA | 1 | | \$ - | No | \$ - | \$ - |
| | Relocate/Underground 12 kv lines | LF | 1 | | \$ - | No | \$ - | \$ - |
| | Relocate/Underground Irrigation Canal | LF | 1 | | \$ - | No | \$ - | \$ - |
| | SWG Relocations | LS | 1 | | \$ - | No | \$ - | \$ - |
| | Telephone/Cable TV Relocations | LS | 1 | | \$ - | No | \$ - | \$ - |
| | Upgrade Railroad Crossings | LS | 1 | | \$ - | No | \$ - | \$ - |
| | Other Utilities | LS | 1 | | \$ - | No | \$ - | \$ - |
| | Other Utilities | LS | 1 | | \$ - | No | \$ - | \$ - |
| SUBTOTAL - UTILITY RELOCATION COSTS | | | | | \$ - | | \$ - | \$ - |
| CONSTRUCTION | Contractor Mobilization | LS | 1 | \$ 50,000.00 | \$ 50,000.00 | Yes | \$ 47,150.00 | \$ 2,850.00 |
| | HAZMAT Abatement | LS | 1 | | \$ - | Yes | \$ - | \$ - |
| | Construction Survey and Layout | LS | 1 | \$ 10,000.00 | \$ 10,000.00 | Yes | \$ 9,430.00 | \$ 570.00 |
| | Temporary Traffic Control | LS | 1 | \$ 13,187.00 | \$ 13,187.00 | Yes | \$ 12,435.34 | \$ 751.66 |
| | Remove Existing Improvements | LS | 1 | | \$ - | Yes | \$ - | \$ - |
| | Remove Curb and Gutter | LF | 1 | | \$ - | Yes | \$ - | \$ - |
| | Remove Pavement | SY | 1 | | \$ - | Yes | \$ - | \$ - |
| | Remove Driveway | SF | 1 | | \$ - | Yes | \$ - | \$ - |
| | Remove Concrete Sidewalks, Slabs | SF | 1 | | \$ - | Yes | \$ - | \$ - |
| | General Excavation | LS | 1 | \$ 35,000.00 | \$ 35,000.00 | Yes | \$ 33,005.00 | \$ 1,995.00 |
| | Drainage Excavation | LS | 1 | | \$ - | Yes | \$ - | \$ - |
| | Backfill/Borrow Material | LS | 1 | | \$ - | Yes | \$ - | \$ - |
| | AC Pavement including ABC Base | Ton | 2,000 | \$ 120.00 | \$ 240,000.00 | Yes | \$ 226,320.00 | \$ 13,680.00 |
| | Concrete Pavement including ABC Base | SY | 1 | | \$ - | Yes | \$ - | \$ - |
| | AC Mill and Overlay | SY | 1 | | \$ - | Yes | \$ - | \$ - |
| | Curb and Gutter | LF | 1 | | \$ - | Yes | \$ - | \$ - |
| | Aggregate Base | CY | 100 | \$ 70.00 | \$ 7,000.00 | Yes | \$ 6,601.00 | \$ 399.00 |
| | Concrete Driveways | SF | 1 | | \$ - | Yes | \$ - | \$ - |
| | Colored Concrete | SF | 1 | | \$ - | Yes | \$ - | \$ - |
| | Concrete Pavers | SF | 1 | | \$ - | Yes | \$ - | \$ - |
| | Stamped Asphalt | SY | 1 | | \$ - | Yes | \$ - | \$ - |
| | Stamped Concrete | SF | 1 | | \$ - | Yes | \$ - | \$ - |
| | Concrete Sidewalk | SF | 1 | | \$ - | Yes | \$ - | \$ - |
| | Pedestrian ADA Ramps | EA | 1 | | \$ - | Yes | \$ - | \$ - |
| | Bus Bay | EA | 1 | | \$ - | Yes | \$ - | \$ - |
| | Bus Shelters | EA | 1 | | \$ - | Yes | \$ - | \$ - |
| | Irrigation Pipeline | LF | 1 | | \$ - | Yes | \$ - | \$ - |
| | Irrigation Canal relocation | LF | 1 | | \$ - | Yes | \$ - | \$ - |
| | Irrigation Canal Culvert/Bridge Crossing | EA | 1 | | \$ - | Yes | \$ - | \$ - |
| | Decorative Screen Walls | LF | 1 | | \$ - | Yes | \$ - | \$ - |
| | Retaining Wall | SF | 1 | | \$ - | Yes | \$ - | \$ - |
| | Electrical Service Connection | EA | 1 | | \$ - | Yes | \$ - | \$ - |
| | Joint Trench Conduit, including City Spare | LF | 1 | | \$ - | Yes | \$ - | \$ - |
| | Traffic Signal Intertie | LF | 1 | | \$ - | Yes | \$ - | \$ - |
| | Traffic Signal | EA | 1 | | \$ - | Yes | \$ - | \$ - |
| | Temporary Traffic Signal | EA | 1 | | \$ - | Yes | \$ - | \$ - |
| | Traffic Signage and Markings | LS | 1 | | \$ - | Yes | \$ - | \$ - |
| | Street Lighting including conduit and trenching | EA | 1 | | \$ - | Yes | \$ - | \$ - |
| | Pedestrian Lighting including conduit and trenching | EA | 1 | | \$ - | Yes | \$ - | \$ - |
| | Handrail | LF | 1 | | \$ - | Yes | \$ - | \$ - |
| | Utility Protection and Adjustments | LS | 1 | | \$ - | Yes | \$ - | \$ - |
| | Adjust Water Valve | EA | 10 | \$ 250.00 | \$ 2,500.00 | Yes | \$ 2,357.50 | \$ 142.50 |
| | Relocate Fire Hydrant | EA | 1 | | \$ - | Yes | \$ - | \$ - |
| Adjusted Manholes | EA | 1 | | \$ - | Yes | \$ - | \$ - | |
| Drainage Catch basins and Scuppers | EA | 1 | | \$ - | Yes | \$ - | \$ - | |

