PAVING UNPAVED ROAD PROJECT APPLICATION

CMAQ Funding Available for Federal Fiscal Year 2021 and 2022

(Due Monday, September 25, 2017 by 10:00 AM)

General Instructions:

This excel form is to be used to request federal Congestion Mitigation and Air Quality (CMAQ) funding available through the Maricopa Association of Governments (MAG) for Paving Unpaved Road Projects to be included in the FY2018-2022 MAG Transportation Improvement Program. Approximately $5.5 and $4.5 million per year for paving in PM-10 nonattainment areas in FY 2021 and FY2022 respectively, and $784,610, and $797,992 respectiviley for paving in PM-2.5 nonattainment areas is available for programming in FY 2021 and FY 2022.

All items are required, except where they are marked as Optional. The application includes the following parts:

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

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

ADOT Review Fees: Details ADOT review fees
Map and Monitor Locations: Shows locations of monitors and areas where Federal funding is available

General Eligibility Requirements for Programming*

Projects requests must comply with the following requirements:

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

* Final eligibility for federal funding will be determined by the FHWA and ADOTprior to project authorization and will not include project features that fail to conform to applicable federal requirements.
**A public roadway is a roadway that is owned by a public agency that is passable by a standard passenger vehicle with four wheels and is open year round to the public without undo restrictions.

Funding Availability

All funding available through this application is federal Congestion Mitigation Air Quality (CMAQ) funding. The minimum local match for this funding is 5.7 percent of total project cost. Approximately $5.5 and $4.5 million per year for paving in PM-10 nonattainment areas in FY 2021 and FY2022 respectively, and $784,610, and $797,992 respectiviley for paving in PM-2.5 nonattainment areas is available for programming in FY 2021 and FY 2022.

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

Application Layout

The applications is divided into four work sheets as follows:

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

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

- ADOT Review Fees: Details ADOT review fees
- Map and Monitor Locations: Shows locations of monitors and areas where Federal funding is available

PAVING UNPAVED ROAD PROJECT APPLICATION
CMAQ Funding Available for Federal Fiscal Year 2021 and 2022
(Due Monday, September 25, 2017 by 10:00 AM)

Transmittal Instructions and Application Deadline

Application Submittal Requirements

All applications are due on **Monday, September 25, 2017 by 10:00 a.m.** Both an electronic and printed copy of the application and all attachments are required.

The electronic copy of the application includes the following:

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

The printed copy of the application includes the following:

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

MAG Mailing address

Electronic applications should be sent to the following address:

mailto: MAG Staff

Printed copies should be addressed as follows:

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

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

Application Workshops and Open Working Group Meeting Schedule*

Date	Time	Room	Event
Monday, August 21, 2017	10:00-Noon	Saguaro	Workshop on MAG Transportation Programming and Federal Fund Project Applications
Tuesday, September 12, 2017	10:00-11:00 AM	Chaparral	Open Working Group - Federal Fund Project Applications
Tuesday, September 19, 2017	11:00-Noon	Chaparral	Open Working Group - Federal Fund Project Applications

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

MAG CONTACT INFORMATION

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

Tempe - Mitchell Park/Clark Park Neighborhood Alley Stabilization Project
PART A - CONTACT AND PROJECT DESCRIPTION
(All Items are Required, Unless Identified as 'Optional')

Contact Information

1. Agency Name	Tempe
2. Name:	David Tavares
3. Phone:	480-350-2819
4. E-Mail:	david_tavares@tempe.gov
5. Mailing Address:	55 S Priest Drive Tempe Arizona 85281

Project Description

6. Please provide the Project Title.	Mitchell Park/Clark Park Neighborhood Alley Stabilization Project
7. Please provide a general description of the project.	Stabilize alleys located in the Mitchell Park and Clark Park neighborhoods in the City of Tempe..
8. Please attach a map showing the location(s) of the roadway(s), alley(s) or shoulder(s) to be paved.	**Please attach map with transmittal**
9. Please enter the number of **segments** to be included in the project (See definition of segments below).	2
10. Please review the 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	David Tavares
b. Date site visit completed	17-Sep-17
c. Pictures of the site visit are required.	**Please attach pictures with transmittal**

