| BROKEN CURB | IN SOME CASES THE CURB IS TOTALLY BROKEN AND DETERIORATED |
| BADLY MARKED PAVEMENT AT SCHOOL CROSSING | DIFFICULT FOR ELDERLY, HANDICAPPED PEOPLE TO USE THE CRUMBLING SIDEWALKS |
| BIKE RIDERS USE THE SIDEWALKS INSTEAD OF SHARING THE ROAD |

Transportation Alternatives / CMAQ Application for FY 2021 and FY 2022 Projects

Avenida del Yaqui Bicycle and Pedestrian Improvement Project (NB)

Town of Guadalupe

APPLICATIONS ARE DUE AT MAG OFFICES BY Monday, September 25, 2017 at 10:00 a.m.

(LATE AND/OR INCOMPLETE APPLICATIONS WILL NOT BE ACCEPTED)
PART A - CONTACT AND PROJECT DESCRIPTION

<table>
<thead>
<tr>
<th>Contact Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Name of Sponsoring Agency</td>
</tr>
<tr>
<td>2. Agency Contact Name</td>
</tr>
<tr>
<td>3. Phone Number of Agency Contact</td>
</tr>
<tr>
<td>4. E-Mail Address of Agency Contact</td>
</tr>
<tr>
<td>5. Mailing Address of Agency Contact</td>
</tr>
</tbody>
</table>

Project Description

6. Please provide the Project Title. Avenida del Yaqui Bicycle and Pedestrian Improvement Project

7. Please provide a concise, specific description of the project (250 character limit):

The project consists of the northbound overlay and restriping of the existing asphaltic concrete pavement and removal and reconstruction of existing concrete curb, gutter and sidewalk along the Avenida del Yaqui corridor. Restriping is to include 5-ft bike lanes and a 2-ft buffer between the bike lanes and vehicular traffic as shown on Exhibit 4. The striping will include pedestrian crosswalks. Existing traffic signage will be removed and replaced. All of the work will be done within the existing right of way (ROW). The ROW varies along the Avenida from 33 to 55 ft. The project length is approximately 0.75 miles. The project will convert Avenida del Yaqui into a much safer venue for motorists, bicyclists and pedestrians, including residents and school children.

8. Please provide the project limits:

Northbound Avenida del Yaqui, on the north from the intersection of the Highline Canal and Avenida del Yaqui to the intersection of Calle Carmen and Avenida del Yaqui on the south, as shown on Exhibit 1.
## PART B - DETAILED PROJECT DESCRIPTION

This part of the form identifies the current characteristics and proposed improvements for each project.

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.

NOTE: For Part B, Questions 14-20, the specified distance will vary (and update automatically) depending on the project type identified in Part B, Question 1. Pedestrian-only projects will use a distance of 1/4 mile, while bicycle and Shared-Use projects will use a distance of 1/2 mile.

1. Please select which funding source(s) this project is applying for. Check all that apply.

   - Congestion Mitigation and Air Quality (CMAQ)
   - Transportation Alternatives (TA)

2. What type of project is this? (Check all that apply)

   - 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.)
   - Sidewalk (5' min.)
   - Planning Study
   - Shoulder paving is within 4-miles of a PM-10 Monitor
   - Wide Sidewalk (8' min.)
   - Detached Sidewalk with 4' min. buffer
   - Signalized Crossing
   - Other:

3. What other major elements are included in this project? (Check all that apply)

   - Bridge (overpass)
   - Tunnel (underpass)
   - Signalized midblock crossing/HAWK
   - Countdown Pedestrian Signal
   - Other:

4. What amenities are included in this project?

   | Number of Bike racks/lockers | 8 | Number of Seating/Rest Area(s) |
   | Number of Drinking Fountains |   | Number of bicycle/pedestrian counting devices |
   | Number of Way-finding Signs | 11 | Number of bicycle/pedestrian counting devices |
   | Number of Trash receptacles |   | Other: |
   | Number of Trees |   | |
   | Number of new openings in street walls | 5 | Number of Shade Structures |

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

Currently the sidewalks and the roadway pavement on Avenida del Yaqui are deteriorated beyond their useful life and need to be reconstructed. There are safety concerns with the current state of the street for drivers, bicyclists, and pedestrians. Please see Exhibits 2 and 3. The Avenida lacks striped bike lanes so bicyclists are forced to share the sidewalks with pedestrians, including children and senior citizens. Additionally, children on their way to and from the Frank Elementary School are not protected by the appropriate signalization, striping and other features common at school crossings.
6. Please describe the work being done and improvements being made as part of this project.

As can be seen in Exhibit 4, the project includes striped 5-ft wide bike lanes on each side of the street, separated from the vehicular traffic by a striped 2-ft wide buffer. At the center of the buffer lane there will be reflective, raised domes spaced every 40 feet. Currently the street is not fit to accommodate bicyclists so those riding bicycles are forced to use the sidewalks, in conflict with the pedestrians. (Please see Exhibit 2.) The improved street will provide a clear separation of motorists, bicycles, and pedestrians.

