

**Fort McDowell Yavapai Nation - FMYN Dirt Roads Paving Project
PART A - CONTACT AND PROJECT DESCRIPTION
(All Items are Required, Unless Identified as 'Optional')**

Contact Information

1. Agency Name	Fort McDowell Yavapai Nation
2. Name:	Alfonso Rodriguez
3. Phone:	480-789-7748
4. E-Mail:	arodriguez@ftmcdowell.org
5. Mailing Address:	P.O. Box 17779
	Fountain Hills, Arizona 85269

Project Description

6. Please provide the Project Title.	FMYN Dirt Roads Paving Project
7. Please provide a general description of the project.	Pave three dirt roads totaling 0.8 miles in length
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).	3
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	Erika McCalvin, Joe Kanovich, Paul Ward
b. Date site visit completed	9/16/2015
c. Pictures of the site visit are required.	Please attach pictures with transmittal

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

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

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

(OPTIONAL)

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

[GIS Submittal Instructions](#)

PM-10 Paving Application from Fort McDowell Yavapai Nation for 'FMYN Dirt Roads Paving Project'

**Fort McDowell Yavapai Nation - FMYN Dirt Roads Paving Project
PM-10 PAVING PROJECTS COST ESTIMATE WORKSHEET
(All Items are Required, Unless Identified as 'Optional')**

	ITEM DESCRIPTION	UNIT	TOTAL QUAN.	UNIT PRICE	TOTAL COST	Eligible for Federal Funds: Yes or No	FEDERAL SHARE	LOCAL SHARE
PRELIMINARY ENGINEERING	Topographic Survey	LS	1	\$ 5,100.00	\$ 5,100.00	No	\$ -	\$ 5,100.00
	Design Concept Report (DCR)	LS	1	\$ 17,400.00	\$ 17,400.00	No	\$ -	\$ 17,400.00
	Federal Project Environmental Determination	LS	1	\$ 17,950.00	\$ 17,950.00	No	\$ -	\$ 17,950.00
	HAZMAT Assessment	LS	1	\$ 800.00	\$ 800.00	No	\$ -	\$ 800.00
	SUBTOTAL - PRELIMINARY ENGINEERING COSTS					\$ 41,250.00		\$ -
FINAL DESIGN - Stages II, III, IV and PS&E	Plans, Specifications, Cost Estimates, Bidding	LS	1	\$ 40,850.00	\$ 40,850.00	No	\$ -	\$ 40,850.00
	Geotechnical Report	LS	1	\$ 10,000.00	\$ 10,000.00	No	\$ -	\$ 10,000.00
	Drainage Report	LS	1	\$ 2,700.00	\$ 2,700.00	No	\$ -	\$ 2,700.00
	SWPPP	LS	1	\$ 850.00	\$ 850.00	No	\$ -	\$ 850.00
	SUBTOTAL - FINAL DESIGN COSTS					\$ 54,400.00		\$ -
RIGHT OF WAY ACQUISITION	Appraisals and Title Reports	LS	1	\$ -	\$ -	No	\$ -	\$ -
	Road Right of Way	LS	1	\$ 400.00	\$ 400.00	No	\$ -	\$ 400.00
	Temporary Construction Easements	LS	1	\$ -	\$ -	No	\$ -	\$ -
	Drainage Easement	LS	1	\$ -	\$ -	No	\$ -	\$ -
	Utility Easements/Right of Way	LS	1	\$ 1,950.00	\$ 1,950.00	No	\$ -	\$ 1,950.00
	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					\$ 2,350.00		\$ -
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	\$ 48,500.00	\$ 48,500.00	Yes	\$ 45,735.50	\$ 2,764.50