Tempe - Mitchell Park/Clark Park Neighborhood Alley Stabilization Project
PART A - CONTACT AND PROJECT DESCRIPTION
(All Items are Required, Unless Identified as 'Optional')

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

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

b. Discontinuous shoulder improvements along a continuous length of roadway with a fixed starting and ending limit that has a relatively uniform cross section.

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

(OPTIONAL)

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

GIS Submittal Instructions

PM-10 Paving Application from Tempe for 'Mitchell Park/Clark Park Neighborhood Alley Stabilization Project'

Tempe - Mitchell Park/Clark Park Neighborhood Alley Stabilization Project
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	Clark Park- Bounded by Broadway Road in the south; 13th Street in the north; Roosevelt Street to the east; and Hardy Drive to the west.
2. Length and Curb Miles	
a. Length (Miles) of the segment	2.1
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 within 4 miles of a PM-10 monitor? Which monitor?	Yes, 1.01 miles from Monitor 18
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?	Deteriorated surfaces along the project area and no dust control measures applied.
7. Please describe traffic on the segment (e.g. weekday percent truck, etc.).	0.01%
8. Current Average Traffic (ADT)	45
9. Please describe methodology used to calculate ADT	Estimates based anecdotal data from interviews with residents.

Tempe - Mitchell Park/Clark Park Neighborhood Alley Stabilization Project
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.

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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.	There are no known cultural, historical, and biological resources; hazardous materials or other environmental issues that could affect work on the segment.

Tempe - Mitchell Park/Clark Park Neighborhood Alley Stabilization Project
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.

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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.	

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	No
Private Structures	No
Other (Describe)	
None	

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

Tempe - Mitchell Park/Clark Park Neighborhood Alley Stabilization Project
PART B1 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')

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

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

Section 2 - Proposed Improvements	**Segment 1**
1. What is the type of paving project? (Choose all that Apply and Select Yes or No)	
Rural Road	
Urban Road	
Subdivision Street	
Alley	Yes
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.	No vertical change.
5. **(Optional for shoulder and alley paving, required for road paving)** Please describe horizontal alignment changes.	No Horizontal change.
6. **(Optional for shoulder and alley paving, required for road paving)** Design speed of the after construction segment.	No change in design speed
7. Please describe the type of paving for the segment.	Double rolled RAP.
8. Non paving improvements to be included: (Choose All that Apply and Select Yes or No)	
Sidewalks	No
Fensing	No

Tempe - Mitchell Park/Clark Park Neighborhood Alley Stabilization Project
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.

Lighting	No
Curb & Gutter	No
Bicycle Path or Lane	No
Other (Describe)	
9. Please describe the non paving improvements to be included in the segment	Resolve drainage issues brought about by the project, if necessary.
10. For roadway paving, please ener the number of unpaved access points (e.g. driveways, cross roads) to be paved by the project	

PM-10 Paving Application from Tempe for 'Mitchell Park/Clark Park Neighborhood Alley Stabilization Project'

