

## Transportation Alternatives Application for FY 2015, 2016, and 2017 Projects

**Dysart Road, Van Buren Street to MC85 (Buckeye Road), Pedestrian and Bicycle Improvements**

**City of Avondale**

**APPLICATIONS ARE DUE AT MAG OFFICES BY  
Tuesday, October 22, 2013 at 10:00 a.m.**

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

| <b>PART A - CONTACT AND PROJECT DESCRIPTION</b>  |   |
|--|---|
| <b>Contact Information</b>   |   |
| 1. Name of Sponsoring Agency   | Avondale  |
| 2. Agency Contact Name   | Janice Simpson  |
| 3. Phone Number of Agency Contact  | 623-333-1025  |
| 4. E-Mail Address of Agency Contact  | <a href="mailto:jsimpson@avondale.org">jsimpson@avondale.org</a>                    |
| 5. Mailing Address of Agency Contact   | 11465 W Civic Center Drive<br>Avondale, AZ 85323                                    |
| <b>Project Description</b>   |   |
| 6. Please provide the Project Title.   | Dysart Rd, Van Buren St to MC85 (Buckeye Rd)<br>Pedestrian and Bicycle Improvements |
| 7. Please provide a concise, specific description of the project (250 character limit):  |   |
| <p>This project will install ADA compliant sidewalks, ramps, bicycle facilities, pedestrian lighting and rider friendly bus-stop facilities along both sides of Dysart Rd from Van Buren St to MC85 (Buckeye Rd) providing improved pedestrian and bicyclist accessibility, connectivity and safety.</p> |   |
| 8. Please provide the project limits:  |   |
| <p>Dysart Road from the intersection of Dysart Road and Van Buren Street to the intersection of Dysart Road and MC85 (Buckeye Road).</p>   |   |
| <b>Safe Routes to School (if project is NOT a Safe Routes to School project, proceed to Part B)</b>  |   |
| 9. School Name   |   |
| 10. School Address   |   |
| 11. School City, State, ZIP Code   |   |
| 12. School Contact Name  |   |

**PART B-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 12-13 and 15-18, 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. What type of project is this? (Check only one)

|                                     |   |                          |  |
|-------------------------------------|---|--------------------------|--|
| <input type="checkbox"/>            | Bicycle lane (4' min. w/o curb/gutter)  | <input type="checkbox"/> | Wide Sidewalk (8' min.)  |
| <input type="checkbox"/>            | Bicycle lane (5' min. with curb/gutter) |                          |  |
| <input type="checkbox"/>            | Shared-use path (10' min.)              |                          | Other:   |
| <input type="checkbox"/>            | Detached Sidewalk with 4' min. buffer   |                          | This project will provide continuous ADA sidewalks (5 feet min) on both sides of Dysart Road within the project limits. The project will also provide ADA ramps, ADA compliant driveways, bus stops, pedestrian lighting, and landscaping. |
| <input checked="" type="checkbox"/> | Sidewalk (5' min.)                      |                          |  |

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

|                          |                                   |                          |   |
|--------------------------|-----------------------------------|--------------------------|---|
| <input type="checkbox"/> | Bridge (overpass)                 | <input type="checkbox"/> | Number of new openings in street walls  |
| <input type="checkbox"/> | Tunnel (underpass)                | 260                      | Number of Trees   |
| <input type="checkbox"/> | Safe Routes to School             | 2                        | Number of Shade Structures  |
| <input type="checkbox"/> | Signalized Crossing               | 2                        | Number of Seating/Rest Area(s)  |
| <input type="checkbox"/> | Signalized midblock crossing/HAWK | 1                        | Number of bicycle/pedestrian counting devices   |
| 2                        | Countdown Pedestrian Signal       |                          | Other:  |
| <input type="checkbox"/> | Number of Bike racks/lockers      |                          | The project will include pedestrian lighting at a few selected areas (i.e., bus stops/seating rest areas and at crossings). |
| <input type="checkbox"/> | Number of Drinking Fountains      |                          |   |
| 6                        | Number of Way-finding Signs       |                          |   |
| 4                        | Number of Trash receptacles       |                          |   |

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

The City of Avondale is currently working with Arizona Public Service (APS) to underground 38 power poles (12Kv) that are located within the existing sidewalk area. The existing power poles prevent the installation of ADA compliant sidewalk and bus stops. Once the power poles are removed in October 2014, the City will be able to install new pedestrian facilities, bicycle facilities, and 4 bus stops/shelters for the City's Zoom Bus Service.

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

The City is requesting assistance with the pedestrian, bicycle, and transit facilities. At their own expense, the City will remove the power poles thus allowing for the installation of the ADA compliant sidewalk along the east and west sides of Dysart Road from Van Buren Street to MC85 (1 mile). In addition, ADA compliant ramps, pedestrian lighting (at a few select locations), and ADA compliant driveway entrances will be installed along both sides of Dysart Road within the project's limits. The City, at their expense will provide new street lighting.

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

The City expects a total positive transformation for this corridor; achieving safe and ADA compliant pedestrian routes along a busy arterial business corridor. Removal of the 12kv power poles (which hinder the installation of ADA compliant sidewalk and transit facilities), will eliminate 38 potential hazards for vehicular traffic and vastly increase safety for pedestrians. The existing sidewalk is non-continuous and many segments are non-ADA compliant. Currently, there are no bike lanes. Installation of ADA compliant, continuous sidewalks will provide a safe facility for pedestrians and provide connectivity to transit stops, schools and other destinations. Installation of 4-foot wide bike lanes (5.5 feet to face of curb), along both sides of Dysart Road will provide a safe environment for bicyclists on the on-street transportation network and make bicycling a more desirable transportation alternative. Modern street lighting will be installed, at the City's expense, which will provide a significant increase in safety for vehicular, pedestrian, and bicycle travel. Pedestrian lighting will be provided at the 4 transit bus stops/shelters and at any crossings to supplement the street lighting and to enhance safety for pedestrians. In addition, the City will install landscaping in this corridor which will provide shade for pedestrians, bicyclists and ZOOM bus riders. This project brings forth increased safety for pedestrians, bicyclists and vehicles, accessibility and connectivity, and an improved corridor look which will provide a renewed sense of community and a pride of ownership.

**PART B-PROJECT DESCRIPTION**

6. Please provide a summary of any car-bicycle and car-pedestrian crashes by crash severity within 1/4 mile, based on the context of your project, for each of the five most recent years (i.e. 2008-2012).

| <b>Bike/Ped Crash Severity</b> | <b>2008</b> | <b>2009</b> | <b>2010</b> | <b>2011</b> | <b>2012</b> |
|--------------------------------|-------------|-------------|-------------|-------------|-------------|
| Fatal                          | 0           | 0           | 0           | 0           | 0           |
| Incapacitating Injury          | 0           | 0           | 0           | 0           | 0           |
| Non-Incapacitating Injury      | 0           | 0           | 1           | 0           | 0           |
| Possible Injury                | 0           | 0           | 0           | 1           | 1           |
| Property Damage Only           | 0           | 1           | 0           | 0           | 1           |

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

|                                     |  |                    |
|-------------------------------------|--|--------------------|
| <input type="checkbox"/>            | Wide bike lanes (6'-7')                          | Buffer Zone, Width |
| <input type="checkbox"/>            | Wide sidewalk (8' min.)                          | 5-12 feet          |
| <input type="checkbox"/>            | Grade-separated crossing (overpass or underpass) |                    |
| <input type="checkbox"/>            | Signalized crossing/Ped countdown/HAWK           | Other              |
| <input checked="" type="checkbox"/> | Lighting   |                    |
| <input checked="" type="checkbox"/> | Striping/re-striping of roadway                  |                    |
| <input checked="" type="checkbox"/> | Countdown signals                                |                    |

8. How does this project improve upon an existing safety issue?

This project will greatly increase safety for pedestrians, bicyclists, and improve the corridor's look and renew the community's pride of ownership. The 38 power poles will be removed hence vehicular and pedestrian hazards will be removed. The ADA compliant pedestrian (sidewalk) will provide a safe facility for pedestrians and provide connectivity to other major streets and points of interest. Currently, the sidewalk is non-continuous and many segments are non-ADA compliant. The proposed 4 foot wide (5.5 feet to face of curb) bike lanes, along both sides of Dysart Road will provide a safe bicycle facility for the community. Under existing conditions, there are no bike lanes. The City, at the City's expense, will install modern street lighting, which will also provide a significant increase in safety for vehicular, pedestrian, and bicycle travel. Pedestrian lighting will be provided at the 4 transit bus stops/shelters and any at crossings to supplement the street lighting and to enhance safety for pedestrians.

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

Currently, both sides of the entire mile-long Dysart Road corridor have sporadic sidewalk segments. The vast majority of these segments are not ADA compliant but nevertheless, the sidewalks could potentially be used by persons with disabilities. Conversely, there is no connectivity making it virtually impossible for those with disabilities to use Dysart Road from Van Buren Street to MC85 (Buckeye Road). Van Buren Street, like MC85, is a major arterial corridor with retail and commercial centers, and employment centers. In addition, the City's circulator travels Van Buren Street as well as Transit Route 3. Without the connectivity, persons with disabilities who live within this area, are not able to access the variable bus lines along Van Buren Street. The City is proposing to add this segment of Dysart Road to the transit route within the next two years. With this in mind, the project will install four (4) bus shelters along this segment of Dysart Road, complete with lighting, a shade component, and landscaping. The City, at their expense, will remove the power poles allowing ADA compliant pedestrian, transit and bicycle facilities to be installed. Pedestrian and bicycle facilities will be installed along both sides of Dysart Road providing safe, ADA compliant and continuous facilities.

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

The removal of the power poles, the construction of the ADA compliant pedestrian, transit and bicycle facilities will transform this corridor from a neglected and hazardous corridor for pedestrians and bicyclists to a safe ADA compliant area with safe pedestrian and bicycle facilities. The City will add pedestrian lighting, and landscaping with this project, which will enhance and beautify this corridor. The improved corridor look will provide a renewed sense of community and a pride of ownership. With so many residential areas (including high density apartments), retail and commercial centers abutting this segment of Dysart Road, the improvements will be welcomed and the corridor utilized. This corridor is also an employment area with many transit dependent residents living in the area (MAG Study).

**PART B-PROJECT DESCRIPTION**

11. Connectivity: (Check all that apply)

Project fills a gap in the system

Explain:

Currently, there is no existing sidewalk connectivity along either side of Dysart Road from Van Buren Street to MC85 (Buckeye Road). Dysart Road has multiple retail centers, commercial centers, shopping centers, a high density apartment complex, employment centers, Agua Fria High School, Bradley Academy K-8, and Imagine Charter School. The proposed sidewalk will provide connectivity to Western Avenue, a local hub that has retail, restaurants, offices, ADOT field offices, residential and the relatively new City of Avondale Sam Garcia Library. It will also connect residents, pedestrians, and bicyclists to Van Buren Street and MC85 (Buckeye Road) which are Avondale's busiest roadways. Like Dysart Road, Van Buren Street and MC85 (Buckeye Road) have many businesses, retail centers, employment centers, schools, and food markets.

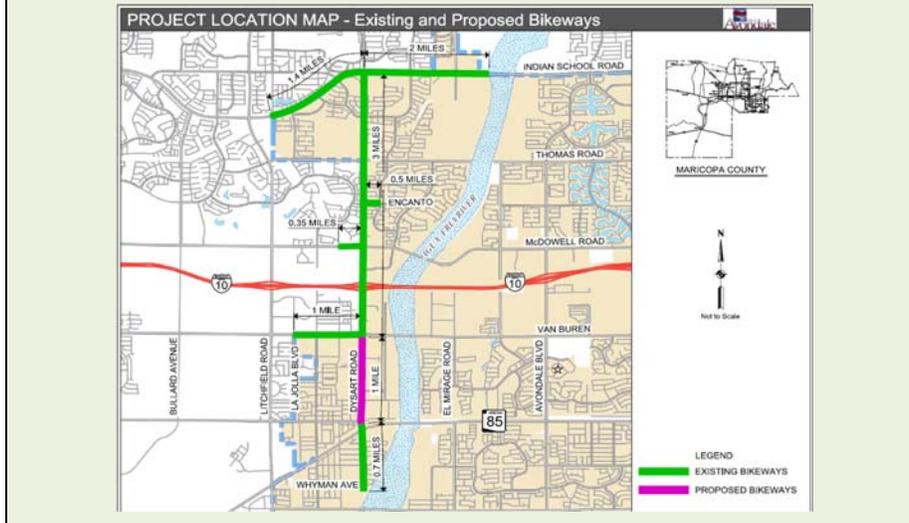
Project connects to other local bikeways

List of connected bikeways:

This project will connect:

Dysart Road north, from Van Buren St to Indian School Rd (3.0 miles), to Van Buren St west, from Dysart Rd to La Jolla (1.0 miles), to Dysart Rd south, from MC85 to Whyman (0.70 miles).