	HAZMAT Abatement	LS	1	\$ 1,500.00	\$ 1,500.00	Yes	\$ 1,414.50	\$ 85.50
	Construction Survey and Layout	LS	1	\$ 23,900.00	\$ 23,900.00	Yes	\$ 22,537.70	\$ 1,362.30
	Temporary Traffic Control	LS	1	\$ 22,063.00	\$ 22,063.00	Yes	\$ 20,805.41	\$ 1,257.59
	Remove Existing Improvements	LS	0	\$ -	\$ -	Yes	\$ -	\$ -
	Remove Curb and Gutter	LF	0	\$ -	\$ -	Yes	\$ -	\$ -
	Remove Pavement	SY	592	\$ 9.00	\$ 5,328.00	Yes	\$ 5,024.30	\$ 303.70
	Remove Driveway	SF	120	\$ 10.00	\$ 1,200.00	Yes	\$ 1,131.60	\$ 68.40
	Remove Concrete Sidewalks, Slabs	SF	0	\$ -	\$ -	Yes	\$ -	\$ -
	General Excavation	LS	1	\$ 46,850.00	\$ 46,850.00	Yes	\$ 44,179.55	\$ 2,670.45
	Drainage Excavation	LS	1	\$ 708.00	\$ 708.00	Yes	\$ 667.64	\$ 40.36
	Backfill/Borrow Material	LS	0	\$ -	\$ -	Yes	\$ -	\$ -
	AC Pavement NOT including ABC Base	Ton	4,297	\$ 63.00	\$ 270,711.00	Yes	\$ 255,280.47	\$ 15,430.53
	Concrete Pavement including ABC Base	SY	0	\$ -	\$ -	Yes	\$ -	\$ -
	AC Mill and Overlay	SY	0	\$ -	\$ -	Yes	\$ -	\$ -
	Curb and Gutter	LF	110	\$ 9.00	\$ 990.00	Yes	\$ 933.57	\$ 56.43
	Aggregate Base	CY	3,282	\$ 26.00	\$ 85,332.00	Yes	\$ 80,468.08	\$ 4,863.92
	Concrete Driveways	SF	0	\$ -	\$ -	Yes	\$ -	\$ -
	Colored Concrete	SF	0	\$ -	\$ -	Yes	\$ -	\$ -
	Concrete Pavers	SF	0	\$ -	\$ -	Yes	\$ -	\$ -
	Stamped Asphalt	SY	0	\$ -	\$ -	Yes	\$ -	\$ -
	Stamped Concrete	SF	0	\$ -	\$ -	Yes	\$ -	\$ -
	Concrete Sidewalk	SF	0	\$ -	\$ -	Yes	\$ -	\$ -
	Pedestrian ADA Ramps	EA	0	\$ -	\$ -	Yes	\$ -	\$ -
	Bus Bay	EA	0	\$ -	\$ -	Yes	\$ -	\$ -
	Bus Shelters	EA	0	\$ -	\$ -	Yes	\$ -	\$ -
	Irrigation Pipeline	LF	0	\$ -	\$ -	Yes	\$ -	\$ -
	Irrigation Canal relocation	LF	0	\$ -	\$ -	Yes	\$ -	\$ -
	Irrigation Canal Culvert/Bridge Crossing	EA	0	\$ -	\$ -	Yes	\$ -	\$ -
	Decorative Screen Walls	LF	0	\$ -	\$ -	Yes	\$ -	\$ -
	Retaining Wall	SF	0	\$ -	\$ -	Yes	\$ -	\$ -
	Electrical Service Connection	EA	0	\$ -	\$ -	Yes	\$ -	\$ -
	Joint Trench Conduit, including City Spare	LF	0	\$ -	\$ -	Yes	\$ -	\$ -
	Traffic Signal Intertie	LF	0	\$ -	\$ -	Yes	\$ -	\$ -
	Traffic Signal	EA	0	\$ -	\$ -	Yes	\$ -	\$ -
	Temporary Traffic Signal	EA	0	\$ -	\$ -	Yes	\$ -	\$ -
	Traffic Signage and Markings	LS	1	\$ 52,841.00	\$ 52,841.00	Yes	\$ 49,829.06	\$ 3,011.94
	Street Lighting including conduit and trenching	EA	0	\$ -	\$ -	Yes	\$ -	\$ -
	Pedestrian Lighting including conduit and trenching	EA	0	\$ -	\$ -	Yes	\$ -	\$ -
	Handrail	LF	0	\$ -	\$ -	Yes	\$ -	\$ -
	Utility Protection and Adjustments	LS	0	\$ -	\$ -	Yes	\$ -	\$ -
	Adjust Water Valve	EA	5	\$ 585.00	\$ 2,925.00	Yes	\$ 2,758.28	\$ 166.73
	Relocate Fire Hydrant	EA	0	\$ -	\$ -	Yes	\$ -	\$ -
	Adjusted Manholes	EA	4	\$ 721.00	\$ 2,884.00	Yes	\$ 2,719.61	\$ 164.39
	Drainage Catch basins and Scuppers	EA	0	\$ -	\$ -	Yes	\$ -	\$ -