7. What do you hope to achieve with this project?

The project will connect Avenida del Yaqui sidewalks to an existing 8 foot-wide trail on Guadalupe Rd which connects to the regional Sun Circle Trail, including a planned pedestrian crossing over the I-10 that will connect Ahwatukee to Calle Guadalupe. At the northern terminus of the project, the sidewalk will connect to the multiuse path of the Highline Canal. It will also connect sidewalks at Baseline Rd on the north and Calle Carmen St on the south at Priest.

8. Safety improvements to be included for this project: (Check all that apply)

- Medians with pedestrian crossing islands
- Roadway Reconfiguration (Road Diet)
- X Striping/re-striping to narrow vehicle lanes
- Color pavement or similar treatment
- X Lighting
- Landscape buffer between sidewalk and roadway
- Rectangular Rapid Flash Beacon (RRFB)
- Driver Feedback Sign

Other
Illuminated stop signs. Illuminated cross walk signs and In-Pavement LED Crosswalk Markers where no stop sign exists.

9. Does this project include a road safety education component?

- X Yes
- No

Please Explain:
The Town of Guadalupe will host road safety education outreach seminars at the Town Hall and include road safety education pamphlets in water bills to all residents.

10. How does this project or planning study address safety?

The improved streetscape will offer safety features including clearly marked pedestrian crossings so residents will have better and safer access when using the corridor for shopping, walking to the bus stops, crossing the street, going to and from school and visiting other residents.

11. How does the project improve ADA facilities for persons with disabilities?

All the sidewalks on each side of Avenida del Yaqui will be redesigned and rebuilt to current ADA standards with ramps and street striping to benefit persons with disabilities. New installation to include audible notification at selected locations.
12. Describe how this project will improve access from nearby neighborhoods and/or adjacent uses:

The much improved streetscape will offer safety features including clearly marked pedestrian crossings so residents will have improved access when using the corridor for shopping, walking to the bus stops, crossing the street, going to and from school and visiting other residents.

13. How does the project create a sense of place?

The Town of Guadalupe is predominately pedestrian. There are a substantial number of senior citizens as well as many families who do not drive. This forces many residents to walk or bicycle to work, do their shopping, or to socialize. The Town of Guadalupe is concerned about the many vehicle-pedestrian crashes on record and would like to be able to offer a safer venue for pedestrians and bicyclists alike. (Please see Exhibit 5.) The Town is certain that the improvements will result in a safer alternative to the current conditions and it will stimulate local business as more residents will be encouraged to walk and patronize along the Avenida.

14. Connectivity: (Check all that apply)

- [X] Project fills a gap in the system
  
  Explain:
  
  It will fill the gap from the project terminus to Baseline Rd on the north and Calle Carmen St on the south at Priest for bicycle and pedestrian facilities.

- [X] Project connects to other local bikeways
  
  List of connected bikeways:
  
  The project will tie Avenida del Yaqui to the existing 8 foot-wide trail on Guadalupe Rd which connects to the regional Sun Circle Trail and the future pedestrian crossing over the I-10 that will tie Awhataukee with Calle Guadalupe. Additionally, the project at its northern terminus, will connect to the pedestrian facilities of the Highline Canal.

- [X] Multi Jurisdictional Project (please include letter of support (See Part C)
  
  List of Participating Jurisdictions:
  
  Pascua Yaqui Tribe, City of Tempe, Salt River Project and Guadalupe Fire Department.

- [ ] Total length of bikeways directly connected by this project (in miles)

15. Number of transit stops this project will connect to. Do NOT count major transit facilities (park and rides, transit centers, etc.) in this question. List associated route(s) and their peak frequency, using Valley Metro as the source.

- [X] Within 1/2 mile

16. Number of transit routes serviced by the transit stops in question 15 that this project will connect to. List associated route(s) and their peak frequency, using Valley Metro as the source.

- [X] Within 1/2 mile
  
  List routes and frequency:

17. Number of major transit facilities (park and rides, transit centers, etc.) served by this project:

- [X] Within 1/2 mile
  
  List:
18. Number of non-commercial activity centers (parks, libraries, senior centers, recreational centers, etc.) this project will benefit:

<table>
<thead>
<tr>
<th></th>
<th>Within 1/2 mile</th>
</tr>
</thead>
<tbody>
<tr>
<td>List:</td>
<td>The project links the Guadalupe Municipal Senior Center, Town of Guadalupe Municipal Offices, the Town of Guadalupe Tianguis/Mercado, the Pascua Yaqui Tribal offices, Guadalupe Presbyterian Church, Santa Lucia Yaqui Church, Our Lady of Guadalupe Catholic Church, Biehn Baseball Park, Frank Elementary school, South Mountain Community College Guadalupe Center, Boys and Girls Club of The East Valley Guadalupe Branch, Maricopa County Library Guadalupe Branch, Maricopa County Human Servies-Guadalupe Head start, Stottlemyer Base Ball Park.</td>
</tr>
</tbody>
</table>

