



Transportation Alternatives / CMAQ Application for
FY 2018, 2019, and 2020 Projects

Friendly House Safe Streets, Safe Routes to School Project

City of Phoenix

**APPLICATIONS ARE DUE AT MAG OFFICES BY
Monday, September 21, 2015 at 10:00 a.m.**

(LATE AND/OR INCOMPLETE APPLICATIONS WILL NOT BE ACCEPTED)

Phoenix: Friendly House Safe Streets, Safe Routes to School Project

| PART A - CONTACT AND PROJECT DESCRIPTION | |
|---|--|
| Contact Information | |
| 1. Name of Sponsoring Agency | Phoenix |
| 2. Agency Contact Name | Eileen Yazzie |
| 3. Phone Number of Agency Contact | (602) 534-5692 |
| 4. E-Mail Address of Agency Contact | eileen.yazzie@phoenix.gov |
| 5. Mailing Address of Agency Contact | City of Phoenix 200 W Washington 5th Floor Phoenix Arizona 85003 |
| Project Description | |
| 6. Please provide the Project Title. | Friendly House Safe Streets, Safe Routes to School Project |
| 7. Please provide a concise, specific description of the project (250 character limit): | |
| <p>Friendly House (Academia Del Pueblo) is a K-8 charter school located at 201 E Durango Street that serves students near downtown Phoenix. The neighborhood north of the school lacks sidewalk, curb and gutter, ADA ramps and lighting. The goal of the project would be to install these missing items. The neighborhood area is bounded by Mohave to the north, Durango to the south, 1st Street to the west and 5th Street to the east. Students walking to school are often forced into the roadway due to cars parking in the walking path due to the lack of sidewalks. Friendly House and the City of Phoenix have identified 2nd Place and Durango for a 15 MPH School Zone Crosswalk. Improved areas to walk would help to improve safety for the students and neighborhood residents. The City of Phoenix estimates that the total adjusted cost of this project would be \$1,477,916. The City is requesting \$1,074,766 in federal funding and would provide \$403,150 in matching funds. If approved in full, the city would finish construction on this project in FY19. All work would be designed and built to current city, state and federal standards and once operational would be maintained by the City of Phoenix.</p> | |
| 8. Please provide the project limits: | |
| <p>The project would complete sidewalk, curbe and gutter and ADA ramp work on all of the north/south approaches to the school (1st Street, 2nd Street, 2nd Place, 3rd Street, 4th Street and 5th Street) between Mohave Street and Durango Street.</p> | |

Phoenix : Friendly House Safe Streets, Safe Routes to School Project

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)

- | | |
|--|---|
| <input type="checkbox"/> Bicycle Lane (4' min. w/o curb/gutter) | <input type="checkbox"/> Shoulder paving is within 4-miles of a PM-10 Monitor |
| <input type="checkbox"/> Bicycle Lane (5' min. with curb/gutter) | <input type="checkbox"/> Wide Sidewalk (8' min.) |
| <input type="checkbox"/> Buffered Bike Lane | <input type="checkbox"/> Detached Sidewalk with 4' min. buffer |
| <input type="checkbox"/> Protected Bike Lane | <input type="checkbox"/> Signalized Crossing |
| <input type="checkbox"/> Shared-use path (10' min.) | Other: |
| <input checked="" type="checkbox"/> Sidewalk (5' min.) | <input style="width: 100%; height: 20px;" type="text"/> |
| <input type="checkbox"/> Planning Study | |

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

- | | |
|--|--|
| <input type="checkbox"/> Bridge (overpass) | Other: |
| <input type="checkbox"/> Tunnel (underpass) | <input style="width: 100%; height: 20px; border: 1px solid black;" type="text" value="N/A"/> |
| <input type="checkbox"/> Signalized midblock crossing/HAWK | |
| <input type="checkbox"/> Countdown Pedestrian Signal | |

4. What amenities are included in this project?

- | | |
|---|--|
| <input type="checkbox"/> Number of Bike racks/lockers | <input type="checkbox"/> Number of Seating/Rest Area(s) |
| <input type="checkbox"/> Number of Drinking Fountains | <input type="checkbox"/> Number of bicycle/pedestrian counting devices |
| <input type="checkbox"/> Number of Way-finding Signs | <input type="checkbox"/> Number of bicycle/pedestrian counting devices |
| <input type="checkbox"/> Number of Trash receptacles | Other: |
| <input type="checkbox"/> Number of Trees | <input style="width: 100%; height: 20px; border: 1px solid black;" type="text" value="N/A"/> |
| <input type="checkbox"/> Number of new openings in street walls | |
| <input type="checkbox"/> Number of Shade Structures | |

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

Currently, all approaches to the school for walking students lack sidewalk, curb and gutter, ADA ramps and lighting. The neighborhood is so used to not having sidewalks that all of the residents park in the walking path and force students to walk in the street to and from school.