EI Mirage - Unpaved Streets & Alleys PM-10 PAVING PROJECTS COST ESTIMATE WORKSHEET (All Items are Required, Unless Identified as 'Optional')

| | ITEM DESCRIPTION | UNIT | TOTAL QUAN. | UNIT PRICE | TOTAL COST | Eligible for Federal Funds: Yes or No | FEDERAL SHARE | LOCAL SHARE | |
|---|--|------|-------------|--------------|----------------------|---------------------------------------|----------------------|----------------------|---------------------|
| | Storm Drain 48" | LF | 1 | | \$ - | Yes | \$ - | \$ - | |
| | Storm Drain 36" | LF | 1 | | \$ - | Yes | \$ - | \$ - | |
| | Storm Drain 24" | LF | 1 | | \$ - | Yes | \$ - | \$ - | |
| | Storm Drain 18" | LF | 1 | | \$ - | Yes | \$ - | \$ - | |
| | New Waterline 8" | LF | 1 | | \$ - | Yes | \$ - | \$ - | |
| | New Waterline 12" | LF | 1 | | \$ - | Yes | \$ - | \$ - | |
| | New Waterline 16" | LF | 1 | | \$ - | Yes | \$ - | \$ - | |
| | New Sanitary Sewer 8" | LF | 1 | | \$ - | Yes | \$ - | \$ - | |
| | New Sanitary Sewer 12" | LF | 1 | | \$ - | Yes | \$ - | \$ - | |
| | Trees (36" box) | EA | 1 | | \$ - | Yes | \$ - | \$ - | |
| | Tree Grates | EA | 1 | | \$ - | Yes | \$ - | \$ - | |
| | Trees (24" box) | EA | 1 | | \$ - | Yes | \$ - | \$ - | |
| | Shrubs (5 gallon) | EA | 1 | | \$ - | Yes | \$ - | \$ - | |
| | Shrubs (1 gallon) | EA | 1 | | \$ - | Yes | \$ - | \$ - | |
| | Cactus (5 gallon) | EA | 1 | | \$ - | Yes | \$ - | \$ - | |
| | Decomposed Granite | SY | 1,650 | \$ 25.00 | \$ 41,250.00 | Yes | \$ 38,898.75 | \$ 2,351.25 | |
| | Topsoil | SY | 1 | | \$ - | Yes | \$ - | \$ - | |
| | Seeding | Acre | 1 | | \$ - | Yes | \$ - | \$ - | |
| | Sod | SY | 1 | | \$ - | Yes | \$ - | \$ - | |
| | Boulders | EA | 1 | | \$ - | Yes | \$ - | \$ - | |
| | Irrigation System - Drip | LS | 1 | | \$ - | Yes | \$ - | \$ - | |
| | Irrigation System - Turf | LS | 1 | | \$ - | Yes | \$ - | \$ - | |
| | Irrigation Booster Pump | EA | 1 | | \$ - | Yes | \$ - | \$ - | |
| | Landscape Header Curb | LF | 1 | | \$ - | Yes | \$ - | \$ - | |
| | Landscape Establishment | LS | 1 | | \$ - | Yes | \$ - | \$ - | |
| | Benches/Seatwalls | EA | 1 | | \$ - | Yes | \$ - | \$ - | |
| | Bike Racks | EA | 1 | | \$ - | Yes | \$ - | \$ - | |
| | Trash Receptacles | EA | 1 | | \$ - | Yes | \$ - | \$ - | |
| | Drinking Fountains | EA | 1 | | \$ - | Yes | \$ - | \$ - | |
| | Subgrade Preparation | SY | 1 | | \$ - | Yes | \$ - | \$ - | |
| | Erosion Control | LS | 1 | \$ 10,000.00 | \$ 10,000.00 | Yes | \$ 9,430.00 | \$ 570.00 | |
| | Utility Improvements | LS | 1 | | \$ - | Yes | \$ - | \$ - | |
| | Misc. Work | LS | 1 | | \$ - | Yes | \$ - | \$ - | |
| | | | 1 | | \$ - | Yes | \$ - | \$ - | |
| | | | 1 | | \$ - | Yes | \$ - | \$ - | |
| | Dust Palliative | LS | 1 | \$ 5,000.00 | \$ 5,000.00 | Yes | \$ 4,715.00 | \$ 285.00 | |
| | Maintenance Traffic | LS | 1 | | \$ - | Yes | \$ - | \$ - | |
| | | | 1 | | \$ - | Yes | \$ - | \$ - | |
| | | | 1 | | \$ - | Yes | \$ - | \$ - | |
| | | | 1 | | \$ - | Yes | \$ - | \$ - | |
| | | | 1 | | \$ - | Yes | \$ - | \$ - | |
| | | | 1 | | \$ - | Yes | \$ - | \$ - | |
| | | | 1 | | \$ - | Yes | \$ - | \$ - | |
| | | | 1 | | \$ - | Yes | \$ - | \$ - | |
| | | | 1 | | \$ - | Yes | \$ - | \$ - | |
| | | | 1 | | \$ - | Yes | \$ - | \$ - | |
| | | | 1 | | \$ - | Yes | \$ - | \$ - | |
| | | | 1 | | \$ - | Yes | \$ - | \$ - | |
| | Contingency | LS | 1 | | \$ - | Yes | \$ - | \$ - | |
| | SUBTOTAL - CONSTRUCTION COST | | | | | \$ 413,937.00 | | \$ 390,342.59 | \$ 23,594.41 |
| | CONTINGENCY | | | | 20% | \$ 82,787.40 | Yes | \$ 78,068.52 | \$ 4,718.88 |
| | CONSTRUCTION ADMINISTRATION (Assumes Certification Accepted Agencies have same costs as ADOT - 15%) | | | | 15% | \$ 62,090.55 | Yes | \$ 58,551.39 | \$ 3,539.16 |
| | SUBTOTAL - CONSTRUCTION COST | | | | | \$ 558,814.95 | | \$ 526,962.50 | \$ 31,852.45 |
| SUMMARY OF FEDERAL AND NON-FEDERAL FUNDS | PRELIMINARY ENGINEERING | | | | \$ 18,000.00 | NA | \$ - | \$ 18,000.00 | |
| | FINAL DESIGN - Stages II, III, IV and PS&E | | | | \$ 40,000.00 | NA | \$ - | \$ 40,000.00 | |
| | RIGHT OF WAY ACQUISITION | | | | \$ - | NA | \$ - | \$ - | |
| | UTILITY RELOCATIONS | | | | \$ - | NA | \$ - | \$ - | |
| | CONSTRUCTION (Including Construction Administration) | | | | \$ 558,814.95 | NA | \$ 526,962.50 | \$ 31,852.45 | |
| | SUBTOTAL - PROJECT COST | | | | \$ 616,814.95 | NA | \$ 526,962.50 | \$ 89,852.45 | |
| | 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) | | | | | \$ 646,814.95 | NA | \$ 526,962.50 | \$ 119,852.45 | |