19. Number of commercial and employment destinations (malls, retail centers, business parks, etc.) this project will benefit (for example, a mall is ONE destination; do NOT count every store in a mall as a separate destination):

<table>
<thead>
<tr>
<th></th>
<th>Within 1/2 mile</th>
</tr>
</thead>
<tbody>
<tr>
<td>List:</td>
<td>Wal-Mart, Castle Furniture, Best Western Hotel, Inn Suites, Ramada Inn, Arizona Mills Mall, Waffle House, and several quick shops.</td>
</tr>
</tbody>
</table>

20. Number of K-8 public schools this project will benefit:

<table>
<thead>
<tr>
<th></th>
<th>Within 1/2 mile</th>
</tr>
</thead>
<tbody>
<tr>
<td>List:</td>
<td>Frank Elementary School, Maricopa County Human Servies, Guadalupe Head Start.</td>
</tr>
</tbody>
</table>

21. Number of other schools (charter schools, high schools, colleges, and universities) this project will benefit:

<table>
<thead>
<tr>
<th></th>
<th>Within 1/2 mile</th>
</tr>
</thead>
<tbody>
<tr>
<td>List:</td>
<td>South Mountain Community College.</td>
</tr>
</tbody>
</table>

22. Number of activity centers for air quality cost effectiveness (i.e. bank, church, hospital, health care facility, light rail station, park-and-ride lot, office park, post office, public library, shopping area, grocery store, university or junior college):

<table>
<thead>
<tr>
<th></th>
<th>Within 1/4 miles</th>
</tr>
</thead>
<tbody>
<tr>
<td>List:</td>
<td>Maricopa County Public Library, Maricopa Integrated Health Facility, Santa Lucia Yaqui Church, Our Lady of Guadalupe Catholic Church, Guadalupe Presbyterian Church, Wal-Mart, Arizona Mills Mall.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>1/4 miles to 1/2 miles</th>
</tr>
</thead>
<tbody>
<tr>
<td>List:</td>
<td>United States Post Office (Tempe/Priest), South Mountain Business Park, Rustler's Rooste Restaurant.</td>
</tr>
</tbody>
</table>
23. What are the demographics of the area served: MAG Demographic Mapping

<table>
<thead>
<tr>
<th>People Per Square Mile</th>
<th>% Families in Poverty</th>
</tr>
</thead>
<tbody>
<tr>
<td>6263</td>
<td>25</td>
</tr>
</tbody>
</table>

Use the MPO/COG Demographic Mapping link above. Zoom in to your project area. On the right-hand side of the screen, under “Reporting,” select “Custom Summary.” Next, select “Corridor of Interest.” Left-click to begin drawing. Draw a line through all census block groups 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 block groups will become highlighted in blue. A pop-up box will appear with “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 printer icon at the top-right side of the pop-up window) for your records.

24. Please provide the following information on the facility on which the improvement will be located.

For a linear project, please enter the Facility Name, Starting Limit and Ending Limit:

Avenida del Yaqui: Baseline Rd to Calle Carmen St.

For a point project (e.g. an intersection or crossing), please enter a Facility Name and a Crossing Feature:

Federal Functional Classification of the Facility:

- Minor Arterial

Type of Facility the Improvement will be located on:

- Arterial Road

<table>
<thead>
<tr>
<th>Length (in Miles)</th>
<th>Posted Speed Limit (MPH)</th>
<th>Number of Travel Lanes Before Project</th>
<th>Number of Travel Lanes After Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.75</td>
<td>25</td>
<td>3</td>
<td>3</td>
</tr>
</tbody>
</table>
25. Please provide an estimated traffic volume (ADT) on the nearest parallel arterial.

6,296 ADT Estimate
4/22/10 Date Counted

Name of road the traffic count was taken from
Avenida del Yaqui

Description of Methodology and Source used for the ADT Estimate
ADT was gathered from the MAG Traffic Counts Portal (http://magtrans.org)

26. 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.

Describe any known cultural, historical and biological resources, hazardous materials or other environmental issues that could affect work on the segment.
None

27. Current ROW: (Check all that apply)

X Agency owns all ROW Needed

Agency owns easement

Row to be acquired

Agency has right-of-use (i.e. canal)

Owners will donate ROW

Condemnation may be required

28. Please describe any right of way issues associated with the project.

No new ROW to be purchased. May need to acquire temporary construction easement to tie into existing driveways at residential, commercial and school locations.

29. Please indicate whether all parcels for this project have been inventoried.

x Yes

No
PART B-DETAILED PROJECT DESCRIPTION

30. Current Utilities in or abutting the alignment: (Check all that apply)

- [ ] No Utility in or abutting the alignment
- [X] Canals & Drainage
- [X] Power Lines & Cables
- [X] Pipelines, Sewer and Water
- [ ] Private Structures
- [ ] Other:

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

Possible utility conflicts. To be addressed during preliminary design.

