

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
PART A - CONTACT AND PROJECT DESCRIPTION
(All Items are Required, Unless Identified as 'Optional')**

Contact Information

1. Agency Name	Maricopa County
2. Name:	Gail H. Chimel, Federal Aid Program Coordinator
3. Phone:	602-506-1795
4. E-Mail:	gailchimel@mail.maricopa.gov
5. Mailing Address:	Intergovernmental Relations
	2901 W. Durango Street
	Phoenix, AZ 85009

Project Description

6. Please provide the Project Title.	Miller Road, Tonopah-Salome Highway to Van Buren Street.
7. Please provide a general description of the project.	Pave two 14ft lanes with two 10ft dirt shoulders, realign and improve profile
8. Please attach a map showing the location(s) of the roadway(s), alley(s) or shoulder(s) to be paved.	Please attach map with transmittal
9. Please enter the number of segments to be included in the project (See definition of segments below).	1
10. Please review the PM-10 Monitor Locations to verify that the proposed project is in the nonattainment area. Enter 'Yes' or 'No'. Link to PM-10 Monitor Locations Map	yes

Site Visit Information

11. It is required that the member agency proposing a project to be funded with federal funds has completed a site visit of the project within 60 days prior to the application due date. This is to help ensure familiarity with the project as it relates to eligibility, readiness, environmental issues, right of way/ownership issues, and utility conflicts.

a. Name of Person who completed site visit	Bill Hahn, Project Manager
b. Date site visit completed	Sept. 15, 2015
c. Pictures of the site visit are required.	Please attach pictures with transmittal

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
PART A - CONTACT AND PROJECT DESCRIPTION
(All Items are Required, Unless Identified as 'Optional')**

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

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

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

(OPTIONAL)

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

[GIS Submittal Instructions](#)

PM-10 Paving Application from Maricopa County for 'Miller Road, Tonopah-Salome Highway to Van Buren Street.'

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
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	Miller Road, Tonopah-Salome Highway to Van Buren Street
2. Length and Curb Miles	
a. Length (Miles) of the segment	1
b. Curb Miles: Miles of shoulders or curbs to be paved by direction (e.g. if discontinuous shoulder sections on both sides of the roadway are to be paved, enter the combined distance of shoulders to be paved).	none
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.
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?	This portion of Miller Road is currently a meandering dirt, rural local collector road with a speed limit of 15mph. The surface is dirt only with no gravel or dust suppressants.
7. Please describe traffic on the segment (e.g. weekday percent truck, etc.).	There's a high percentage of class 3 and class 6 vehicles (3 and 5 axles, resp.) that generate a high amount of dust and air particulates by large truck traffic going to and from the Arizona Army National Guard and Army Reserve military facility.
8. Current Average Traffic (ADT)	(ADT) 505 with weekend traffic being much higher volumes. Army Reserves and Arizona National Guard training facility.
9. Please describe methodology used to calculate ADT	A traffic study was performed by MCDOT, which is referred to as the Final Traffic Analysis Report Technical Memorandum #4, Dated 12/9/13.

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
PART B1 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')**

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

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

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

An environmental study was conducted for this Scoping Assesemnt by a subconsultant contracted through MCDOT. This study is called Environmental Identification Memorandum, Technical Memorandum#5, dated August 2014. No known hazardous materials, cultural/historical/biological resources. Possible tortoise habitation.

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
PART B1 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')**

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

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

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

Agency owns all ROW Needed

No

ROW to be acquired

Yes

Owners will donate ROW

Yes

Condemnation may be required

Yes

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

It is anticipated that right of way, along with drainage and construction easements, will need to be acquired to facilitate construction of the proposed improvements. The criteria governing the amount of right of way to be acquired are detailed in the Scoping Assessment .

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

Canals & Drainage

Yes

Power Lines & Cables

Yes

Pipelines, Sewer and Water

No

Private Structures

No

Other (Describe)

Buckeye Flood Retarding Structure #2 is crossed by the proposed Miller Road.

None

No

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

The key area of conflict will be the Overhead electricity and communication lines running parallel with Miller Road predominantly on the westside. At Aproximately 1600feet south of the Arizona Army National Guard facility the lines cross over to the east side of Miller Road and then cross back at approximately600 feet south. At these two locations will be a conflictwith the new road.

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
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
<p>1. What is the type of paving project? (Choose all that Apply and Select Yes or No)</p> <p>Rural Road</p> <p>Urban Road</p> <p>Subdivision Street</p> <p>Alley</p> <p>Shoulders</p> <p>Other (Describe)</p>	<p>Yes</p> <p>No</p> <p>No</p> <p>No</p> <p>Yes</p> <p>Miller Road was developed as a rural local residential road with a 30mph speed limit that meets current MCDOT RDG criteria.</p>
<p>2. Please describe the work to be performed on the segment:</p>	<p>The work to be performed is to improve the drainage, pave realigned road, placing the newly constructed 1 mile long road in the dedicated right-of-way. The road will consist of two 14ft lanes and two 10 ft dirt shoulder within an 80-85 ft wide right of way.</p>
<p>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.</p>	
<p>4. (Optional for shoulder and alley paving, required for road paving) Please describe vertical alignment changes.</p>	<p>The road crosses over the Maricopa County Flood Control District's Buckeye Flood Retarding Structure #2.</p>
<p>5. (Optional for shoulder and alley paving, required for road paving) Please describe horizontal alignment changes.</p>	<p>The existing road follows along an old jeep track which goes along east and west of the official 80ft wide road right of way. The new road will be built within the existing 80ft wide right of way except for drainage and fill some additional right of way needs to be acquired.</p>
<p>6. (Optional for shoulder and alley paving, required for road paving) Design speed of the after construction segment.</p>	<p>The design speed is 40 mph and posted speed will be 30 mph</p>
<p>7. Please describe the type of paving for the segment.</p>	<p>The structural section will consist of 2.5" Asphalt Concrete Pavement on 6" Aggregated Base course with a subgrade of 10" Scarified & compacted Subgrade Material (compacted in 2 layers in approximatesd equal thickness).</p>
<p>8. Non paving improvements to be included: (Choose All that Apply and Select Yes or No)</p>	