By connecting to Dysart Rd north, all the east-west roadways will open up to bicyclists such as McDowell Rd (west 0.35 miles to Goodyear) Encanto Blvd (east .50 miles), Indian School Rd (west 1.40 miles to Goodyear) and Indian School Rd (east 2.0 miles) for a total of 8.95 miles.



Multi Jurisdictional Project

List of Participating Jurisdictions:

The City of Goodyear was not asked, however, connecting Dysart Road from MC85 (Buckeye Road) to Van Buren Street will provide pedestrian and bicyclist connectivity to Goodyear through Van Buren Street (west) and Indian School Road (west).

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



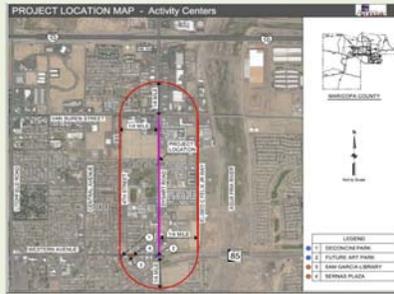
**PART B-PROJECT DESCRIPTION**

15. Number of activity centers (parks, libraries, senior centers, recreational centers, etc.) this project will benefit:

3 Within 1/4 mile

List:

Deconcini Park (1), Sam Garcia Library (2), Sernas Plaza (3), and the future Art Park (at Western Ave & Dysart Rd -not counted).



16. 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):

76 Within 1/4 mile

List:

Thiem Automotive, Salvation Army, Glorious Flowers, Dysart Business Park, A-Z Rentals, Avondale Family Health Center, Old Town Police Substation – Detention Facility, S+S Southwestern Management, Jack’s Place, Standard Construction, Maricopa County Housing Authority, Universal Auto Center, American Legion Post 61, Westside Crane, Dysart Liquor’s and Market, Cactus Jack’s Auto Sale, Kreative Cupcakes, Michelle’s Bridal, Fire Station 171, Llantera Mixteca, Rudolfo Brothers Plaster, A+R Auto, Rudolfo Brothers Plaster, JJ Gas, Vern Lewis Welding, Mini Max Food & Liquor, Customer Shirts, Harvest, Avondale Plaza, Estrella Homes, Gerber Collision, A&D Auto Body, Family Dollar Store, Taqueria La Jacky, Keepsake Tropy, Abacus Lock and Safe, Avondale Service Center, Alegre Mini Storage, Avondale Safety Service, Café Zamora, Auto Sales, Agua Fria Mini Storage, Acacia Lodge, Mikes Automotive Garage, Estrella Mobile Home Sale, West Valley Pawn, KTM Motor Sports, Total Care Center, Panaderia El Ranchito, Valley Tax, West Valley Metro, Weiss Guys Express Washm, MVD, Coldwater Plaza, Quiktrip, Avondale Quick Lube, Avondale Collision Center, E-Z Towing & Recovery, Superstar Carwash, Golden Corral Buffet, West Side Transmission, Sterling Plaza West, Sheriff Station, Super Discount Transmissions, Brake Masters, Fabric Depot Plaza, Gus & Sons, 1050 N Eliseo C Felix Jr Way, 1426 N Eliseo C Felix Jr Way, 1422 N Eliseo C Felix Jr Way, 1418 N Eliseo C Felix Jr Way, 1414 N Eliseo C Felix Jr Way, 1380 N Eliseo C Felix Jr Way, 1100 N Eliseo C Felix Jr Way, 1060 N Eliseo C Felix Jr Way.



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

0 Within 1/4 mile

List:

[Empty list box]

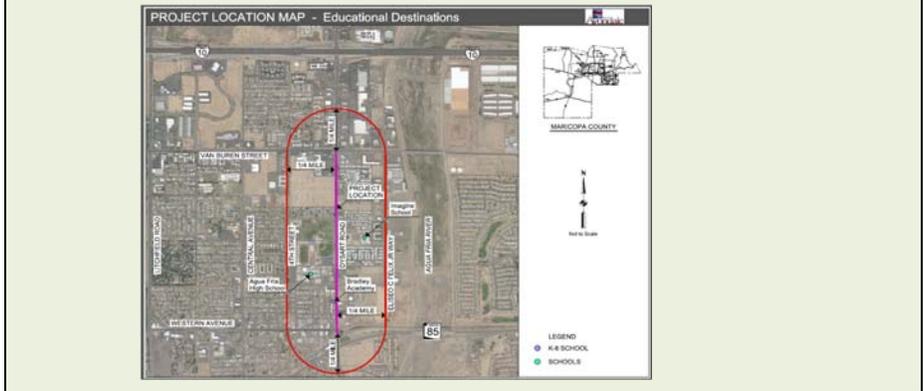
**PART B-PROJECT DESCRIPTION**

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

3 Within 1/4 mile

List:

Agua Fria High School, Bradley Academy and the Imagine School



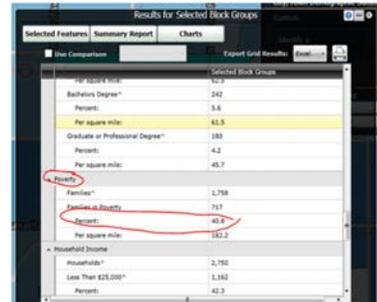
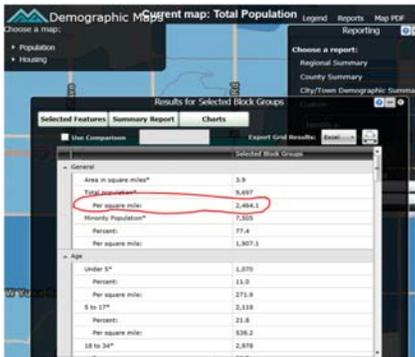
19. What are the demographics of the area served:

[MAG Demographic Mapping](#)

2464 People Per Square Mile

40.8 % Families in Poverty

Use the MAG Demographic Mapping link above. Zoom in to your project area. On the right-hand side of the screen, under "Reporting," select "Custom." 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 "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.



**PART B-PROJECT DESCRIPTION**

20. 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:

Dysart Road, Van Buren Street to MC85 (Buckeye Road)

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:

Major Arterial

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

Type of Facility the Improvement will be located on:

Arterial Road

1.06 Length (in Miles)

35 Posted Speed Limit (MPH)

4 Number of Travel Lanes

21. Please provide an estimated traffic volume (ADT) below. If project is not on a road (ex. Canal path), use nearest parallel arterial.

18,983 ADT Estimate

4/1/11 Date Counted

Name of road the traffic count was taken from

Dysart Road between Van Buren Street and Riley Drive

Description of Methodology and Source used for the ADT Estimate

United Civil Group conducted 24-hour bi-directional traffic counts using pneumatic tube counters.

22. 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.

The project will entail removing existing non-compliant ADA sidewalk, ramps and concrete driveways in an area that is all ready developed and essentially installing ADA compliant sidewalks, ramps and driveways. The existing public rights-of-way measures 7 - 17 feet behind the curb and does not encroach on natural washes or areas. We expect a categorical exclusion for this project.

23. 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

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

The City has all the required rights-of-way.

**PART B-PROJECT DESCRIPTION**

25. 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 checked="" type="checkbox"/> | Power Lines & Cables                    | Other:   |                    |
| <input type="checkbox"/>            | Pipelines, Sewer and Water              | The existing 12kv power will be undergrounded in October 2014. The City expects this project to bid no sooner than June 2015 (typically bids much later) which provides a cushion of eight (8) months. |                    |

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

No utility conflicts will need to be addressed, based upon 60% Roadway Construction Documents (Dysart Road-Van Buren to MC85) Pedestrian & Bicycle Improvements. Once the poles are removed from the sidewalk area on both sides of Dysart Road, there will be no other utilities in back of curb (surface utilities or underground). Water and sewer and other utilities have been installed in the roadway and will not conflict with the proposed sidewalks, ramps, landscaping or lighting.

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

|                                     |   |                                |
|-------------------------------------|---|--------------------------------|
| <input checked="" type="checkbox"/> | AASHTO Guide for Bicycle Facilities           | Other:<br><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 checked="" type="checkbox"/> | NACTO Urban Bikeway Design Guide              |                                |
| <input type="checkbox"/>            | RPTA Bus Stop Program and Standards           |                                |

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

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

29. The project is: (Check one)

Identified in General Plan, council adopted policy, or Capital Improvements Program (provide source)  
List:  
Council Adopted Policy (October 14th Council Meeting, 2013 Directive). Project to be included in the CIP for FY2014.

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

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

**PART B-PROJECT DESCRIPTION**

30. Identify the organization(s) responsible for on-going maintenance and repairs of the project:

City of Avondale

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

There have been many complaints from residents and businesses owners about the lack of pedestrian and bicycle facilities. Unfortunately, there have been accidents and injuries. Reducing or eliminating accidents would be Goal Number 1. This goal can be tracked and measured against previous years. Providing safe and ADA compliant, continuous pedestrian and bicycle facilities would be Goal Number 2. Although we cannot necessarily measure this goal, we know from experience that ADA compliant facilities are a must, not really an option. The City will distribute a survey to local residents and businesses owners but we are confident that these improvements will be well received by everyone. Based upon similar projects the City has completed over the years, providing pedestrian and bicycle facilities are very popular and requested by residents.

32. 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?

The City would like to explore automatic technology near the Agua Fria High School and the Bradley Academy K-8 school. Manual data is also possible to be completed through the use of the City's Traffic Engineering Operations budget.

33. 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 City's Community Relations Department will market this project by: highlighting it on the City's website and in social media outlets; sending out a Press Release to local media to help us create awareness of the project and its impact/benefit to the community; and, mailing informational brochures illustrating the new pedestrian and bicycle facilities and highlighting the project's benefits to businesses and residents within the project's area of impact. Included with the information presented to businesses and residents about the project, will be information on the existing/proposed bus service and neighborhood circular (ZOOM) along this segment, as this area will now have continuous, accessible pedestrian and cyclist connectivity to these transit services. Additionally, this project will be showcased at Resident Appreciation Night, which is an annual event that attracts over 4,000 residents. Finally, due to the unique nature of this project, a campaign/events targeting schools within the project's area of impact (e.g. Agua Fria High School, Bradley Academy and Imagine Charter School) will be developed to engage these users and educate them on the impacts/benefits the project can have on them.

## **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 between Part B and Part D on 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 with streets labeled showing the location(s) of the proposed project, including a north arrow.

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

3) Please attach a simple diagram of the current typical cross section, including widths, of the segment that shows the right of way limits, 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.).

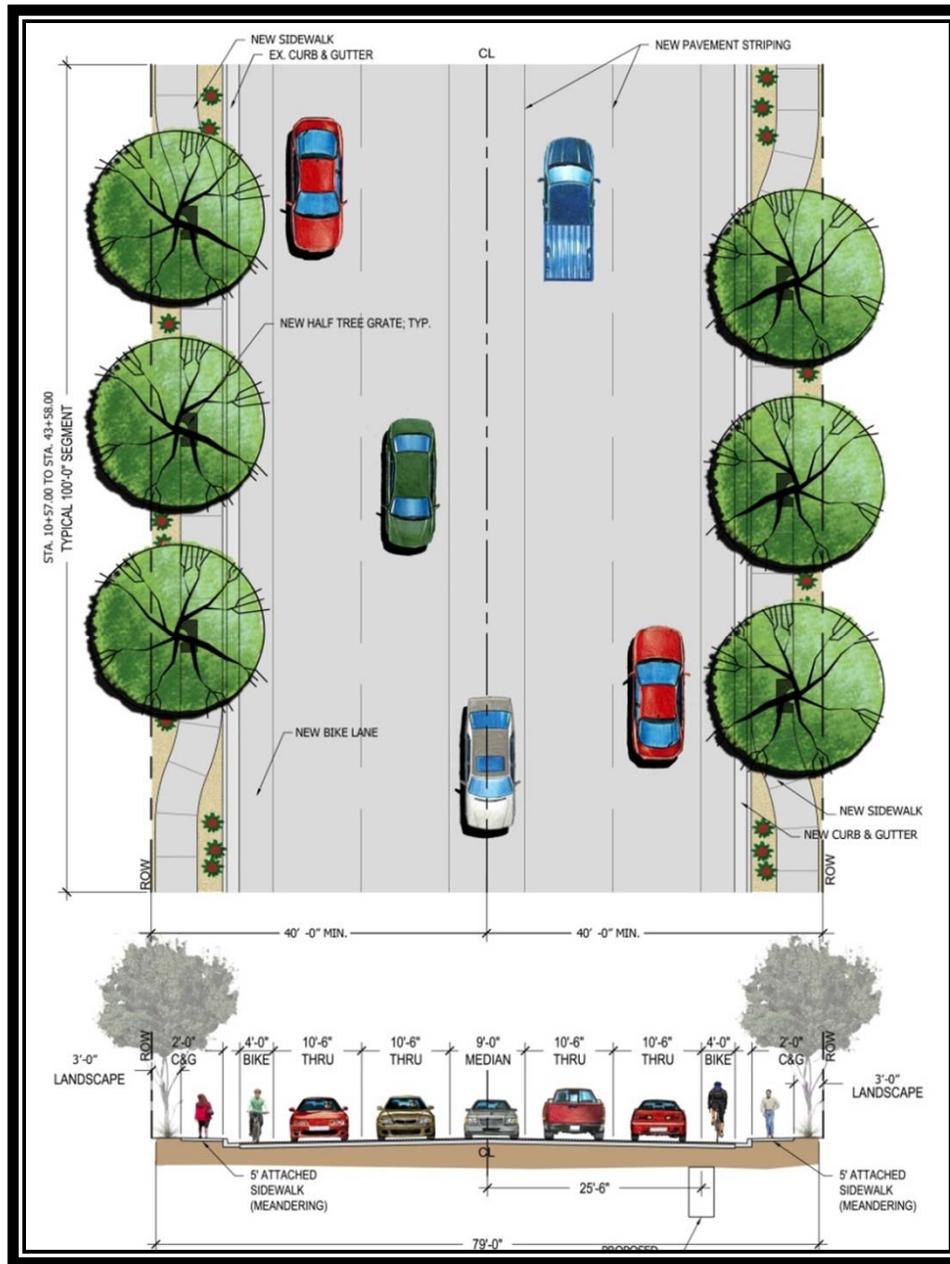
(OPTIONAL) Attach any crash report(s) referenced in Part B, Section 2, #6.