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(All Items are Required, Unless Identified as 'Optional')**

	ITEM DESCRIPTION	UNIT	TOTAL QUAN.	UNIT PRICE	TOTAL COST	Eligible for Federal Funds: Yes or No	FEDERAL SHARE	LOCAL SHARE	
	Storm Drain 48"	LF			\$ -	Yes	\$ -	\$ -	
	Storm Drain 36"	LF			\$ -	Yes	\$ -	\$ -	
	Storm Drain 24"	LF	47	\$ 83.00	\$ 3,901.00	Yes	\$ 3,678.64	\$ 222.36	
	Storm Drain 18"	LF	0		\$ -	Yes	\$ -	\$ -	
	New Waterline 8"	LF	0		\$ -	Yes	\$ -	\$ -	
	New Waterline 12"	LF	0		\$ -	Yes	\$ -	\$ -	
	New Waterline 16"	LF	0		\$ -	Yes	\$ -	\$ -	
	New Sanitary Sewer 8"	LF	0		\$ -	Yes	\$ -	\$ -	
	New Sanitary Sewer 12"	LF	0		\$ -	Yes	\$ -	\$ -	
	Trees (36" box)	EA	0		\$ -	Yes	\$ -	\$ -	
	Tree Grates	EA	0		\$ -	Yes	\$ -	\$ -	
	Trees (24" box)	EA	0		\$ -	Yes	\$ -	\$ -	
	Shrubs (5 gallon)	EA	0		\$ -	Yes	\$ -	\$ -	
	Shrubs (1 gallon)	EA	0		\$ -	Yes	\$ -	\$ -	
	Cactus (5 gallon)	EA	0		\$ -	Yes	\$ -	\$ -	
	Decomposed Granite	SY	0		\$ -	Yes	\$ -	\$ -	
	Topsoil	SY	0		\$ -	Yes	\$ -	\$ -	
	Seeding	Acre	0		\$ -	Yes	\$ -	\$ -	
	Sod	SY	0		\$ -	Yes	\$ -	\$ -	
	Boulders	EA	0		\$ -	Yes	\$ -	\$ -	
	Irrigation System - Drip	LS	0		\$ -	Yes	\$ -	\$ -	
	Irrigation System - Turf	LS	0		\$ -	Yes	\$ -	\$ -	
	Irrigation Booster Pump	EA	0		\$ -	Yes	\$ -	\$ -	
	Landscape Header Curb	LF	0		\$ -	Yes	\$ -	\$ -	
	Landscape Establishment	LS	0		\$ -	Yes	\$ -	\$ -	
	Benches/Seatwalls	EA	0		\$ -	Yes	\$ -	\$ -	
	Bike Racks	EA	0		\$ -	Yes	\$ -	\$ -	
	Trash Receptacles	EA	0		\$ -	Yes	\$ -	\$ -	
	Drinking Fountains	EA	0		\$ -	Yes	\$ -	\$ -	
	Subgrade Preparation	SY	324	\$ 14.00	\$ 4,536.00	Yes	\$ 4,277.45	\$ 258.55	
	Erosion Control	LS	1	\$ 2,013.00	\$ 2,013.00	Yes	\$ 1,898.26	\$ 114.74	
	Utility Improvements	LS	0		\$ -	Yes	\$ -	\$ -	
	Misc. Work	LS	0		\$ -	Yes	\$ -	\$ -	
	Clearing and Grubbing	LS	1	\$ 17,250.00	\$ 17,250.00	Yes	\$ 16,266.75	\$ 983.25	
	Barb Wire Fence	LF	167	\$ 24.00	\$ 4,008.00	Yes	\$ 3,779.54	\$ 228.46	
	Concrete Valley Gutter	SF	50	\$ 21.00	\$ 1,050.00	Yes	\$ 990.15	\$ 59.85	
	Dust Palliative	LS	0		\$ -	Yes	\$ -	\$ -	
	Maintenance Traffic	LS	0		\$ -	Yes	\$ -	\$ -	
	Quality Control	LS	1	\$ 4,750.00	\$ 4,750.00	Yes	\$ 4,479.25	\$ 270.75	
	Headwall per MAG Standard Detail	EA	3	\$ 2,875.00	\$ 8,625.00	Yes	\$ 8,133.38	\$ 491.63	
			0		\$ -	Yes	\$ -	\$ -	
			0		\$ -	Yes	\$ -	\$ -	
			0		\$ -	Yes	\$ -	\$ -	
			0		\$ -	Yes	\$ -	\$ -	
			0		\$ -	Yes	\$ -	\$ -	
			0		\$ -	Yes	\$ -	\$ -	
			0		\$ -	Yes	\$ -	\$ -	
	Contingency	LS	0		\$ -	Yes	\$ -	\$ -	
	SUBTOTAL - CONSTRUCTION COST					\$ 611,865.00		\$ 576,988.70	\$ 34,876.31
	CONTINGENCY				10%	\$ 61,186.50	Yes	\$ 57,698.87	\$ 3,487.63
	CONSTRUCTION ADMINISTRATION (Assumes Certification Accepted Agencies have same costs as ADOT - 15%)				15%	\$ 91,779.75	Yes	\$ 86,548.30	\$ 5,231.45
	SUBTOTAL - CONSTRUCTION COST					\$ 764,831.25		\$ 721,235.87	\$ 43,595.38
SUMMARY OF FEDERAL AND NON-FEDERAL FUNDS	PRELIMINARY ENGINEERING				\$ 41,250.00	NA	\$ -	\$ 41,250.00	
	FINAL DESIGN - Stages II, III, IV and PS&E				\$ 54,400.00	NA	\$ -	\$ 54,400.00	
	RIGHT OF WAY ACQUISITION				\$ 2,350.00	NA	\$ -	\$ 2,350.00	
	UTILITY RELOCATIONS				\$ -	NA	\$ -	\$ -	
	CONSTRUCTION (Including Construction Administration)				\$ 764,831.25	NA	\$ 721,235.87	\$ 43,595.38	
	SUBTOTAL - PROJECT COST				\$ 862,831.25	NA	\$ 721,235.87	\$ 141,595.38	
	ADOT REVIEW FEES (\$10,000 for Certification Accepted Agency, Otherwise \$30,000)				\$ 30,000.00	No	\$ -	\$ 30,000.00	
PROJECT TOALS (Including ADOT Review Fees)					\$ 892,831.25	NA	\$ 721,235.87	\$ 171,595.38	
PM-10 Paving Application from Fort McDowell Yavapai Nation for 'FMYN Dirt Roads Paving Project'									

**Fort McDowell Yavapai Nation - FMYN Dirt Roads Paving Project
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	95,650.00	
2. Right of way	2,350.00	
3. Utilities	0.00	
4. Construction	764,831.25	
5. Total Cost w/o ADOT Review Fee	862,831.25	
6. ADOT Review Fee	30,000.00	Required. Please see ADOT Fee Sheet for additional information.
7. Total Cost with ADOT Review Fee	892,831.25	

Agency Programming

8. Please describe the programming of the project in the agency's own CIP/TIP.	Sufficient local funds for the construction phase of this project has already been added as a FFY 2017 project in the Nation's BIA TIP
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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)	2016	Pre-design and design underway		95,650	\$ -	\$ 95,650	100.0%
10. Right of way (Optional)	2016	Maps only, no R/W needed, completed w/design		2,350	\$ -	\$ 2,350	100.0%
11. Utilities (Optional)	2018	Included in the construction phase		0	\$ -	\$ -	
12. Construction	2018	Construct Pave dirt roads	FMYN funds	50,891	841,940	\$ 892,831	5.7%
				\$ 148,891	\$ 841,940	\$ 990,831	

PM-10 Paving Application from Fort McDowell Yavapai Nation for 'FMYN Dirt Roads Paving Project'