PM-10 Paving Application from EI Mirage for 'Unpaved Streets & Alleys'

EI Mirage - Unpaved Streets & Alleys
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 | 58,000.00 | |
| 2. Right of way | 0.00 | |
| 3. Utilities | 0.00 | |
| 4. Construction | 558,814.95 | |
| 5. Total Cost w/o ADOT Review Fee | 616,814.95 | |
| 6. ADOT Review Fee | 30,000.00 | Required. Please see ADOT Fee Sheet for additional information. |
| 7. Total Cost with ADOT Review Fee | 646,814.95 | |

Agency Programming

| | |
|--|---|
| 8. Please describe the programming of the project in the agency's own CIP/TIP. | Annual Pavement Management is in the City's CIP |
|--|---|

| 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 | Pave Alley and Road | Pavement Management Funds | 58,000 | \$ - | \$ 58,000 | 100.0% |
| 10. Right of way (Optional) | | | | | \$ - | \$ - | |
| 11. Utilities (Optional) | | | | | \$ - | \$ - | |
| 12. Construction | 2018 | Pave Alley and Road | Pavement Management Funds | 31,852 | 526,963 | \$ 558,815 | 5.7% |
| | | | | \$ 89,852 | \$ 526,963 | \$ 616,815 | |

PM-10 Paving Application from EI Mirage for 'Unpaved Streets & Alleys'

**EI Mirage - Unpaved Streets & Alleys
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: Jorge Gastelum

Title: Director of Development and Community Services/City Engineer

Date: 9/21/2015

Checklist - OPTIONAL

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

| PART A - Contact, Project Description and Site Visit Fields | Complete? |
|--|------------------|
| Contact Information, fields 1 – 5 are complete | Yes |
| Project Description, fields 6, 7, 9 and 10 are complete | Yes |
| Project Description, field 8 – project map is provided in the printed application. Please attach a PDF file in the electronic submittal. | Yes |
| Site Visit Information, fields 11a and 11b | Yes |
| Site Visit Information, fields 11c Pictures attached. | Yes |
| PART B - Segment Description and Proposed Improvements Fields | Complete? |
| The number of complete Part B Segments match the number of segments listed in Part A, Field 9. | Yes |
| Segment Description, Section 1 | |
| Fields 1 - 2 are complete | Yes |
| Field 3 – segment alignment map is provided in the printed application. Please attach PDF file in the electronic submittal. | Yes |
| Field 4 attach PDF file in the electronic submittal. | Yes |
| Fields 5 – 14 are complete | Yes |
| Proposed Improvements, Section 2 | |
| Fields 1 – 2 are complete | Yes |
| Field 3 attach PDF file in the electronic submittal. | Yes |
| Fields 4 – 6 REQUIRED for Road and Street Segments and are complete. | Yes |
| Fields 4 – 6 OPTIONAL for shoulder and alley segments, please check box if complete. | Yes |
| Fields 7 – 10 are complete | Yes |
| PART C - Total Project Budget and TIP Programming Including All Segment Fields | |
| A cost estimate for PE has been developed (Rows 3-6) | 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 Programming Including All Segment Fields | Complete? |

**EI Mirage - Unpaved Streets & Alleys
PART D - SIGNATURE AND CHECKLIST**

| Requested MAG TIP Programming | |
|--|------------------|
| Field 8 - Agency CIP programming is completed | Yes |
| Fields 9 – Design Programming OPTIONAL | Yes |
| Fields 10 – Right of way Programming OPTIONAL | Yes |
| Fields 11 – Utilities Programming OPTIONAL | Yes |
| 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 EI Mirage for 'Unpaved Streets & Alleys'

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

| 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 |

EI Mirage - Unpaved Streets & Alleys
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 | Alley between Tanya Street, Main Street, River Road, and Soledad Street |
| 2. Length and Curb Miles | |
| a. Length (Miles) of the segment | 0.1 |
| 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). | 0 |
| 3. Please provide a map/graphic/photo that clearly shows the segment alignment and features that cross into or abut the alignment such as: washes, canals, railroad crossings, and other crossing features that may affect the project. | 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, Dysart 40134010 |
| Link to PM1- Monitors Map on the MAG Website | |
| 6. Please describe the current surface condition of the shoulder, alley or road segment to be paved. Also is the surface graveled or use dust suppresants? | The surface is unkempt with gravel and dirt. Debris is accumulated in some areas. |
| 7. Please describe traffic on the segment (e.g weekday percent truck, etc.). | less than 1% truck traffic, traffic is mostly residential with occasional trucks |
| 8. Current Average Traffic (ADT) | 50 |
| 9. Please describe methodology used to calculate ADT | data was extrapolated from the ADT of adjacent roads |

EI Mirage - Unpaved Streets & Alleys
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.

none, the alley is existing and will require minimal disturbance

EI Mirage - Unpaved Streets & Alleys
PART B2 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')

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

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

11. Current ROW: (Choose All that Apply and select Yes or No)

Agency owns all ROW Needed

Yes

ROW to be acquired

No

Owners will donate ROW

No

Condemnation may be required

No

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

none

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

Canals & Drainage

No

Power Lines & Cables

Yes

Pipelines, Sewer and Water

Yes

Private Structures

No

Other (Describe)

None

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

EI Mirage - Unpaved Streets & Alleys
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 | |
| Urban Road | |
| Subdivision Street | |
| Alley | Yes |
| Shoulders | Yes |
| Other (Describe) | |
| 2. Please describe the work to be performed on the segment: | pave 11' wide and place millings between the pavement and edge of alley |
| 3. Please provide a simple diagram of a typical cross section, including widths, of the segment that shows the proposed improvement(s) and the after construction right of way limits, sidewalks and shoulders (if any), and the lanes of travel. | |
| 4. (Optional for shoulder and alley paving, required for road paving) Please describe vertical alignment changes. | none |
| 5. (Optional for shoulder and alley paving, required for road paving) Please describe horizontal alignment changes. | none |
| 6. (Optional for shoulder and alley paving, required for road paving) Design speed of the after construction segment. | 15 mph |
| 7. Please describe the type of paving for the segment. | 2" AC on native, similar to other alley paving projects in the area |
| 8. Non paving improvements to be included: (Choose All that Apply and Select Yes or No) | |
| Sidewalks | No |
| Fensing | No |

El Mirage - Unpaved Streets & Alleys
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.