Phoenix : Friendly House Safe Streets, Safe Routes to School Project

PART B-DETAILED PROJECT DESCRIPTION

6. Please describe the work being done and improvements being made as part of this project.

Installation of 5' sidewalk with curb and gutter, ADA ramps and lighting for all north/south approaches for the school (1st Street, 2nd Street, 2nd Place, 3rd Street, 4th Street and 5th Street) between Mohave Street and Durango street.

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

Improve safety for students and residents who walk in the neighborhood.

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

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

Other

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

- Yes
- No

Please Explain:

Friendly House School will take part in Walk to School d

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

The addition of sidewalks on the approach streets for the school will allow the students to stay out of the roadway when they walk to and from school. The curbing at 2nd Place and Durango will help buffer students from oncoming traffic when they are using the school zone crosswalk.

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

Currently this neighborhood has no ADA ramps or sidewalks. This forces persons with disability to either transverse using the street or an unpaved and uneven path. This project will have a big effect on ADA facilities.

Phoenix : Friendly House Safe Streets, Safe Routes to School Project

PART B-DETAILED PROJECT DESCRIPTION

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

This project will improve safety more than access.

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

The surrounding residents and the school have made comments to the City of Phoenix that they feel "forgetten" and "not a real neighborhood" due to the lack of infrastructure improvements in the neighborhood. This project will improve those feelings.

14. Connectivity: (Check all that apply)

Project fills a gap in the system

Explain:

N/A

Project connects to other local bikeways

List of connected bikeways:

N/A

Multi Jurisdictional Project (please include letter of support (See Part C)

List of Participating Jurisdictions:

N/A

0 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.

2 Within 1/4 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.

2 Within 1/4 mile

List routes and frequency:

1) Central and Durango 2) Central and Mohave (11 Stops a day for both directions)

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

0 Within 1/4 mile

List:

N/A

Phoenix : Friendly House Safe Streets, Safe Routes to School Project

PART B-DETAILED PROJECT DESCRIPTION

18. Number of non-commercial activity centers (parks, libraries, senior centers, recreational centers, etc.) this project will benefit:

Within 1/4 mile

List:

N/A

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):

Within 1/4 mile

List:

N/A

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

Within 1/4 mile

List:

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

Within 1/4 mile

List:

Friendly House Academia Del Pueblo (K-8) 201 E Durango Street

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):

Within 1/4 miles

List:

Hope Evangelistic Community Center and Church (401 E Mohave Street)/ The Salvation Army Thrift Store (24 E Mohave Street)

1/4 miles to 1/2 miles

List:

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PART B-DETAILED PROJECT DESCRIPTION

23. What are the demographics of the area served:

[MAG Demographic Mapping](#)

People Per Square Mile

% Families in Poverty

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:

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

The project is bounded by Mohave Street on the north, Durango Street on the south, 5th Street on the east and 1st Street on the west.

Federal Functional Classification of the Facility:

[Link to MAG webpage for Federal Functional Classification Map](#)

Type of Facility the Improvement will be located on:

Length (in Miles)

Posted Speed Limit (MPH)

Number of Travel Lanes Before Project

Number of Travel Lanes After Project

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PART B-DETAILED PROJECT DESCRIPTION

25. Please provide an estimated traffic volume (ADT) on the nearest parallel arterial.

ADT Estimate

Date Counted

Name of road the traffic count was taken from

Description of Methodology and Source used for the ADT Estimate

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.