**Fort McDowell Yavapai Nation - FMYN Dirt Roads Paving Project
PART B1 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')**

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

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

Segment Description	Segment 1
1. Segment Location - Include segment beginning and ending limits	U Nee Way: Fort McDowell Road to 0.25 miles west
2. Length and Curb Miles	
a. Length (Miles) of the segment	0.2
b. Curb Miles: Miles of shoulders or curbs to be paved by direction (e.g. if discontinuous shoulder sections on both sides of the roadway are to be paved, enter the combined distance of shoulders to be paved).	
3. Please provide a map/graphic/photo that clearly shows the segment alignment and features that cross into or abut the alignment such as: washes, canals, railroad crossings, and other crossing features that may affect the project.	Please attach map with transmittal
4. Please provide a simple diagram of a typical cross section, including widths, of the segment that shows the current right of way limits, sidewalks and shoulders (if any), and the lanes of travel.	
5. Will the requested paving project pave a road, alley or shoulder within 4 miles of a PM-10 monitor? Which monitor?	No
Link to PM1- Monitors Map on the MAG Website	
6. Please describe the current surface condition of the shoulder, alley or road segment to be paved. Also is the surface graveled or use dust suppressants?	The road is a dirt road
7. Please describe traffic on the segment (e.g. weekday percent truck, etc.).	Primarily residential traffic with up to 15% trucks
8. Current Average Traffic (ADT)	50 AADT
9. Please describe methodology used to calculate ADT	Default value supported by the BIA roads database

**Fort McDowell Yavapai Nation - FMYN Dirt Roads Paving Project
PART B1 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')**

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

None currently known. A federally acceptable design concept report, including environmental clearance is underway

**Fort McDowell Yavapai Nation - FMYN Dirt Roads Paving Project
PART B1 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')**

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

Agency owns all ROW Needed

Yes

ROW to be acquired

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

Yes

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

None

**Fort McDowell Yavapai Nation - FMYN Dirt Roads Paving Project
PART B1 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')**

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Section 2 - Proposed Improvements	Segment 1
1. What is the type of paving project? (Choose all that Apply and Select Yes or No)	
Rural Road	Yes
Urban Road	
Subdivision Street	
Alley	
Shoulders	
Other (Describe)	
2. Please describe the work to be performed on the segment:	Cut, where needed, and install sub-grade and paving to match existing at both ends of the roadway.
3. Please provide a simple diagram of a typical cross section, including widths, of the segment that shows the proposed improvement(s) and the after construction right of way limits, sidewalks and shoulders (if any), and the lanes of travel.	
4. (Optional for shoulder and alley paving, required for road paving) Please describe vertical alignment changes.	There is less than 10 feet vertical difference within the length of the roadway
5. (Optional for shoulder and alley paving, required for road paving) Please describe horizontal alignment changes.	From west, there is a 30 degree left hand bend for the first 300 ft, a straightaway for 300 feet and a reverse curve (left/right) for 300 feet
6. (Optional for shoulder and alley paving, required for road paving) Design speed of the after construction segment.	25 mph
7. Please describe the type of paving for the segment.	The paving will be the standard 3 inches of AC on top of 4 inches of AB.
8. Non paving improvements to be included: (Choose All that Apply and Select Yes or No)	
Sidewalks	No
PM-10 Paving Application from Fort McDowell Yavapai Nation for 'FMYN Dirt Roads Paving Project'	

**Fort McDowell Yavapai Nation - FMYN Dirt Roads Paving Project
PART B2 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')**

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

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

Segment Description	Segment 2
1. Segment Location - Include segment beginning and ending limits	Gu Mah Road: Hillside Road to Sim Gweemah Road
2. Length and Curb Miles	
a. Length (Miles) of the segment	0.3
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?	No
Link to PM1- Monitors Map on the MAG Website	
6. Please describe the current surface condition of the shoulder, alley or road segment to be paved. Also is the surface graveled or use dust suppresants?	The road was originally paved but has deteriorated to the pont where complete repaving is necessary
7. Please describe traffic on the segment (e.g weekday percent truck, etc.).	Truck 15%
8. Current Average Traffic (ADT)	50 AADT
9. Please describe methodology used to calculate ADT	Default value supported by the BIA roads database

Fort McDowell Yavapai Nation - FMYN Dirt Roads Paving Project
PART B2 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')

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

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

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

None currently known. A federally acceptable design concept report, including environmental clearance is underway

**Fort McDowell Yavapai Nation - FMYN Dirt Roads Paving Project
PART B2 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')**

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

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

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

Agency owns all ROW Needed

Yes

ROW to be acquired

Owners will donate ROW

Condemnation may be required

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

None

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

Canals & Drainage

Power Lines & Cables

Pipelines, Sewer and Water

Private Structures

Other (Describe)

None

Yes

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

None

Fort McDowell Yavapai Nation - FMYN Dirt Roads Paving Project
PART B2 - SEGMENT DESCRIPTION AND PROPOSED IMPROVEMENTS
(All Items are Required, Unless Identified as 'Optional')

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

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

Section 2 - Proposed Improvements	Segment 2
--	------------------

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

Rural Road

Yes

Urban Road

Subdivision Street

Alley

Shoulders

Other (Describe)

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

Cut, where needed, and install sub-grade and paving to match existing at both ends of the roadway.

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.

From the start at Hillside Road, the roadway is flat for the first two hundred feet and then slopes downwards 45 feet in the next 1400 feet

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

From west, a 40 deg. RH bend for 300 ft, straight for 500 ft, a 20 deg. LH bend for 150 ft, straight for 100 ft, a 45 deg. RH bend for 250 ft and straight for 300 ft.