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
 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.

Sidewalks

No

PM-10 Paving Application from Maricopa County for 'Miller Road, Tonopah-Salome Highway to Van Buren Street.'

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
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	\$ 50,000.00	\$ 50,000.00	No	\$ -	\$ 50,000.00
	Design	LS	1	\$ 100,000.00	\$ 100,000.00	No	\$ -	\$ 100,000.00
	Federal Project Environmental Determination	LS	1	\$ 111,500.00	\$ 111,500.00	No	\$ -	\$ 111,500.00
	HAZMAT Assessment	LS	1		\$ -	No	\$ -	\$ -
	SUBTOTAL - PRELIMINARY ENGINEERING COSTS					\$ 261,500.00		\$ -
FINAL DESIGN - Stages II, III, IV and PS&E	Plans, Specifications, Cost Estimates, Bidding	LS	1	\$ 50,000.00	\$ 50,000.00	No	\$ -	\$ 50,000.00
	Geotechnical Report	LS	1	\$ 20,000.00	\$ 20,000.00	No	\$ -	\$ 20,000.00
	Drainage Report	LS	1	\$ 30,000.00	\$ 30,000.00	No	\$ -	\$ 30,000.00
	SWPPP	LS	1	\$ 15,000.00	\$ 15,000.00	No	\$ -	\$ 15,000.00
	SUBTOTAL - FINAL DESIGN COSTS					\$ 115,000.00		\$ -
RIGHT OF WAY ACQUISITION	Appraisals and Title Reports	LS	1		\$ -	No	\$ -	\$ -
	Road Right of Way	LS	1	\$ 36,229.00	\$ 36,229.00	No	\$ -	\$ 36,229.00
	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					\$ 36,229.00		\$ -
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		\$ -	Yes	\$ -	\$ -
	HAZMAT Abatement	LS	1		\$ -	Yes	\$ -	\$ -
	Construction Survey and Layout	LS	1		\$ -	no	\$ -	\$ -
	Temporary Traffic Control	LS	1		\$ -	Yes	\$ -	\$ -
	Remove Existing Improvements	LS	1		\$ -	Yes	\$ -	\$ -
	Roadway Excavation	CU.YD.	2,823	\$ 8.00	\$ 22,584.00	Yes	\$ 21,296.71	\$ 1,287.29
	Fill Construction	CU.YD.	10,744	\$ 10.00	\$ 107,440.00	Yes	\$ 101,315.92	\$ 6,124.08
	RIPRAP,D50=3"	CU.YD.	476	\$ 60.00	\$ 28,560.00	Yes	\$ 26,932.08	\$ 1,627.92
	RIPRAP,D50=6"	CU.YD.	368	\$ 56.00	\$ 20,608.00	Yes	\$ 19,433.34	\$ 1,174.66
	RIPRAP,D50=18"	CU.YD.	1,414	\$ 85.00	\$ 120,190.00	Yes	\$ 113,339.17	\$ 6,850.83
	SUBGRADE PRPEPARATION	SY.YD.	17,579	\$ 1.60	\$ 28,126.40	Yes	\$ 26,523.20	\$ 1,603.20
	Aggregate base course 6" thick	CU.YD.	3,041	\$ 20.00	\$ 60,820.00	Yes	\$ 57,353.26	\$ 3,466.74
	Asphalt Concrete Pavement	Ton	2,423	\$ 100.00	\$ 242,300.00	Yes	\$ 228,488.90	\$ 13,811.10
	Bituminous Tack Coat	Ton	6	\$ 10,000.00	\$ 60,000.00	Yes	\$ 56,580.00	\$ 3,420.00
	Remove Existing Signs	EACH	3	\$ 900.00	\$ 2,700.00	Yes	\$ 2,546.10	\$ 153.90
	Relocate Gate	EACH	1	\$ 800.00	\$ 800.00	Yes	\$ 754.40	\$ 45.60
	RELCAE STREET NAME,SIGN	EACH	1	\$ 150.00	\$ 150.00	Yes	\$ 141.45	\$ 8.55
	HYDRO SEEDING - NATIVE SEED MIX	Acres	4	\$ 2,600.00	\$ 10,400.00	Yes	\$ 9,807.20	\$ 592.80
	PERFORATED SIGN POST	LF	93	\$ 11.00	\$ 1,023.00	Yes	\$ 964.69	\$ 58.31
	Foundation for sign post	EACH	8	\$ 150.00	\$ 1,200.00	Yes	\$ 1,131.60	\$ 68.40
	FLAT SHEET ALUMINUM PANEL, HIGH INTENSITY GRADE	SQFT	58	\$ 20.00	\$ 1,160.00	Yes	\$ 1,093.88	\$ 66.12
	FLAT SHEET ALUMINUM PANEL, DIAMOND GRADE	SQFT	13	\$ 25.00	\$ 325.00	Yes	\$ 306.48	\$ 18.53
	4" WHITE THERMOPLASTIC TRAFFI C STRIPE	L.FT.	12,694	\$ 0.50	\$ 6,347.00	Yes	\$ 5,985.22	\$ 361.78
	4' YELLOW THERMOPLASTIC STRIPE	L.FT.	3,174	\$ 0.50	\$ 1,587.00	Yes	\$ 1,496.54	\$ 90.46
	Structural Concrete(ADOT CLASS S)(Fc=2,900 PSI)	CY	70	\$ 235.00	\$ 16,450.00	Yes	\$ 15,512.35	\$ 937.65
	Structural Concrete (ADOT CLASS S) (Fc=4,500 PSI)	CY	60	\$ 250.00	\$ 15,000.00	Yes	\$ 14,145.00	\$ 855.00
	REINFORCING STEEL	LB	15,931	\$ 1.00	\$ 15,931.00	Yes	\$ 15,022.93	\$ 908.07
	18" RGRCP, CLASS III	L.FT.	104	\$ 70.00	\$ 7,280.00	Yes	\$ 6,865.04	\$ 414.96
	18" RGRCP, CLASS III	L.FT.	636	\$ 80.00	\$ 50,880.00	Yes	\$ 47,979.84	\$ 2,900.16
	18" RGRCP, CLASS III	L.FT.	56	\$ 160.00	\$ 8,960.00	Yes	\$ 8,449.28	\$ 510.72
	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	\$ -	\$ -	

