

**FY 2017 Application
Design Assistance Projects
(For Bicycle and Pedestrian Facilities)**



Due: Thursday, June 23, 2016 at 10:00 a.m.
(LATE OR INCOMPLETE APPLICATIONS WILL NOT BE ACCEPTED)

Amount Available: \$400,000



MAG DESIGN ASSISTANCE APPLICATION
DESIGN ASSISTANCE Funding Available for Federal Fiscal Year 2017

General Instructions:

This Excel form is to be used to request Design Assistance funding available through the Maricopa Association of Governments (MAG) for Federal Fiscal Year (FFY) 2017.

This application form includes:

- General Instructions
- Project Eligibility
- FHWA Policy for Repayment of Preliminary Engineering (PE) Costs
- MAG Disadvantaged Business Enterprise (DBE) Requirements
- Cover Sheet
- Part A - Contact and Project Overview
- Part B - Project Description
- Part C - Attachments
- Part D - Project Costs
- Part E - Checklist and Signature Page

Each part is a separate tab of this excel file. Please complete the Cover Sheet and Parts A - E.

Deadlines and Transmittal Instructions:

ONE Electronic Copy of the application is due to MAG by **10:00 a.m. Thursday, June 23, 2016**. The electronic application must include the Excel Application and all required/optional attachments. **ZERO (0) paper copies** are required for this application process. FTP Submittal Instructions will be provided upon request by applicants. Please email jstephens@azmag.gov to receive submittal instructions.

- 1) Submit your application via the FTP submittal instructions provided by MAG.
- 2) Send an e-mail to jstephens@azmag.gov to notify MAG that your application has been submitted.
- 3) You will receive an e-mail receipt from MAG notifying you that your application has been received.**

Late or incomplete applications will not be accepted.

If member agencies need additional information or have questions, they should contact Jason Stephens at (602) 452-5004 or by e-mail at jstephens@azmag.gov

MAG DESIGN ASSISTANCE PROJECT ELIGIBILITY

According to the Federal Highway Administration (FHWA), activities to develop the scoping phase/preliminary engineering for a project through the Design Assistance program may include:

- **Projects must be transportation facilities and not recreational facilities (do not use the word "trail")**
- Location, project area, length or size
- What is the need? Who will benefit?
- Design concepts or renderings
- Maps, graphics and photographs
- Coordination with nearby projects, other agencies and stakeholders
- Preliminary estimates of cost
- Preliminary review of environmental issues, impacts or constraints
- Preliminary review of anticipated utility impacts and drainage issues
- Preliminary look at right-of-way both existing and needed

Categories include:

1. Completion of the Regional Shared-Use Path and Canal Network, including:

- Shared-use path crossings or designated school crossing
- Mid-block crossings, not limited to pedestrian refuge islands and HAWK beacons
- Grade-separated crossings, such as underpasses and overpasses
- Facilities to provide access to regional shared-use path network

2. Bicycle and Pedestrian Access to Transit, including:

- Assessment of a one-mile radius around existing transit corridor to identify gaps and propose solutions for pedestrian and bicycle access to the transit facilities
- Assess the feasibility of constructing a bicycle, pedestrian, or shared-use facility

3. Bicycle and Pedestrian Facilities, including: but not limited to pedestrian refuge islands and HAWK beacons

- Feasibility of constructing a bicycle, pedestrian, or shared-use facility including along the existing regional path and canal network
- Gap filling/creating links, such as cul-de-sac connections and sidewalk easements between isolated neighborhoods
- Sidewalk improvements; bike lanes/paths and shoulders
- Safety improvements to existing pedestrian and bicycle facilities

Studies/Project Assessment/Preliminary Engineering projects will reference the MAG Pedestrian Design Guidelines, the MAG Bikeway Masterplan, the MAG Complete Streets Guide, MAG Regional Bicycle and Pedestrian Pathway-Rail Recommendations, the MAG Valley Path Brand & Wayfinding Signage Guidelines, the National Association of City Transportation Officials (NACTO) Urban Bikeway Design Guide, and American

FHWA POLICY FOR REPAYMENT OF PRELIMINARY ENGINEERING (PE) COSTS

The FHWA must require repayment of all Federal-aid reimbursements for Preliminary Engineering projects, including those authorized under the Advance Construction provision, when either right-of-way acquisition or construction has not started by the close of the 10th fiscal year following the fiscal year when the project was authorized.