Tempe - Mitchell Park/Clark Park Neighborhood Alley Stabilization Project
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	$ 5,000.00	$ 5,000.00	No	$ -	$ 5,000.00
	Design Concept Report (DCR)	LS	1	$ 3,000.00	$ 3,000.00	No	$ -	$ 3,000.00
	Federal Project Environmental Determination	LS	1	$ 7,500.00	$ 7,500.00	No	$ -	$ 7,500.00
	HAZMAT Assessment	LS	1	$ 3,000.00	$ 3,000.00	No	$ -	$ 3,000.00
	SUBTOTAL – PRELIMINARY ENGINEERING COSTS				**$ 18,500.00**		**$ -**	**$ 18,500.00**
FINAL DESIGN - Stages II, III, IV and PS&E	Plans, Specifications, Cost Estimates, Bidding	LS	1	$ 25,000.00	$ 25,000.00	No	$ -	$ 25,000.00
	Geotechnical Report	LS	1	$ 7,500.00	$ 7,500.00	No	$ -	$ 7,500.00
	Drainage Report	LS	1	$ 7,500.00	$ 7,500.00	No	$ -	$ 7,500.00
	SWPPP	LS	1	$ 5,000.00	$ 5,000.00	No	$ -	$ 5,000.00
	SUBTOTAL – FINAL DESIGN COSTS				**$ 45,000.00**		**$ -**	**$ 45,000.00**
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	$ 10,000.00	$ 10,000.00	No	$ -	$ 10,000.00
	Other Utilities	LS	1		$ -	No	$ -	$ -
	SUBTOTAL – UTILITY RELOCATION COSTS				**$ 10,000.00**		**$ -**	**$ 10,000.00**
CONSTRUCTION	Contractor Mobilization	LS	1	$ 25,000.00	$ 25,000.00	Yes	$ 23,575.00	$ 1,425.00
	HAZMAT Abatement	LS	1	$ -	$ -	Yes	$ -	$ -
	Construction Survey and Layout	LS	1	$ 25,000.00	$ 25,000.00	Yes	$ 23,575.00	$ 1,425.00
	Temporary Traffic Control	LS	1	$ -	$ -	Yes	$ -	$ -
	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	$ 80,000.00	$ 80,000.00	Yes	$ 75,440.00	$ 4,560.00
	Drainage Excavation	LS	1		$ -	Yes	$ -	$ -
	Backfill/Borrow Material	LS	1	$ 40,000.00	$ 40,000.00	Yes	$ 37,720.00	$ 2,280.00
	AC Pavement including ABC Base	Ton	1		$ -	Yes	$ -	$ -
	Concrete Pavement including ABC Base	SY	1		$ -	Yes	$ -	$ -
	AC Mill and Overlay	SY	1		$ -	Yes	$ -	$ -
	Curb and Gutter	LF	1		$ -	Yes	$ -	$ -
	Aggregate Base	CY	1		$ -	Yes	$ -	$ -
	Concrete Driveways	SF	1		$ -	Yes	$ -	$ -
	Colored Concrete	SF	1		$ -	Yes	$ -	$ -
	Concrete Pavers	SF	1		$ -	Yes	$ -	$ -
	Stamped Asphalt	SY	1		$ -	Yes	$ -	$ -
	Stamped Concrete	SF	1		$ -	Yes	$ -	$ -
	Concrete Sidewalk	SF	1		$ -	Yes	$ -	$ -
	Pedestrian ADA Ramps	EA	1		$ -	Yes	$ -	$ -
	Bus Bay	EA	1		$ -	Yes	$ -	$ -
	Bus Shelters	EA	1		$ -	Yes	$ -	$ -
	Irrigation Pipeline	LF	1		$ -	Yes	$ -	$ -
	Irrigation Canal relocation	LF	1		$ -	Yes	$ -	$ -
	Irrigation Canal Culvert/Bridge Crossing	EA	1		$ -	Yes	$ -	$ -
	Decorative Screen Walls	LF	1		$ -	Yes	$ -	$ -
	Retaining Wall	SF	1		$ -	Yes	$ -	$ -
	Electrical Service Connection	EA	1		$ -	Yes	$ -	$ -
	Joint Trench Conduit, including City Spare	LF	1		$ -	Yes	$ -	$ -
	Traffic Signal Intertie	LF	1		$ -	Yes	$ -	$ -
	Traffic Signal	EA	1		$ -	Yes	$ -	$ -
	Temporary Traffic Signal	EA	1		$ -	Yes	$ -	$ -
	Traffic Signage and Markings	LS	1		$ -	Yes	$ -	$ -
	Street Lighting including conduit and trenching	EA	1		$ -	Yes	$ -	$ -
	Pedestrian Lighting including conduit and trenching	EA	1		$ -	Yes	$ -	$ -
	Handrail	LF	1		$ -	Yes	$ -	$ -
	Utility Protection and Adjustments	LS	1		$ -	Yes	$ -	$ -
	Adjust Water Valve	EA	1		$ -	Yes	$ -	$ -
	Relocate Fire Hydrant	EA	1		$ -	Yes	$ -	$ -
	Adjusted Manholes	EA	1		$ -	Yes	$ -	$ -
	Drainage Catch basins and Scuppers	EA	1		$ -	Yes	$ -	$ -
	Storm Drain 48"	LF	1		$ -	Yes	$ -	$ -
	Storm Drain 36"	LF	1		$ -	Yes	$ -	$ -