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

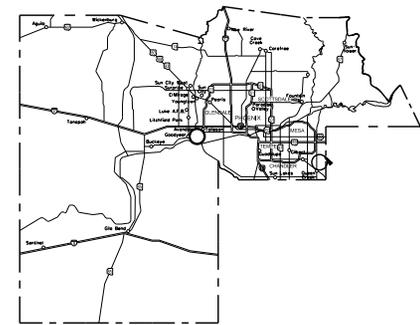
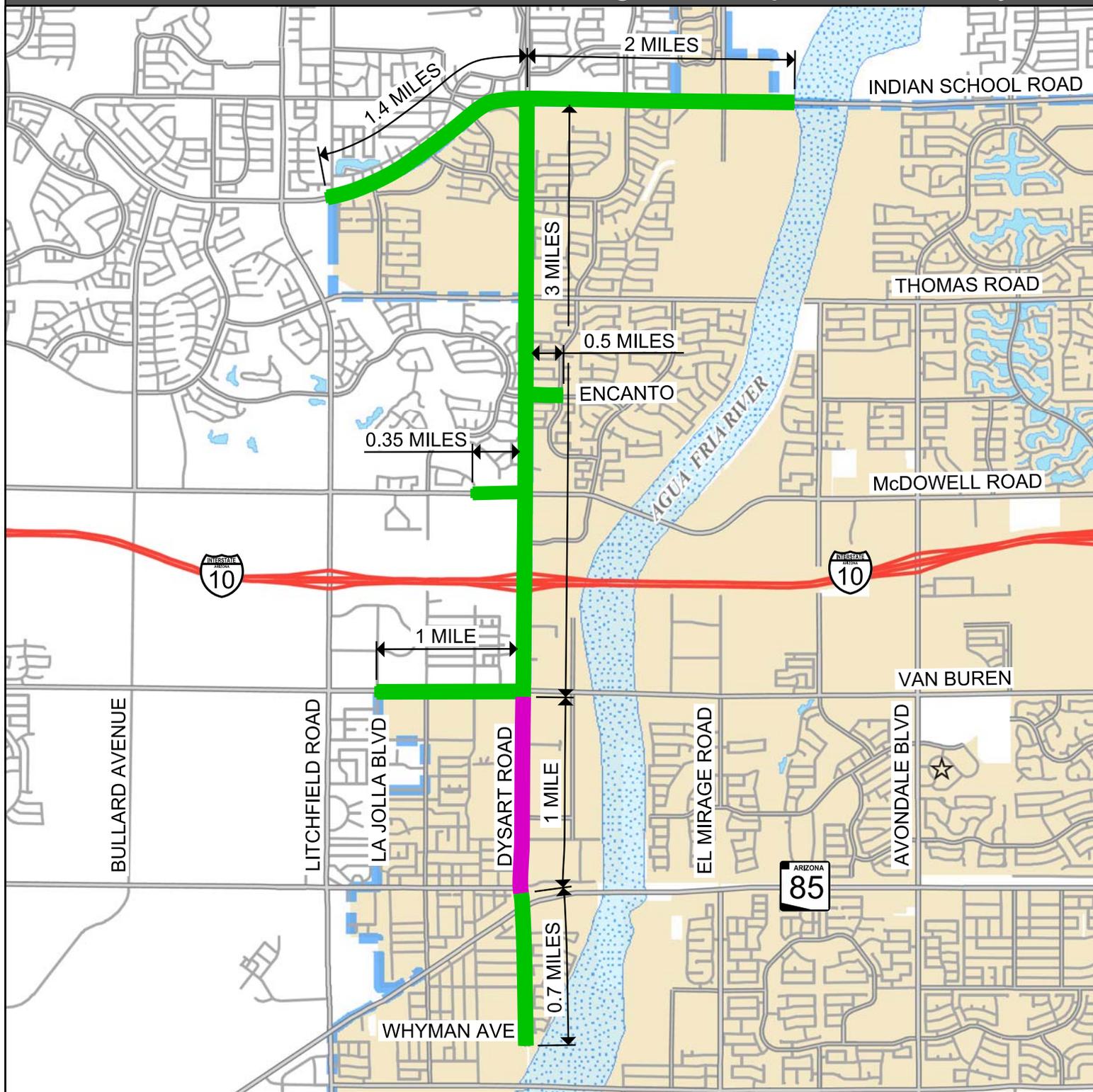




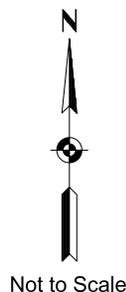




# PROJECT LOCATION MAP - Existing and Proposed Bikeways



MARICOPA COUNTY



Not to Scale

- LEGEND
-  EXISTING BIKEWAYS
  -  PROPOSED BIKEWAYS

# Results for Selected Block Groups

Selected Features Summary Report Charts

Use Comparison

Export Grid Results: Excel

Identify a:

| Selected Block Groups            |       |
|----------------------------------|-------|
| Per square mile:                 | 62.5  |
| Bachelors Degree^                | 242   |
| Percent:                         | 5.6   |
| Per square mile:                 | 61.5  |
| Graduate or Professional Degree^ | 180   |
| Percent:                         | 4.2   |
| Per square mile:                 | 45.7  |
| Poverty                          |       |
| Families^                        | 1,758 |
| Families in Poverty              | 717   |
| Percent:                         | 40.8  |
| Per square mile:                 | 182.2 |
| Household Income                 |       |
| Households^                      | 2,750 |
| Less Than \$25,000^              | 1,162 |
| Percent:                         | 42.3  |

Demographic Maps Current map: Total Population Legend Reports Map PDF H

Choose a map:  
▶ Population  
▶ Housing

Reporting  
Choose a report:  
Regional Summary  
County Summary  
City/Town Demographic Summary  
Custom

Identify a:

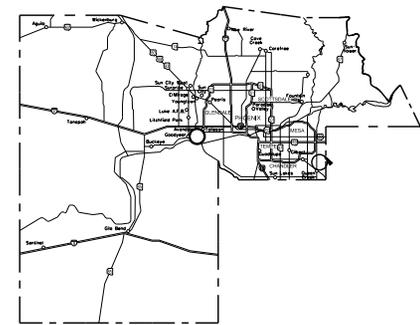
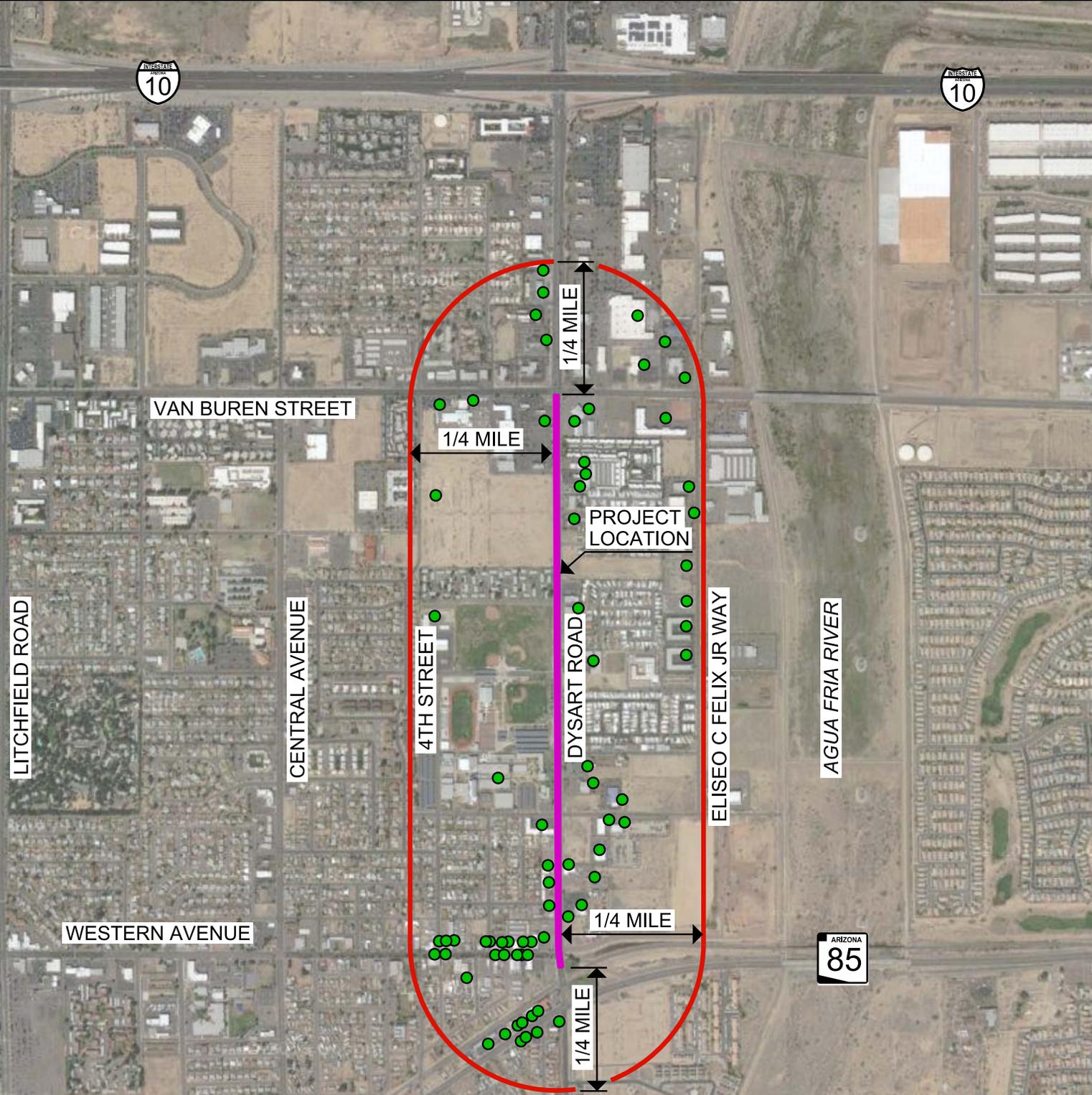
Use Comparison  Export Grid Results: Excel

### Results for Selected Block Groups

Selected Features Summary Report Charts

| Selected Block Groups |         |
|-----------------------|---------|
| ^ General             |         |
| Area in square miles* | 3.9     |
| Total population*     | 9,697   |
| Per square mile:      | 2,464.1 |
| Minority Population*  | 7,505   |
| Percent:              | 77.4    |
| Per square mile:      | 1,907.1 |
| ^ Age                 |         |
| Under 5*              | 1,070   |
| Percent:              | 11.0    |
| Per square mile:      | 271.9   |
| 5 to 17*              | 2,118   |
| Percent:              | 21.8    |
| Per square mile:      | 538.2   |
| 18 to 34*             | 2,978   |