27. Current ROW: (Check all that apply)

- Agency owns all ROW Needed
- ROW to be acquired
- Owners will donate ROW

- Agency owns easement
- Agency has right-of-use (i.e. canal)
- Condemnation may be required

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

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

Yes

No

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PART B-DETAILED PROJECT DESCRIPTION

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

| | | | |
|-------------------------------------|---|--------------------------|--------------------|
| <input checked="" type="checkbox"/> | No Utility in or abutting the alignment | <input type="checkbox"/> | Private Structures |
| <input type="checkbox"/> | Canals & Drainage | | |
| <input type="checkbox"/> | Power Lines & Cables | Other: | |
| <input type="checkbox"/> | Pipelines, Sewer and Water | <input type="text"/> | |

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

N/A

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

| | | |
|-------------------------------------|---|--------------------------------|
| <input type="checkbox"/> | AASHTO Guide for Bicycle Facilities | Other: <input type="text"/> |
| <input checked="" type="checkbox"/> | MAG Pedestrian Policies and Design Guidelines | |
| <input checked="" type="checkbox"/> | MAG Complete Streets Guide | |
| <input type="checkbox"/> | MAG Designing Transit Accessible Communities | |
| <input type="checkbox"/> | MAG Valley Path Brand & Wayfinding Signage Guidelines | |
| <input type="checkbox"/> | NACTO Urban Bikeway Design Guide | |
| <input type="checkbox"/> | RPTA Bus Stop Program and Standards | |

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: | <input type="text" value="Recommended"/> |
| With new development and capital improvement projects, bike lanes on collector streets are: | <input type="text" value="Required"/> |
| With pavement restoration or regular pavement maintenance on arterial streets, bike lanes are: | <input type="text" value="Recommended"/> |
| With new development or during development retrofits, shared-use paths are: | <input type="text" value="Not Addressed"/> |
| Bicycle program implemented, including bike education, safety events, and bike maps | <input type="text" value="Yes"/> |
| Complete Streets Policy | <input type="text" value="Yes"/> |

34. The project is: (Check one)

Identified in General Plan, council adopted policy, or Capital Improvements Program (provide source)
List:

Consistent with general policy/practices, but not formally identified (provide source)
Explain:

Not addressed by jurisdiction's plans, policies, or practices
Explain:

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PART B-DETAILED PROJECT DESCRIPTION

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

By evaluating the number of students walking to school.

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?

City of Phoenix will work with administration from Friendly House to determine data collection

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.

N/A

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

N/A

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 1-9 will remain visible at the top of this page at all times.

| | | | | | |
|---------------------------|-----------------|-----------------------|--|--------------------------|-----------|
| Sponsoring Agency: | City of Phoenix | Project Title: | Friendly House Safe Streets, Safe Routes to School Project | Application Date: | 9/21/2015 |
|---------------------------|-----------------|-----------------------|--|--------------------------|-----------|