The FHWA cannot grant an outright waiver of 23 U.S.C. 102(b). However, the FHWA may approve a State's request for a time extension to complete PE activities on a project that has been delayed for valid reasons.

The FHWA has a longstanding practice of not mandating repayment of PE funds when project termination is directly related to compliance with another Federal law. For instance, repayment of reimbursed PE costs would not be required if the FHWA and a State determine that a project should not be advanced as a result of findings during the National Environmental Policy Act (NEPA) process. To do otherwise could skew the NEPA process by causing a State to favor a "build" alternative to avoid repaying PE costs incurred during the NEPA review.

MAG DISADVANTAGED BUSINESS ENTERPRISE (DBE) REQUIREMENTS

Maricopa Association of Governments, as a Sub-recipient of Federal financial assistance, will administer and manage its contracts (from advertising, consultant selection, negotiation, contract execution, processing

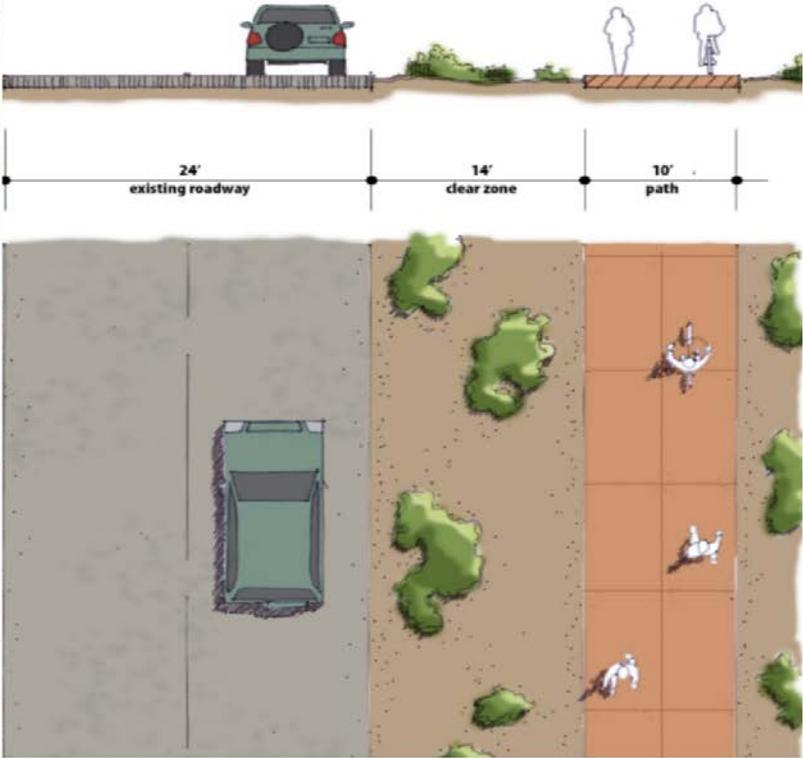
in USDOT-assisted contracts. It is also the policy of ADOT:

- To ensure nondiscrimination in the award and administration of USDOT-assisted contracts;
- To create a level playing field on which DBEs can compete fairly for USDOT-assisted contracts;
- To ensure that the DBE program is narrowly tailored in accordance with applicable law;
- To ensure that only firms that fully meet 49 CFR Part 26 eligibility standards are counted as DBEs;
- To help remove barriers to the participation of DBEs in USDOT-assisted contracts; and
- To assist in the development of firms that can compete successfully in the market place outside the DBE program.

Each Design Assistance contract with a Consultant will have DBE component.