# PROJECT LOCATION MAP - Commercial & Employment Destination Areas



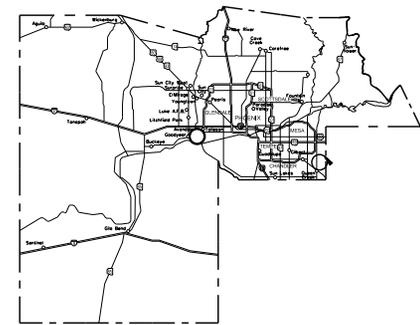
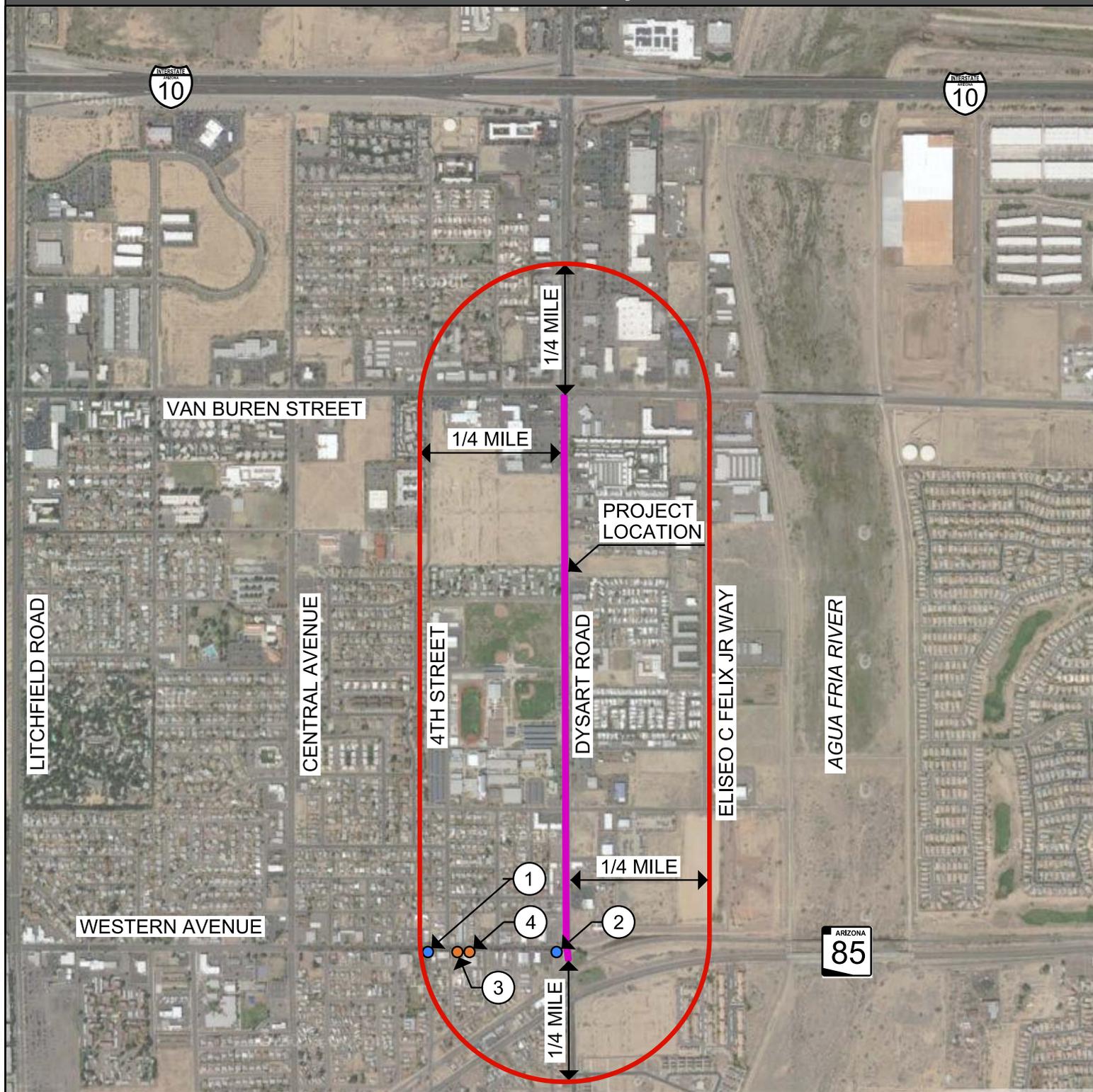
MARICOPA COUNTY



Not to Scale

- LEGEND
- COMMERCIAL, RETAIL & BUSINESS PARKS

# PROJECT LOCATION MAP - Activity Centers

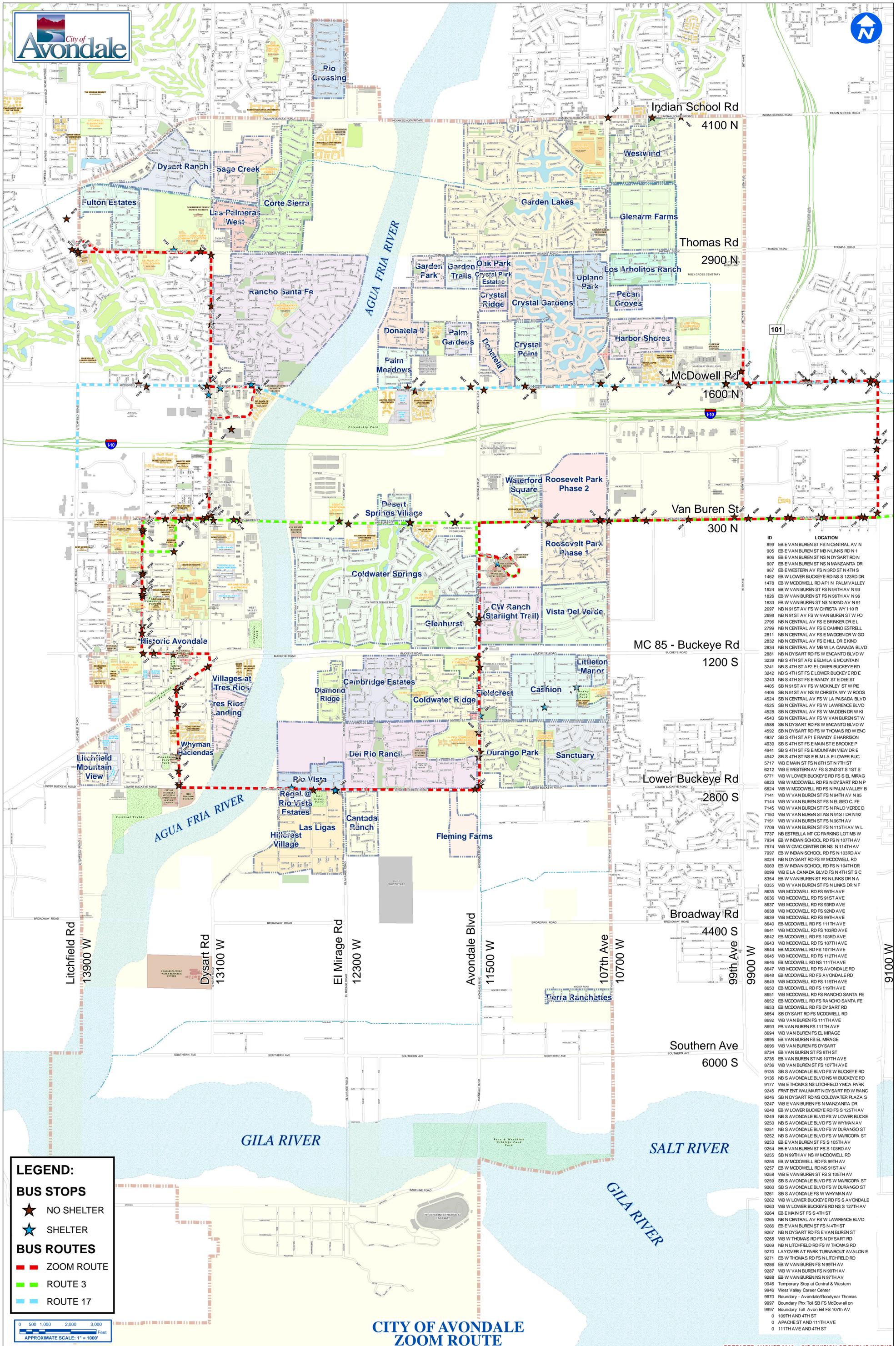
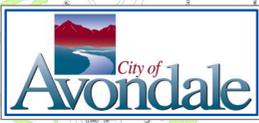


MARICOPA COUNTY



Not to Scale

| LEGEND |                    |
|--------|--------------------|
| ● 1    | DECONCINI PARK     |
| ● 2    | FUTURE ART PARK    |
| ● 3    | SAM GARCIA LIBRARY |
| ● 4    | SERNAS PLAZA       |