Tempe - Mitchell Park/Clark Park Neighborhood Alley Stabilization Project
PM-10 PAVING PROJECTS COST ESTIMATE WORKSHEET
(All Items are Required, Unless Identified as 'Optional')

	ITEM DESCRIPTION	UNIT	TOTAL QUAN.	UNIT PRICE	TOTAL COST	Eligible for Federal Funds: Yes or No	FEDERAL SHARE	LOCAL SHARE
	Storm Drain 24"	LF	1		$ -	Yes	$ -	$ -
	Storm Drain 18"	LF	1		$ -	Yes	$ -	$ -
	New Waterline 8"	LF	1		$ -	Yes	$ -	$ -
	New Waterline 12"	LF	1		$ -	Yes	$ -	$ -
	New Waterline 16"	LF	1		$ -	Yes	$ -	$ -
	New Sanitary Sewer 8"	LF	1		$ -	Yes	$ -	$ -
	New Sanitary Sewer 12"	LF	1		$ -	Yes	$ -	$ -
	Trees (36" box)	EA	1		$ -	Yes	$ -	$ -
	Tree Grates	EA	1		$ -	Yes	$ -	$ -
	Trees (24" box)	EA	1		$ -	Yes	$ -	$ -
	Shrubs (5 gallon)	EA	1		$ -	Yes	$ -	$ -
	Shrubs (1 gallon)	EA	1		$ -	Yes	$ -	$ -
	Cactus (5 gallon)	EA	1		$ -	Yes	$ -	$ -
	Decomposed Granite or Other Paving Materials	SY	1	$ 450,000.00	$ 450,000.00	Yes	$ 424,350.00	$ 25,650.00
	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	24,600	$ 12.00	$ 295,200.00	Yes	$ 278,373.60	$ 16,826.40
	Erosion Control	LS	1		$ -	Yes	$ -	$ -
	Utility Improvements	LS	1		$ -	Yes	$ -	$ -
	Misc. Work	LS	1	$ 25,000.00	$ 25,000.00	Yes	$ 23,575.00	$ 1,425.00
			1		$ -	Yes	$ -	$ -
			1		$ -	Yes	$ -	$ -
			1		$ -	Yes	$ -	$ -
	Dust Palliative	LS	1	$ 35,000.00	$ 35,000.00	Yes	$ 33,005.00	$ 1,995.00
	Maintenance Traffic	LS	1	$ 10,000.00	$ 10,000.00	Yes	$ 9,430.00	$ 570.00
			1		$ -	Yes	$ -	$ -
			1		$ -	Yes	$ -	$ -
			1		$ -	Yes	$ -	$ -
			1		$ -	Yes	$ -	$ -
			1		$ -	Yes	$ -	$ -
			1		$ -	Yes	$ -	$ -
			1		$ -	Yes	$ -	$ -
			1		$ -	Yes	$ -	$ -
			1		$ -	Yes	$ -	$ -
			1		$ -	Yes	$ -	$ -
	Contingency	LS	1	$ 25,000.00	$ 25,000.00	Yes	$ 23,575.00	$ 1,425.00
	SUBTOTAL - CONSTRUCTION COST				**$ 1,010,200.00**		**$ 952,618.60**	**$ 57,581.40**
	CONTINGENCY			**10%**	**$ 101,020.00**	Yes	$ 95,261.86	$ 5,758.14
	CONSTRUCTION ADMINISTRATION (Assumes Certification Accepted Agencies have same costs as ADOT - 15%)			**15%**	**$ 151,530.00**	Yes	$ 142,892.79	**$ 8,637.21**
	SUBTOTAL - CONSTRUCTION COST				**$ 1,262,750.00**		$ 1,190,773.25	**$ 71,976.75**
SUMMARY OF FEDERAL AND NON-FEDERAL FUNDS	PRELIMINARY ENGINEERING				$ 18,500.00	NA	$ -	$ 18,500.00
	FINAL DESIGN - Stages II, III, IV and PS&E				$ 45,000.00	NA	$ -	$ 45,000.00
	RIGHT OF WAY ACQUISITION				$ -	NA	$ -	$ -
	UTILITY RELOCATIONS				$ 10,000.00	NA	$ -	$ 10,000.00
	CONSTRUCTION (Including Construction Administration)				$ 1,262,750.00	NA	$ 1,190,773.25	$ 71,976.75
	SUBTOTAL - PROJECT COST				$ 1,336,250.00	NA	$ 1,190,773.25	$ 145,476.75
	ADOT REVIEW FEES ($10,000 for Certification Accepted Agency, Otherwise $30,000)				**$ 10,000.00**	**No**	**$ -**	**$ 10,000.00**
	PROJECT TOALS (Including ADOT Review Fees)				**$ 1,346,250.00**	**NA**	**$ 1,190,773.25**	**$ 155,476.75**