32. Guidelines used to develop project: (Check all that apply)

- [ ] AASHTO Guide for Bicycle Facilities
- [X] MAG Pedestrian Policies and Design Guidelines
- [ ] MAG Complete Streets Guide
- [ ] MAG Designing Transit Accessible Communities
- [ ] MAG Valley Path Brand & Wayfinding Signage Guidelines
- [ ] NACTO Urban Bikeway Design Guide
- [X] RPTA Bus Stop Program and Standards
- [ ] Other:

33. Jurisdiction has the following policies for improved bicycle/shared use facilities:

- [ ] With new development and capital improvement projects, bike lanes on arterial streets are:
- [ ] Not Addressed
- [X] Recommended

- [ ] With new development and capital improvement projects, bike lanes on collector streets are:
- [ ] Not Addressed
- [X] Recommended

- [ ] With pavement restoration or regular pavement maintenance on arterial streets, bike lanes are:
- [ ] Not Addressed
- [X] Recommended

- [ ] With new development or during development retrofits, shared-use paths are:
- [ ] Not Addressed
- [X] Recommended

- [ ] Bicycle program implemented, including bike education, safety events, and bike maps
- [ ] Yes
- [X] Yes

- [ ] Complete Streets Policy
- [ ] Yes
- [X] Yes

34. The project is: (Check one)

- [X] Identified in General Plan, council adopted policy, or Capital Improvements Program (provide source)
  List:
  Guadalupe Master Plan 1990-2010.

- [X] Consistent with general policy/practices, but not formally identified (provide source)
  Explain:
  Project has been approved by Council, it fits with primary objectives of youth education and safety.

- [ ] Not addressed by jurisdiction’s plans, policies, or practices
  Explain:
### PART B-DETAILED PROJECT DESCRIPTION

#### 35. How will the applicant measure the success of this project?

Monitor bicycle/pedestrian crashes, monitor complaints from handicap and elderly having to use roadway to pass sidewalk obstructions. On an annual basis, surveys will be sent out with water bills. An online survey will be announced via marquee, social media and Town of Guadalupe special events.

#### 36. Will bicycle/pedestrian count technology be incorporated? Will the devices broadcast automatic updates or require manual data collection? If manual, how will the agency identify staff resources to dedicate to collecting the data?

Possibility for post project RSA with Maricopa Association of Governments.

#### 37. Will the project include an education/marketing component upon completion of construction, to publicize the project and increase citizen awareness of the project impact and benefits? If yes, please describe below.

The Town of Guadalupe will coordinate with Frank Elementary School to sponsor a Walk to School Day Event. The Town of Guadalupe will host road safety education and outreach seminars at the Town Hall and include road safety education pamphlets in water bills to all residents.

#### 38. Will the project include wayfinding signage elements? If yes, please describe below.

A minimum of three signs will be posted on each side of Avenida del Yaqui indicating the direction of the bicycle/pedestrian path. Signs may also be posted along Highline Canal indicating the directions of the bicycle/pedestrian paths.
**Part C - Required 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 ON YOUR APPLICATION CD.**

Please insert ALL attachments at the end of your printed application, in the order they are listed below. See below for alternate submission requirements for GIS coverage files.

**Required Attachments:**

1) Please attach a map showing the general location of the proposed project in relation to the region, including a north arrow.

2) Please attach a map with streets labeled showing the detailed location(s) of the proposed project, including a north arrow.

3) Please attach up to four photos indicating existing conditions in the project area (two 4x6 photos per page).

4) Please attach a simple diagram of the current typical cross section of the segment, that shows the right of way limits, widths, sidewalks and shoulders (if any), and the lanes of travel.

**OPTIONAL Attachments:**

(Optional) Attach up to two photos showing what the completed project will look like, if available (these can be photoshop, renderings, etc.).

(Optional) Attach up to three (3) letters of support for the project.

(Optional) If the applicant will be providing a GIS coverage (shapefile or geodatabase), please see the tab labeled "GIS Transmittal Instructions"
September 21, 2017

RE: Letters of Support for the Avenida del Yaqui Bicycle and Pedestrian Improvement Project.

Attached are letters of support from varying agencies in regards to the Avenida del Yaqui Bicycle and Pedestrian Project investment area.

All agencies continue their support for the investment to the project area and would be happy to answer any questions that may arise as it relates to their support.

Sincerely,

Bob Thaxton
Interim Town Manager
Town of Guadalupe
480-505-5374
DIFFICULT FOR ELDERLY, HANDICAPPED PEOPLE TO USE THE CRUMBLING SIDEWALKS

BADLY MARKED PAVEMENT AT SCHOOL CROSSING

SCHOOL CROSSING NOT CLEARLY MARKED

RESIDENTS WALK ALONG THE AVENUE

BIKE RIDERS USE THE SIDEWALKS INSTEAD OF SHARING THE ROAD

RESIDENTS WALK ACROSS THE AVENIDA
MISS-ALIGNED CURB, BROKEN SIDEWALK

BROKEN CURB

HEAVING CURB

IN SOME CASES THE CURB IS TOTALLY BROKEN AND DETERIORATED
EXISTING CONDITIONS AT
ELEMENTARY SCHOOL STREET CROSSING
THERE IS NOT A DESIGNATED STREET CROSSING