**LEGEND:**

**BUS STOPS**

- ★ NO SHELTER
- ★ SHELTER

**BUS ROUTES**

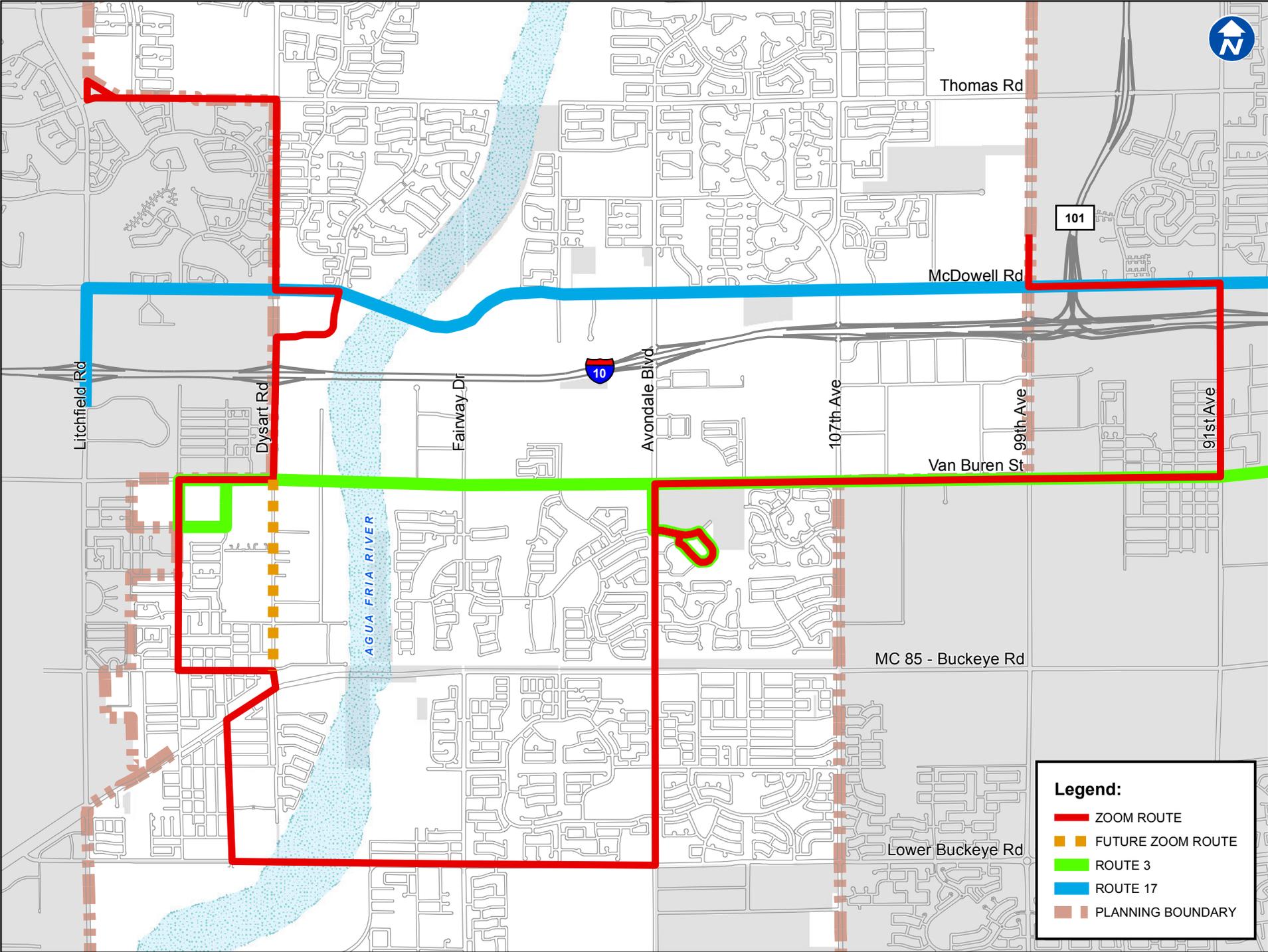
- ZOOM ROUTE
- ROUTE 3
- ROUTE 17



### CITY OF AVONDALE ZOOM ROUTE

| ID   | LOCATION                             |
|------|--------------------------------------|
| 899  | EB E VAN BUREN ST FS N CENTRAL AV N  |
| 905  | EB E VAN BUREN ST MB N LINKS RD N 1  |
| 906  | EB E VAN BUREN ST NS N DY SART RD N  |
| 907  | EB E VAN BUREN ST NS N MANZANITA DR  |
| 967  | EB E WESTERN AV FS N 3RD ST N 4TH S  |
| 1462 | EB W LOWER BUCKEY RD NS S 123RD DR   |
| 1478 | EB W MCDOWELL RD AF1 N PALM VALLEY   |
| 1524 | EB W VAN BUREN ST FS N 94TH AV N 93  |
| 1826 | EB W VAN BUREN ST FS N 96TH AV N 96  |
| 1833 | EB W VAN BUREN ST NS N 92ND AV N 91  |
| 2697 | NB N 91ST AV FS W CHRISTA WY 110 R   |
| 2698 | NB N 91ST AV FS W VAN BUREN ST W PO  |
| 2796 | NB N CENTRAL AV FS E BRINKER DR E L  |
| 2799 | NB N CENTRAL AV FS E CAMINO ESTRELL  |
| 2811 | NB N CENTRAL AV FS E MADDEN DR W GO  |
| 2832 | NB N CENTRAL AV FS E ILL DR E WND    |
| 2834 | NB N CENTRAL AV MB W LA CANADA BLVD  |
| 2881 | NB N DY SART RD FS W ENCANTO BLVD W  |
| 3239 | NB S 4TH ST AF2 E ELM LA E MOUNTAIN  |
| 3241 | NB S 4TH ST AF2 E LOWER BUCKEY RD    |
| 3242 | NB S 4TH ST FS E LOWER BUCKEY RD E   |
| 3243 | NB S 4TH ST FS E RANDY ST E DEE ST   |
| 4405 | SB N 91ST AV FS W MCKINLEY ST W PE   |
| 4406 | SB N 91ST AV NS W CHRISTA WY W ROOS  |
| 4524 | SB N CENTRAL AV FS W LA PASADA BLVD  |
| 4525 | SB N CENTRAL AV FS W LAWRENCE BLVD   |
| 4528 | SB N CENTRAL AV FS W MADDEN DR W KI  |
| 4543 | SB N CENTRAL AV FS W VAN BUREN ST W  |
| 4588 | SB N DY SART RD FS W ENCANTO BLVD W  |
| 4592 | SB N DY SART RD FS W THOMAS RD W ENC |
| 4937 | SB S 4TH ST AF1 E RANDY E HARRISON   |
| 4939 | SB S 4TH ST FS E MAIN ST E BROOKNE P |
| 4941 | SB S 4TH ST FS E EL M LA E LOWER BUC |
| 4942 | SB S 4TH ST NS E ELM LA E LOWER BUC  |
| 5717 | WB E MAIN ST FS N 8TH ST N 7TH ST    |
| 6212 | WB E WESTERN AV FS S 2ND ST S 1ST S  |
| 6771 | WB W LOWER BUCKEY RD FS S EL MRAIG   |
| 6823 | WB W MCDOWELL RD FS N DY SART RD N P |
| 6824 | WB W MCDOWELL RD FS N PALM VALLEY B  |
| 7141 | WB W VAN BUREN ST FS N 94TH AV N 95  |
| 7144 | WB W VAN BUREN ST FS N ELISEO C. FE  |
| 7145 | WB W VAN BUREN ST FS N PALO VERDE D  |
| 7150 | WB W VAN BUREN ST FS N 91ST DR N 92  |
| 7151 | WB W VAN BUREN ST FS N 96TH AV       |
| 7708 | WB W VAN BUREN ST FS N 115TH AV W L  |
| 7737 | NB ESTRELLA MT CC PARKING LOT MB W   |
| 7934 | EB W INDIAN SCHOOL RD FS N 107TH AV  |
| 7974 | WB W CIVIC CENTER DR NS N 114TH AV   |
| 7997 | EB W INDIAN SCHOOL RD FS N 103RD AV  |
| 8024 | NB N DY SART RD FS W MCDOWELL RD     |
| 8069 | EB W INDIAN SCHOOL RD FS N 104TH DR  |
| 8099 | WB E LA CANADA BLVD FS N 4TH ST S C  |
| 8354 | EB W VAN BUREN ST FS N LINKS DR N A  |
| 8355 | WB W VAN BUREN ST FS N LINKS DR N F  |
| 8635 | WB MCDOWELL RD FS 95TH AVE           |
| 8636 | WB MCDOWELL RD FS 91ST AVE           |
| 8637 | WB MCDOWELL RD FS 93RD AVE           |
| 8638 | WB MCDOWELL RD FS 92ND AVE           |
| 8639 | WB MCDOWELL RD FS 99TH AVE           |
| 8640 | WB MCDOWELL RD FS 111TH AVE          |
| 8641 | WB MCDOWELL RD FS 103RD AVE          |
| 8642 | WB MCDOWELL RD FS 103RD AVE          |
| 8643 | WB MCDOWELL RD FS 107TH AVE          |
| 8644 | WB MCDOWELL RD FS 107TH AVE          |
| 8645 | WB MCDOWELL RD FS 112TH AVE          |
| 8646 | WB MCDOWELL RD FS 111TH AVE          |
| 8647 | WB MCDOWELL RD FS AVONDALE RD        |
| 8648 | WB MCDOWELL RD FS AVONDALE RD        |
| 8649 | WB MCDOWELL RD FS 119TH AVE          |
| 8650 | WB MCDOWELL RD FS 119TH AVE          |
| 8651 | WB MCDOWELL RD FS RANCHO SANTA FE    |
| 8652 | EB MCDOWELL RD FS RANCHO SANTA FE    |
| 8653 | EB MCDOWELL RD FS DY SART RD         |
| 8654 | SB DY SART RD FS MCDOWELL RD         |
| 8652 | WB VAN BUREN FS 111TH AVE            |
| 8693 | EB VAN BUREN FS 111TH AVE            |
| 8694 | WB VAN BUREN FS EL MIRAGE            |
| 8695 | EB VAN BUREN FS EL MIRAGE            |
| 8696 | WB VAN BUREN FS DY SART              |
| 8734 | EB VAN BUREN ST FS 8TH ST            |
| 8735 | EB VAN BUREN ST NS 107TH AVE         |
| 8736 | WB VAN BUREN ST FS 107TH AVE         |
| 9135 | SB S AVONDALE BLVD FS W BUCKEY RD    |
| 9136 | NB S AVONDALE BLVD NS W BUCKEY RD    |
| 9177 | WB E THOMAS NS LITCHFIELD YMCA PARK  |
| 9245 | FRNT ENT WALMART N DY SART RD W RANC |
| 9246 | SB N DY SART RD NS COLDWATER PLAZA S |
| 9247 | WB E VAN BUREN FS N MANZANITA DR     |
| 9248 | EB W LOWER BUCKEY RD FS S 125TH AV   |
| 9249 | NB S AVONDALE BLVD FS W LOWER BUCKE  |
| 9250 | NB S AVONDALE BLVD FS W WHYMAN AV    |
| 9251 | NB S AVONDALE BLVD FS W DURANGO ST   |
| 9252 | NB S AVONDALE BLVD FS W MARCOOPA ST  |
| 9253 | EB E VAN BUREN ST FS S 105TH AV      |
| 9254 | EB E VAN BUREN ST FS S 103RD AV      |
| 9255 | SB N 99TH AV NS W MCDOWELL RD        |
| 9256 | EB W MCDOWELL RD FS 99TH AV          |
| 9257 | EB W MCDOWELL RD NS 91ST AV          |
| 9258 | WB E VAN BUREN ST FS S 105TH AV      |
| 9259 | SB S AVONDALE BLVD FS W MARCOOPA ST  |
| 9260 | SB S AVONDALE BLVD FS W DURANGO ST   |
| 9261 | SB S AVONDALE FS W WHYMAN AV         |
| 9262 | WB W LOWER BUCKEY RD FS S AVONDALE   |
| 9263 | WB W LOWER BUCKEY RD NS S 127TH AV   |
| 9264 | EB E MAIN ST FS S 4TH ST             |
| 9265 | NB N CENTRAL AV FS W LAWRENCE BLVD   |
| 9266 | EB VAN BUREN ST FS N 4TH ST          |
| 9267 | NB N DY SART RD FS E VAN BUREN ST    |
| 9268 | WB W THOMAS RD FS N DY SART RD       |
| 9269 | NB N LITCHFIELD RD FS W THOMAS RD    |
| 9270 | LAY OVER AT PARK TURNABOUT AV ALON E |
| 9271 | EB W THOMAS RD FS N LITCHFIELD RD    |
| 9278 | EB W VAN BUREN FS N 99TH AV          |
| 9287 | WB W VAN BUREN FS N 99TH AV          |
| 9288 | EB W VAN BUREN NS N 97TH AV          |
| 9946 | Temporary Stop at Central & Western  |
| 9946 | West Valley Career Center            |
| 9970 | Boundary - Avondale/Goodyear Thomas  |
| 9997 | Boundary Phx Toll SB FS McDowell on  |
| 9997 | Boundary Toll Avon EB FS 107th Av    |
| 0    | 109TH AND 4TH ST                     |
| 0    | APACHE ST AND 111TH AVE              |
| 0    | 111TH AVE AND 4TH ST                 |

