



CITY OF APACHE JUNCTION

# Active Transportation Plan

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## Vision

*Apache Junction is a diverse community of natural beauty and heritage that offers prosperity, compassion, and forward thinking to its residents, businesses and visitors.*

## Mission

*We will focus on and invest in quality of life and planned improvements for serving residents, businesses and visitors.*

ACTIVE TRANSPORTATION

CITY OF APACHE JUNCTION

Active Transportation Plan



CITY OF APACHE JUNCTION

# Active Transportation Plan

## National Trends in Active Transportation

### Mode Share

Nationally, the number of people who commute by **walking and bicycling** remained **steady 2007-2016**

The percentage of **children walking** to school **increased** 2007-2013; however significantly less than 1960s

### Equity

Low- and moderate-income households spend a **higher percentage of income** on transportation

Communities of color, low-income, children, seniors, and rural communities experience a **greater rate of fatal** pedestrian/bicyclist **collisions**

### Safety

Pedestrian/bicycle **fatalities increased** since 2009,

Pedestrian/bicycle **deaths comprise 16.3%** of all motor vehicle related fatalities in 2012

**Reduced speeds, infrastructure** improvements, public **education** and targeted **enforcement** lead to safer environment for walking and biking

### Equestrians

Nationally **1.7 million jobs** connected to the horse industry

Equestrian organizations across the country support growing **tourism industry** and **protection of natural** landscapes

**177,000+ horses in Arizona**, contributing to a strong element of the Arizona **economy**

US Department of Commerce 2016 report, the outdoor **recreation industry grew faster** than the overall economy in the previous year, including equestrian use

TRENDS

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**18 total Public/Stakeholder Outreach Events** have been held to date, with 5 additional remaining

## Public Outreach

392 Survey responses  
48 Online Feedback Map responses  
200+ Lost Dutchman Marathon Health/Fitness Expo  
500 + Lost Dutchman Days Rodeo  
50+ participants Walking Event  
12 participants Biking Event  
6 participants Equestrian Trail Ride  
2 Community Open House Events

### Public Participants

Thank you to the 3,600+ people who participated in this planning process through public comment forms, the online input map, interviews and meetings. Thanks also to the many individuals of the press and those engaged in social media throughout the process.

## Upcoming Outreach

**Planning/Zoning and Parks Commissions,**  
October 9, 2018

**City Council Work Session,** October 15, 2018

**Festival of the Superstitions, Outreach Booth,**  
November 10 2018

**Community Meeting #3 Open House,** November 14, 2018

**Planning/Zoning and Parks Commissions,**  
Final Plan presentation/approval January 8, 2019

**City Council Work Session,**  
DRAFT Plan presentation/approval January 15, 2019

PUBLIC ENGAGEMENT

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Active Transportation Plan



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**Stakeholders:** Three advisory committees

City of Apache Junction **Technical Advisory Committee (TAC)** Public Works, Development Services, Police, Economic Development, Parks and Recreation, Communication, and GIS

**Citizen's Advisory Committee (CAC)** Key agencies and advocacy groups for bicycle, pedestrian, and equestrian users

**Agency Team Committee** Arizona Department of Transportation (ADOT), Maricopa County Department of Transportation (MCDOT), Maricopa County Department of Health, Pinal County Department of Health, City of Mesa, Town of Queen Creek, Maricopa Association of Governments (MAG), Maricopa County Flood Control District (FCDMC), State Land, Lost Dutchman State Park, and the Tonto National Forest