Fort McDowell Yavapai Nation
FY17 Multi Path Design Assistance Application



DESIGN ASSISTANCE APPLICATION
for FY 2017

FORT MCDOWELL ROAD (SOUTH) - MULTI-USE PATH

FORT MCDOWELL YAVAPAI NATION

**APPLICATIONS ARE DUE VIA ONLINE SUBMITTAL BY
10:00 AM ON THURSDAY, JUNE 23, 2016**

DESIGN ASSISTANCE FY 2017 APPLICATION

Fort McDowell: Fort McDowell Road (South) - Multi-Use Path

PART A - CONTACT AND PROJECT DESCRIPTION

Contact Information	
1. Name of Sponsoring Agency	Fort McDowell
2. Project Manager Name and Title	Erika McCalvin, Planning and Projects Manager
3. Phone Number of Project Manager	480-789-7742
4. E-Mail Address of Project Manager	emccalvin@ftmcdowell.org
5. Mailing Address of Project Manager	Community and Economic Development Division P.O. Box 17779 Fountain Hills, Az 85269
Project Description	
6. Please provide the Project Title.	Fort McDowell Road (South) - Multi-Use Path
7. Please provide the amount of funding requested:	\$35,000
8. Please provide a specific description of the project (i.e. bike path or sidewalk, width, length, cement or asphalt, etc.) (250 character limit):	
The Nation wishes a 10 ft wide multi-use path parallel to Fort McDowell Road (South), SR-87 to 0.75 miles south to match planned facilities north of SR-87. Roadway design is complete but not the bike/ped facilities. Current study sets design parameters. This project will indicate how to amend roadway plans to include bike/ped so Nation may construct both as one project.	
9. Please provide the project limits:	
State Route 87 to the Nation's Southern Boundary (including the at-grade crossing of SR-87)	

DESIGN ASSISTANCE FY 2017 APPLICATION

Fort McDowell: Fort McDowell Road (South) - Multi-Use Path

PART B - PROJECT DESCRIPTION

1. What type of project is this?

- Bicycle lane (4' min. w/o curb/gutter)
- Bicycle lane (5' min. with curb/gutter)
- Buffered Bike Lane
- Protected Bike Lane
- Shared-use path (10' min.)

- Bike Share
- Grade-separated crossing
- Sidewalk (5' min.)
- Wide Sidewalk (8' min.)
- Detached Sidewalk with 4' min. buffer
- Midblock Crossing

2a. Please describe the existing condition of the project site and any problem(s) being addressed.

The site has a rural type roadway that has been recently designed for an upgrade to the roadway surface , drainage and lighting. The roadway width has not changed and there is plenty of room to design and construct a multi-use off-road path to provide alternative modes of transportation from the southern part of the Nation to the northern part of the community.

2b. Why is this project important to the community?

The southern part of the community has several residences and a large RV Park that operates all-year round. The northern part of the community is where all of the restaurants, transit and employment centers are located and, currently, there are no realistic options for walking or biking along what is a relatively short distance.

3. Connectivity: (Check all that apply)

Project fills a gap in the regional system
Explain:

The multi-use path down Fort McDowell Road will connect to Maricopa County's McDowell Mountain Park

Project connects to other local facilities
List the connected facilities:

Existing bicycle lane from SR-87 for 1/4 mile north and proposed multi-use path from SR-87 6.7 north to the Nation's Downtown area

Multi Jurisdictional Project

List of Participating Jurisdictions:

MCDOT (responsible for Fort McDowell Road) and ADOT (responsible for SR-87).

1 Total length of facilities connected by this project (in miles)

DESIGN ASSISTANCE FY 2017 APPLICATION

Fort McDowell: Fort McDowell Road (South) - Multi-Use Path

4. Describe how this project will improve access from nearby neighborhoods and/or adjacent uses:

Currently the only way for neighborhoods south of SR-87 to access facilities north of SR-87 is to drive there, when a well defined multi-use path would provide excellent opportunities for use by alternative modes of transportation such as pedestrianism and bicycling.

5. Describe how this project will improve access to transit:

Currently the only way for neighborhoods south of SR-87 to access the transit facilities north of SR-87 is to drive there, when a well defined multi-use path would provide excellent opportunities for alternative modes.