PROPOSED STREET CROSSING AT
ELEMENTARY SCHOOL

NEW VERTICAL CURB/GUTTER
DELINEATOR POST
40' APART
NEW SIDEWALK
CURB RAMP

SCHOOL SPEED LIMIT
15 MPH
7:30 AM TO 3:30 PM SCHOOL DAYS

3035 PM SCHOOL DAYS

BIKE LANE
2 BIKE SEPARATOR STRIPING, TYP
5' BIKE LANE TYP
2 BIKE SEPARATOR STRIPING

10' MIN
40' TYP

NEW VERTICAL CURB/GUTTER
NEW SIDEWALK

STRIPLING & DELINEATOR POST, TYP

OVERSIZED TURN LANE
EXISTING, DETERIORATED STAMPED CONCRETE & ROLLED CURB

EXISTING, DETERIORATED CURB/GUTTER @ SIDEWALK

VERDE B. FRANK ELEMENTARY SCHOOL

S. AVENIDA DEL YAQUI

SCHOOL

SCHOOL

Dibble Engineering
TOWN ENGINEER

DESIGN ASSISTANCE APPLICATION, FY 2018
COMPARISON OF EXST & PROP STREET DETAILS

MAG

EXHIBIT 4
06/2017

SCALE: NTS
June 21, 2017

Dear Members of Maricopa County Governments;

The Town of Guadalupe has requested a Letter of Support for the MAG Design Assistance Program. It is understood that by requesting funds from MAG Design Assistance Program they will be making improvements to Avenida del Yaqui.

The funds they are requesting from MAG will go towards pedestrian and bicycle improvements. We understand they will be rebuilding sidewalks and bike lanes on both sides of the street as well as re-striping the cross walk in front of Frank Elementary School located on Avenida del Yaqui.

The improvements will make the Town of Guadalupe and surrounding communities safer for pedestrians, bicyclists and drivers.

We are pleased to offer that support to make the improvements to Avenida del Yaqui listed above.

Sincerely,

Gary Smith, Executive Director
Guadalupe Community Development Corporation
June 23, 2017

Dennis Smith, Executive Director
Maricopa Association of Governments
302 North 1st Avenue, Suite 300
Phoenix, AZ 85003

Dear Members of Maricopa Association of Governments (MAG):

The Town of Guadalupe is requesting funds from the MAG Design Assistance Program. The proposed request for funds will be utilized for improvements to Avenida del Yaqui.

The MAG funds will provide pedestrian and bicycle improvements to the street. The Town will rebuild sidewalks and bicycle lanes on both sides of the street. In addition, they will re-stripe the crosswalk in front of Frank Elementary school (Tempe Elementary School District) located on Avenida del Yaqui.

These improvements will assist the Town of Guadalupe to provide a safer environment for pedestrians, bicyclists and motorists.

I am pleased to support the request for funds by the Town of Guadalupe as outlined above. Please give this request your full and fair consideration.

Sincerely,

[Signature]

Ruben Gallego
Member of Congress
June 23, 2017

Dear Members of Maricopa Association of Governments:

The Town of Guadalupe has requested a Letter of Support for the Maricopa Association of Governments (MAG) Design Assistance Program.

It is understood that by requesting funds from the MAG Design Assistance Program the Town of Guadalupe will be making pedestrian and bicycle improvements to Avenida del Yaqui. We understand they will be rebuilding sidewalks and bike lanes on both sides of the street, as well as re-striping the crosswalk in front of Frank Elementary School.

Please be aware that we are in the design phase of renovation/construction of Frank School so parking, drop-off areas, and entrances to the school may change.

We are pleased to offer support for the pending MAG improvements to Avenida del Yaqui, as they will make the Town of Guadalupe and surrounding communities safer for pedestrians, bicyclists and drivers.

Sincerely,

Jeff Bomstad
Project Manager
Tempe Elementary School District No. 3
June 23, 2017

Dear Members of Maricopa County Governments;

The Town of Guadalupe has requested a Letter of Support for the MAG Design Assistance Program. It is understood that by requesting funds from MAG Design Assistance Program they will be making improvements to Avenida del Yaqui.

The funds they are requesting from MAG will go towards pedestrian and bicycle improvements. We understand they will be rebuilding sidewalks and bike lanes on both sides of the street as well as re-striping the cross walk in front of Frank Elementary School located on Avenida del Yaqui.

The improvements will make the Town of Guadalupe and surrounding communities safer for pedestrians, bicyclists and drivers.

We are pleased to offer that support to make the improvements to Avenida del Yaqui listed above.

Sincerely,

[Signature]

Robert Valencia
Tribal Chairman
Pascua Yaqui Tribe
### Transportation Alternatives Cost Estimate Form

Please provide a detailed cost estimate for this project. The data entered in this cost estimate sheet will automatically transfer into the correct fields in Part II. Rows 1-9 will remain visible at the top of this page at all times.