## Stakeholder Outreach

4 TAC Meetings

3 CAC Meetings

2 Agency Team Meetings

Engineering/Public Works/Planning Review Meeting

Downtown Advisory Committee Meeting

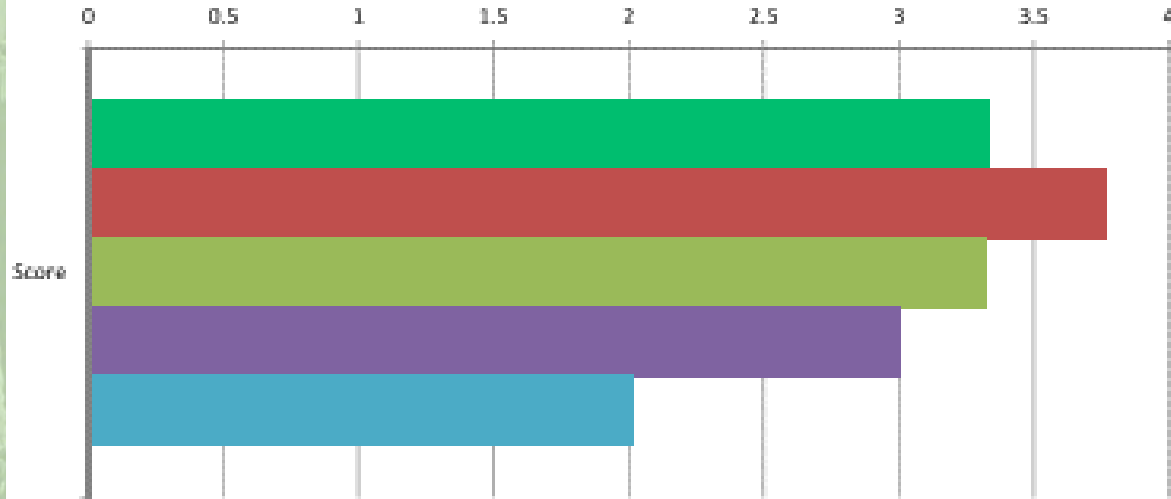
PUBLIC ENGAGEMENT

CITY OF APACHE JUNCTION

Active Transportation Plan

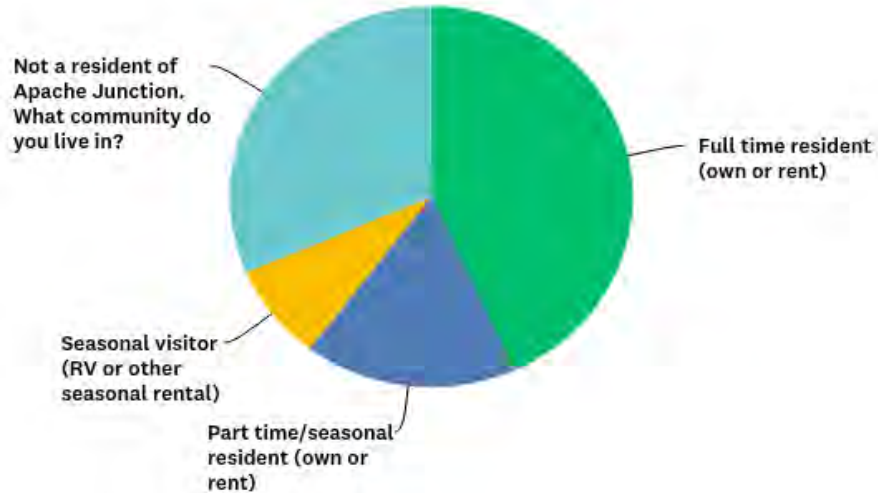


## What Active Transportation Facility is most important?

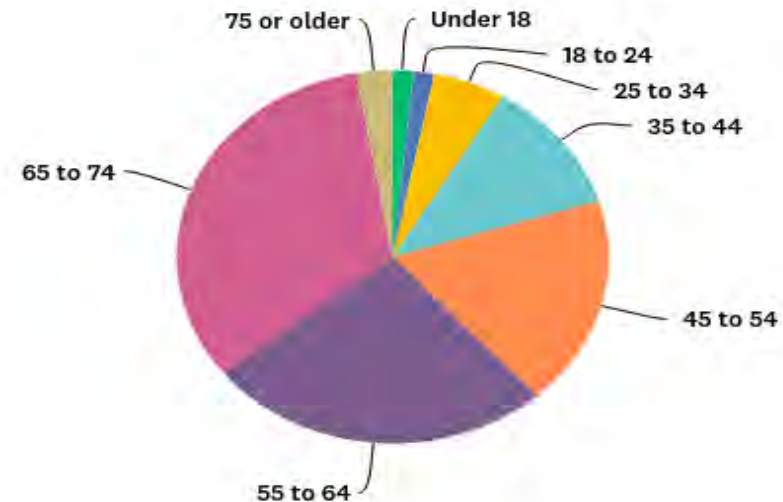


- Sidewalks
- Trails
- Shared Use Paths
- Bike Lanes
- Bike Routes

## Where do you live?



## What is your age?





CITY OF APACHE JUNCTION

# Active Transportation Plan

## General Feedback

**Connectivity** to destinations and recreational opportunities within and outside of city

**Limited existing infrastructure**, exposure to motor vehicle traffic, and unsafe crossings were listed as common barriers to use of active transportation.

Preference for **separated facilities**; bikeways, trails, pathways, and sidewalks.

Identified to **increase active transportation** use:

- Increased connectivity** (65% of respondents)

- Safer bike facilities** (50% of respondents)

- Increase pedestrian safety** (40%)

Network **gaps are prevalent** where existing facilities meet private property.

**Lighting and streetscape** improvements are **desired**

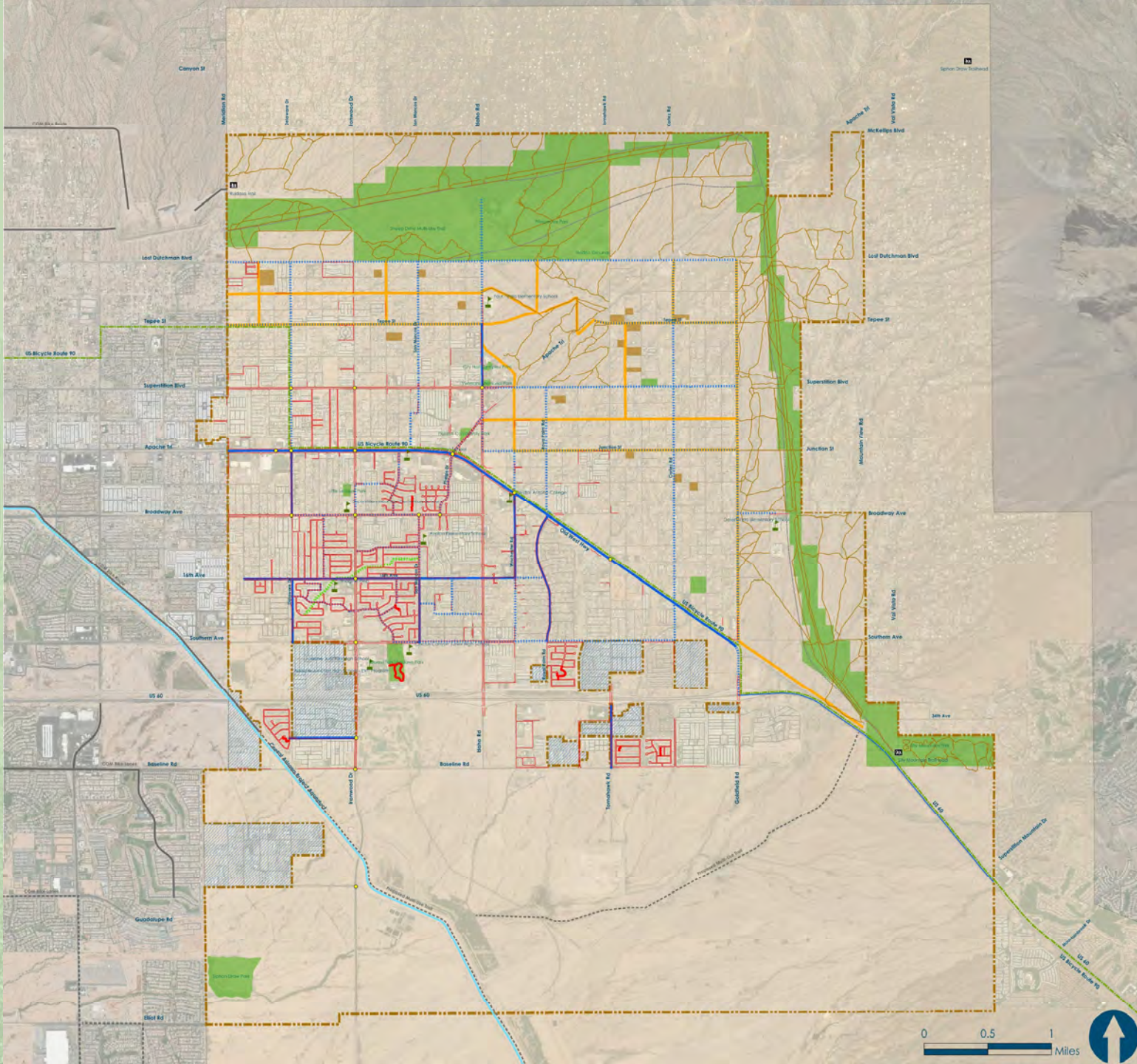
Improved **wayfinding** signage is **needed**