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

Primarily due the horizontal and vertical changes, the design speed is only 25 mph

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

The paving will be the standard 3 inches of AC on top of 4 inches of AB.

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

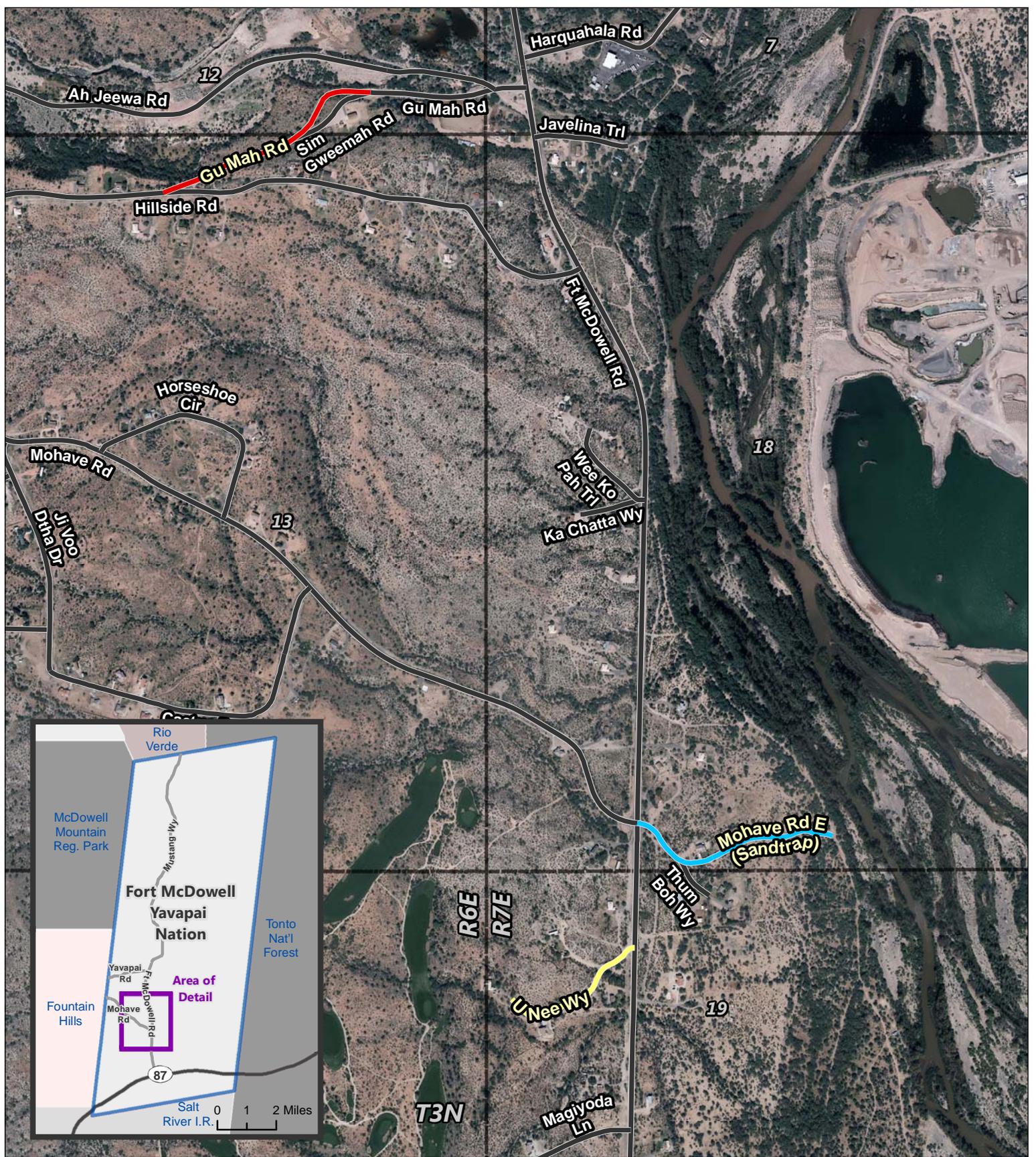
Sidewalks

No

Fort McDowell Yavapai Nation - Application for CMAQ Funds for Dirt Road Paving

The following is a list of the files and attachments being submitted for consideration for CMAQ funding for the FMYN Dirt Roads Paving Project.

1. This list of files and/or attachments;
2. An Excel file (the main application). This file has all of the appropriate tabs completed including Tabs B1, B2 and B3. Tabs B4 through B10 have NOT been used. The printed file contains only 25 out of 54 possible pages.
3. As requested in Part A, an overview map showing the location of all three roadway segments;
4. As requested in Part A, a set of (six) photographs showing all three roadway segments;
5. As requested in Part B1, a detail map showing the roadway segment for U Nee Way;
6. As requested in Part B1, a cross section detail for U Nee Way;
7. A scanned copy of the signed and dated version of Part E;
8. As requested in Part B2, a detail map showing the roadway segment for Gu Mah Road;
9. As requested in Part B2, a cross section detail for Gu Mah Road;
10. As requested in Part B3, a detail map showing the roadway segment for Mohave Road (East);
11. As requested in Part B3, a cross section detail for Mohave Road (East)
12. The GIS details will be included as part of the electronic submittal.