6. Describe how this project will address bike/vehicle or pedestrian/vehicle conflicts:

Currently there are no bicycle or pedestrian facilities, so bicycle users and pedestrians have major conflicts with vehicles when trying to travel north and south along the roadway.

7. What are the demographics of the area served:

[MAG Demographic Mapping](#)

- People Per Square Mile
- % Families in Poverty
- % Age 65 Plus

Use the MAG Demographic Mapping link above. Zoom in to your project area. On the right-hand side of the screen, under "Reports," select "Custom Summary." Next, select "Corridor of Interest." Left-click to begin drawing. Draw a line through all census blocks adjacent to your project, left-clicking where needed to change the direction of the line. Double-click to finish drawing the line. The selected census blocks will become highlighted in blue. A pop-up box will appear with "Report Results for Selected Block Groups." Select the "Summary Report" tab, and use the data found there. You may export the results to Excel (click the Excel icon at the top right side of the pop-up window) for your records.

8. How will this project benefit families in poverty?

The project will benefit ALL of the families in poverty within the area concerned by providing them opportunities to access to transit, restaurants and employment by bicycle and walking when, realistically, none currently exist.

DESIGN ASSISTANCE FY 2017 APPLICATION

Fort McDowell: Fort McDowell Road (South) - Multi-Use Path

9. How will this project benefit minority residents?

The project will benefit ALL minority residents within the area concerned by providing them opportunities to access to transit, restaurants and work by bicycle and walking when, realistically, none currently exist.

10. How will this project benefit elderly residents?

The project will benefit ALL elderly residents within the area concerned by providing them opportunities to access to transit, restaurants and work by bicycle and walking when, realistically, none currently exist.

11. How will this project benefit school children?

There are no schools within the vicinity, but the project will benefit ALL school children within the area concerned by providing them opportunities to access to transit by bicycle and walking when, realistically, none currently exist.

12. Please list any schools within 1/4 mile of the project:

0

13. How does the project benefit persons with disabilities?

The project will benefit ALL persons with disabilities within the area concerned by providing them opportunities to access to transit, restaurants and work by bicycle and walking when, realistically, none currently exist.

DESIGN ASSISTANCE FY 2017 APPLICATION

Fort McDowell: Fort McDowell Road (South) - Multi-Use Path

14. The project is: (Check one)

- Identified in General Plan, council adopted policy, or Capital Improvements Program (provide source)
List:
FY 2016-2020 BIA Transportation Improvement Program
- Consistent with general policy/practices, but not formally identified (provide source)
Explain:
An explanation of the Nation's desire to implement bicycle and pedestrian facilities is contained in the Nation's
- Not addressed by jurisdiction's plans, policies, or practices
Explain:

15. List the community partners that will be supporting the development and promotion of this project. Include city departments that will also be supporting the project.

FMYN Tribal Council; FMYN Community and Economic Development Department; Eagles Nest RV Park; Fort McDowell Casino; Radisson Fort McDowell Resort and Conference Center

16. Does the jurisdiction have a dedicated staff person to manage the project? Which city department will be responsible to provide information to the consultant?

Yes, Erika McCalvin, Community and Economic Development Department

17. Does the jurisdiction have base information available (topo survey, aerial photography, ALTA survey in electronic/digital format, easement information, utility placement information)?

All of this information is available as part of the roadway design engineering effort recently completed. The Nation owns ALL of the right of way within the project area.

Part C - Attachments

Listed below are the required attachments for this project application. These attachments are intended to demonstrate the need of the project. They should clearly show the segment alignment and features that connect to other bicycle, pedestrian, and/or shared-use facilities, as well as washes, canals, railroad crossings, and other crossing features that may affect the project.

PLEASE INCLUDE EACH ATTACHMENT AS A SEPARATE .JPEG OR .PDF FILE IN YOUR ELECTRONIC SUBMITTAL.

1. Please attach a map with street names clearly showing the project area boundaries and surrounding land uses, including a north arrow.