## KEY FINDINGS

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Active Transportation Plan





### Legend

- City Limits
- Pinal County Island
- Municipal Planning Area
- Parks / Open Space
- Equestrian Facilities
- Schools
- Traffic Signal
- Existing Roadways
- Existing Sidewalks
- Bike Lane
- Bike Route
- Bike Other
- Multi-Use Path - Paved
- Multi-Use Path
- Multi-Use Trail
- Recreational Trail
- Equestrian Trails

TYPE	LENGTH (MILES)
Detached Sidewalk/Sidewalk and Curb	108.4
Bike Lanes	11.3
Bike Routes (along arterial or collector roadways)	43
Multi-Use Path (within parks and developments)	0.9
Unpaved recreational trails	85.8
Multi-Use Unpaved Trails	1.1
Equestrian Trails	18.6

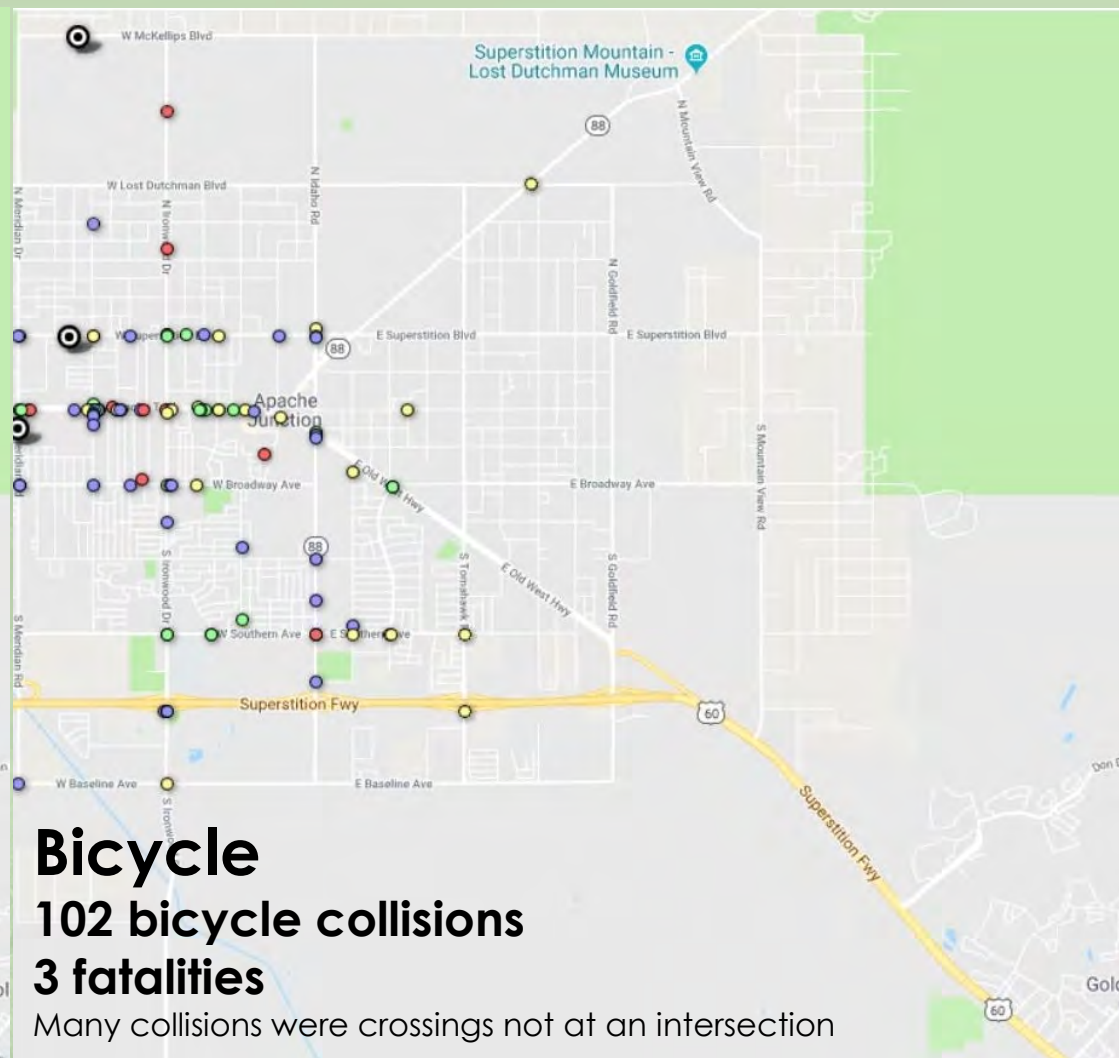
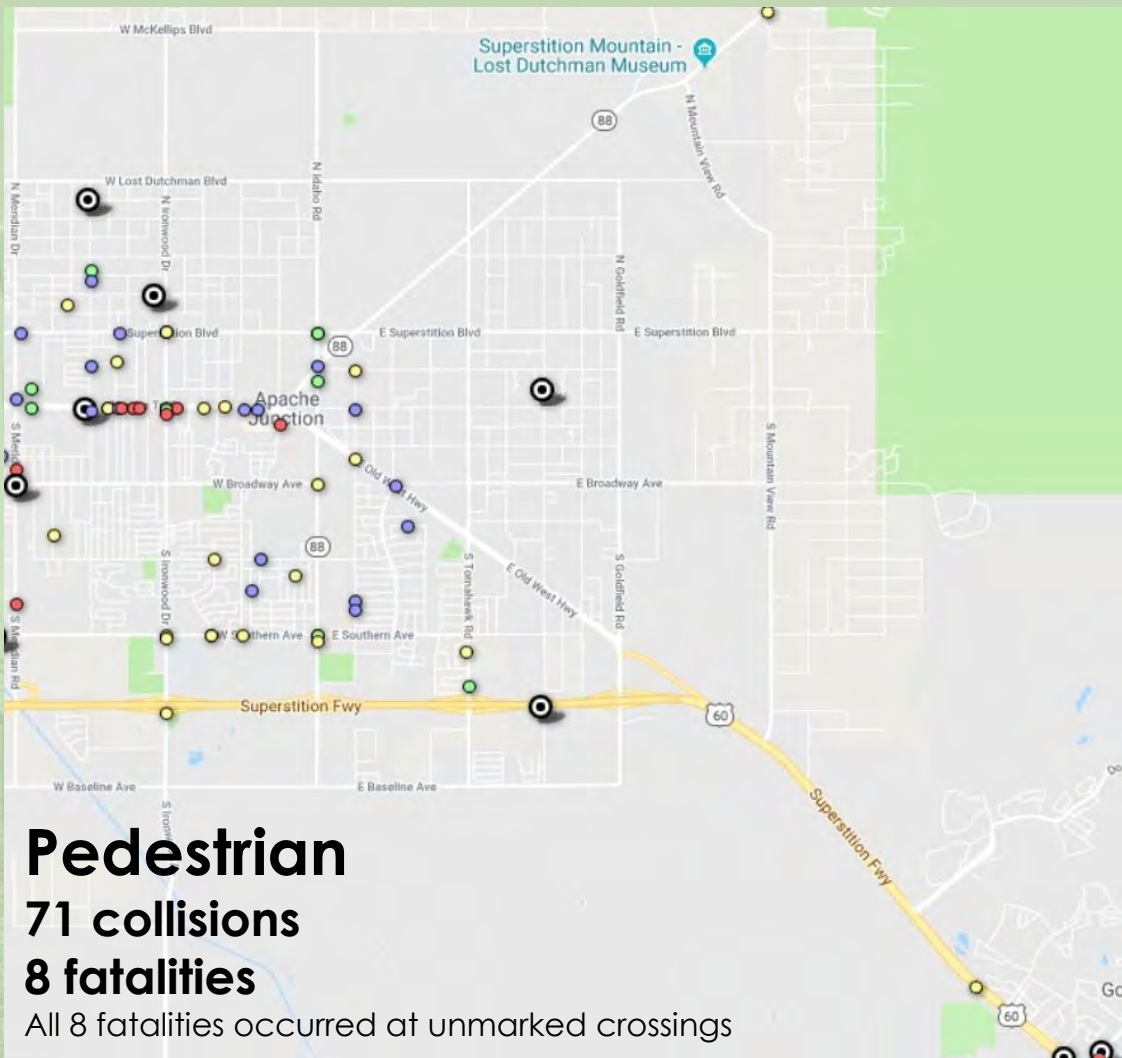