PM-10 Paving Application from Tempe for 'Mitchell Park/Clark Park Neighborhood Alley Stabilization Project'

Tempe - Mitchell Park/Clark Park Neighborhood Alley Stabilization Project
PART D - 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	63,500.00	
2. Right of way	0.00	
3. Utilities	10,000.00	
4. Construction	1,262,750.00	
5. Total Cost w/o ADOT Review Fee	1,336,250.00	
6. ADOT Review Fee	10,000.00	Required. Please see ADOT Fee Sheet for additional information.
7. Total Cost with ADOT Review Fee	1,346,250.00	

Agency Programming

8. Please describe the programming of the project in the agency's own CIP/TIP.	The project will be added to City of Tempe's CIP for design in FY 2019 and Construction in 2021.

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)	2019	Clark Park/Mitchell Park Neighborhood Alley Stabilization	General Fund	63,500	$ -	$ 63,500	100.0%
10. Right of way (Optional)					$ -	$ -	
11. Utilities (Optional)	2020			10,000	$ -	$ 10,000	100.0%
12. Construction	2021			71,977	1,190,773	$ 1,262,750	5.7%
				$ 145,477	$ 1,190,773	$ 1,336,250	

PM-10 Paving Application from Tempe for 'Mitchell Park/Clark Park Neighborhood Alley Stabilization Project'

Tempe - Mitchell Park/Clark Park Neighborhood Alley Stabilization Project
PART E - 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: Andrew B. Ching

Name: Andrew Ching

Title: City Manager

Date: September 17, 2017

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.	~~No~~ 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 ProgrammingIncluding All Segment Fields	
A cost estimate for PE has been developed (Rows 3-6)	Yes
A cost estimate for Final Design has been developed (Rows 8-11)	Yes
A cost estimate for Right of way has been developed (Rows 13-25)	Yes
A cost estimate for Utilities has been developed (Rows 27-34)	Yes
A cost estimate for Utilities has been developed (Rows 36-129)	Yes

Tempe - Mitchell Park/Clark Park Neighborhood Alley Stabilization Project
PART E - SIGNATURE AND CHECKLIST