Ft McDowell Yavapai Nation Dirt Roads Project Overview Map (Part A)

Roads to be Paved

- Gu Mah Rd
- Mohave Rd E (Sandtrap)
- U Nee Wy
- Other FMYN Roadway
- Public Survey Section



Map Date: 09/11/2015

U Nee Way, near west end looking at west end of project:



U Nee Way, from Fort McDowell Road looking southwest:



Gu Mah Road, from 200 east of Hillside Road looking east:



Gu Mah Road, from end of existing paving, looking west:



Mohave Road (East), from intersection with Thum Boh Way looking east:



Mohave Road (East), from East limit (Maintenance Road) looking west





**Ft McDowell Yavapai Nation
Dirt Roads Project
U Nee Way (Part B1)**

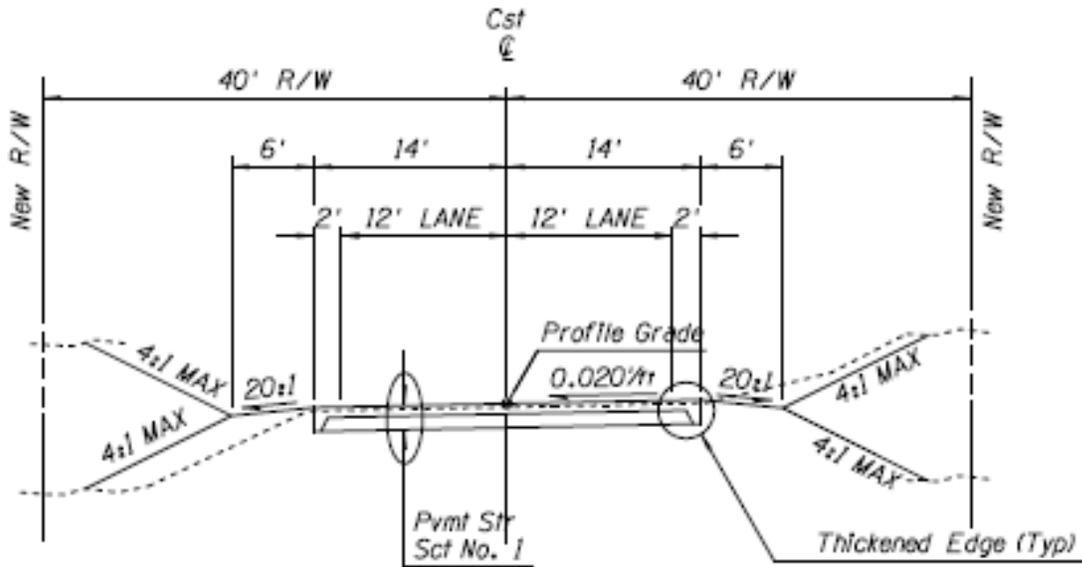
Roads to be Paved

-  U Nee Wy
-  Other FMYN Roadway
-  Public Survey Section



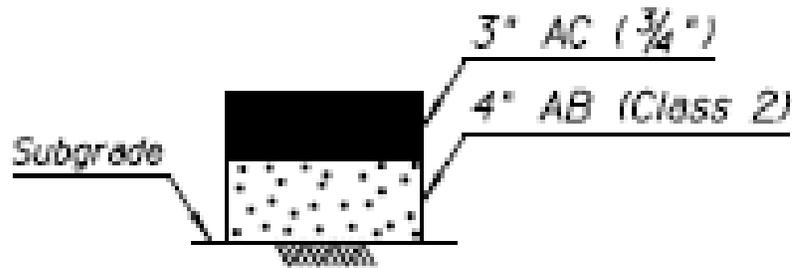
Map Date: 09/11/2015

Proposed Cross Section for U Nee Way:



U NEE WAY
Sta 100+16.77 to 110+89.50

Recommended Roadway Asphalt Cross Section

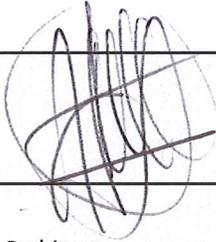


Total Thickness = 7"
SECTION NO. 1

**Fort McDowell Yavapai Nation - FMYN Dirt Roads Paving Project
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: Alfonso Rodriguez

Title: Director, Community and Economic Development Department, Fort McDowell Yavapai Nation

Date:

09/08/2015

Checklist - OPTIONAL

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

PART A - Contact, Project Description and Site Visit Fields	Complete?
Contact Information, fields 1 – 5 are complete	Yes
Project Description, fields 6, 7, 9 and 10 are complete	Yes
Project Description, field 8 – project map is provided in the printed application. Please attach a PDF file in the electronic submittal.	Yes
Site Visit Information, fields 11a and 11b	Yes
Site Visit Information, fields 11c Pictures attached.	Yes
PART B - Segment Description and Proposed Improvements Fields	Complete?
The number of complete Part B Segments match the number of segments listed in Part A, Field 9.	Yes
Segment Description, Section 1	
Fields 1 - 2 are complete	Yes
Field 3 – segment alignment map is provided in the printed application. Please attach PDF file in the electronic submittal.	Yes
Field 4 attach PDF file in the electronic submittal.	Yes
Fields 5 – 14 are complete	Yes
Proposed Improvements, Section 2	
Fields 1 – 2 are complete	Yes
Field 3 attach PDF file in the electronic submittal.	Yes
Fields 4 – 6 REQUIRED for Road and Street Segments and are complete.	Yes
Fields 4 – 6 OPTIONAL for shoulder and alley segments, please check box if complete.	Yes
Fields 7 – 10 are complete	Yes
PART C - Total Project Budget and TIP Programming Including All Segment Fields	
A cost estimate for PE has been developed (Rows 3-6)	Yes
A cost estimate for Final Design has been developed (Rows 8-11)	Yes
A cost estimate for Right of way has been developed (Rows 13-25)	Yes
A cost estimate for Utilities has been developed (Rows 27-34)	Yes
A cost estimate for Utilities has been developed (Rows 36-129)	Yes
PART D - Total Project Budget and TIP Programming Including All Segment Fields	Complete?