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
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	376,500.00	
2. Right of way	36,229.00	
3. Utilities	0.00	
4. Construction	1,038,526.75	
5. Total Cost w/o ADOT Review Fee	1,451,255.75	
6. ADOT Review Fee	10,000.00	Required. Please see ADOT Fee Sheet for additional information.
7. Total Cost with ADOT Review Fee	1,461,255.75	

Agency Programming

8. Please describe the programming of the project in the agency's own CIP/TIP.	While scoping has been done, project has not been formally added in the TIP. Scoping done with Local funding.
--	---

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 Road	HURF	376,500	\$ -	\$ 376,500	100.0%
10. Right of way (Optional)	2018	Pave Road	HURF	36,229	\$ -	\$ 36,229	100.0%
11. Utilities (Optional)	2018	Pave Road		0	\$ -	\$ -	
12. Construction	2019	Pave Road	CMAQ	69,196	979,331	\$ 1,048,527	6.6%
				\$ 481,925	\$ 979,331	\$ 1,461,256	

PM-10 Paving Application from Maricopa County for 'Miller Road, Tonopah-Salome Highway to Van Buren Street.'

Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street. 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: Jennifer Toth, P.E.	
Title: Director/County Engineer	
Date: September 18, 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)	No
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?
Requested MAG TIP Programming	
Field 8 - Agency CIP programming is completed	No
Fields 9 – Design Programming OPTIONAL	No
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 Maricopa County for 'Miller Road, Tonopah-Salome Highway to Van Buren Street.'