PART D - Total Project Budget and TIP ProgrammingIncluding All Segment Fields	Complete?
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**	No
Fields 11 – Utilities Programming **OPTIONAL**	No
Fields 12 – Construction Programming	Yes
PART E - Signature Page Fields	**Complete?**
Form is signed	Yes
Name, title and date fields are completed.	Yes

PM-10 Paving Application from Tempe for 'Mitchell Park/Clark Park Neighborhood Alley Stabilization Project'

Tempe - Mitchell Park/Clark Park Neighborhood Alley Stabilization Project
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	Mitchell Park: Bounded by 13th Street on the south; University Drive on the north; Roosevelt Street on the east; and Hardy Drive on the west.
2. Length and Curb Miles	
a. Length (Miles) of the segment	1.93
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
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?	Deteriorated surfaces along the project area and no dust control measures applied.
7. Please describe traffic on the segment (e.g weekday percent truck, etc.).	0.01%
8. Current Average Traffic (ADT)	45
9. Please describe methodology used to calculate ADT	Estimates based anecdotal data from interviews with residents.

Tempe - Mitchell Park/Clark Park Neighborhood Alley Stabilization Project
PART B2 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')

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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.	There are no known cultural, historical, and biological resources; hazardous materials or other environmental issues that could awork on the segment. University Heights is registered with the National and State as a Historic Neighborhood.

Tempe - Mitchell Park/Clark Park Neighborhood Alley Stabilization Project
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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	
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	No
Power Lines & Cables	No
Pipelines, Sewer and Water	No
Private Structures	No
Other (Describe)	
None	

14. Please describe any utility conflicts that will need to be addressed.	None

Tempe - Mitchell Park/Clark Park Neighborhood Alley Stabilization Project
PART B2 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')

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Section 2 - Proposed Improvements	**Segment 2**
1. What is the type of paving project? (Choose all that Apply and Select Yes or No)	
Rural Road	
Urban Road	
Subdivision Street	
Alley	Yes
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.	No Changes.
5. **(Optional for shoulder and alley paving, required for road paving)** Please describe horizontal alignment changes.	No Changes.
6. **(Optional for shoulder and alley paving, required for road paving)** Design speed of the after construction segment.	No Change.
7. Please describe the type of paving for the segment.	Double Rolled Rap
8. Non paving improvements to be included: (Choose All that Apply and Select Yes or No)	
Sidewalks	No
Fensing	No

Tempe - Mitchell Park/Clark Park Neighborhood Alley Stabilization Project
PART B2 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
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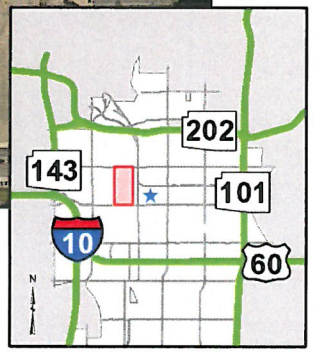
Lighting	No
Curb & Gutter	No
Bicycle Path or Lane	No
Other (Describe)	
9. Please describe the non paving improvements to be included in the segment	
10. For roadway paving, please ener the number of unpaved access points (e.g. driveways, cross roads) to be paved by the project	0

PM-10 Paving Application from Tempe for 'Mitchell Park/Clark Park Neighborhood Alley Stabilization Project'