2. Please attach up to 2 aerial photos, if available (two 4x6 photos per page).

3. Please attach up to 4 photographs with captions of the study area showing the problems/issue (two 4x6 photos per page).

4. If the applicant is not the owner(s) of the project area, a letter of support and cooperation from the property owner(s) is required. This letter shall state that the property owner(s) agree to participate in the development of preliminary plans, and to permit improvements that may be identified as a result of this program.

5. (OPTIONAL) Up to 3 letters of support for the project.

DESIGN ASSISTANCE FY 2017 APPLICATION

Fort McDowell: Fort McDowell Road (South) - Multi-Use Path

PART D - PROJECT COSTS

1. What is the approximate cost for 15% preliminary plans* for this project? Estimate cost for each task below:

\$1,200	Scope of Work
\$2,200	Stakeholder and Core Team Meetings
\$1,500	Data Collection
\$800	Data Analysis
\$12,500	Project Assessment Report (Draft)
\$15,400	Project Assessment Report (Final)
\$1,400	Executive Summary and Regional Significance Report
\$35,000	TOTAL COST ESTIMATE FOR 15% PRELIMINARY PLANS (SHOULD MATCH PART A, #7)

*15% Preliminary Plans generally include:

- Project Information (location, description, map)
- Background data including the need for the project
- Project Scope (length, type of work, how it is to be constructed)
- Project Development
- Environmental overview
- Geotechnical and drainage requirements
- Critical outside agency involvement
- Preliminary Right-of-Way requirements
- Preliminary Utility relocation requirements
- Preliminary Traffic requirements
- Seasonal consideration
- Design Criteria
- Itemized Cost Estimate
- Schedule
- Preliminary Plans
- Preliminary Pathway Horizontal Layout
- Typical Sections
- Preliminary Aesthetic Concept
- Information on potential funding sources
- Executive Summary

2. What is the anticipated cost for the whole project (please break down costs by design, environmental, ROW, utilities, construction, etc)?

Roadway Design complete, including environmental, ROW and Utilities (\$175,000); Estimated changes to include the bike/ped facility (\$15,000 in addition to \$35,000 MAG Bike/Ped design assistance funds requested); Construction phase (\$2,252,000), including the proposed bike/ped facility.

3. Are there designated funds for construction of this project? If yes, what funding sources have been identified?

Designated construction funds have NOT been programmed at this time. However matching funds for a future federal grant have been identified. Possible major funding sources are TIGER Grant, BIA Discretionary funds and (partial) MAG Bike/Ped construction funds

DESIGN ASSISTANCE FY 2017 APPLICATION

Fort McDowell: Fort McDowell Road (South) - Multi-Use Path

4. If funding has NOT been identified for construction of the project, what efforts have been made to identify funds that could be used for this project?

The Nation has submitted requests for TIGER Grants in 2015 and 2016 and has approached the BIA regarding possible discretionary funds for upgrading Fort McDowell Road (South). No requests have been submitted for MAG Bike/Ped funds as the roadway upgrade project was originally started prior to the adoption of the Tribal Transportation Plan and the desire to include bike/ped facilities wherever possible and appropriate.

5. Are there funds for maintenance? Who has the responsibility for maintenance?

The Nation will be responsible for maintenance, supported by BIA funds.

6. Is an easement required for this project? If YES, please attach a Property Owner Letter of Support.

ALL rights of way are owned by the Nation.

DESIGN ASSISTANCE FY 2017 APPLICATION

Fort McDowell: Fort McDowell Road (South) - Multi-Use Path

PART E - SIGNATURE AND CHECKLIST

Checklist

This check list is included to facilitate applicant review and verification that all required fields in the form have been completed. **Incomplete applications will not be accepted.**