**Ft McDowell Yavapai Nation
Dirt Roads Project
Gu Mah Road (Part B2)**

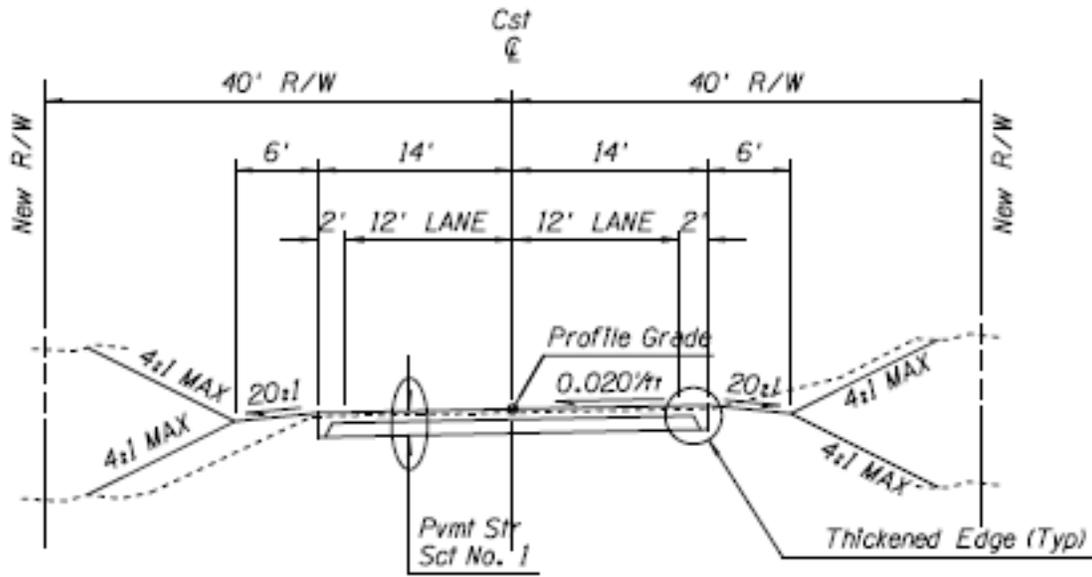
Roads to be Paved

- Gu Mah Rd
- Other FMYN Roadway
- Public Survey Section



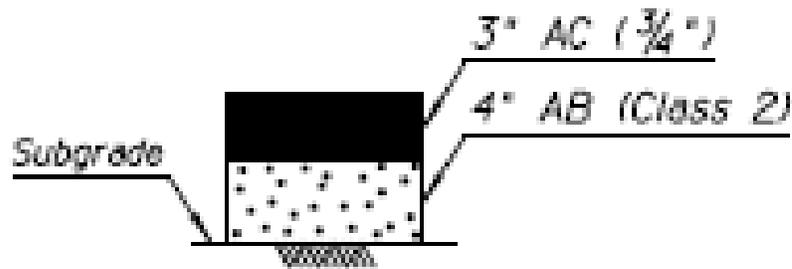
Map Date: 09/11/2015

Proposed Cross Section for Gu Mah Road:



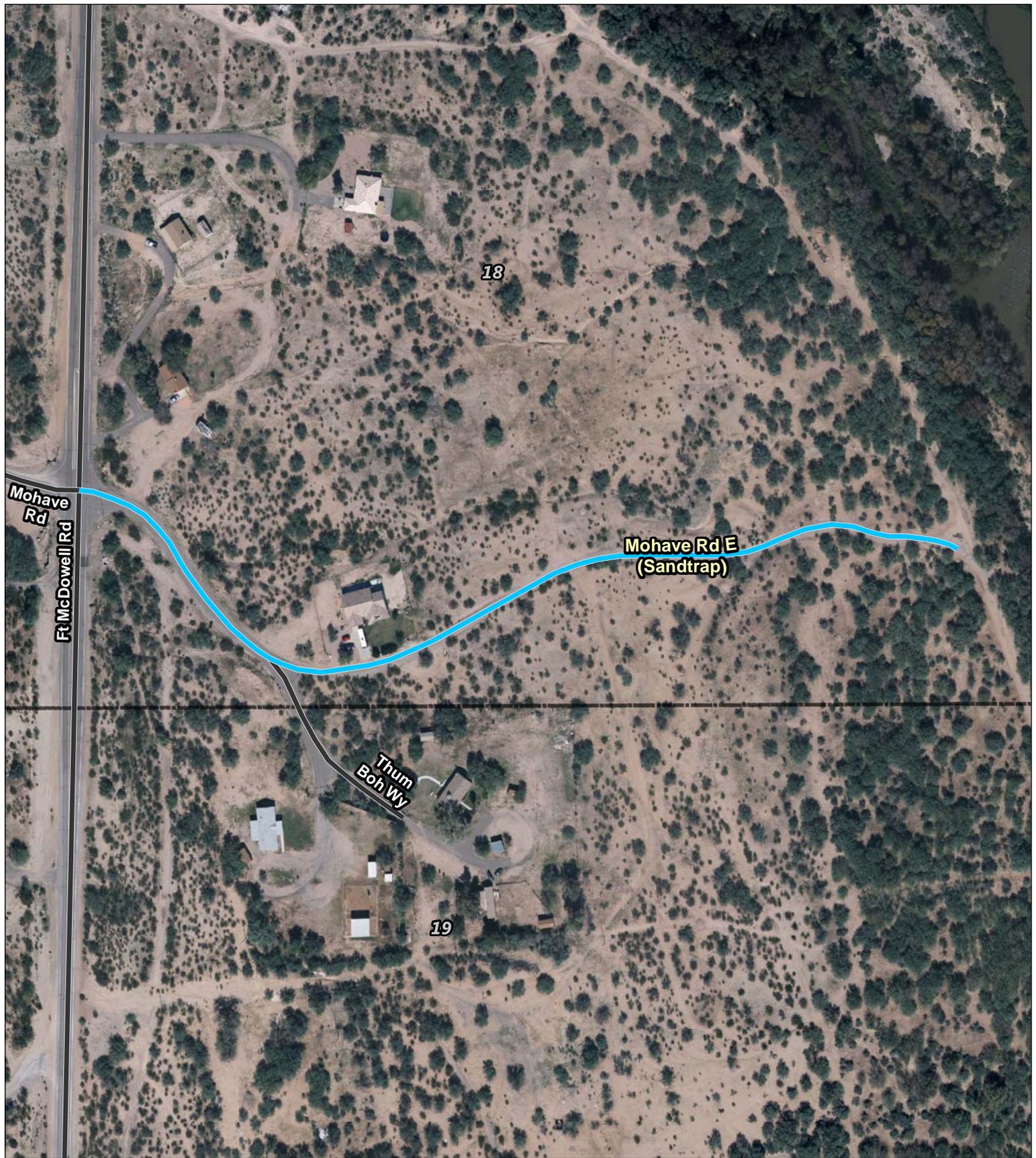
GU MAH ROAD
Sta 300+00.00 to 314+35.94

Recommended Roadway Asphalt Cross Section



Total Thickness = 7"

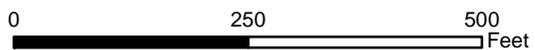
SECTION NO. 1



**Ft McDowell Yavapai Nation
Dirt Roads Project
Mohave Road E (Part B3)**

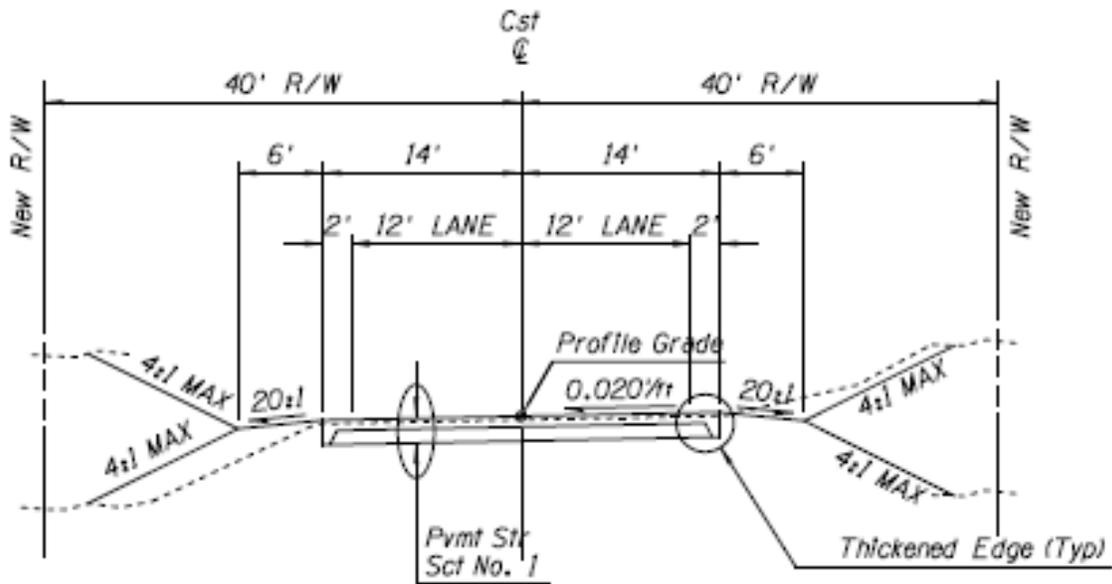
Roads to be Paved

-  Mohave Rd E (Sandtrap)
-  Other FMYN Roadway
-  Public Survey Section



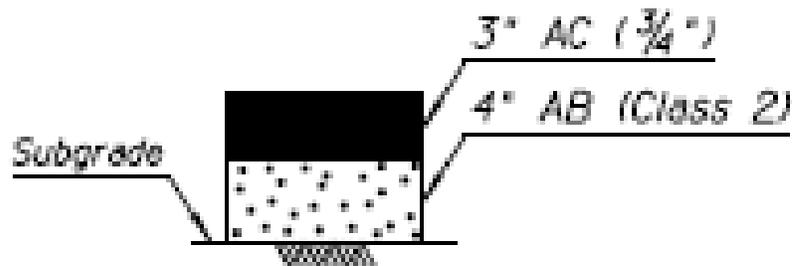
Map Date: 09/11/2015

Proposed Cross Section for Mohave Road (East) (AKA Sandtrap Road):



SANDTRAP ROAD
Sta 204+12.88 to 215+95.27

Recommended Roadway Asphalt Cross Section



Total Thickness = 7"
SECTION NO. 1