#### Sponsoring Agency:

Name of Contractor: [Name of Contractor]

Project Title: [Project Title]

Involves Bike and Pedestrian Improvement Project: [Yes/No]

Application Date: [Application Date]

<table>
<thead>
<tr>
<th>Part</th>
<th>Item Description</th>
<th>Unit</th>
<th>Quantity</th>
<th>Unit Price</th>
<th>Total</th>
<th>Federal Funds</th>
<th>State Funds</th>
<th>Local Funds (57%)</th>
<th>Notes</th>
</tr>
</thead>
</table>

#### A. Bicycle (1.25% Preliminary Engineering Design)

1. SITE INVESTIGATION/MEASUREMENT
   - LS 1 $10,000.00 $10,000.00 Yes $10,000.00

2. PRELIMINARY DESIGN/FEASIBILITY STUDY
   - LS 1 $150,000.00 $150,000.00 Yes $150,000.00

3. PRELIMINARY ENGINEERING DESIGN (Preparation of engineering projects, including technical support & drawings)
   - LS 1 $70,000.00 $70,000.00 Yes $70,000.00

4. PRELIMINARY REPORT
   - LS 1 $4,000.00 $4,000.00 Yes $4,000.00

#### B. Final Preliminary Engineering Design - Stage G (1.5%, 1/2% for P&R)

1. Final Report, Preliminary Design and Construction & Implementation Schedule
   - LS 1 $600,000.00 $600,000.00 Yes $600,000.00

2. HISTORICAL PRESERVATION and Nomination & Reevaluation Design/Report
   - LS 1 $20,000.00 $20,000.00 Yes $20,000.00

3. DESIGN/REPORT
   - LS 1 $100,000.00 $100,000.00 Yes $100,000.00

#### C. Right-of-Way Acquisition

1. Right-of-Way Acquisition
   - LS 1 $5,000.00 $5,000.00 Yes $5,000.00

#### D. Utility Relocation

1. Utility Relocation
   - LS 1 $100,000.00 $100,000.00 Yes $100,000.00

#### E. Construction or Implementation

1. Hardship Construction

   - Operation
     - Site Preparation
       - LS 1 $30,000.00 $30,000.00 Yes $30,000.00

     - Excavation
       - LS 1 $100,000.00 $100,000.00 Yes $100,000.00

   - Utility Relocation
     - LS 1 $4,000.00 $4,000.00 Yes $4,000.00

   - Rebuilding Wall - Relocation Concrete Carriage
     - LS 100 $10,000.00 $100,000.00 Yes $100,000.00

   - Roadway
     - General Excavation
       - LS 1 $20,000.00 $20,000.00 Yes $20,000.00

     - Excavation
       - LS 1 $20,000.00 $20,000.00 Yes $20,000.00

     - Structural Excavation
       - LS 1 $20,000.00 $20,000.00 Yes $20,000.00

   - Concrete Pavement
     - LS 1 $20,000.00 $20,000.00 Yes $20,000.00

   - Pedestrian Sidewalk/Sidewalk
     - LS 1 $500.00 $500.00 Yes $500.00

   - Pedestrian Sidewalk/Sidewalk
     - LS 1 $100.00 $100.00 Yes $100.00

   - Pedestrian Sidewalk/Sidewalk
     - LS 1 $100.00 $100.00 Yes $100.00

   - Sidewalk/Pathway Construction
     - LS 1 $900.00 $900.00 Yes $900.00

   - Aggregate Berm
     - LS 1 $200.00 $200.00 Yes $200.00

   - Pathway/Driveway Materials
     - General Excavation
       - LS 1 $100.00 $100.00 Yes $100.00

     - Storm Drain Culvert
       - LS 1 $500.00 $500.00 Yes $500.00

     - Storm Drain Culvert
       - LS 1 $500.00 $500.00 Yes $500.00

     - Storm Drain Culvert
       - LS 1 $500.00 $500.00 Yes $500.00

     - Storm Drain Culvert
       - LS 1 $500.00 $500.00 Yes $500.00

     - Storm Drain Culvert
       - LS 1 $500.00 $500.00 Yes $500.00

     - Storm Drain Culvert
       - LS 1 $500.00 $500.00 Yes $500.00

#### F. Other Sections

- Other Sections
  - LS 1 $4,000.00 $4,000.00 Yes $4,000.00

#### Total

- LS 1 $4,000.00 $4,000.00 Yes $4,000.00

#### Subtotal (Part II)

- LS 1 $40,000.00 $40,000.00 Yes $40,000.00

#### Subtotal (Part III)

- LS 1 $40,000.00 $40,000.00 Yes $40,000.00

#### Subtotal (Part IV)

- LS 1 $40,000.00 $40,000.00 Yes $40,000.00

#### Subtotal (Part V)

- LS 1 $40,000.00 $40,000.00 Yes $40,000.00

#### Subtotal (Part VI)

- LS 1 $40,000.00 $40,000.00 Yes $40,000.00
### Guadalupe Avenue del Sol Bicycle and Pedestrian Improvement Project (M6)

#### PART D: TRANSPORTATION ALTERNATIVES COST ESTIMATE FORM

Please provide a detailed cost estimate for this project. The data entered in this cost estimate sheet will automatically transfer into the correct fields in Part E. Rows 1-7 will remain static at the top of this page at all times.