Mitchell Park

Clark Park

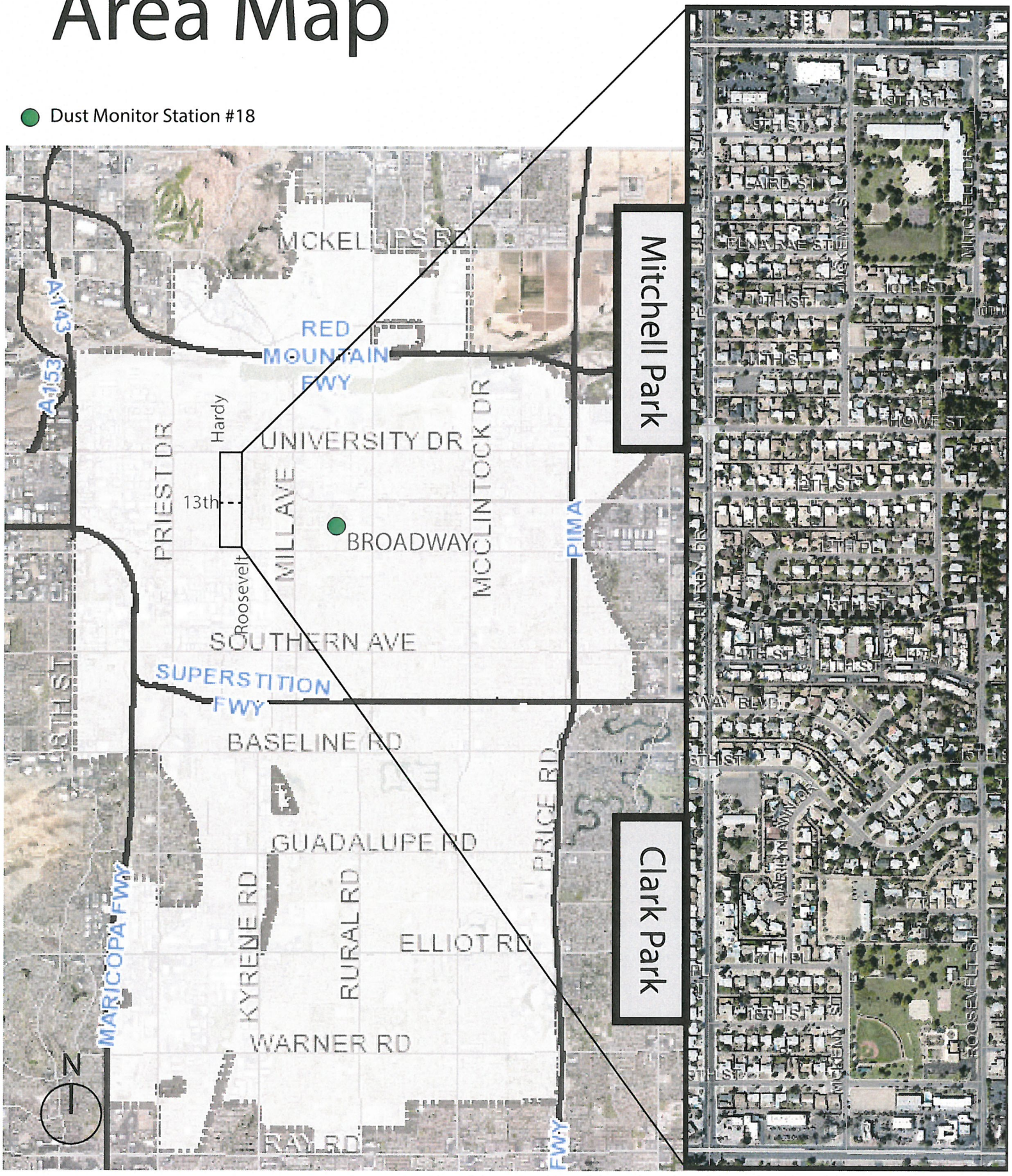


Legend

Alley

★ Dust Monitor Station 18

Mitchell Park & Clark Park Area Map



Existing Condition Clark Park Neighborhood

Existing Condition Clark Park Neighborhood