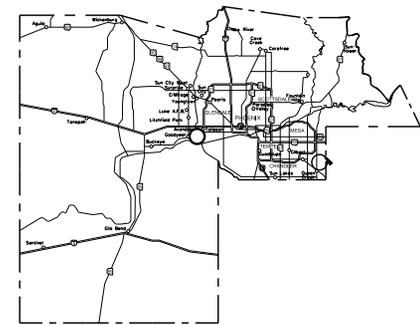
CITY OF AVONDALE



**Legend:**

- ZOOM ROUTE
- FUTURE ZOOM ROUTE
- ROUTE 3
- ROUTE 17
- PLANNING BOUNDARY

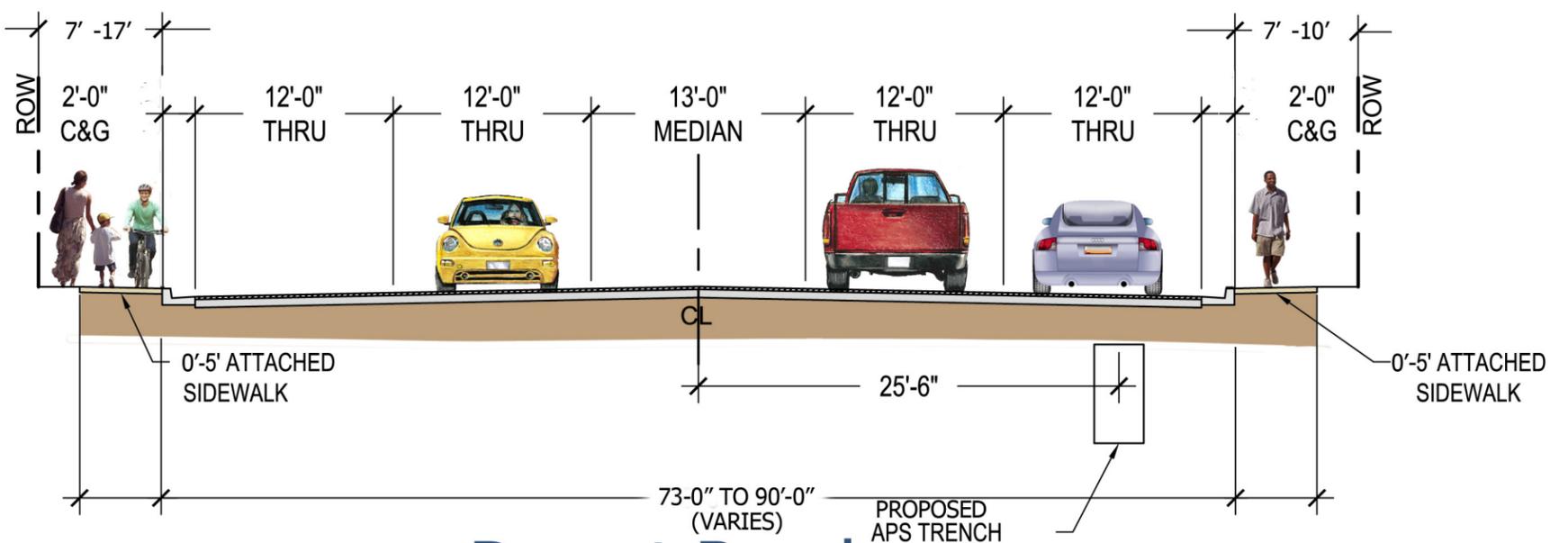
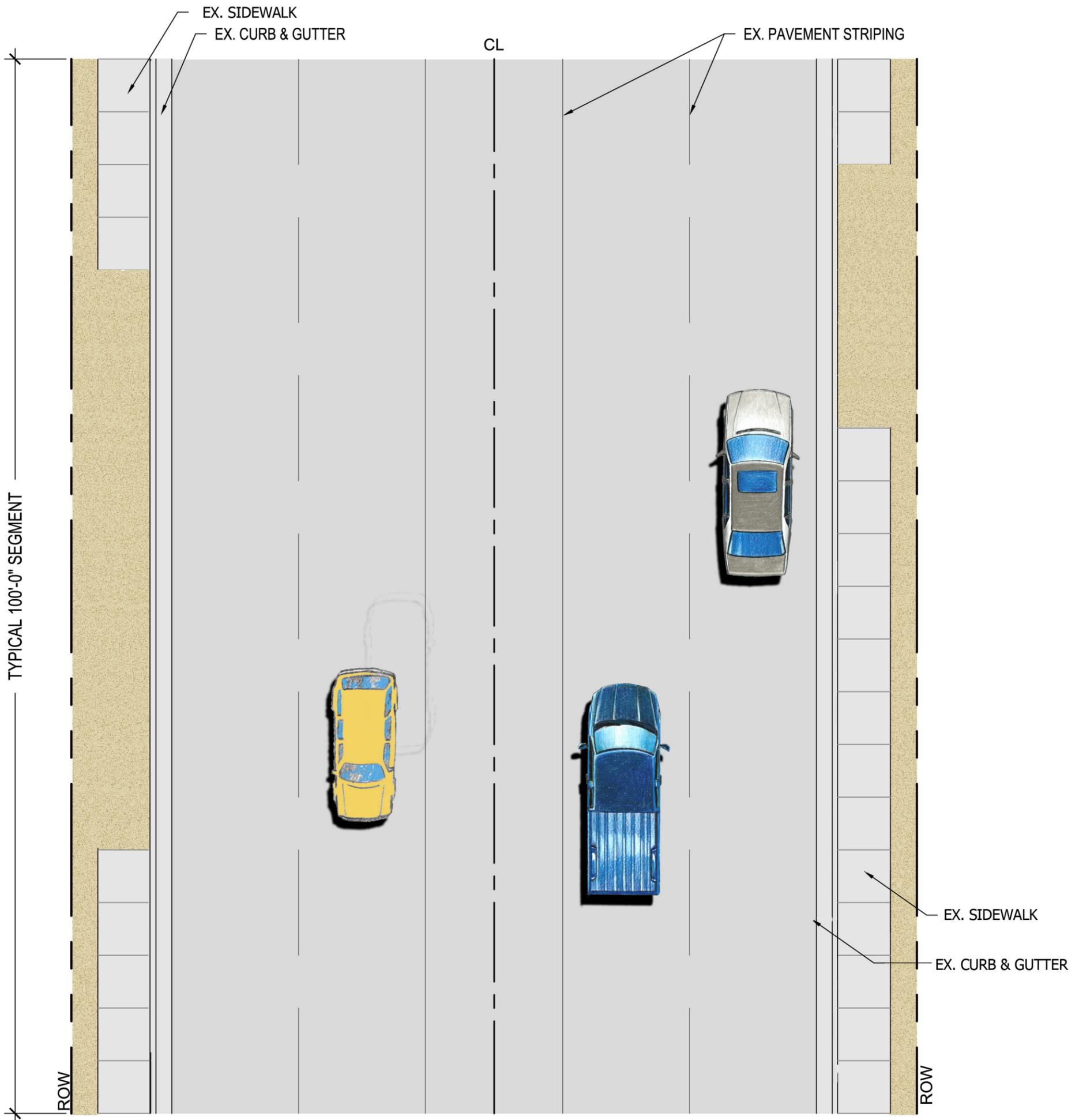
# PROJECT LOCATION MAP



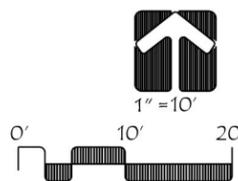
MARICOPA COUNTY

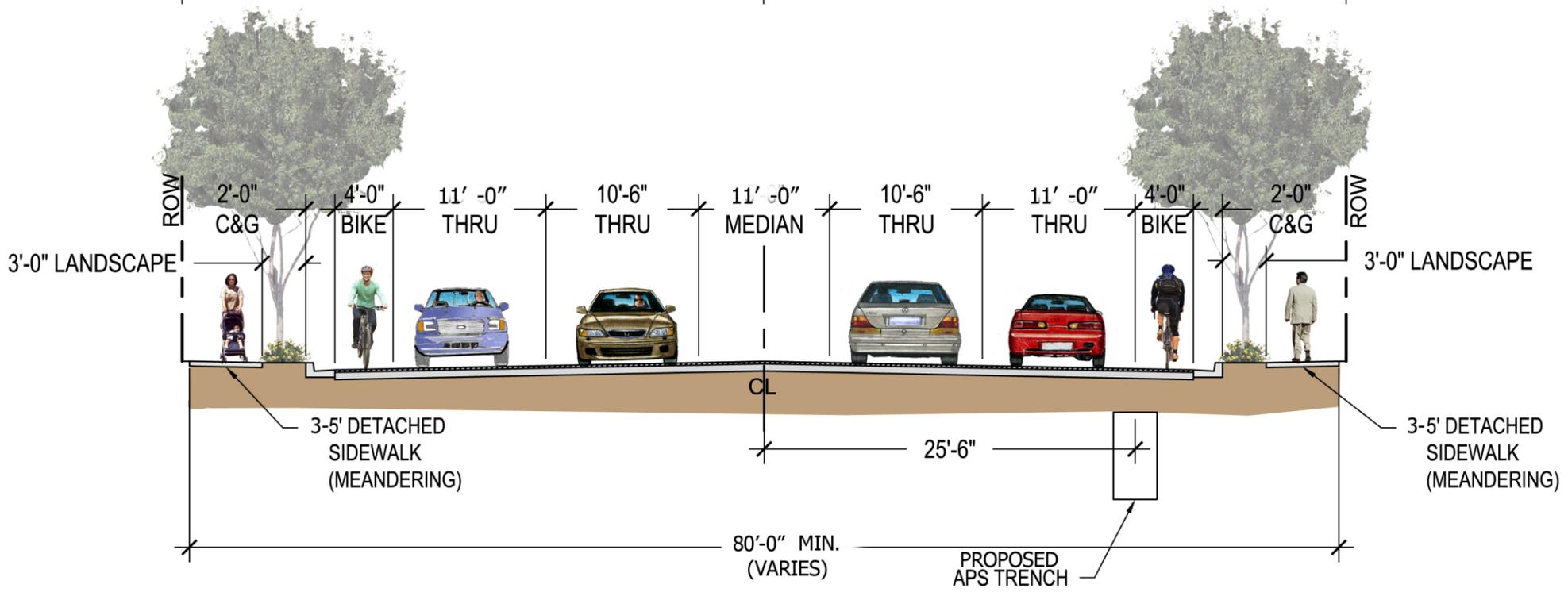
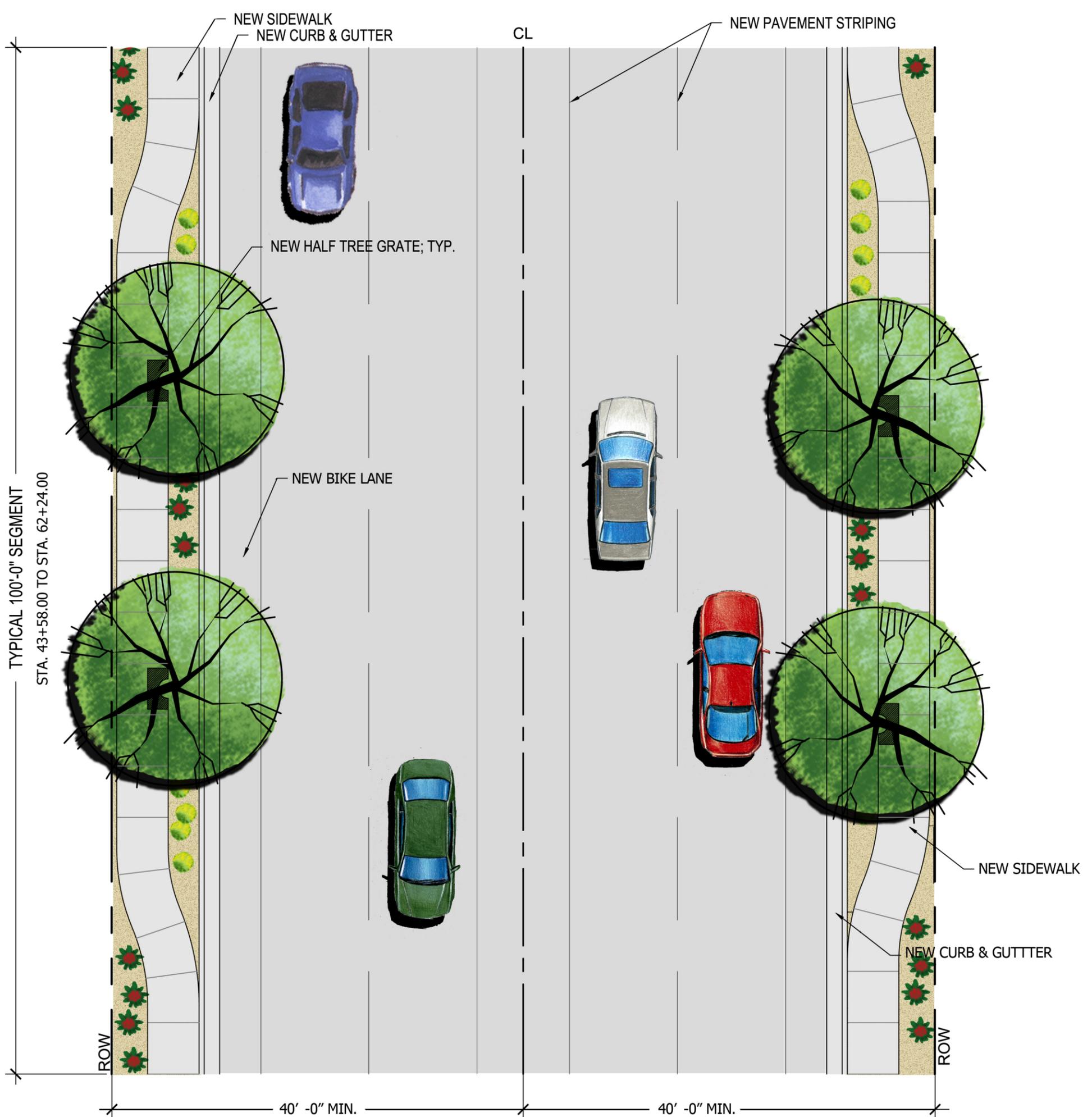


Not to Scale

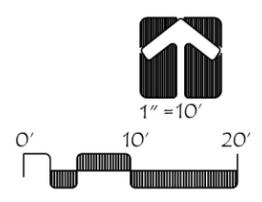


# Dysart Road concept alternative 1 (EXISTING)





# Dysart Road concept alternative 3B



**Arizona Department of Transportation  
Traffic Records Section  
Standard Detailed Report**

| IncidentId | Incident Microfilm | IncidentDateTime | IncidentOnroad | IncidentCrossingFeature | IncidentOffset | IncidentInjurySeverityDesc | IncidentFirstHarmful Desc | IncidentCollisionManner Desc                | IncidentLightConditionDesc | IncidentWeatherDesc |
|------------|--------------------|------------------|----------------|-------------------------|----------------|----------------------------|---------------------------|---|----------------------------|---------------------|
| 2142291    | 18355674           | 9/2/2008 17:47   | 07 WESTERN AVE | 07 4TH ST               | 0.0019         | POSSIBLE_INJURY            | PEDESTRIAN                | SINGLE VEHICLE                              | DAWN                       | CLEAR               |
| 2142291    | 18355674           | 9/2/2008 17:47   | 07 WESTERN AVE | 07 4TH ST               | 0.0019         | POSSIBLE_INJURY            | PEDESTRIAN                | SINGLE VEHICLE                              | DAWN                       | CLEAR               |
| 2340542    | 19184272           | 9/7/2009 14:07   | 07 WESTERN AVE | 07 CENTRAL AVE 1        | -0.0019        | POSSIBLE_INJURY            | PEDALCYCLE                | ANGLE (front to side)(other than left turn) | DAYLIGHT                   | CLEAR               |
| 2340542    | 19184272           | 9/7/2009 14:07   | 07 WESTERN AVE | 07 CENTRAL AVE 1        | -0.0019        | POSSIBLE_INJURY            | PEDALCYCLE                | ANGLE (front to side)(other than left turn) | DAYLIGHT                   | CLEAR               |
| 2605610    | 20945774           | 4/23/2012 17:30  | 07 WESTERN AVE | 07 5TH ST               | 0.0142         | NON_INCAPACITATING_INJURY  | PEDESTRIAN                | OTHER                                       | DAYLIGHT                   | CLEAR               |
| 2605610    | 20945774           | 4/23/2012 17:30  | 07 WESTERN AVE | 07 5TH ST               | 0.0142         | NON_INCAPACITATING_INJURY  | PEDESTRIAN                | OTHER                                       | DAYLIGHT                   | CLEAR               |