| Part | Item Description | Unit | Quan. | Unit Price | Total | Federally Eligible | Federal Funds (94.3%) | Local Funds (5.7%) | Note(s) | | | |
|---|--|---|---|------------------------------------|---------------------|--------------------|-----------------------|---------------------|--------------------|--------------|-------------|--|
| A. Scoping (15% Preliminary Engineering Design) | 1. SITE TOPOGRAPHIC SURVEY | LS | 1 | \$3,185.00 | \$3,185.00 | No | \$0.00 | \$3,185.00 | PDP | | | |
| | 2. PROJECT ASSESSMENT REPORT or DETAILED WORKPLAN | LS | 1 | \$25,000.00 | \$25,000.00 | No | \$0.00 | \$25,000.00 | KW | | | |
| | 3. ENVIRONMENTAL DETERMINATION (Infrastructure projects, including technical supporting documents) | LS | 1 | \$30,000.00 | \$30,000.00 | No | \$0.00 | \$30,000.00 | KW | | | |
| | 4. HAZMAT ASSESSMENT | LS | 1 | \$15,000.00 | \$15,000.00 | No | \$0.00 | \$15,000.00 | KW | | | |
| | Subtotal Scoping (Part A) | | | | \$73,185.00 | | \$0.00 | \$73,185.00 | | | | |
| B. Final Preliminary Engineering Design - Stages II, III, IV And PS&E | 1. Plans, Special Provisions or Bid Manual, Cost Estimate & Schedules. | LS | 1 | \$125,000.00 | \$125,000.00 | No | \$0.00 | \$125,000.00 | PDP | | | |
| | 2. GEOTECHNICAL INVESTIGATION and Materials & Pavement Design Report | LS | 1 | \$25,000.00 | \$25,000.00 | No | \$0.00 | \$25,000.00 | KW | | | |
| | 3. DRAINAGE REPORT | LS | 1 | \$25,000.00 | \$25,000.00 | No | \$0.00 | \$25,000.00 | KW | | | |
| | 4. SWPPP | LS | 1 | \$25,000.00 | \$25,000.00 | No | \$0.00 | \$25,000.00 | KW | | | |
| | Subtotal PE (Part B) | | | | \$200,000.00 | | \$0.00 | \$200,000.00 | | | | |
| Subtotal Preliminary Engineering (Part A + Part B) | | | | | \$273,185.00 | | \$0.00 | \$273,185.00 | | | | |
| C. Right-of-Way Acquisition | 1. Right-of-Way Acquisition | LS | 1 | \$0.00 | \$0.00 | No | \$0.00 | \$0.00 | KW | | | |
| Subtotal Right-of-Way Acquisition (Part C) | | | | | \$0.00 | | \$0.00 | \$0.00 | | | | |
| D. Utility Relocation | 1. Utility Relocation | LS | 1 | \$45,000.00 | \$45,000.00 | No | \$0.00 | \$45,000.00 | PDP | | | |
| Subtotal Utility Relocation (Part D) | | | | | \$45,000.00 | | \$0.00 | \$45,000.00 | | | | |
| E. Construction Or Implementation [For Non-Infrastructure Projects (No Ground Disturbing Activities), Address Only Part 4] | 1. Hardscape Construction | | Installation Of SWPP Measures | LS | 1 | \$75,000.00 | \$75,000.00 | Yes | \$70,725.00 | \$4,275.00 | KW | |
| | | | Site Preparation | SY | 610 | \$20.00 | \$12,200.00 | \$12,200.00 | Yes | \$11,504.60 | \$695.40 | PDP Subgrade |
| | | | Demolition | Sawcut | LF | 1 | \$0.00 | \$0.00 | Yes | \$0.00 | \$0.00 | |
| | | | | Remove Structures and Obstructions | LS | 1 | \$10,000.00 | \$10,000.00 | Yes | \$9,430.00 | \$570.00 | PDP |