Existing Condition Clark Park Neighborhood

Existing Condition Mitchell Park Neighborhood

Existing Condition Mitchell Park Neighborhood

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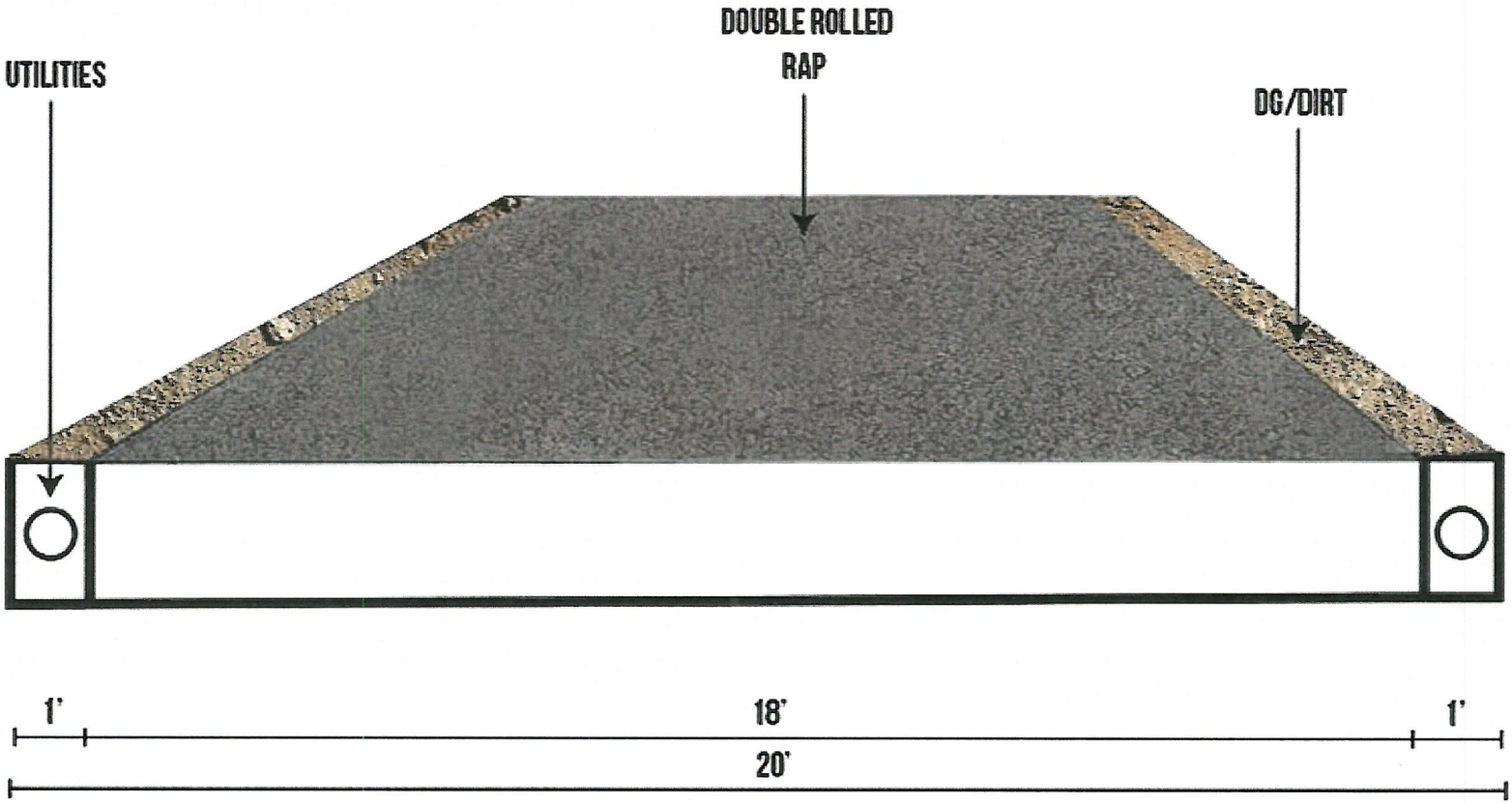

TYPICAL CITY OF TEMPE ALLEY CROSS SECTION