# EXISTING CONDITIONS

## CITY OF APACHE JUNCTION

### Active Transportation Plan





**SAFETY**

CITY OF APACHE JUNCTION

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Most collisions occurred during daylight hours

Most collisions were on arterial streets, particularly Apache Trail/Old West Highway and Southern Avenue

Collisions and fatalities from 2009-2016



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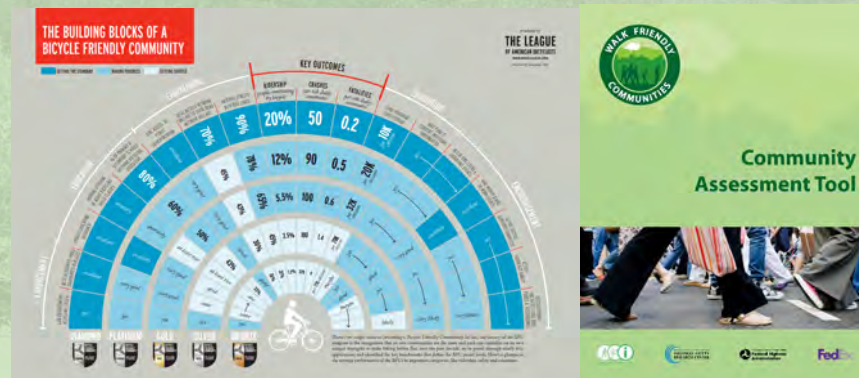
# Active Transportation Plan

## Guiding Principles

### 6 Es

- Education
- Enforcement
- Encouragement
- Engineering
- Evaluation
- Equity

## Bicycle and Walk Friendly Community



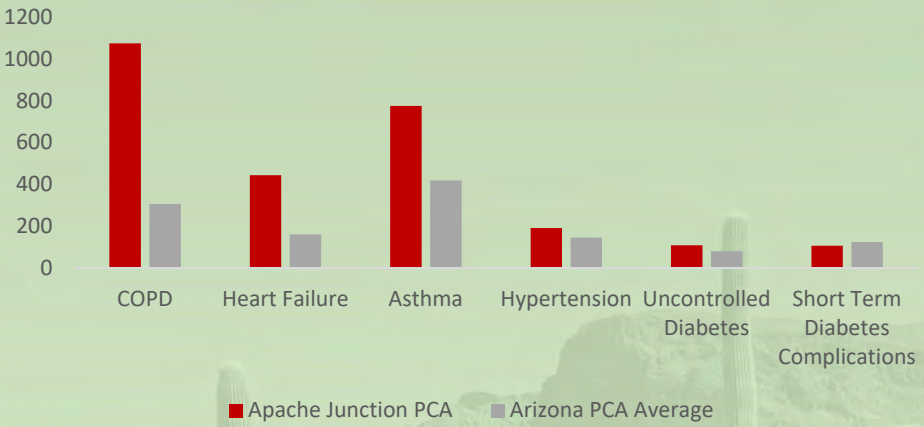
GUIDING PRINCIPLES

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Prevalence of Health Indicators  
(per 100,000 adults)



Communities designed to **promote safe and connected active transportation** and **recreational opportunities** have greater levels of resident physical activity and consequently, are associated with **improved physical, mental, and socioeconomic health.**

Investments in **active transportation** can help residents **reach basic services, travel to work, and access healthy food options**, while providing additional opportunities for increased physical activity.