COVER SHEET	Complete?
Cover Sheet is completely filled out	Yes
PART A - Contacts and Project Description Fields	Complete?
Contact Information, fields 1 – 5 are complete	Yes
Project Description, fields 6 - 9 are complete	Yes
PART B - Project Description	Complete?
Fields 1 - 17 are complete	Yes
PART C - Attachments	Complete?
Attachment 1 - Map with street names	Yes
Attachment 2 - Aerial photos (if available)	Yes
Attachment 3 - Photographs with captions of the study area showing the problems/issues	Yes
Attachment 4 - Letter of Support and Cooperation from Property Owner (if required)	No
Attachment 5 - Up to 3 Letters of Support (OPTIONAL)	Yes
PART D - Project Costs	Complete?
Fields 1-6 are complete	Yes
PART E - Signature and Checklist	Complete?
Entire checklist is completed.	Yes
Form is signed by MAG member agency's manager or administrator.	Yes
Name, title and date fields under the signature are completed.	Yes

SIGNATURE:

As the MAG member agency's manager or administrator, I certify that this application is accurate and complete, that local agency staff time and data will be required for this project, and that the project will be included in the sponsoring MAG member agency's local CIP/TIP if the project is selected for federal construction funding.

Signature:	 Erika McCalvin on behalf of
Name:	for Alfonso Rodriguez
Title:	Director, Community and Economic Development Department
Date:	6/22/2016

Attachment 1: Map with Street Names



Attachment 2: Aerial Photo:



Attachment 3: Photos with captions showing problems:



The above photo is taken from approximately 1/8th mile south of SR-87 and is looking south along Fort McDowell Road (South) towards the RV Park in the distance. The roadway is wide enough at this point and, although it displays vertical and horizontal changes in alignment, these are being addressed as part of the roadway upgrade plans. It also shows a complete lack of bicycle and pedestrian facilities that could easily make this section of roadway much more attractive to bicyclists and pedestrians.

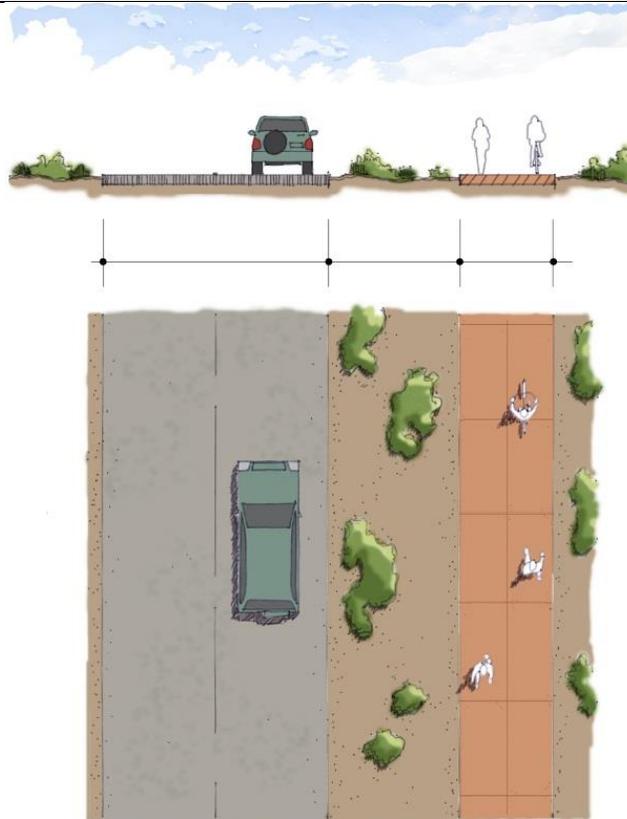


The above photo is taken from approximately 1/16th mile south of SR-87 and is looking north along Fort McDowell Road (South) towards the intersection with SR-87. The request for MAG Bike/Ped Design Assistance funds includes an exploration of ways to address the crossing of SR-87 for bicycle and pedestrian traffic.

Attachment 3: Photos with captions showing problems:



The above photo is take from just north of Water Treatment Road looking northeast along Fort McDowell Road (South) towards the southern end of the RV Park on the east side of the road. As can be seen, the roadway shows different levels of maintenance and indicates the possibility of constructing a multi-use path on either side of the road.



The above sketch shows a likely configuration of the roadway/multi-use path prism

Attachment 4: As the Nation owns ALL of the right of way needed, property owner support letters are NOT needed.