<table>
<thead>
<tr>
<th>Sponsoring Agency:</th>
<th>Guadalupe Avenue del Sol Bicycle and Pedestrian Improvement Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of Guadalupe</td>
<td>Project Title: Guadalupe Avenue del Sol Bicycle and Pedestrian Improvement Project</td>
</tr>
<tr>
<td></td>
<td>Application Date: 2017-02-20</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Part</th>
<th>Item Description</th>
<th>Unit</th>
<th>Quant.</th>
<th>Unit Price</th>
<th>Total</th>
<th>Federal/State</th>
<th>Federal Funds</th>
<th>Local Funds</th>
<th>InvTotal</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Transportation Alternatives</td>
<td></td>
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</tr>
<tr>
<td>a. Infrastructure Improvement</td>
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<tr>
<td>b. Temporary and Interim Accommodations</td>
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<td>2. Site Furnishings</td>
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<td>3. Site Furnishings</td>
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</tr>
<tr>
<td>4. Other Construction Items, Also, Remodeled Items, e.g. Rear &amp; Side Acoustics, Street Furniture (Direct Additional/Fixed/Alternatives)</td>
<td></td>
<td></td>
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<tr>
<td>5. Administration and Administrative Costs</td>
<td></td>
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</tbody>
</table>

#### Notes:

- **Part D** includes all costs associated with the transportation alternatives component of the project.
- All costs are in $1000s.
- **Local Funds** are the amount contributed by local sources, typically the project sponsor.
- **InvTotal** is the total estimated cost of the project.

---

**Page 2 of 2**
**PART E - TOTAL PROJECT SCHEDULE AND BUDGET**

Please verify that the cost and programming estimates for the total project are correct below. The numeric values on this sheet (in GREY) are automatically populated from the cost estimate sheet (Part D) and cannot be modified. If there are any errors in the numeric values on this sheet, please verify and correct the numbers you have entered into the cost estimate sheet (Part D). You MUST fill in the GREEN portions of Part E manually.

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 questions 24-27 in Part B.

<table>
<thead>
<tr>
<th>Cost Estimate for the Project Including All Phases</th>
<th>Cost</th>
<th>Additional Notes (if needed)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. ADOT Fee</td>
<td>$30,000</td>
<td></td>
</tr>
<tr>
<td>2. Design</td>
<td>$664,000</td>
<td>This is for the complete design of the northbound and southbound Avenida del Yaqui. Construction is anticipated to take place over two fiscal years to minimize impact to the travel</td>
</tr>
<tr>
<td>3. Right of way</td>
<td>$0</td>
<td>Temporary construction easements will likely be required to reconstruct driveways.</td>
</tr>
<tr>
<td>4. Utilities</td>
<td>$390,000</td>
<td>Utility relocations.</td>
</tr>
<tr>
<td>5. Construction</td>
<td>$1,506,005</td>
<td></td>
</tr>
<tr>
<td>6. Contingency</td>
<td>$150,000</td>
<td>No more than 20% of Construction Cost</td>
</tr>
<tr>
<td>7. Total Cost</td>
<td>$2,590,005</td>
<td></td>
</tr>
</tbody>
</table>

8. Will the agency maintain the improvement after it is completed?  Yes

9. Expected Annual Maintenance Cost

10. Identify Source of Maintenance Funds

<table>
<thead>
<tr>
<th>Requested MAG Programming</th>
<th>Year</th>
<th>Short Work Description (E.g. Construct Multiuse Path)</th>
<th>Local Funding Source</th>
<th>Local Cost</th>
<th>Federal Cost</th>
<th>Total Cost</th>
<th>Local Share</th>
</tr>
</thead>
<tbody>
<tr>
<td>11. Design (Optional)</td>
<td>2019</td>
<td>Design Bicycle and Pedestrian Improvements (NB)</td>
<td>Local</td>
<td>$664,000</td>
<td>Not Available</td>
<td>$664,000</td>
<td>100.0%</td>
</tr>
<tr>
<td>12. Right of way (Optional)</td>
<td></td>
<td></td>
<td>Federal</td>
<td>0</td>
<td>Not Available</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>13. Utilities (Optional)</td>
<td>2019</td>
<td>Utility Relocations</td>
<td>Local</td>
<td>$390,000</td>
<td>Not Available</td>
<td>$390,000</td>
<td>100.0%</td>
</tr>
<tr>
<td>14. Other (Optional)</td>
<td></td>
<td></td>
<td>Federal</td>
<td>0</td>
<td>Not Available</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>15. Construction</td>
<td>2021</td>
<td>Construct Bicycle and Pedestrian Improvements (NB)</td>
<td>Local</td>
<td>$94,952</td>
<td>$1,561,613</td>
<td>$1,656,565</td>
<td>5.7%</td>
</tr>
<tr>
<td>16. Total Costs</td>
<td></td>
<td></td>
<td>Federal</td>
<td>$1,561,613</td>
<td>$2,710,005</td>
<td>$2,710,005</td>
<td>42.4%</td>
</tr>
</tbody>
</table>
# Checklist

This checklist is included to facilitate applicant review and verification that all required fields in the form have been completed.