| | |
|---|----------|
| Lighting | No |
| Curb & Gutter | No |
| Bicycle Path or Lane | No |
| Other (Describe) | bollards |
| 9. Please describe the non paving improvements to be included in the segment | none |
| 10. For roadway paving, please enter the number of unpaved access points (e.g. driveways, cross roads) to be paved by the project | 0 |

PM-10 Paving Application from El Mirage for 'Unpaved Streets & Alleys'

EI Mirage - Unpaved Streets & Alleys
PART B3 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')

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

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

| Segment Description | Segment 3 |
|---|---|
| 1. Segment Location - Include segment beginning and ending limits | Alley between Soledad Street, Valentine Street, Tanya Street, and Main Street |
| 2. Length and Curb Miles | |
| a. Length (Miles) of the segment | 0.1 |
| 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). | |
| 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, Dysart 40134010 |
| Link to PM1- Monitors Map on the MAG Website | |
| 6. Please describe the current surface condition of the shoulder, alley or road segment to be paved. Also is the surface graveled or use dust suppresants? | The surface is unkempt with gravel and dirt. Debris is accumulated in some areas. |
| 7. Please describe traffic on the segment (e.g weekday percent truck, etc.). | less than 1% truck traffic, traffic is mostly residential with occasional trucks |
| 8. Current Average Traffic (ADT) | 50 |
| 9. Please describe methodology used to calculate ADT | data was extrapolated from the ADT of adjacent roads |

EI Mirage - Unpaved Streets & Alleys
PART B3 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')

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

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

10. Federal law requires that all federally funded projects comply with a federal environmental clearance. For projects that have a minimum ground disturbance, environmental surveys are required and an environmental document will need to be prepared, which typically requires 12 months to complete. In the box to the right, please describe any known cultural, historical and biological resources, hazardous materials or other environmental issues that could affect work on the segment.

none, the alley is existing and will require minimal disturbance

EI Mirage - Unpaved Streets & Alleys
PART B3 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')

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

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

11. Current ROW: (Choose All that Apply and select Yes or No)

| | |
|------------------------------|-----|
| Agency owns all ROW Needed | Yes |
| ROW to be acquired | No |
| Owners will donate ROW | No |
| Condemnation may be required | No |

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

none

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

| | |
|----------------------------|-----|
| Canals & Drainage | |
| 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.

none

EI Mirage - Unpaved Streets & Alleys
PART B3 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')

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

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Section 2 - Proposed Improvements

Segment 3

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

Rural Road

No

Urban Road

No

Subdivision Street

No

Alley

Yes

Shoulders

Yes

Other (Describe)

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

pave 11' wide and place millings between the pavement and edge of alley

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

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

none

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

none

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

15 mph

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

2" AC on native, similar to other alley paving projects in the area

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

Sidewalks

No

Fensing

No

EI Mirage - Unpaved Streets & Alleys
PART B3 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')

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

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| | |
|---|----------|
| Lighting | No |
| Curb & Gutter | No |
| Bicycle Path or Lane | No |
| Other (Describe) | bollards |
| 9. Please describe the non paving improvements to be included in the segment | none |
| 10. For roadway paving, please enter the number of unpaved access points (e.g. driveways, cross roads) to be paved by the project | 0 |

PM-10 Paving Application from EI Mirage for 'Unpaved Streets & Alleys'

EI Mirage - Unpaved Streets & Alleys
PART B4 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')

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

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

| Segment Description | Segment 4 |
|---|---|
| 1. Segment Location - Include segment beginning and ending limits | Alley between Main Street, Olive Street, and Ash Street |
| 2. Length and Curb Miles | |
| a. Length (Miles) of the segment | 0.1 |
| 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). | |
| 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, Dysart 40134010 |
| Link to PM1- Monitors Map on the MAG Website | |
| 6. Please describe the current surface condition of the shoulder, alley or road segment to be paved. Also is the surface graveled or use dust suppresants? | The surface is unkempt with gravel and dirt. Debris is accumulated in some areas. |
| 7. Please describe traffic on the segment (e.g weekday percent truck, etc.). | less than 1% truck traffic, traffic is mostly residential with occasional trucks |
| 8. Current Average Traffic (ADT) | 50 |
| 9. Please describe methodology used to calculate ADT | data was extrapolated from the ADT of adjacent roads |

EI Mirage - Unpaved Streets & Alleys
PART B4 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')

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

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10. Federal law requires that all federally funded projects comply with a federal environmental clearance. For projects that have a minimum ground disturbance, environmental surveys are required and an environmental document will need to be prepared, which typically requires 12 months to complete. In the box to the right, please describe any known cultural, historical and biological resources, hazardous materials or other environmental issues that could affect work on the segment.

none, the alley is existing and will require minimal disturbance

EI Mirage - Unpaved Streets & Alleys
PART B4 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')

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

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11. Current ROW: (Choose All that Apply and select Yes or No)

Agency owns all ROW Needed

Yes

ROW to be acquired

No

Owners will donate ROW

No

Condemnation may be required

No

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

none

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

Canals & Drainage

No

Power Lines & Cables

Yes

Pipelines, Sewer and Water

Yes

Private Structures

No

Other (Describe)

None

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

none

EI Mirage - Unpaved Streets & Alleys
PART B4 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')

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

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

| Section 2 - Proposed Improvements | Segment 4 |
|---|---|
| 1. What is the type of paving project? (Choose all that Apply and Select Yes or No) | |
| Rural Road | No |
| Urban Road | No |
| Subdivision Street | No |
| Alley | Yes |
| Shoulders | Yes |
| Other (Describe) | |
| 2. Please describe the work to be performed on the segment: | pave 11' wide and place millings between the pavement and edge of alley |
| 3. Please provide a simple diagram of a typical cross section, including widths, of the segment that shows the proposed improvement(s) and the after construction right of way limits, sidewalks and shoulders (if any), and the lanes of travel. | |
| 4. (Optional for shoulder and alley paving, required for road paving) Please describe vertical alignment changes. | none |
| 5. (Optional for shoulder and alley paving, required for road paving) Please describe horizontal alignment changes. | none |
| 6. (Optional for shoulder and alley paving, required for road paving) Design speed of the after construction segment. | 15 mph |
| 7. Please describe the type of paving for the segment. | 2" AC on native, similar to other alley paving projects in the area |
| 8. Non paving improvements to be included: (Choose All that Apply and Select Yes or No) | |
| Sidewalks | |
| Fensing | No |

El Mirage - Unpaved Streets & Alleys
PART B4 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')