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

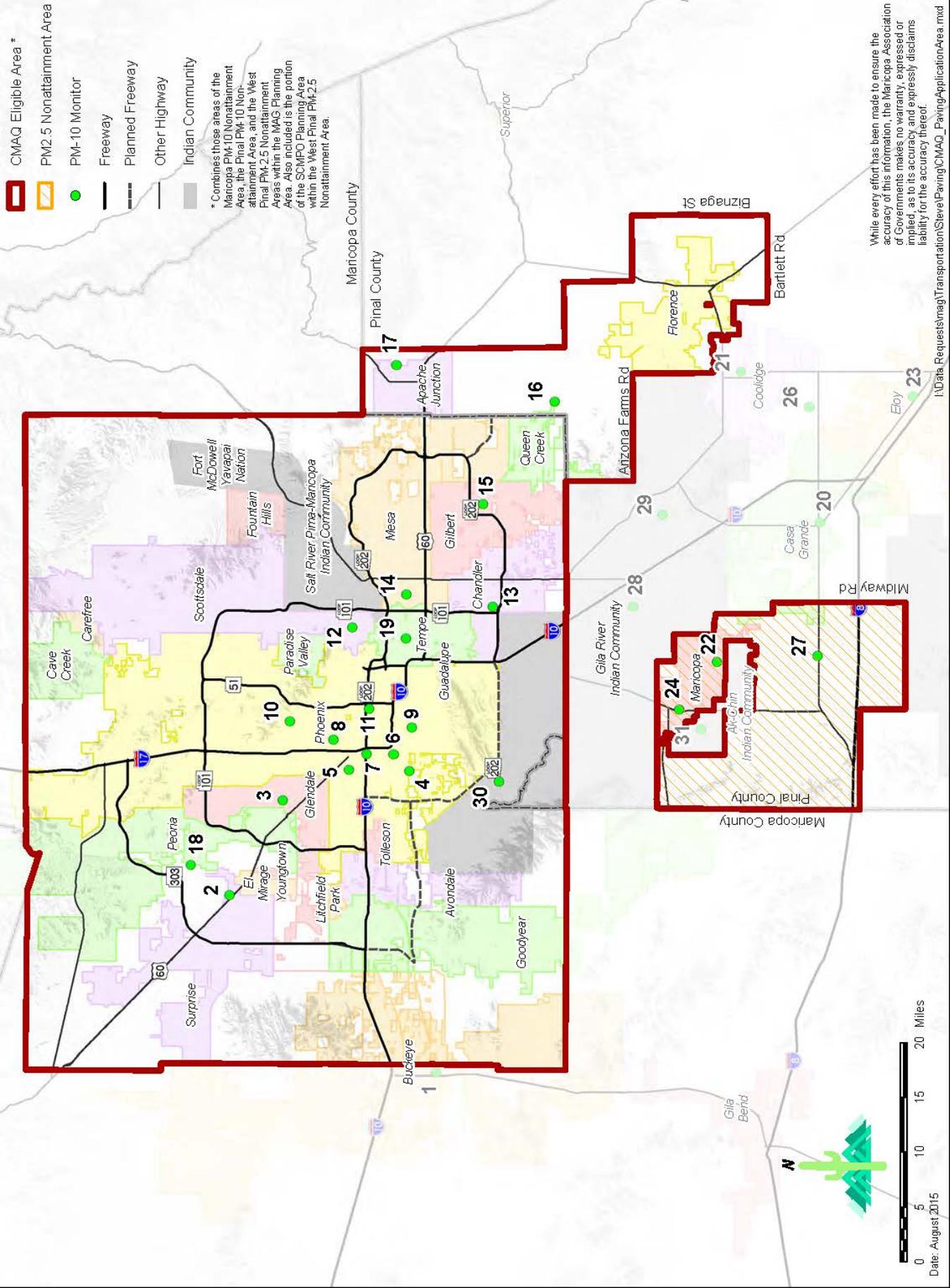
ADOT SECTION	FUNCTION	RATE	HOURS	CHARGE/2
Contracts and Specs	Contracts and Specs	\$ 60	200	\$ 12,000
District	District	\$ 55	18	\$ 990
Engineering Consulting Section	Engineering Consulting Section	\$ 40	24	\$ 960
Environmental Planning	Environmental Planning	\$ 50	100	\$ 5,000
Materials	Geotech Design	\$ 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



CMAQ Paving Application Area



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

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
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	
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	

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
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.

[Empty box for describing environmental issues]

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
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

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.

--

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
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

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

--

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
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	
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	

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
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.

--

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
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

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.

--

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
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.

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

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

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
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	
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	

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
 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.

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.

--

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
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.

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.

--

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
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

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

--

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
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	
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	

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
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.

[Empty box for describing environmental issues]

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
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

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.

--

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
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	
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	

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
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.

PM-10 Paving Application from Maricopa County for 'Miller Road, Tonopah-Salome Highway to Van Buren Street.'

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
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	
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	

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
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.

--

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
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.

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.

--

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
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
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	
PM-10 Paving Application from Maricopa County for 'Miller Road, Tonopah-Salome Highway to Van Buren Street.'	

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
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	

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
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.

--

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
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.

--

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
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

--

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
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	

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
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.

--

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
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

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.

--

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
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

--

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
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).	
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	

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
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.

--

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
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

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.

--

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
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

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
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	

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
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.

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.

--

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
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.

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.

--

**Maricopa County - Miller Road, Tonopah-Salome Highway to Van Buren Street.
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.

Section 2 - Proposed Improvements

Segment 10

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)

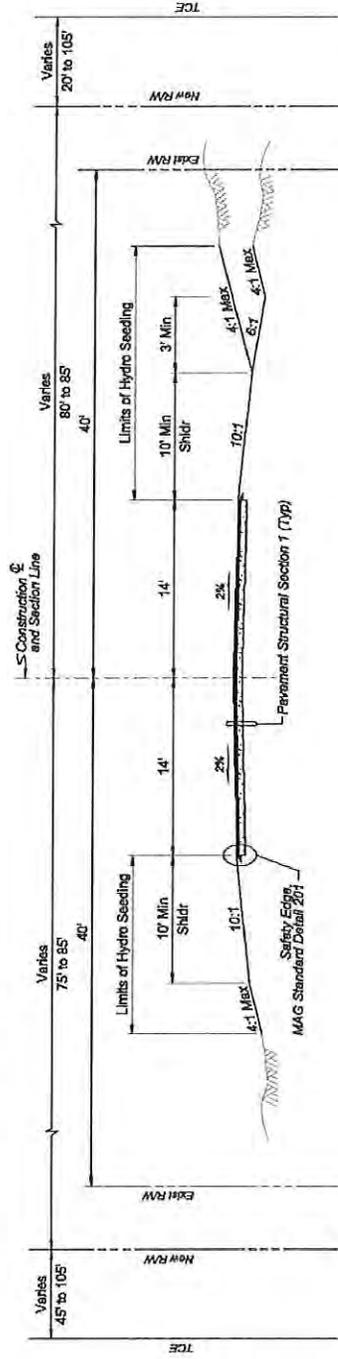
Sidewalks

PM-10 Paving Application from Maricopa County for 'Miller Road, Tonopah-Salome Highway to Van Buren Street.'