Prevalence of Equity Indicators



**Apache Junction** has the **fifth highest chronic disease prevalence in the state**, with nearly double the number of residents in the city suffering from chronic disease as compared to the state. Specifically, prevalence of chronic obstructive pulmonary disease, congestive heart failure, and adult asthma rank in the top 10% of the state.



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# Active Transportation Plan

# WINTER NO

## Connectivity

Provide a **fully connected Active Transportation network** Connect destinations: Schools, Parks, Shopping, Dining, Work and Landmarks

Phased **priority-based implementation** program

Connect to: Adjacent communities

Make **walking and biking viable** transportation

## Safety

Decrease and strive for **zero crashes**

Provide **safety education**

Provide **separation buffers**

Provide defined **roadway crossings**

Minimize roadway **crossing distances**

**Reduce speeds** of motor vehicles in conflict/adjacency

## Health

Provide **healthy** transportation **options**

**Encourage** walking and biking

## Capacity

**Increase capacity**

**Match** the roadway size to the **use demand**

## Experience

Create **signature destinations**: "Legends Loop" Trail, Old Apache Trail, Name Open Space, Trails(trailheads)/Paths, Routes

Keep/enhance **Native Desert Character**

Keep **rural character**

Provide landscape **buffer** areas

Create Apache Junction Walks – Bikes – Rides **iconic brand**

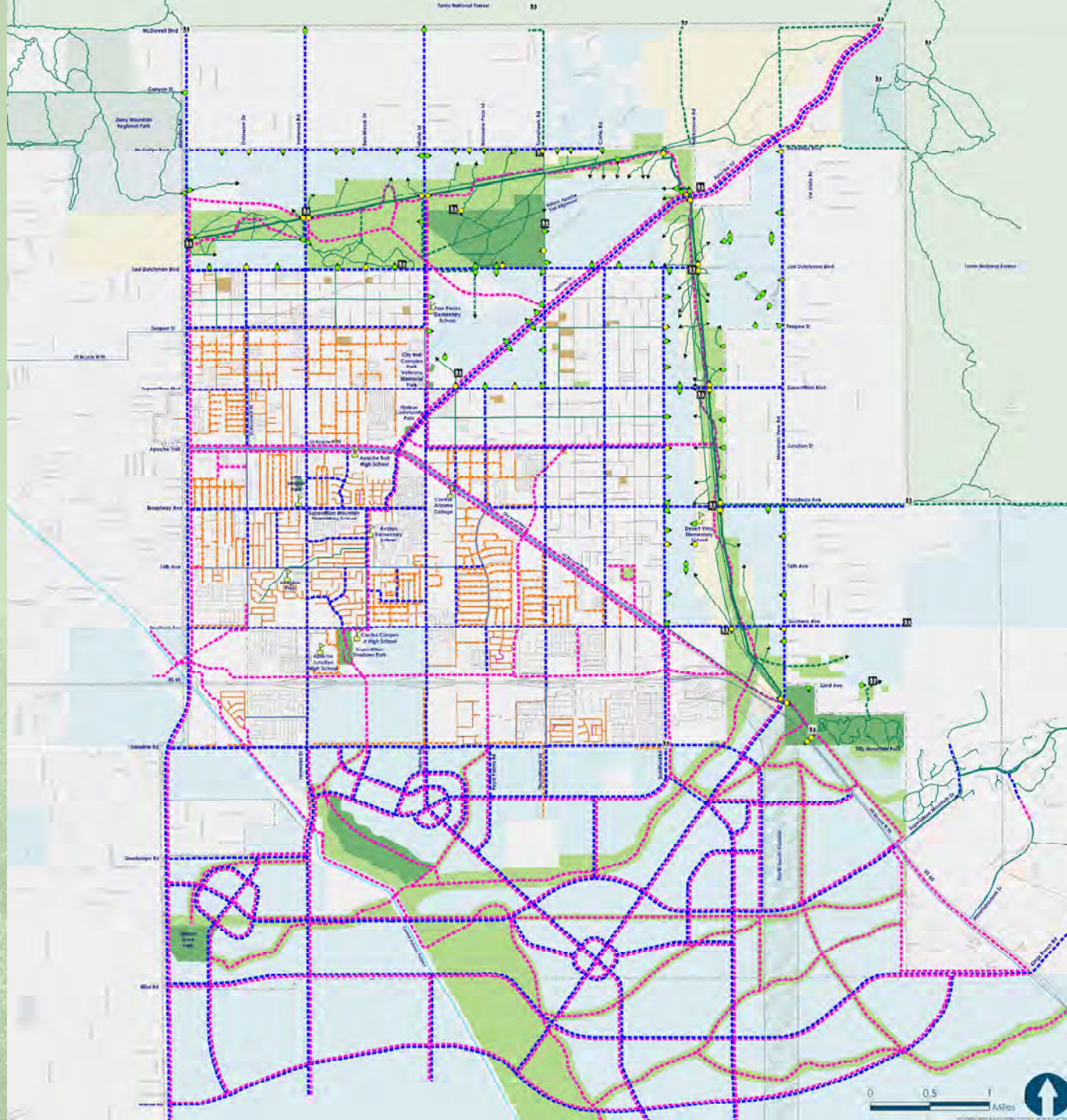
Make Apache Junction the **best active transportation community** in the valley