| | | | | Remove Fencing | LF | 1 | \$0.00 | \$0.00 | Yes | \$0.00 | \$0.00 | |
| | | | | Remove Structural Concrete | CY | 1 | \$0.00 | \$0.00 | Yes | \$0.00 | \$0.00 | |
| | | | | Remove Asphaltic Concrete Pavement | SY | 135 | \$35.00 | \$4,725.00 | Yes | \$4,455.68 | \$269.33 | |
| | | | Remove Concrete Sidewalks, Slabs | SF | 170 | \$9.00 | \$1,530.00 | Yes | \$1,442.79 | \$87.21 | | |
| | | | Hazmat Abatement | LS | 1 | \$0.00 | \$0.00 | Yes | \$0.00 | \$0.00 | | |
| | | | Retaining Wall - Reinforced Concrete Cantilevered | | SF | 1 | \$0.00 | \$0.00 | Yes | \$0.00 | \$0.00 | |
| | | | Earthwork | General Excavation | CY | 1 | \$0.00 | \$0.00 | Yes | \$0.00 | \$0.00 | |
| | | | | Drainage Excavation | CY | 1 | \$0.00 | \$0.00 | Yes | \$0.00 | \$0.00 | |
| | | | | Structural Excavation | CY | 1 | \$0.00 | \$0.00 | Yes | \$0.00 | \$0.00 | |
| | | | | Structural Backfill | CY | 1 | \$0.00 | \$0.00 | Yes | \$0.00 | \$0.00 | |
| | | | Borrow (In Place) | CY | 1 | \$0.00 | \$0.00 | Yes | \$0.00 | \$0.00 | | |
| | | | Curb & Gutter | LF | 5,266 | \$11.00 | \$57,926.00 | Yes | \$54,624.22 | \$3,301.78 | | |
| | | | Aggregate Base | Ton | 150 | \$250.00 | \$37,500.00 | Yes | \$35,362.50 | \$2,137.50 | AC Pavement | |
| | | | Pathway Or Sidewalk Materials | Concrete | SF | 40,000 | \$8.00 | \$320,000.00 | Yes | \$301,760.00 | \$18,240.00 | PDP Cost but KW chg qty based on 5' wide sidewalks |
| | | | | Colored Concrete | SF | 1 | \$0.00 | \$0.00 | Yes | \$0.00 | \$0.00 | |
| | | | | Stamped Color Concrete | SF | 1 | \$0.00 | \$0.00 | Yes | \$0.00 | \$0.00 | |
| | | | | Precast Concrete Pavers | SF | 1 | \$0.00 | \$0.00 | Yes | \$0.00 | \$0.00 | |
| | | | | Asphaltic Concrete | Ton | 1 | \$0.00 | \$0.00 | Yes | \$0.00 | \$0.00 | |
| | | | Polymer or Resin Stabilized Surface | SF | 1 | \$0.00 | \$0.00 | Yes | \$0.00 | \$0.00 | | |
| | | | Crosswalk Enhancement | Concrete Pavers | SF | 1 | \$0.00 | \$0.00 | Yes | \$0.00 | \$0.00 | |
| | | | | Stamped Asphalt | SF | 1 | \$0.00 | \$0.00 | Yes | \$0.00 | \$0.00 | |
| | | Stamped Concrete | | SF | 1 | \$0.00 | \$0.00 | Yes | \$0.00 | \$0.00 | | |
| | | Concrete | | SF | 1 | \$0.00 | \$0.00 | Yes | \$0.00 | \$0.00 | | |
| | | Integral Color Concrete | SF | 1 | \$0.00 | \$0.00 | Yes | \$0.00 | \$0.00 | | | |
| | | Pedestrian ADA Ramp | Each | 14 | \$2,125.00 | \$29,750.00 | Yes | \$28,054.25 | \$1,695.75 | | | |
| | | Culvert Extensions | LF | 1 | \$0.00 | \$0.00 | Yes | \$0.00 | \$0.00 | | | |
| | | Pedestrian Lighting Including Conduit And Trenching | | Each | 1 | \$0.00 | \$0.00 | Yes | \$0.00 | \$0.00 | | |
| | | Handrail | Standard | LF | 1 | \$0.00 | \$0.00 | Yes | \$0.00 | \$0.00 | | |
| | | | Decorative | LF | 1 | \$0.00 | \$0.00 | Yes | \$0.00 | \$0.00 | | |
| Subtotal Hardscape Construction | | | | | | | \$548,631.00 | \$517,359.03 | \$31,271.97 | | | |