**Report Parameters**

Report Generated on: 10/14/2013 11:35:57  
 Report ID: fde69171-aace-438f-a4e9-ea51302c  
 Incident Date Between '1/1/2008' And '12/31/2012'  
 PersonTypeDesc : 'DRIVER', 'DRIVERLESS', 'PEDESTRIAN'  
 Route : 'Western Ave'  
 To Feature/Offset : 6th St + 1300 Feet  
 From Feature/Offset : Central Ave - 1300 Feet

**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.

| City of Avondale  |  | Dysart Road-Van Buren to MC85 Pedestrian and Bicycle Improvements |                                     | 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                                   | \$4,000.00  | \$4,000.00          | No                 | \$0.00                | \$4,000.00          | City has recently picked up survey topography information that can be shared with ADOT's consultant reducing design time and cost.                            |                    |                               |
|   | 2. PROJECT ASSESSMENT REPORT or DETAILED WORKPLAN  | LS  | 1                                   | \$20,000.00 | \$20,000.00         | No                 | \$0.00                | \$20,000.00         | City has 60% construction documents with all utilities shown and potholed that can be shared with ADOT's consultant therefore reducing design costs and time. |                    |                               |
|   | 3. ENVIRONMENTAL DETERMINATION (Infrastructure projects, including technical supporting documents) | LS  | 1                                   | \$30,000.00 | \$30,000.00         | No                 | \$0.00                | \$30,000.00         |   |                    |                               |
|   | 4. HAZMAT ASSESSMENT   | LS  | 1                                   | \$5,000.00  | \$5,000.00          | No                 | \$0.00                | \$5,000.00          |   |                    |                               |
|   | <b>Subtotal Scoping (Part A)</b>   |   |                                     |             |                     | <b>\$59,000.00</b> |                       | <b>\$0.00</b>       | <b>\$59,000.00</b>  |                    |                               |
| B. Final Preliminary Engineering Design - Stages II, III, IV And PS&E   | 1. Plans, Special Provisions or Bid Manual, Cost Estimate & Schedules.                             | LS  | 1                                   | \$80,000.00 | \$80,000.00         | No                 | \$0.00                | \$80,000.00         | Take plans from 60% to 100% final   |                    |                               |
|   | 2. GEOTECHNICAL INVESTIGATION and Materials & Pavement Design Report                               | LS  | 1                                   | \$5,000.00  | \$5,000.00          | No                 | \$0.00                | \$5,000.00          |   |                    |                               |
|   | 3. DRAINAGE REPORT   | LS  | 0                                   | \$0.00      | \$0.00              | No                 | \$0.00                | \$0.00              |   |                    |                               |
|   | 4. SWPPP   | LS  | 1                                   | \$1,000.00  | \$1,000.00          | No                 | \$0.00                | \$1,000.00          |   |                    |                               |
|   | <b>Subtotal PE (Part B)</b>  |   |                                     |             |                     | <b>\$86,000.00</b> |                       | <b>\$0.00</b>       | <b>\$86,000.00</b>  |                    |                               |
| <b>Subtotal Preliminary Engineering (Part A + Part B)</b>   |  |   |                                     |             | <b>\$145,000.00</b> |                    | <b>\$0.00</b>         | <b>\$145,000.00</b> |   |                    |                               |
| C. Right-of-Way Acquisition   | 1. Right-of-Way Acquisition  | LS  | 0                                   | \$0.00      | \$0.00              | No                 | \$0.00                | \$0.00              |   |                    |                               |
| <b>Subtotal Right-of-Way Acquisition (Part C)</b>   |  |   |                                     |             | <b>\$0.00</b>       |                    | <b>\$0.00</b>         | <b>\$0.00</b>       |   |                    |                               |
| D. Utility Relocation   | 1. Utility Relocation  | LS  | 0                                   | \$0.00      | \$0.00              | No                 | \$0.00                | \$0.00              |   |                    |                               |
| <b>Subtotal Utility Relocation (Part D)</b>   |  |   |                                     |             | <b>\$0.00</b>       |                    | <b>\$0.00</b>         | <b>\$0.00</b>       |   |                    |                               |
| E. Construction Or Implementation<br>[For Non-Infrastructure Projects (No Ground Disturbing Activities), Address Only Part 4] | 1. Hardscape Construction  | Installation Of SWPP Measures                                     |                                     | LS          | 1                   | \$2,000.00         | \$2,000.00            | Yes                 | \$1,886.00  | \$114.00           |                               |
|   |  | Site Preparation  |                                     | LS          | 1                   | \$5,000.00         | \$5,000.00            | Yes                 | \$4,715.00  | \$285.00           |                               |
|   |  | Demolition  | Sawcut                              | LF          | 500                 | \$4.50             | \$2,250.00            | Yes                 | \$2,121.75  | \$128.25           |                               |
|   |  |   | Remove Structures and Obstructions  | LS          | 1                   | \$5,000.00         | \$5,000.00            | Yes                 | \$4,715.00  | \$285.00           |                               |
|   |  |   | Remove Fencing                      | LF          | 0                   | \$0.00             | \$0.00                | Yes                 | \$0.00  | \$0.00             |                               |
|   |  |   | Remove Structural Concrete          | CY          | 0                   | \$0.00             | \$0.00                | Yes                 | \$0.00  | \$0.00             |                               |
|   |  |   | Remove Asphaltic Concrete Pavement  | SF          | 1,000               | \$3.50             | \$3,500.00            | Yes                 | \$3,300.50  | \$199.50           |                               |
|   |  |   | Remove Concrete Sidewalks, Slabs    | SF          | 18,000              | \$4.00             | \$72,000.00           | Yes                 | \$67,896.00   | \$4,104.00         |                               |
|   |  | Hazmat Abatement  |                                     | LS          | 0                   | \$0.00             | \$0.00                | Yes                 | \$0.00  | \$0.00             |                               |
|   |  | Retaining Wall - Reinforced Concrete Cantilevered                 |                                     | SF          | 0                   | \$0.00             | \$0.00                | Yes                 | \$0.00  | \$0.00             |                               |
|   |  | Earthwork   | General Excavation                  | CY          | 0                   | \$0.00             | \$0.00                | Yes                 | \$0.00  | \$0.00             |                               |
|   |  |   | Drainage Excavation                 | CY          | 0                   | \$0.00             | \$0.00                | Yes                 | \$0.00  | \$0.00             |                               |
|   |  |   | Structural Excavation               | CY          | 0                   | \$0.00             | \$0.00                | Yes                 | \$0.00  | \$0.00             |                               |
|   |  |   | Structural Backfill                 | CY          | 0                   | \$0.00             | \$0.00                | Yes                 | \$0.00  | \$0.00             |                               |
|   |  |   | Borrow (In Place)                   | CY          | 0                   | \$0.00             | \$0.00                | Yes                 | \$0.00  | \$0.00             |                               |
|   |  | Curb & Gutter   |                                     | LF          | 400                 | \$15.00            | \$6,000.00            | Yes                 | \$5,658.00  | \$342.00           |                               |
|   |  | Aggregate Base  |                                     | CY          | 447                 | \$40.00            | \$17,880.00           | Yes                 | \$16,860.84   | \$1,019.16         |                               |
|   |  | Pathway Or Sidewalk Materials                                     | Concrete                            | SF          | 36,220              | \$6.00             | \$217,320.00          | Yes                 | \$204,932.76  | \$12,387.24        |                               |
|   |  |   | Colored Concrete                    | SF          | 500                 | \$12.00            | \$6,000.00            | Yes                 | \$5,658.00  | \$342.00           |                               |
|   |  |   | Stamped Color Concrete              | SF          | 200                 | \$15.00            | \$3,000.00            | Yes                 | \$2,829.00  | \$171.00           |                               |
|   |  |   | Precast Concrete Pavers             | SF          | 200                 | \$15.00            | \$3,000.00            | Yes                 | \$2,829.00  | \$171.00           |                               |
|   |  |   | Asphaltic Concrete                  | Ton         | 0                   | \$0.00             | \$0.00                | Yes                 | \$0.00  | \$0.00             |                               |
|   |  |   | Polymer or Resin Stabilized Surface | SF          | 0                   | \$0.00             | \$0.00                | Yes                 | \$0.00  | \$0.00             |                               |
|   |  | Crosswalk Enhancement   | Concrete Pavers                     | SF          | 200                 | \$20.00            | \$4,000.00            | Yes                 | \$3,772.00  | \$228.00           |                               |
|   |  |   | Stamped Asphalt                     | SF          | 0                   | \$0.00             | \$0.00                | Yes                 | \$0.00  | \$0.00             |                               |
|   |  |   | Stamped Concrete                    | SF          | 100                 | \$15.00            | \$1,500.00            | Yes                 | \$1,414.50  | \$85.50            |                               |
|   |  |   | Concrete                            | SF          | 350                 | \$8.00             | \$2,800.00            | Yes                 | \$2,640.40  | \$159.60           |                               |
|   |  |   | Integral Color Concrete             | SF          | 800                 | \$18.00            | \$14,400.00           | Yes                 | \$13,579.20   | \$820.80           |                               |
|   |  | Pedestrian ADA Ramp   |                                     | SF          | 4,250               | \$12.00            | \$51,000.00           | Yes                 | \$48,093.00   | \$2,907.00         |                               |
|   |  | Culvert Extensions  |                                     | LF          | 0                   | \$0.00             | \$0.00                | Yes                 | \$0.00  | \$0.00             | No washes, no drainage issues |
|   |  | Pedestrian Lighting Including Conduit And Trenching               |                                     | Each        | 45                  | \$2,800.00         | \$126,000.00          | Yes                 | \$118,818.00  | \$7,182.00         |                               |
|   |  | Handrail  | Standard                            | LF          | 100                 | \$30.00            | \$3,000.00            | Yes                 | \$2,829.00  | \$171.00           |                               |
|   |  |   | Decorative                          | LF          | 0                   | \$0.00             | \$0.00                | Yes                 | \$0.00  | \$0.00             |                               |
|   |  | <b>Subtotal Hardscape Construction</b>                            |                                     |             |                     |                    | <b>\$545,650.00</b>   |                     | <b>\$514,547.95</b>   | <b>\$31,102.05</b> |                               |