Attachment 5: The following two letters of support are attached.



Maricopa County
Parks and Recreation Department

48835 N. Castle Pkwy Spring
Bld - Unit Operations Center
Mesa, Arizona 85212
Phone: 928-901-9200
www.maricopa.gov/parks

June 25, 2014

Erika McCalvin
Planning & Projects Manager
Community & Economic Development Division
Fort McDowell Yavapai Nation
P.O. Box 17779
Fountain Hills, AZ 85269

Re: Maricopa Trail

Dear Ms. McCalvin,

Maricopa County Parks and Recreation is currently in the planning stage of developing the Maricopa Trail between our McDowell Mountain Regional Park and Utery Mountain Regional Park. The Maricopa Trail is a planned 240 mile trail that connects the 10 county parks. The trail is made up of many different types of trails including 4 foot dirt paths, community sidewalks and canal operations and maintenance (O&M) roads, all with the permission of the land owner. The trail is for equestrian, hiking and mountain biking with no motorized vehicles. The original plan from 2004 planned a route from McDowell Mountain Park southwest to the Central Arizona Project (C.A.P.) canal and then following that canal over to the Granite Reef Dam on the Salt River. We think that a route through your community would be much more scenic and attractive to travelers.

We see great potential using a route through your community because of the scenic attributes, access to wildlife viewing and the historical significance of your community. It would provide an uninterrupted route through an area of complex land ownership, a safe route off the edge of roadways and could offer a historical perspective to travelers with the addition of interpretive signs about your community and its rich heritage. This trail could offer excellent recreation opportunities and benefits for your community.

One point I would like to stress is the number of travelers that this route would accommodate. Since the Maricopa Trail is a long linear route with little or no opportunity for loop hikes or rides, the number of travelers that hike the full route is very minimal and would have a small impact on your community. We have found that we require regular maintenance on most of our segments due to these low numbers. If traffic were heavier then little or no maintenance would be required. However, visitors to your resort could have easy access to the trail for hikes or rides

Maricopa Trail
June 25, 2014
Page 2 of 2

that would be an attraction for a more diverse clientele that would include hikers, bikers, horseback riders, birders and general nature lovers.

We fully support the development of this trail system. The Maricopa County Board of Supervisors has created a special fund for the development and construction of the Maricopa Trail and we would be willing to join your effort with financial, engineering and construction support.

Sincerely,

A handwritten signature in black ink that reads "John J. Rose". The signature is written in a cursive style with a large, looped initial "J".

John J. Rose, R.L.S.
Maricopa Trail Manager
(928) 501-9216
johnrose@mail.maricopa.gov



Maricopa County

McDowell Mountain Regional Park

P.O. Box 18415
Fountain Hills, AZ 85269-8415
Phone: 480-471-0173
Fax: 480-471-3523
www.maricopa.gov/parks

June 25, 2014

Erika McCalvin
Planning & Projects Manager
Community & Economic Development Division
Fort McDowell Yavapai Nation
P.O. Box 17779
Fountain Hills, AZ 85269

Re: Maricopa Trail

Ericka McCalvin:

The Maricopa Trail is an enormous undertaking and when completed will provide a link with most of the valley's cities and towns. The possibility of the trail also linking Fort McDowell Yavapai Nation is very exciting and something that we very much support.

This past spring the Maricopa Trail reached McDowell Mountain Regional Park. Although there are some unfinished sections along the way, we hear from our park visitors much they enjoy riding and hiking it.

Having a connection with Fort McDowell Yavapai Resort and knowing that out of town visitors can book their lodging at Fort McDowell and have trail connections to this park and further reaches of trail ensure that Fort McDowell will become a destination for travelers.

I offer my support of Fort McDowell's trail planning efforts and look forward to working closely with the Yavapai Nation to complete the Maricopa Trail.

A handwritten signature in black ink, appearing to read "Rand Hubbell".

Rand Hubbell, Park Supervisor
McDowell Mountain Regional Park
Maricopa County Parks and Recreation Department