Entrance to quarry looking west and this road has an concrete dip crossing over the wash.

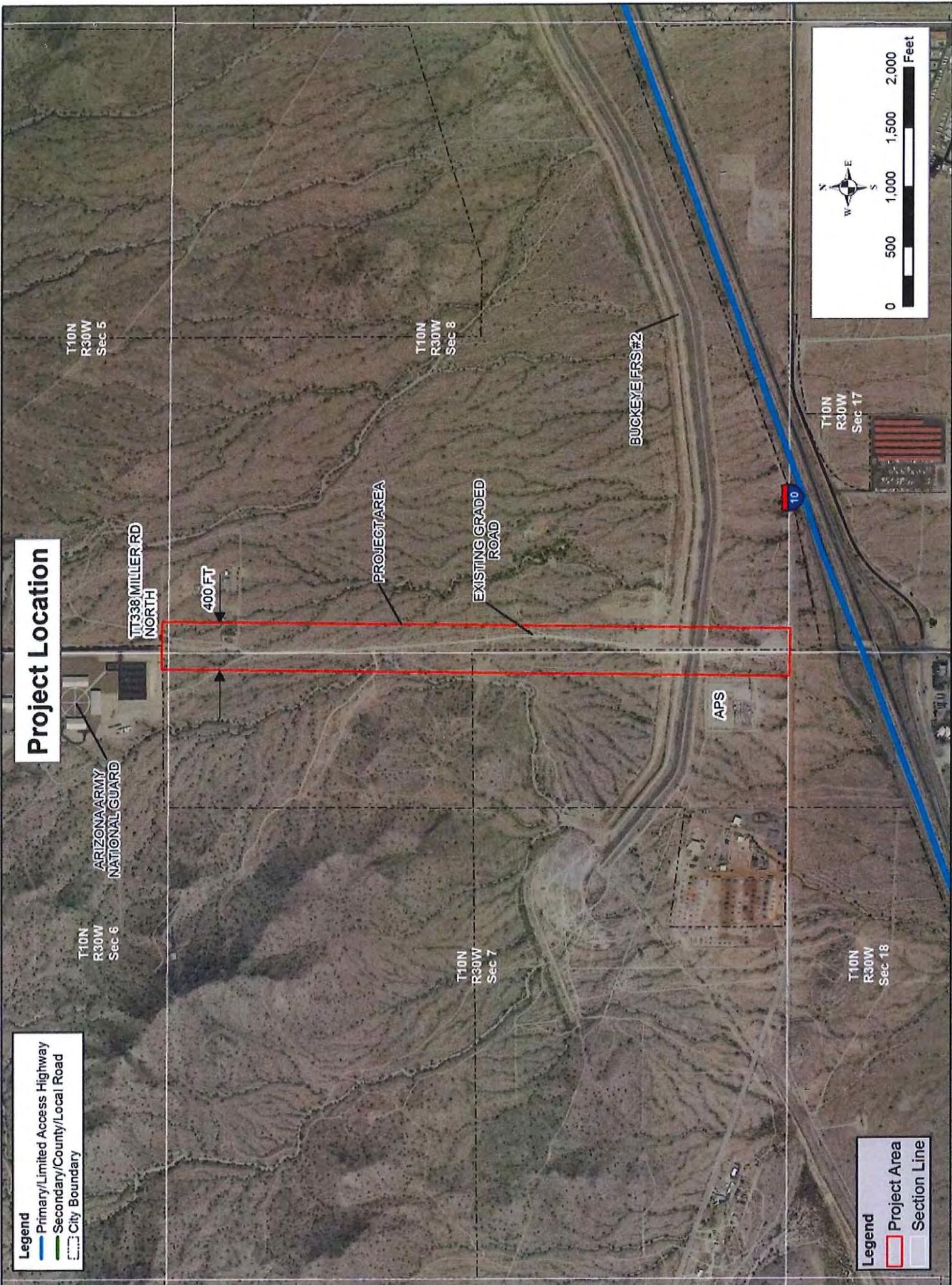
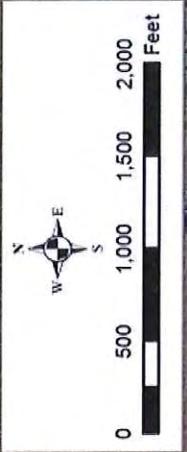
Figure 9: Typical Section