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

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

| | |
|---|----------|
| Lighting | No |
| Curb & Gutter | No |
| Bicycle Path or Lane | No |
| Other (Describe) | bollards |
| 9. Please describe the non paving improvements to be included in the segment | none |
| 10. For roadway paving, please enter the number of unpaved access points (e.g. driveways, cross roads) to be paved by the project | 0 |

PM-10 Paving Application from El Mirage for 'Unpaved Streets & Alleys'

EI Mirage - Unpaved Streets & Alleys
PART B5 - 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 5 |
|---|---|
| 1. Segment Location - Include segment beginning and ending limits | Ash Street between Main Street and Olive Street |
| 2. Length and Curb Miles | |
| a. Length (Miles) of the segment | 0.1 |
| 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). | |
| 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, Dysart 40134010 |
| Link to PM1- Monitors Map on the MAG Website | |
| 6. Please describe the current surface condition of the shoulder, alley or road segment to be paved. Also is the surface graveled or use dust suppressants? | The existing surface is unravelling, it may have been paved at one time but the surface is similar to millings. |
| 7. Please describe traffic on the segment (e.g weekday percent truck, etc.). | industrial and residential |
| 8. Current Average Traffic (ADT) | ~20 |
| 9. Please describe methodology used to calculate ADT | data was extrapolated from the ADT of adjacent roads |

EI Mirage - Unpaved Streets & Alleys
PART B5 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')

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

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

10. Federal law requires that all federally funded projects comply with a federal environmental clearance. For projects that have a minimum ground disturbance, environmental surveys are required and an environmental document will need to be prepared, which typically requires 12 months to complete. In the box to the right, please describe any known cultural, historical and biological resources, hazardous materials or other environmental issues that could affect work on the segment.

none, the roadway is existing and will require minimal disturbance

EI Mirage - Unpaved Streets & Alleys
PART B5 - 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 | No |
| Pipelines, Sewer and Water | Yes |
| Private Structures | No |
| Other (Describe) | none |
| None | |

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

none

EI Mirage - Unpaved Streets & Alleys
PART B5 - 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 5 |
|---|---|
| 1. What is the type of paving project? (Choose all that Apply and Select Yes or No) | |
| Rural Road | |
| Urban Road | Yes |
| Subdivision Street | |
| Alley | |
| Shoulders | Yes |
| Other (Describe) | |
| 2. Please describe the work to be performed on the segment: | pave with an appropriate section with millings on the shoulders |
| 3. Please provide a simple diagram of a typical cross section, including widths, of the segment that shows the proposed improvement(s) and the after construction right of way limits, sidewalks and shoulders (if any), and the lanes of travel. | |
| 4. (Optional for shoulder and alley paving, required for road paving) Please describe vertical alignment changes. | none |
| 5. (Optional for shoulder and alley paving, required for road paving) Please describe horizontal alignment changes. | none |
| 6. (Optional for shoulder and alley paving, required for road paving) Design speed of the after construction segment. | 25 mph |
| 7. Please describe the type of paving for the segment. | 3" AC on 9" AB |
| 8. Non paving improvements to be included: (Choose All that Apply and Select Yes or No) | |
| Sidewalks | No |

EI Mirage - Unpaved Streets & Alleys
PART B5 - 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.

| | |
|---|------|
| Fensing | No |
| Lighting | No |
| Curb & Gutter | No |
| Bicycle Path or Lane | No |
| Other (Describe) | none |
| 9. Please describe the non paving improvements to be included in the segment | none |
| 10. For roadway paving, please enter the number of unpaved access points (e.g. driveways, cross roads) to be paved by the project | 0 |

PM-10 Paving Application from EI Mirage for 'Unpaved Streets & Alleys'

EI Mirage - Unpaved Streets & Alleys
PART B6 - 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 6 |
|---|---|
| 1. Segment Location - Include segment beginning and ending limits | Olive Street between Thunderbird Road and Ash Street |
| 2. Length and Curb Miles | |
| a. Length (Miles) of the segment | 0.1 |
| 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). | |
| 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, Dysart 40134010 |
| Link to PM1- Monitors Map on the MAG Website | |
| 6. Please describe the current surface condition of the shoulder, alley or road segment to be paved. Also is the surface graveled or use dust suppresants? | The existing surface is unravelling, it may have been paved at one time but the surface is similar to millings. |
| 7. Please describe traffic on the segment (e.g weekday percent truck, etc.). | industrial and residential |
| 8. Current Average Traffic (ADT) | ~20 |
| 9. Please describe methodology used to calculate ADT | data was extrapolated from the ADT of adjacent roads |

EI Mirage - Unpaved Streets & Alleys
PART B6 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')

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

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

10. Federal law requires that all federally funded projects comply with a federal environmental clearance. For projects that have a minimum ground disturbance, environmental surveys are required and an environmental document will need to be prepared, which typically requires 12 months to complete. In the box to the right, please describe any known cultural, historical and biological resources, hazardous materials or other environmental issues that could affect work on the segment.

none, the roadway is existing and will require minimal disturbance

EI Mirage - Unpaved Streets & Alleys
PART B6 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')

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

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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

No

Pipelines, Sewer and Water

Yes

Private Structures

No

Other (Describe)

none

None

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

none

EI Mirage - Unpaved Streets & Alleys
PART B6 - 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 6 | | | | | | | | | | | | |
|---|---|------------|----|------------|-----|--------------------|--|-------|--|-----------|-----|------------------|--|
| <p>1. What is the type of paving project? (Choose all that Apply and Select Yes or No)</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;">Rural Road</td> <td style="width: 50%;"></td> </tr> <tr> <td style="padding: 5px;">Urban Road</td> <td style="text-align: center;">Yes</td> </tr> <tr> <td style="padding: 5px;">Subdivision Street</td> <td></td> </tr> <tr> <td style="padding: 5px;">Alley</td> <td></td> </tr> <tr> <td style="padding: 5px;">Shoulders</td> <td style="text-align: center;">Yes</td> </tr> <tr> <td style="padding: 5px;">Other (Describe)</td> <td></td> </tr> </table> | | Rural Road | | Urban Road | Yes | Subdivision Street | | Alley | | Shoulders | Yes | Other (Describe) | |
| Rural Road | | | | | | | | | | | | | |
| Urban Road | Yes | | | | | | | | | | | | |
| Subdivision Street | | | | | | | | | | | | | |
| Alley | | | | | | | | | | | | | |
| Shoulders | Yes | | | | | | | | | | | | |
| Other (Describe) | | | | | | | | | | | | | |
| 2. Please describe the work to be performed on the segment: | pave with an appropriate section with millings on the shoulders | | | | | | | | | | | | |
| 3. Please provide a simple diagram of a typical cross section, including widths, of the segment that shows the proposed improvement(s) and the after construction right of way limits, sidewalks and shoulders (if any), and the lanes of travel. | | | | | | | | | | | | | |
| 4. (Optional for shoulder and alley paving, required for road paving) Please describe vertical alignment changes. | none | | | | | | | | | | | | |
| 5. (Optional for shoulder and alley paving, required for road paving) Please describe horizontal alignment changes. | none | | | | | | | | | | | | |
| 6. (Optional for shoulder and alley paving, required for road paving) Design speed of the after construction segment. | 25 mph | | | | | | | | | | | | |
| 7. Please describe the type of paving for the segment. | 3" AC on 9" AB | | | | | | | | | | | | |
| <p>8. Non paving improvements to be included: (Choose All that Apply and Select Yes or No)</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;">Sidewalks</td> <td style="width: 50%; text-align: center;">No</td> </tr> <tr> <td style="padding: 5px;">Fencing</td> <td style="text-align: center;">No</td> </tr> </table> | | Sidewalks | No | Fencing | No | | | | | | | | |
| Sidewalks | No | | | | | | | | | | | | |
| Fencing | No | | | | | | | | | | | | |