# GOALS

CITY OF APACHE JUNCTION

# Active Transportation Plan





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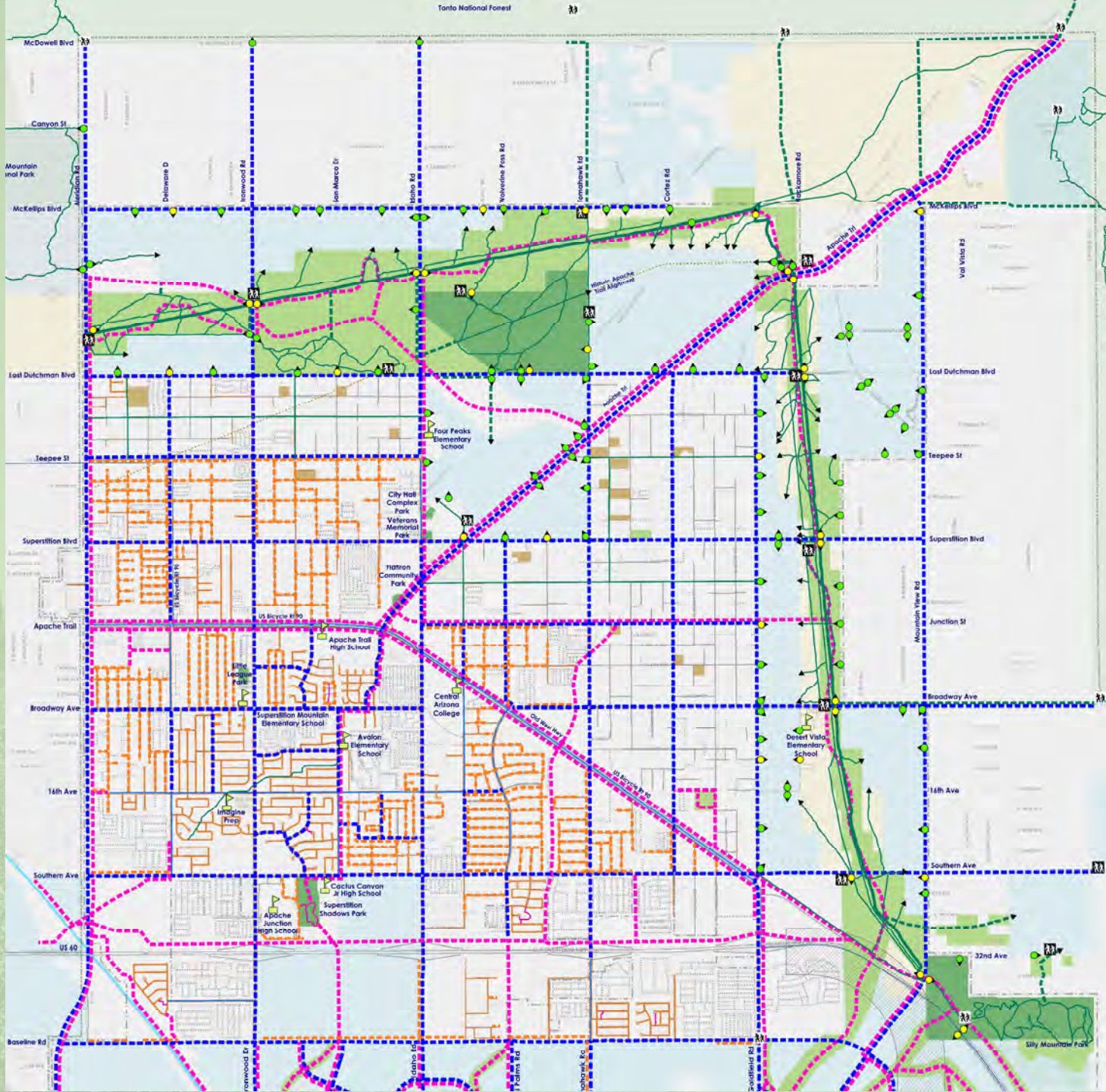


# ACTIVE TRANS. MAP

## CITY OF APACHE JUNCTION

### Active Transportation Plan





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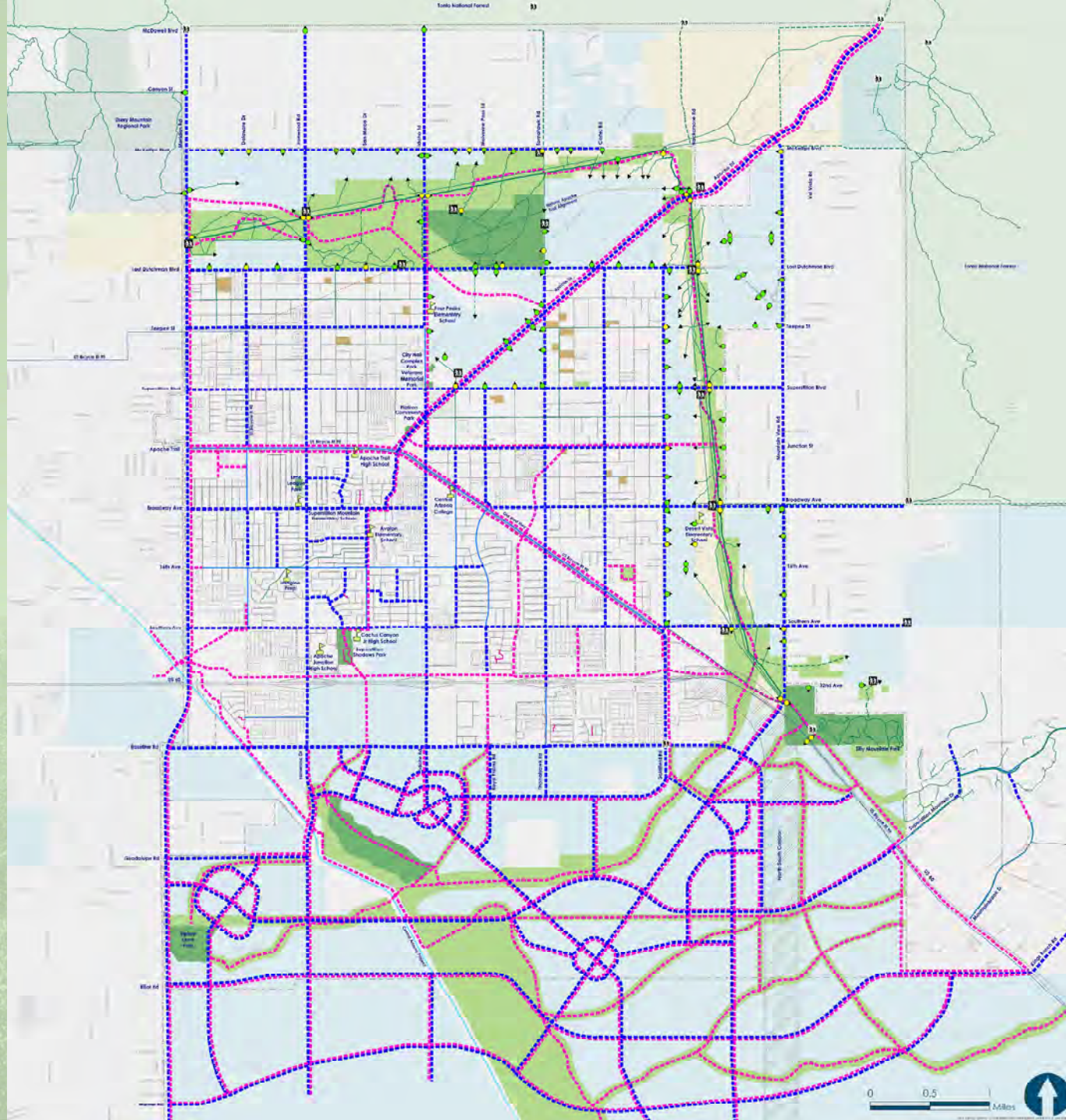