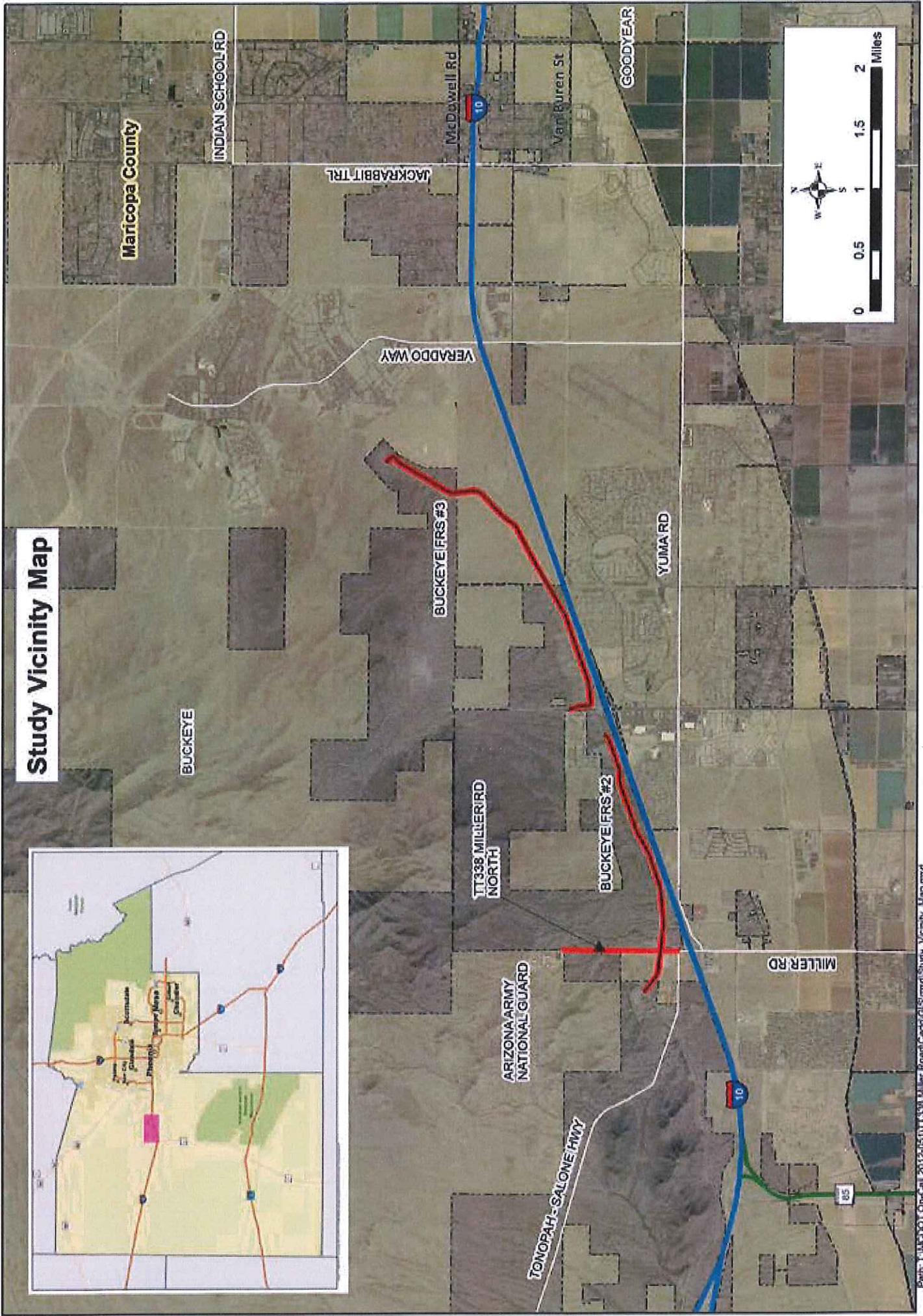
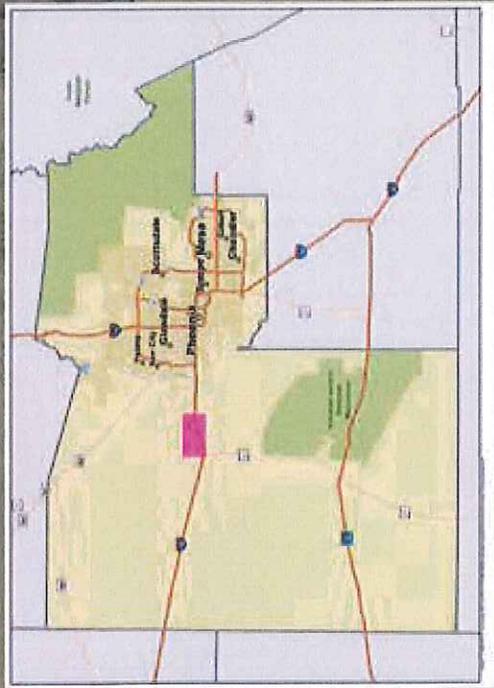
Project Location