EI Mirage - Unpaved Streets & Alleys
PART B6 - 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.

| | |
|---|------|
| Lighting | No |
| Curb & Gutter | No |
| Bicycle Path or Lane | No |
| Other (Describe) | none |
| 9. Please describe the non paving improvements to be included in the segment | none |
| 10. For roadway paving, please enter the number of unpaved access points (e.g. driveways, cross roads) to be paved by the project | 0 |

PM-10 Paving Application from EI Mirage for 'Unpaved Streets & Alleys'

EI Mirage - Unpaved Streets & Alleys
PART B7 - 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 7 |
|---|---|
| 1. Segment Location - Include segment beginning and ending limits | |
| 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). | |
| 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? | |
| 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? | |
| 7. Please describe traffic on the segment (e.g weekday percent truck, etc.). | |
| 8. Current Average Traffic (ADT) | |
| 9. Please describe methodology used to calculate ADT | |

EI Mirage - Unpaved Streets & Alleys
PART B7 - 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.

EI Mirage - Unpaved Streets & Alleys
PART B7 - 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

ROW to be acquired

Owners will donate ROW

Condemnation may be required

| |
|--|
| |
| |
| |
| |

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

Power Lines & Cables

Pipelines, Sewer and Water

Private Structures

Other (Describe)

None

| |
|--|
| |
| |
| |
| |
| |
| |

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

| |
|--|
| |
|--|

EI Mirage - Unpaved Streets & Alleys
PART B7 - 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 7

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

Rural Road

Urban Road

Subdivision Street

Alley

Shoulders

Other (Describe)

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

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.

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

Sidewalks

Fencing

El Mirage - Unpaved Streets & Alleys
PART B7 - 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.

| | |
|---|--|
| Lighting | |
| Curb & Gutter | |
| Bicycle Path or Lane | |
| Other (Describe) | |
| 9. Please describe the non paving improvements to be included in the segment | |
| 10. For roadway paving, please enter the number of unpaved access points (e.g. driveways, cross roads) to be paved by the project | |

PM-10 Paving Application from El Mirage for 'Unpaved Streets & Alleys'

EI Mirage - Unpaved Streets & Alleys
PART B8 - 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 8 |
|---|---|
| 1. Segment Location - Include segment beginning and ending limits | |
| 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). | |
| | |
| 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? | |
| 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? | |
| 7. Please describe traffic on the segment (e.g weekday percent truck, etc.). | |
| 8. Current Average Traffic (ADT) | |
| 9. Please describe methodology used to calculate ADT | |

EI Mirage - Unpaved Streets & Alleys
PART B8 - 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.

EI Mirage - Unpaved Streets & Alleys
PART B8 - 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

ROW to be acquired

Owners will donate ROW

Condemnation may be required

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

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

Canals & Drainage

Power Lines & Cables

Pipelines, Sewer and Water

Private Structures

Other (Describe)

None

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

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EI Mirage - Unpaved Streets & Alleys
PART B8 - 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 8

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

Rural Road

Urban Road

Subdivision Street

Alley

Shoulders

Other (Describe)

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

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.

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

Sidewalks

Fensing

El Mirage - Unpaved Streets & Alleys
PART B8 - 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.

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| Lighting | |
| Curb & Gutter | |
| Bicycle Path or Lane | |
| Other (Describe) | |
| 9. Please describe the non paving improvements to be included in the segment | |
| 10. For roadway paving, please enter the number of unpaved access points (e.g. driveways, cross roads) to be paved by the project | |

PM-10 Paving Application from El Mirage for 'Unpaved Streets & Alleys'

EI Mirage - Unpaved Streets & Alleys
PART B9 - 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 9 |
|---|---|
| 1. Segment Location - Include segment beginning and ending limits | |
| 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). | |
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| 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? | |
| 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? | |
| 7. Please describe traffic on the segment (e.g weekday percent truck, etc.). | |
| 8. Current Average Traffic (ADT) | |
| 9. Please describe methodology used to calculate ADT | |

EI Mirage - Unpaved Streets & Alleys
PART B9 - 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.

EI Mirage - Unpaved Streets & Alleys
PART B9 - 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

ROW to be acquired

Owners will donate ROW

Condemnation may be required

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

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

Canals & Drainage

Power Lines & Cables

Pipelines, Sewer and Water

Private Structures

Other (Describe)

None

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

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EI Mirage - Unpaved Streets & Alleys
PART B9 - 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 9

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

Rural Road

Urban Road

Subdivision Street

Alley

Shoulders

Other (Describe)

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

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.

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

Sidewalks

Fensing

EI Mirage - Unpaved Streets & Alleys
PART B9 - 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.