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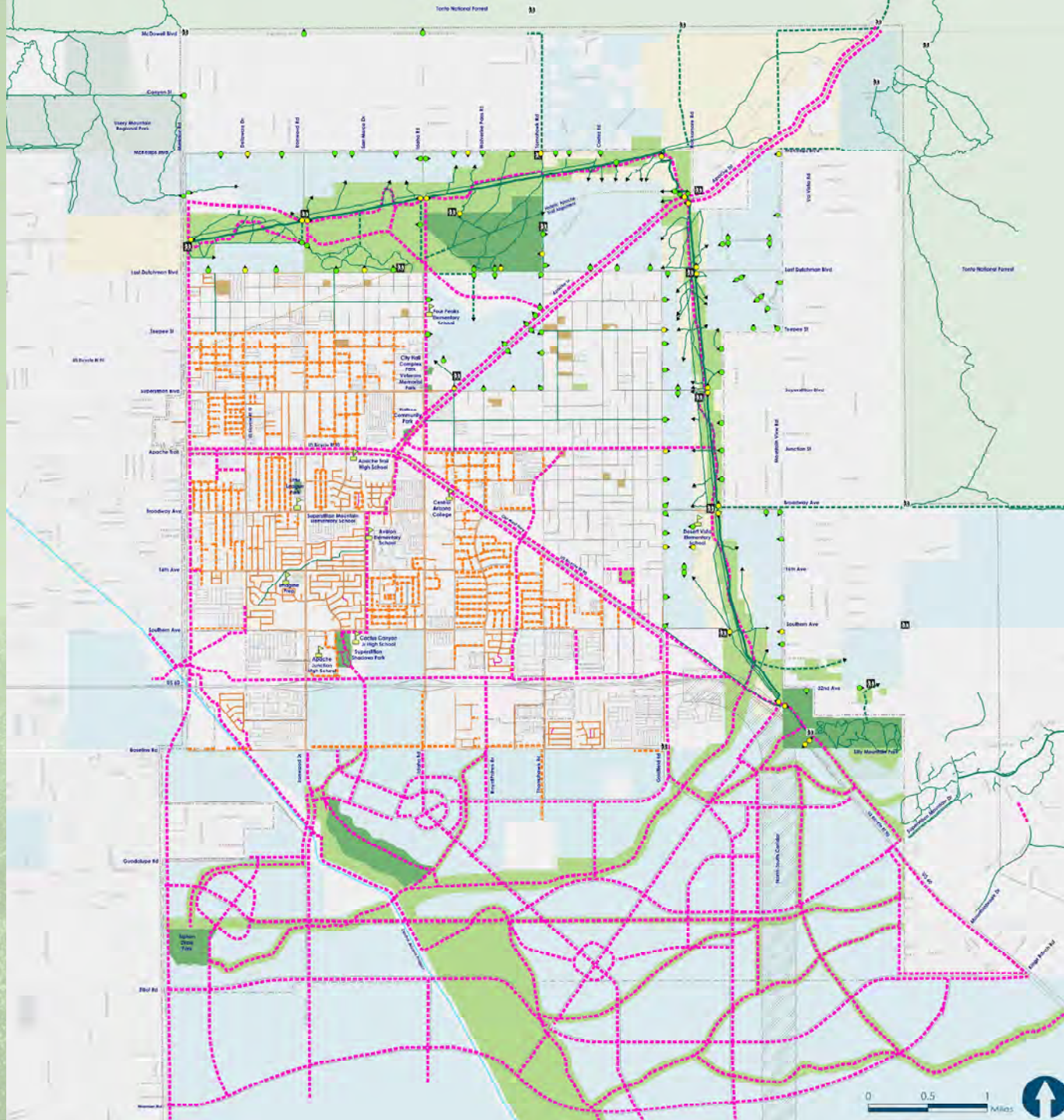