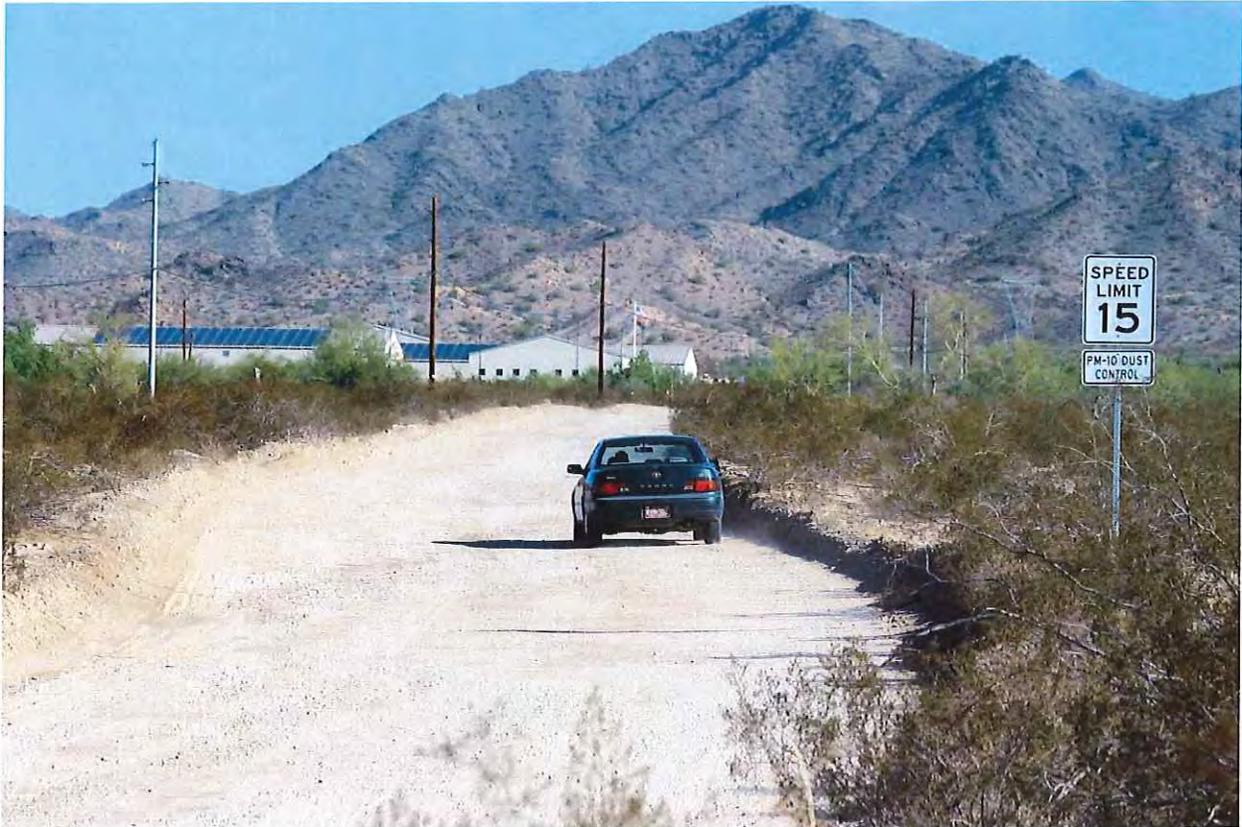
- Legend**
- Primary/Limited Access Highway
 - Secondary/County/Local Road
 - City Boundary

- Legend**
- Project Area
 - Section Line



Study Vicinity Map





Miller Rd looking north speed limit 15 PM-10 Dust control. Miller road is coming back on the right ofway alignment.



Miller Rd looking south in the distance the road passing over the Buckeye FRS #2. Miller Road passes under many different Power lines. To the right is one of many washes that cross over Miller Road.



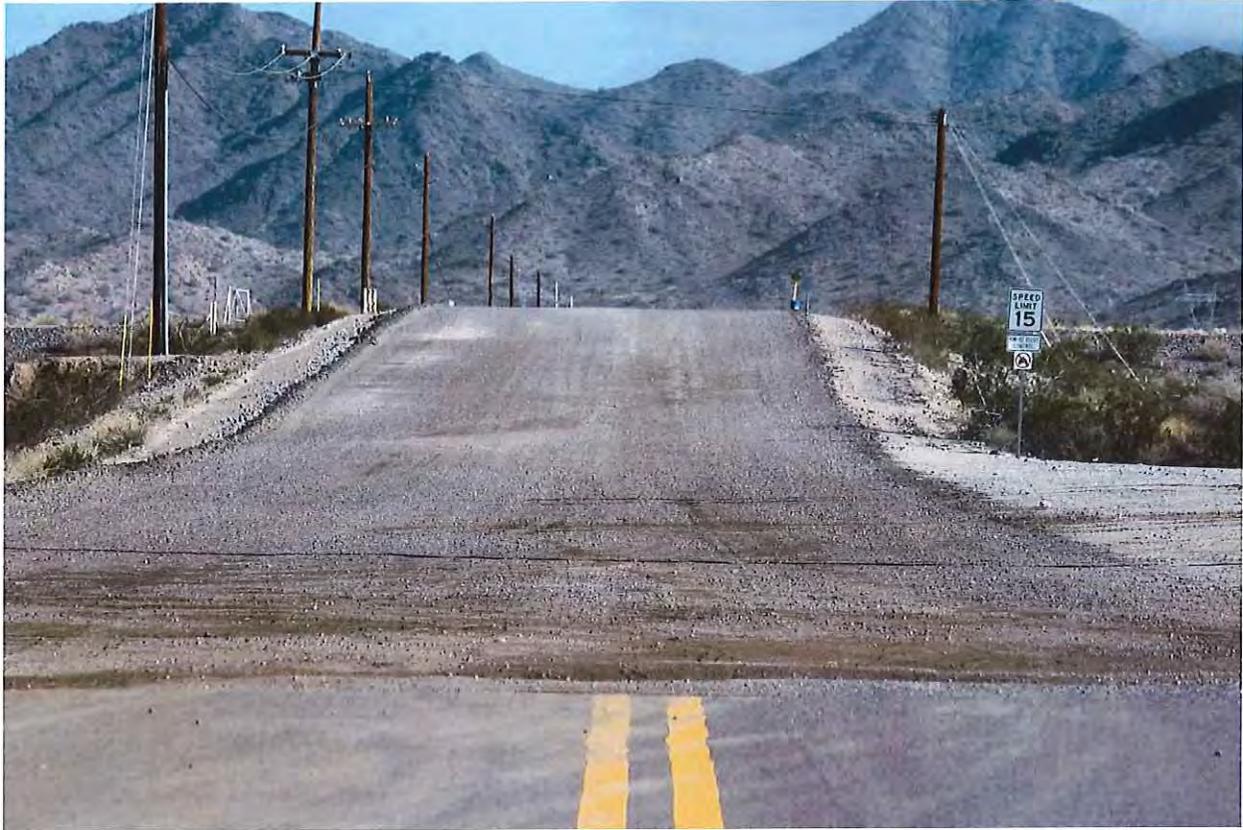
Miller Rd at the intersection with Tonopah-Salome Highway looking South towards the I-10 Freeway. The start for the construction of Miller Road.