**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.

| City of Avondale   |   | Dysart Road-Van Buren to MC85 Pedestrian and Bicycle Improvements                       |                    |             | 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<br>[For Non-Infrastructure Projects (No Ground Disturbing Activities),<br>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              | \$5,000.00         | \$5,000.00            | Yes                | \$4,715.00  | \$285.00                                 |            |  |
|  |   | Trees (15 Gallon Size)  |                    | Each        | 180            | \$150.00           | \$27,000.00           | Yes                | \$25,461.00 | \$1,539.00                               |            |  |
|  |   | Trees (5 Gallon Size)   |                    | Each        | 80             | \$50.00            | \$4,000.00            | Yes                | \$3,772.00  | \$228.00                                 |            |  |
|  |   | Shrubs (5 Gallon Size)  |                    | Each        | 450            | \$25.00            | \$11,250.00           | Yes                | \$10,608.75 | \$641.25                                 |            |  |
|  |   | Shrubs (1 Gallon Size)  |                    | Each        | 300            | \$10.00            | \$3,000.00            | Yes                | \$2,829.00  | \$171.00                                 |            |  |
|  |   | Cactus (5 Gallon Size)  |                    | Each        | 5              | \$200.00           | \$1,000.00            | Yes                | \$943.00    | \$57.00                                  |            |  |
|  |   | Mulch   | Decomposed Granite |             | CY             | 1,100              | \$40.00               | \$44,000.00        | Yes         | \$41,492.00                              | \$2,508.00 |  |
|  |   |   | Organic            |             | CY             | 0                  | \$0.00                | \$0.00             | Yes         | \$0.00                                   | \$0.00     |  |
|  |   | Topsoil   |                    | CY          | 5,000          | \$3.00             | \$15,000.00           | Yes                | \$14,145.00 | \$855.00                                 |            |  |
|  |   | Seeding   |                    | Acre        | 0              | \$0.00             | \$0.00                | Yes                | \$0.00      | \$0.00                                   |            |  |
|  |   | Turf Sod  |                    | SY          | 0              | \$0.00             | \$0.00                | Yes                | \$0.00      | \$0.00                                   |            |  |
|  |   | Boulders  |                    | Each        | 10             | \$1,000.00         | \$10,000.00           | Yes                | \$9,430.00  | \$570.00                                 |            |  |
|  |   | Irrigation System   | Drip               |             | SF             | 37,000             | \$1.00                | \$37,000.00        | Yes         | \$34,891.00                              | \$2,109.00 |  |
|  |   |   | Turf               |             | SF             | 0                  | \$0.00                | \$0.00             | Yes         | \$0.00                                   | \$0.00     |  |
|  |   | Sleeving For Irrigation System  | Directional Bore   |             | LF             | 500                | \$40.00               | \$20,000.00        | Yes         | \$18,860.00                              | \$1,140.00 | City has provided for irrigation sleeves |
|  | Cut and Patch   |   | LF                 | 0           | \$0.00         | \$0.00             | Yes                   | \$0.00             | \$0.00      | City has provided for irrigation sleeves |            |  |
|  | Landscape Header Curb   |   | LF                 | 200         | \$20.00        | \$4,000.00         | Yes                   | \$3,772.00         | \$228.00    |  |            |  |
|  | Landscape Establishment   |   | LS                 | 1           | \$5,000.00     | \$5,000.00         | Yes                   | \$4,715.00         | \$285.00    |  |            |  |
|  | Subtotal Landscaping & Irrigation Items   |   |                    |             |                | \$186,250.00       |                       | \$175,633.75       | \$10,616.25 |  |            |  |
|  | 3. Site Furnishings   | Benches   |                    | Each        | 8              | \$2,000.00         | \$16,000.00           | Yes                | \$15,088.00 | \$912.00                                 |            |  |
|  |   | Seatwalls   |                    | LF          | 200            | \$50.00            | \$10,000.00           | Yes                | \$9,430.00  | \$570.00                                 |            |  |
|  |   | Bike Racks  |                    | Each        | 0              | \$800.00           | \$0.00                | Yes                | \$0.00      | \$0.00                                   |            |  |
|  |   | Trash Receptacles   |                    | Each        | 4              | \$500.00           | \$2,000.00            | Yes                | \$1,886.00  | \$114.00                                 |            |  |
|  |   | Drinking Fountains  |                    | Each        | 0              | \$1,000.00         | \$0.00                | Yes                | \$0.00      | \$0.00                                   |            |  |
|  |   | Signage (Standard Traffic Control)  |                    | Each        | 10             | \$100.00           | \$1,000.00            | Yes                | \$943.00    | \$57.00                                  |            |  |
|  |   | Signage (Wayfinding)  |                    | Each        | 6              | \$100.00           | \$600.00              | Yes                | \$565.80    | \$34.20                                  |            |  |
|  |   | Tree Grates   |                    | Each        | 8              | \$1,500.00         | \$12,000.00           | Yes                | \$11,316.00 | \$684.00                                 |            |  |
|  |   | Subtotal Site Furnishings   |                    |             |                |                    | \$29,600.00           |                    | \$27,912.80 | \$1,687.20                               |            |  |
|  | 4. Other Construction Items. Also, Itemized Line<br>Items For Non-Infrastructure Projects.<br>(Insert Additional Rows If Necessary) | Bicycle and Pedestrian Counter  |                    | Each        | 1              | \$10,000.00        | \$10,000.00           | Yes                | \$9,430.00  | \$570.00                                 |            |  |
|  |   | Bus Stops   |                    | Each        | 4              | \$8,000.00         | \$32,000.00           | Yes                | \$30,176.00 | \$1,824.00                               |            |  |
|  |   | Shade Structures  |                    | Each        | 2              | \$5,000.00         | \$10,000.00           | Yes                | \$9,430.00  | \$570.00                                 |            |  |
|  |   | Countdown Pedestrian Signals  |                    | Each        | 2              | \$1,500.00         | \$3,000.00            | Yes                | \$2,829.00  | \$171.00                                 |            |  |
|  |   |   |                    |             | 0              | \$0.00             | \$0.00                | Yes                | \$0.00      | \$0.00                                   |            |  |
|  | Subtotal Other Construction   |   |                    |             |                | \$55,000.00        |                       | \$51,865.00        | \$3,135.00  |  |            |  |
|  | 5. Mobilization And Administration Costs  | Contractor Mobilization   |                    | LS          | 1              | \$50,000.00        | \$50,000.00           | No                 | \$0.00      | \$50,000.00                              |            |  |
| Traffic Control  |   | LS  | 1                  | \$30,000.00 | \$30,000.00    | Yes                | \$28,290.00           | \$1,710.00         |             |  |            |  |
| Construction Survey & Layout   |   | LS  | 1                  | \$5,000.00  | \$5,000.00     | Yes                | \$4,715.00            | \$285.00           |             |  |            |  |
| Construction Contingencies   |   | LS  | 1                  | \$20,000.00 | \$20,000.00    | Yes                | \$18,860.00           | \$1,140.00         |             |  |            |  |
| Construction Administration  |   | LS  | 1                  | \$20,000.00 | \$20,000.00    | Yes                | \$18,860.00           | \$1,140.00         |             |  |            |  |
| Subtotal Mobilization & Administration Costs   |   |   |                    |             | \$125,000.00   |                    | \$70,725.00           | \$54,275.00        |             |  |            |  |
| Subtotal Construction Or Implementation Cost (Part E)  |   |   |                    |             | \$941,500.00   |                    | \$840,684.50          | \$100,815.50       |             |  |            |  |
| F. Total Scoping, PE, Right-of-Way Acquisition, Utility Relocation, and Construction (Part A, B, C, D, and E)                    |   |   |                    |             | \$1,086,500.00 |                    | \$840,684.50          | \$245,815.50       |             |  |            |  |
| G. Adot Fee For Pe Reviews And Staff Charges (The higher of \$20,000 or 2% of Total Cost (Part F))                               |   |   |                    |             | \$21,730.00    | No                 | \$0.00                | \$21,730.00        |             |  |            |  |
| H. Total Project Cost Including ADOT Fees (Part F + Part G)  |   |   |                    |             | \$1,108,230.00 |                    | \$840,684.50          | \$267,545.50       |             |  |            |  |

Avondale: Dysart Road Bicycle and Pedestrian Improvements

**PART E - TOTAL PROJECT SCHEDULE AND BUDGET INCLUDING ALL SEGMENTS**

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 23-26 in Part B.

| Cost Estimate for the Project Including ALL Segments               | Cost        | Additional Notes (if needed)  |            |               |             |
|--|-------------|---|------------|---------------|-------------|
| 1. ADOT Fee  | \$21,730    |   |            |               |             |
| 2. Design  | \$145,000   | The City has 60% Roadway Plans that illustrates existing roadway and rights-of-way, curb line, roadway configuration, existing features. The CADD files can be shared and used by ADOT's consultant. This will reduce design fee and time. In addition, the City acquired extensive survey topography as part of the 12kv undergrounding, that can also be shared, again, reducing design time and fee. |            |               |             |
| 3. Right of way  | \$0         |   |            |               |             |
| 4. Utilities   | \$0         | No utility conflicts, refer to 60% Roadway/12kv Undergrounding Plans  |            |               |             |
| 5. Construction  | \$941,500   |   |            |               |             |
| 6. Total Cost  | \$1,108,230 |   |            |               |             |
| 7. Will the agency maintain the improvement after it is completed? |             | <input type="text" value="Yes"/>  |            |               |             |
| 8. Expected Annual Maintenance Cost                                |             | <input type="text" value="6,000"/>  |            |               |             |
| 9. Identify Source of Maintenance Funds                            |             | <input type="text" value="General Funds, HURF Funds for signals and lighting"/>   |            |               |             |
| Requested MAG Programming  | Year        | Local Funding Source  | Local Cost | Federal Cost  | Total Cost  |
| 10. Design   | 2014        | General Fund  | \$145,000  | Not Available | \$145,000   |
| 11. ADOT Fee   | 2014        | General Fund  | \$21,730   | Not Available | \$21,730    |
| 12. Right of way and Utilities                                     |             |   | \$0        | Not Available | \$0         |
| 13. Construction   | 2015        | General Fund  | \$100,816  | \$840,685     | \$941,500   |
| 14. Total Costs  |             |   | \$267,546  | \$840,685     | \$1,108,230 |

| PART F - SIGNATURE AND CHECKLIST   |                  |
|--|------------------|
| <h2>Checklist</h2>   |                  |
| This checklist is included to facilitate applicant review and verification that all required fields in the form have been completed. |                  |
| <b>COVER SHEET</b>   | <b>Complete?</b> |
| Cover Sheet is completely filled out   | Yes              |
| <b>PART A - Contacts and Project Description Fields</b>  | <b>Complete?</b> |
| Contact Information, fields 1 – 5 are complete   | Yes              |
| Project Description, fields 6 - 8 are complete   | Yes              |
| Safe Routes to School, fields 9-12 are complete (if applicable)  |                  |
| <b>PART B - Project Description</b>  | <b>Complete?</b> |
| Fields 1 - 11 (Project Description) are complete   |                  |
| Fields 12– 14 (Transit and Access) are complete  | Yes              |
| Fields 15 – 19 (Attractors and Demographics) are complete  | Yes              |
| Fields 20 – 26 (Traffic, Environmental, ROW, and Utilities) are complete   | Yes              |
| Fields 27 – 29 (Guidelines, Policies, and Plans) are complete  | Yes              |
| Fields 30 – 33 (Maintenance and Performance Measurement) are complete  | Yes              |
| <b>PART C - Required Attachments</b>   | <b>Complete?</b> |
| Field 1 - Project map is provided in the printed application and the PDF application   | Yes              |
| Field 2 - Up to 4 photos of existing conditions are provided in the printed application and the PDF application (two 4x6 per page).  | Yes              |
| Field 3 - Cross-section(s) provided in the printed application and the PDF application.  | Yes              |
| (OPTIONAL)- Up to 2 photos/renderings of the completed project are provided in the printed application and the PDF application.      | Yes              |
| (OPTIONAL) - Crash report(s) are provided in the printed application and the PDF application   | Yes              |
| (OPTIONAL) - GIS coverage (shapefile or geodatabase) is provided on the CD with the application.                                     |                  |
| <b>PART D - Cost Estimate Worksheet</b>  | <b>Complete?</b> |
| Sponsoring Agency, Project Title, and Application Date are complete  | Yes              |
| Part A - Scoping is complete   | Yes              |
| Part B - Final Preliminary Engineering Design is complete  | Yes              |
| Part C - Right-of-Way Acquisition is complete  | Yes              |
| Part D - Utility Relocation is complete  | Yes              |
| Part E - Construction or Implementation is complete  | Yes              |
| Parts F, G, and H - Costs are complete and accurate  | Yes              |
| <b>PART E - Total Project Schedule and Budget Including All Segment Fields</b>   | <b>Complete?</b> |
| Fields 1 – 6 are complete and costs are accurate   | Yes              |
| Field 7 - 9 are complete   | Yes              |
| Fields 10 – 13 Years are complete  | Yes              |
| Fields 10 – 13 Local Funding Sources are complete  | Yes              |
| Fields 10 – 13 Local Costs are complete and accurate   | Yes              |
| Field 10 - 13 Federal Costs are complete and accurate  | Yes              |
| Field 14 Total Costs are complete and accurate   | Yes              |
| <b>PART F - Signature and Checklist</b>  | <b>Complete?</b> |
| Entire checklist is completed.   | Yes              |
| Form is signed by MAG member agency's manager/administrator or designated representative.  | Yes              |
| Name, title and date fields under the signature are completed.   | Yes              |
| (SAFE ROUTES TO SCHOOL PROJECTS ONLY) - Additional signatures and related name, date, and title are completed.                       |                  |

## 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.

|            |   |
|------------|---|
| Signature: |  |
| Name:      | Charles W. Andrews, P.E.  |
| Title:     | City Engineer   |
| Date:      | 10/21/2013  |

### Complete the following ONLY if this is a Safe Routes to School Project.

Note: All signatures indicate an agreement in principle and a partnership on this project between the applicant and the signing organization. Although not all signatures are required, applications that include more signatures will be ranked higher

**School/Site Official (required):**  
(Principal, assistant principal, teacher-in-charge, PE Teacher, SRTS coordinator)

|            |  |
|------------|--|
| Signature: |  |
| Name:      |  |
| Title:     |  |
| Date:      |  |

**School District official (required):**

|            |  |
|------------|--|
| Signature: |  |
| Name:      |  |
| Title:     |  |
| Date:      |  |

**Law Enforcement Official (required):**

|            |  |
|------------|--|
| Signature: |  |
| Name:      |  |
| Title:     |  |
| Date:      |  |