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 1-9 will remain visible at the top of this page at all times.

| | | | | | |
|---------------------------|-----------------|-----------------------|--|--------------------------|-----------|
| Sponsoring Agency: | City of Phoenix | Project Title: | Friendly House Safe Streets, Safe Routes to School Project | Application Date: | 9/21/2015 |
|---------------------------|-----------------|-----------------------|--|--------------------------|-----------|

| Part | Item Description | Unit | Quan. | Unit Price | Total | Federally Eligible | Federal Funds (94.3%) | Local Funds (5.7%) | Note(s) | |
|---|--|--|--------------------|------------|--------------------|--------------------|-----------------------|--------------------|-----------|------------------------------|
| E. Construction Or Implementation [For Non-Infrastructure Projects (No Ground Disturbing Activities), Address Only Part 4] | 2. Landscaping & Irrigation Items | Trees Above 15 Gallon In Size As Required Per Local Code Or Special Design Requirements | Each | 1 | \$0.00 | \$0.00 | Yes | \$0.00 | \$0.00 | |
| | | Trees (15 Gallon Size) | Each | 1 | \$0.00 | \$0.00 | Yes | \$0.00 | \$0.00 | |
| | | Trees (5 Gallon Size) | Each | 1 | \$0.00 | \$0.00 | Yes | \$0.00 | \$0.00 | |
| | | Shrubs (5 Gallon Size) | Each | 1 | \$0.00 | \$0.00 | Yes | \$0.00 | \$0.00 | |
| | | Shrubs (1 Gallon Size) | Each | 1 | \$0.00 | \$0.00 | Yes | \$0.00 | \$0.00 | |
| | | Cactus (5 Gallon Size) | Each | 1 | \$0.00 | \$0.00 | Yes | \$0.00 | \$0.00 | |
| | | Mulch | Decomposed Granite | CY | 1 | \$0 | \$0 | Yes | \$0 | \$0 |
| | | | Organic | CY | 1 | \$0 | \$0 | Yes | \$0 | \$0 |
| | | Topsoil | | CY | 1 | \$0 | \$0 | Yes | \$0 | \$0 |
| | | Seeding | | Acre | 1 | \$0 | \$0 | Yes | \$0 | \$0 |
| | | Turf Sod | | SY | 1 | \$0 | \$0 | Yes | \$0 | \$0 |
| | | Boulders | | Each | 1 | \$0 | \$0 | Yes | \$0 | \$0 |
| | | | | Each | 1 | \$0 | \$0 | Yes | \$0 | \$0 |
| | | Irrigation System | Drip | SF | 1 | \$0 | \$0 | Yes | \$0 | \$0 |
| | | | Turf | SF | 1 | \$0 | \$0 | Yes | \$0 | \$0 |
| | | Sleeving For Irrigation System | Directional Bore | LF | 1 | \$0 | \$0 | Yes | \$0 | \$0 |
| | | | Cut and Patch | LF | 1 | \$0 | \$0 | Yes | \$0 | \$0 |
| | | Landscape Header Curb | | LF | 1 | \$0 | \$0 | Yes | \$0 | \$0 |
| | Landscape Establishment | | LS | 1 | \$0 | \$0 | Yes | \$0 | \$0 | |
| | Subtotal Landscaping & Irrigation Items | | | | | \$0 | | \$0 | \$0 | |
| | 3. Site Furnishings | Benches | Each | 1 | \$0 | \$0 | Yes | \$0 | \$0 | |
| | | Seatwalls | LF | 1 | \$0 | \$0 | Yes | \$0 | \$0 | |
| | | Bike Racks | Each | 1 | \$0 | \$0 | Yes | \$0 | \$0 | |
| | | Trash Receptacles | Each | 1 | \$0 | \$0 | Yes | \$0 | \$0 | |
| | | Drinking Fountains | Each | 1 | \$0 | \$0 | Yes | \$0 | \$0 | |
| | | Signage (Standard Traffic Control) | Each | 1 | \$0 | \$0 | Yes | \$0 | \$0 | |
| | | Signage (Wayfinding) | Each | 1 | \$0 | \$0 | Yes | \$0 | \$0 | |
| | | Tree Grates | Each | 1 | \$0 | \$0 | Yes | \$0 | \$0 | |
| | | Subtotal Site Furnishings | | | | | \$0 | | \$0 | \$0 |
| | | 4. Other Construction Items. Also, Itemized Line Items For Non-Infrastructure Projects. (Insert Additional Rows If Necessary) | Street Lights | Each | 25 | \$5,300 | \$132,500 | Yes | \$124,948 | \$7,553 |
| | Relocate fire hydrants | | Each | 1 | \$1,600 | \$1,600 | Yes | \$1,509 | \$91 | |
| | Concrete Driveway Entrances | | SF | 5,000 | \$16 | \$77,500 | Yes | \$73,083 | \$4,418 | |
| | | | | | 1 | | \$0 | Yes | \$0 | \$0 |
| | | | | | 1 | | \$0 | Yes | \$0 | \$0 |
| | | | | | 1 | | \$0 | Yes | \$0 | \$0 |
| | | | | | 1 | | \$0 | Yes | \$0 | \$0 |
| | | | | | 1 | | \$0 | Yes | \$0 | \$0 |
| | | | | | 1 | | \$0 | Yes | \$0 | \$0 |
| | Subtotal Other Construction | | | | | | \$211,600 | | \$199,539 | \$12,061 |
| | 5. Mobilization And Administration Costs | Contractor Mobilization | LS | 1 | \$10,000 | \$10,000 | yes | \$9,430 | \$570 | |
| | | Traffic Control | LS | 1 | \$4,500 | \$4,500 | Yes | \$4,244 | \$257 | Police/Traffic Control - PDP |
| | | Construction Survey & Layout | LS | 1 | \$0 | \$0 | Yes | \$0 | \$0 | |
| | | Construction Contingencies | LS | 1 | \$200,000 | \$200,000 | Yes | \$188,600 | \$11,400 | |
| | | Construction Administration | LS | 1 | \$175,000 | \$175,000 | Yes | \$165,025 | \$9,975 | |
| | | Subtotal Mobilization & Administration Costs | | | | | \$389,500 | | \$367,299 | \$22,202 |
| Subtotal Construction Or Implementation Cost (Part E) | | | | | \$1,149,731 | | \$1,084,196 | \$65,535 | | |
| F. Total Scoping, PE, Right-of-Way Acquisition, Utility Relocation, and Construction (Part A, B, C, D, and E) | | | | | \$1,467,916 | | \$1,084,196 | \$383,720 | | |
| G. Adot Fee Review Fee - \$10,000 for Certified Accepted agencies, otherwise \$30,000 | | | | | \$10,000 | No | \$0 | \$10,000 | | |
| H. Total Project Cost Including ADOT Fees (Part F + Part G) | | | | | \$1,477,916 | | \$1,084,196 | \$393,720 | | |

Phoenix: Friendly House Safe Streets, Safe Routes to School Project

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.