Most northern end of Miller Rd looking South.



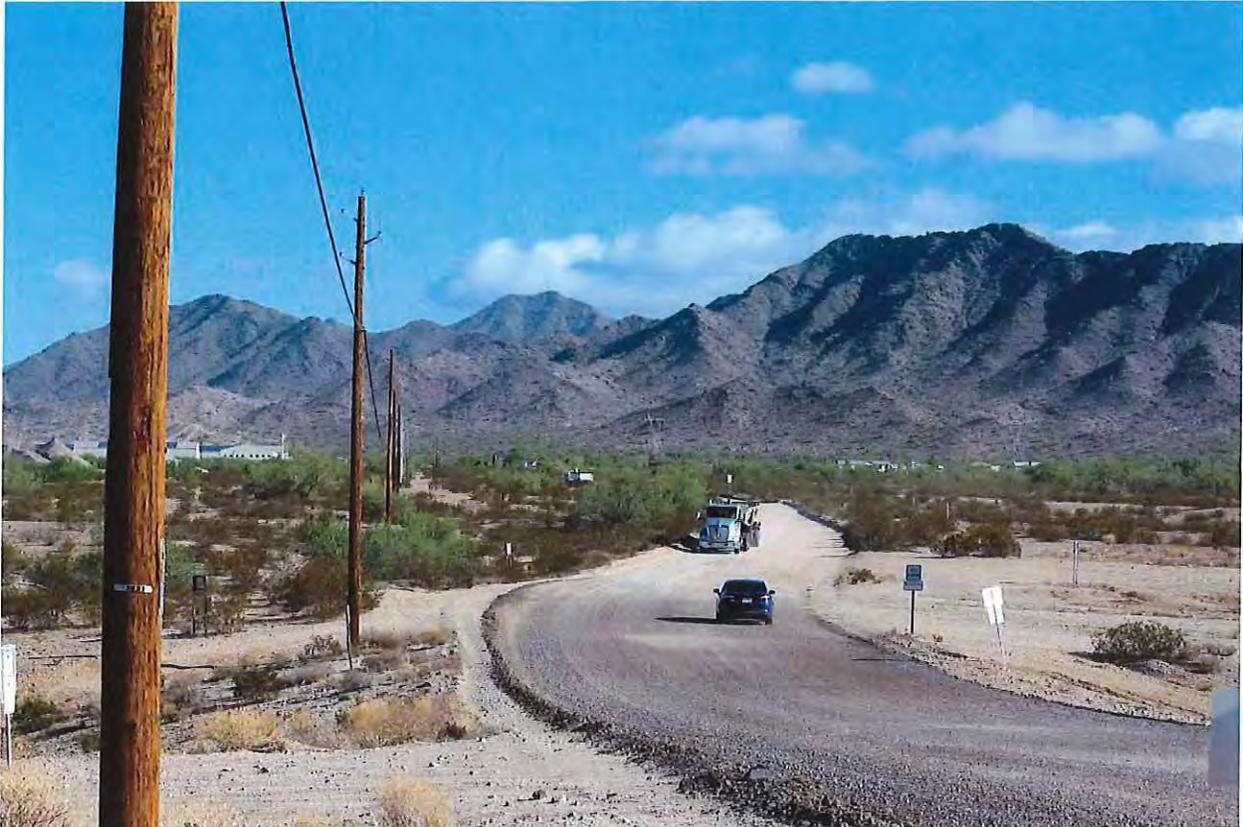
North end of Miller Rd proposed construction at the brown sign board placed by the Army. The surface road is a slurry sealed road (but not in a very good condition it is already having potholes).



Southern end of Miller Rd at the intersection of Tonopah-Salome Highway with Miller Rd looking north. The road is passing over the Flood Control District, Buckeye retardation Structure #2.



Standing on the Miller Rd going over Buckeye FRS #2 looking north.



Standing on Miller Rd on the Buckeye FRS #2 looking north. The new road will stay within the 80ft Right of Way and will be constructed to the right of the power poles with communication lines underhung. The existing road is well outside of the existing right of way on private property. In the middle far left side of the photo can see the mountains of rock that is be mined in the quarry. In the background the Arizona Army National Guard and the Army Reserve Building complex can be seen. The road is not displaying much dust since it rained in the early morning and the road is still moist.



Standing on the base of the Buckeye FRS #2 basin looking west with 48" CMP passing under Miller Rd which is located north/south. It is usually dry but it rained in the early morning.