<table>
<thead>
<tr>
<th>COVER SHEET</th>
<th>Complete?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cover Sheet is completely filled out</td>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PART A - Contacts and Project Description Fields</th>
<th>Complete?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact Information, fields 1 – 5 are complete</td>
<td>Yes</td>
</tr>
<tr>
<td>Project Description, fields 6 – 8 are complete</td>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PART B - Project Description</th>
<th>Complete?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fields 1 - 14 (Project Description) are complete</td>
<td>Yes</td>
</tr>
<tr>
<td>Fields 15 - 17 (Transit) are complete</td>
<td>Yes</td>
</tr>
<tr>
<td>Fields 18 - 22 (Attractors and Demographics) are complete</td>
<td>Yes</td>
</tr>
<tr>
<td>Fields 23 - 30 (Traffic, Environmental, ROW, and Utilities) are complete</td>
<td>Yes</td>
</tr>
<tr>
<td>Fields 31 - 33 (Guidelines, Policies, and Plans) are complete</td>
<td>Yes</td>
</tr>
<tr>
<td>Fields 34 - 37 (Maintenance, Performance Measurement, and Wayfinding) are complete</td>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PART C - Required Attachments</th>
<th>Complete?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field 1 - Map showing the general location of the proposed project in relation to the region, including a north arrow provided in the printed application and the PDF application.</td>
<td>Yes</td>
</tr>
<tr>
<td>Field 2 - Map with streets labeled showing the detailed location(s) of the proposed project, including a north arrow provided in the printed application and the PDF application.</td>
<td>Yes</td>
</tr>
<tr>
<td>Field 3 - Up to four (4) photos of existing conditions are provided in the printed application and the PDF application (two 4x6 per page).</td>
<td>Yes</td>
</tr>
<tr>
<td>Field 4 - Simple diagram of the current typical cross section of the segment, that shows the right of way limits, widths, sidewalks and shoulders (if any), and the lanes of travel in the printed application and the PDF application.</td>
<td>Yes</td>
</tr>
<tr>
<td>(OPTIONAL) - Up to two (2) photos/renderings of the completed project are provided in the printed application and the PDF application.</td>
<td>Yes</td>
</tr>
<tr>
<td>(OPTIONAL) - Up to three (3) letters of support for the project are provided in the printed application and the PDF application.</td>
<td>Yes</td>
</tr>
<tr>
<td>(OPTIONAL) - GIS coverage (shapefile or geodatabase) is provided on the CD with the application.</td>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PART D - Cost Estimate Worksheet</th>
<th>Complete?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sponsoring Agency, Project Title, and Application Date are complete</td>
<td>Yes</td>
</tr>
<tr>
<td>Part A - Scope is complete</td>
<td>Yes</td>
</tr>
<tr>
<td>Part B - Final Preliminary Engineering Design is complete</td>
<td>Yes</td>
</tr>
<tr>
<td>Part C - Right-of-Way Acquisition is complete</td>
<td>Yes</td>
</tr>
<tr>
<td>Part D - Utility Relocation is complete</td>
<td>Yes</td>
</tr>
<tr>
<td>Part E - Construction or Implementation is complete</td>
<td>Yes</td>
</tr>
<tr>
<td>Parts F, G, and H - Costs are complete and accurate</td>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PART E - Total Project Schedule and Budget Including All Segment Fields</th>
<th>Complete?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fields 1 – 7 are complete and costs are accurate</td>
<td>Yes</td>
</tr>
<tr>
<td>Field 8 - 10 are complete</td>
<td>Yes</td>
</tr>
<tr>
<td>Fields 11 - 15 Years are complete</td>
<td>Yes</td>
</tr>
<tr>
<td>Fields 11 - 15 Local Funding Sources are complete</td>
<td>Yes</td>
</tr>
<tr>
<td>Fields 11 – 15 Local Costs are complete and accurate</td>
<td>Yes</td>
</tr>
</tbody>
</table>
Field 11 - 15 Federal Costs are complete and accurate
Field 16 Total Costs are complete and accurate

PART F - Signature and Checklist

<table>
<thead>
<tr>
<th>Description</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Entire checklist is completed.</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Form is signed by MAG member agency's manager/administrator or designated representative.</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Name, title and date fields under the signature are completed.</td>
<td>Yes</td>
<td></td>
</tr>
</tbody>
</table>

**SIGNATURE(S):**

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

<table>
<thead>
<tr>
<th>Signature</th>
<th>[Signature]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>Bob Hawken</td>
</tr>
<tr>
<td>Title</td>
<td>Interim Town Manager</td>
</tr>
<tr>
<td>Date</td>
<td>9/25/2017</td>
</tr>
</tbody>
</table>