| Cost Estimate for the Project Including ALL Segments | Cost | Additional Notes (if needed) |
|--|-------------|---------------------------------------|
| 1. ADOT Fee | \$10,000 | |
| 2. Design | \$273,185 | |
| 3. Right of way | \$0 | |
| 4. Utilities | \$45,000 | |
| 5. Construction | \$1,149,731 | |
| 6. Contingency | Yes | No more than 20% of Construction Cost |
| 7. Total Cost | \$1,477,916 | |

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

9. Expected Annual Maintenance Cost

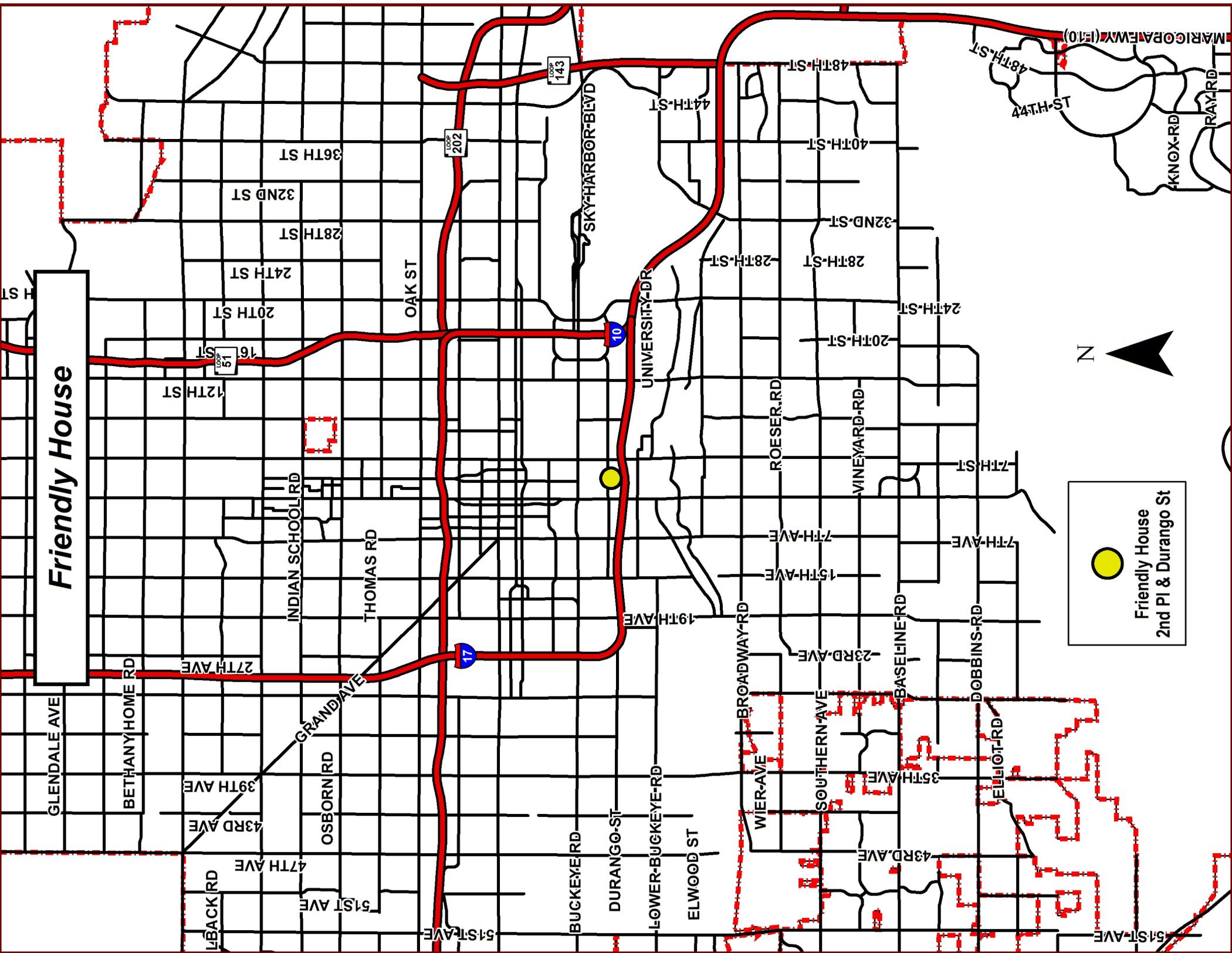
10. Identify Source of Maintenance Funds