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| Lighting | |
| Curb & Gutter | |
| Bicycle Path or Lane | |
| Other (Describe) | |
| 9. Please describe the non paving improvements to be included in the segment | |
| 10. For roadway paving, please enter the number of unpaved access points (e.g. driveways, cross roads) to be paved by the project | |

PM-10 Paving Application from EI Mirage for 'Unpaved Streets & Alleys'

EI Mirage - Unpaved Streets & Alleys
PART B10 - 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 10 |
|---|---|
| 1. Segment Location - Include segment beginning and ending limits | |
| 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). | |
| | |
| 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? | |
| 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? | |
| 7. Please describe traffic on the segment (e.g weekday percent truck, etc.). | |
| 8. Current Average Traffic (ADT) | |
| 9. Please describe methodology used to calculate ADT | |

EI Mirage - Unpaved Streets & Alleys
PART B10 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')

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

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10. Federal law requires that all federally funded projects comply with a federal environmental clearance. For projects that have a minimum ground disturbance, environmental surveys are required and an environmental document will need to be prepared, which typically requires 12 months to complete. In the box to the right, please describe any known cultural, historical and biological resources, hazardous materials or other environmental issues that could affect work on the segment.

EI Mirage - Unpaved Streets & Alleys
PART B10 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')

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

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11. Current ROW: (Choose All that Apply and select Yes or No)

Agency owns all ROW Needed

ROW to be acquired

Owners will donate ROW

Condemnation may be required

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

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

Canals & Drainage

Power Lines & Cables

Pipelines, Sewer and Water

Private Structures

Other (Describe)

None

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

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EI Mirage - Unpaved Streets & Alleys
PART B10 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')

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

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| Section 2 - Proposed Improvements | Segment 10 |
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1. What is the type of paving project? (Choose all that Apply and Select Yes or No)

Rural Road

Urban Road

Subdivision Street

Alley

Shoulders

Other (Describe)

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

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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.

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

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

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

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

Sidewalks

Fensing

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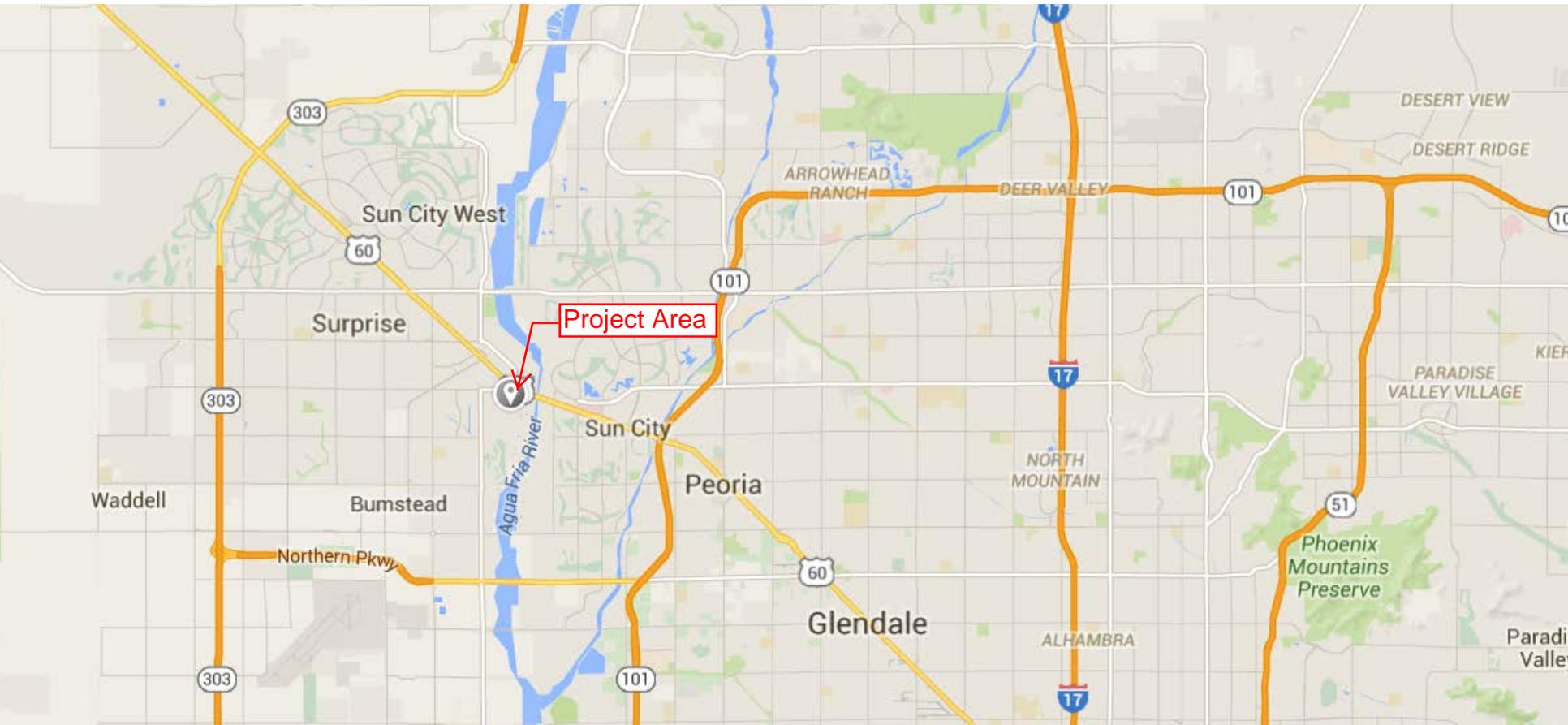
EI Mirage - Unpaved Streets & Alleys
PART B10 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')

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.