| Requested MAG Programming | Year | Short Work Description (E.g. Construct Multiuse Path) | Local Funding Source | Local Cost | Federal Cost | Total Cost | Local Share |
|-----------------------------|------|---|----------------------|------------|---------------|-------------|-------------|
| 11. Design (Optional) | 2017 | | | \$273,185 | Not Available | \$273,185 | 100.0% |
| 12. Right of way (Optional) | | | | \$0 | Not Available | \$0 | |
| 13. Utilities (Optional) | | | | \$45,000 | Not Available | \$45,000 | 100.0% |
| 14. Other (Optional) | | ADOT Fee | | \$10,000 | Not Available | \$10,000 | 100.0% |
| 15. Construction | 2019 | | | \$65,535 | \$1,084,196 | \$1,149,731 | 5.7% |
| 16. Total Costs | | | | \$393,720 | \$1,084,196 | \$1,477,916 | 26.6% |

| Checklist | |
|---|-----------|
| This checklist is included to facilitate applicant review and verification that all required fields in the form have been completed. | |
| COVER SHEET | Complete? |
| Cover Sheet is completely filled out | ✓ |
| PART A - Contacts and Project Description Fields | Complete? |
| Contact Information, fields 1 – 5 are complete | ✓ |
| Project Description, fields 6 - 8 are complete | ✓ |
| PART B - Project Description | Complete? |
| Fields 1 - 14 (Project Description) are complete | ✓ |
| Fields 15 - 17 (Transit) are complete | ✓ |
| Fields 18 – 22 (Attractors and Demographics) are complete | ✓ |
| Fields 23 – 30 (Traffic, Environmental, ROW, and Utilities) are complete | ✓ |
| Fields 31 – 33 (Guidelines, Policies, and Plans) are complete | ✓ |
| Fields 34 – 37 (Maintenance, Performance Measurement, and Wayfinding) are complete | ✓ |
| PART C - Required Attachments | Complete? |
| 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. | ✓ |
| 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. | ✓ |
| Field 3 - Up to four (4) photos of existing conditions are provided in the printed application and the PDF application (two 4x6 per page). | ✓ |
| 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. | ✓ |
| (OPTIONAL) - Up to two (2) photos/renderings of the completed project are provided in the printed application and the PDF application. | |
| (OPTIONAL) - Up to three (3) letters of support for the project are provided in the printed application and the PDF application. | |
| (OPTIONAL) - GIS coverage (shapefile or geodatabase) is provided on the CD with the application. | |
| PART D - Cost Estimate Worksheet | Complete? |
| Sponsoring Agency, Project Title, and Application Date are complete | ✓ |
| Part A - Scoping is complete | ✓ |
| Part B - Final Preliminary Engineering Design is complete | ✓ |
| Part C - Right-of-Way Acquisition is complete | ✓ |
| Part D - Utility Relocation is complete | ✓ |
| Part E - Construction or Implementation is complete | ✓ |
| Parts F, G, and H - Costs are complete and accurate | ✓ |
| PART E - Total Project Schedule and Budget Including All Segment Fields | Complete? |
| Fields 1 – 7 are complete and costs are accurate | ✓ |
| Field 8 - 10 are complete | ✓ |
| Fields 11 – 15 Years are complete | ✓ |
| Fields 11 – 15 Local Funding Sources are complete | ✓ |
| Fields 11 – 15 Local Costs are complete and accurate | ✓ |
| Field 11 - 15 Federal Costs are complete and accurate | ✓ |
| Field 16 Total Costs are complete and accurate | ✓ |
| PART F - Signature and Checklist | Complete? |
| Entire checklist is completed. | ✓ |
| Form is signed by MAG member agency's manager/administrator or designated representative. | ✓ |
| Name, title and date fields under the signature are completed. | ✓ |

| SIGNATURE(S): | |
|---|---|
| As the MAG member agency's <u>manager/administrator or designated representative</u> , 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. | |
| Signature: |  |
| Name: | Name: Ray Dovalina, P.E. |
| Title: | Title: Street Transportation Director |
| Date: | Date: September 16, 2015 |

Friendly House



Friendly House Safe Streets / Safe Routes Project



0 0.025 0.05 0.1 Miles



I17 RMP
Copyright 2014 City of Phoenix

Site Visit (September 15 & 21, 2015) Photos for Friendly House Safe Routes to School





Durango Street east of 2nd Place (East Leg) R.O.W.

47'

Dirt Shoulder

11'

Local Roadway

27'

Paved
Shoulder

9'