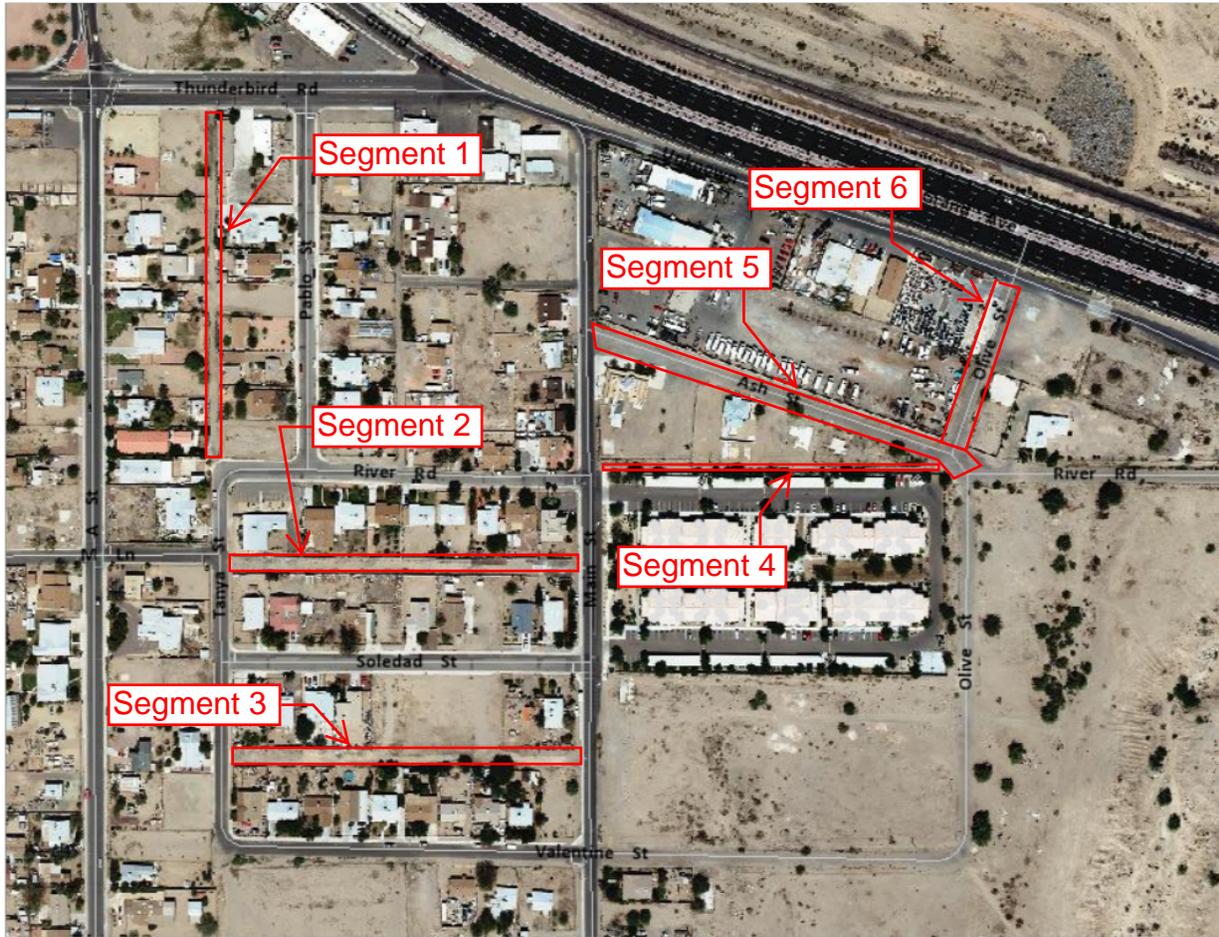
| | |
|---|--|
| Lighting | |
| Curb & Gutter | |
| Bicycle Path or Lane | |
| Other (Describe) | |
| 9. Please describe the non paving improvements to be included in the segment | |
| 10. For roadway paving, please enter the number of unpaved access points (e.g. driveways, cross roads) to be paved by the project | |

PM-10 Paving Application from EI Mirage for 'Unpaved Streets & Alleys'



City of El Mirage GIS

147° 18' 53.520" 33° 30' 35.650" Scale 1:3,872



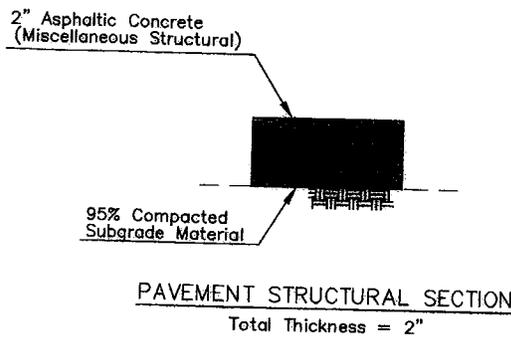
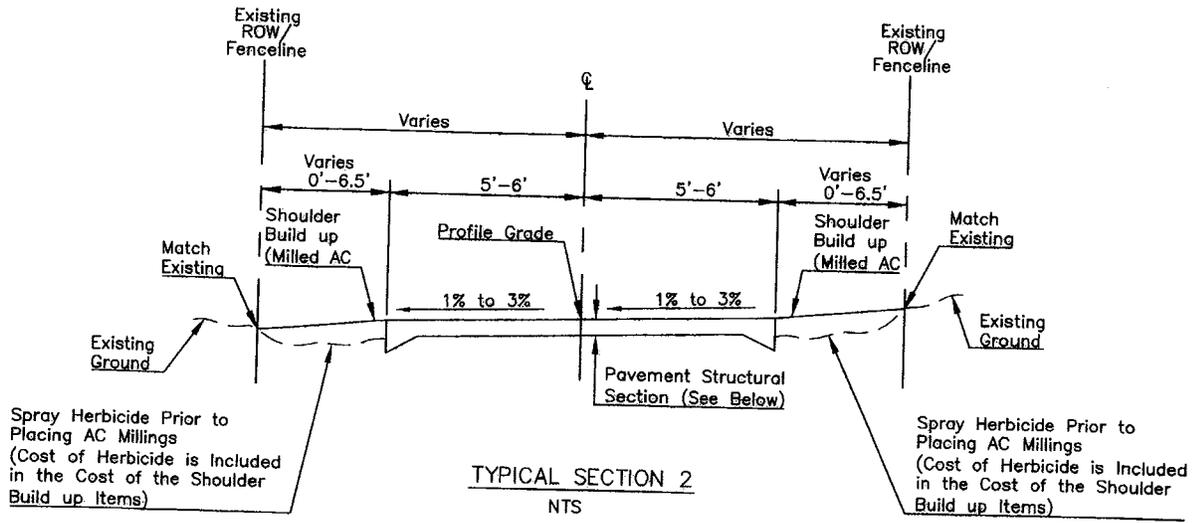
The City of El Mirage has made every reasonable effort to obtain and maintain this data as accurately as possible however, human or mechanical errors remain a possibility. The City of El Mirage assumes no responsibility arising from the use of this information.

City of El Mirage GIS

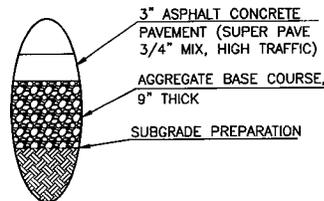
117° 18' 37.620" W 33° 36' 31.484" N Scale 1:1,000



The City of El Mirage has made every reasonable effort to obtain and maintain this data as accurately as possible however, human or mechanical errors remain a possibility. The City of El Mirage assumes no responsibility arising from the use of this information.



Segments 1-4



PAVEMENT STRUCTURAL SECTION D
TOTAL THICKNESS = 12"

Segments 5 & 6

Segment 1



Segment 2



Segment 3



Segment 4



Segment 5



Segment 6