# BICYCLE MAP

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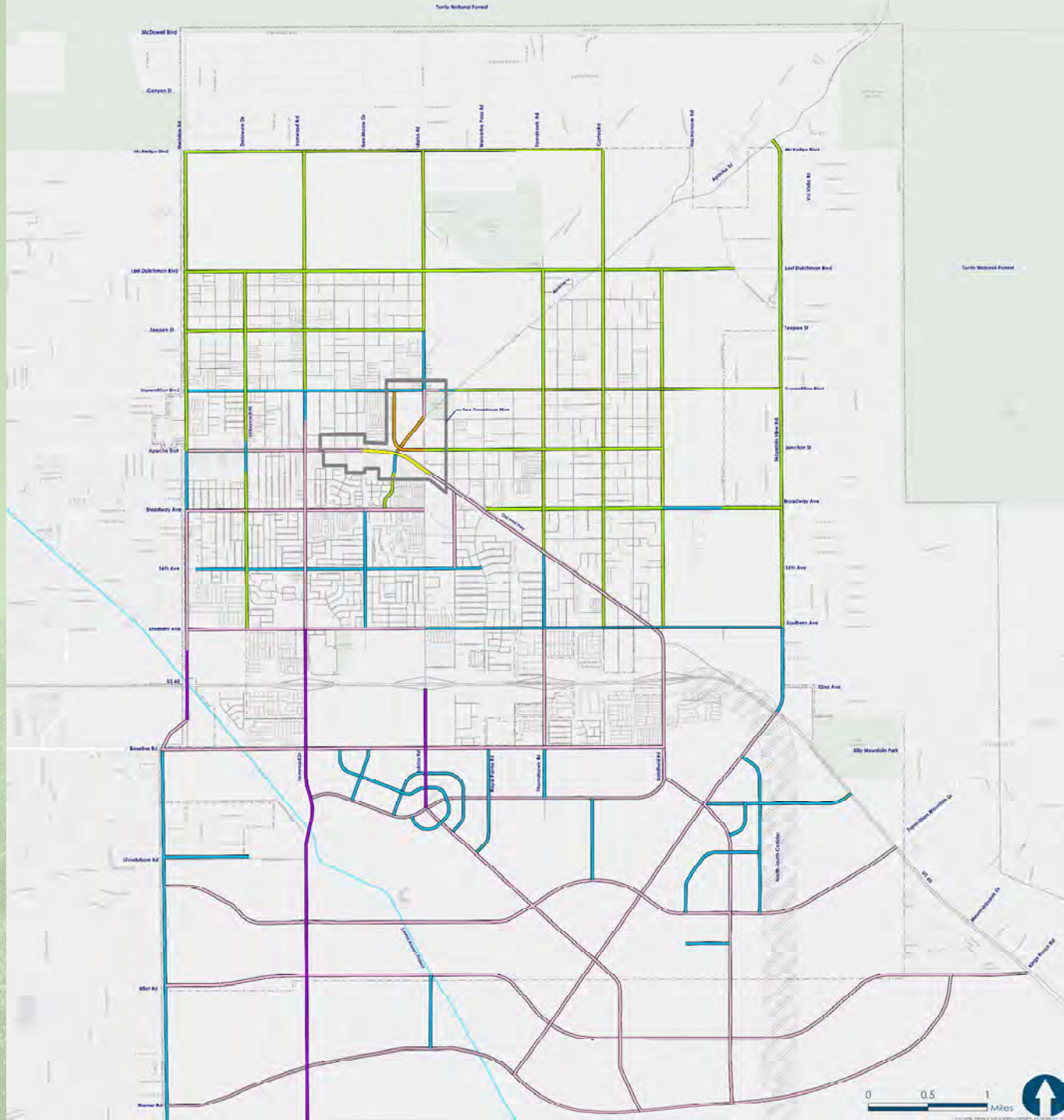


# PEDESTRIAN MAP

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## Active Transportation Plan





## Legend

- 2 Lanes - Local Streets
- 2 Lanes - Arterial/Collector
- 2 Lanes plus Two Way Left Turn Lane
- 2 Lanes - Main Street
- 4 Lanes plus Turn Lanes
- 6 Lanes plus Turn Lanes
- Multi-Lane Blvd
- Downtown Boundary

- City Limits
- Municipal Planning Area



Vicinity Map



0 0.5 1 Miles

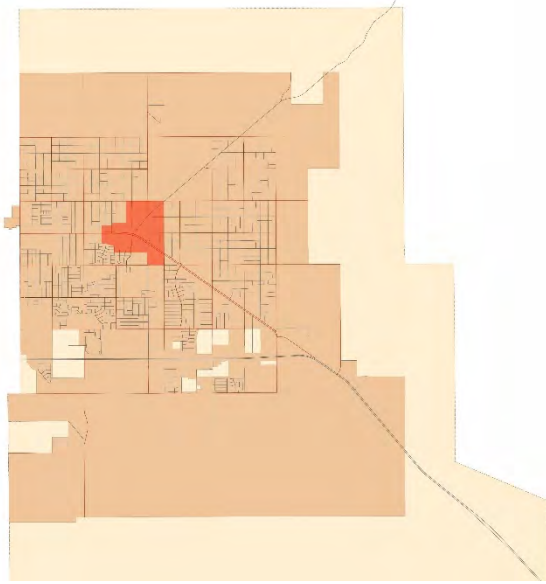


# STREET CLASS. MAP

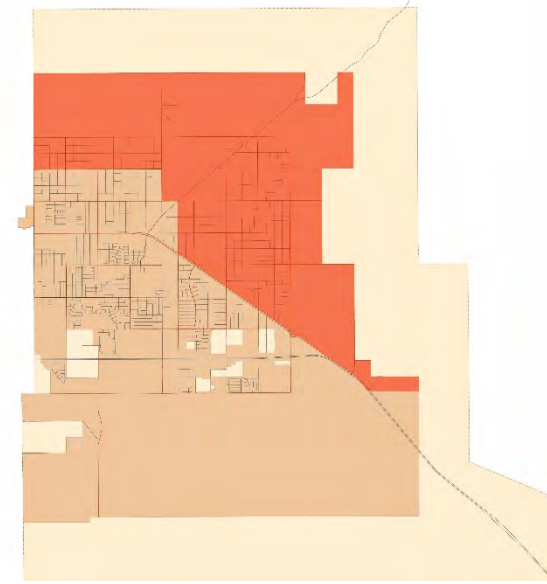
## CITY OF APACHE JUNCTION

### Active Transportation Plan

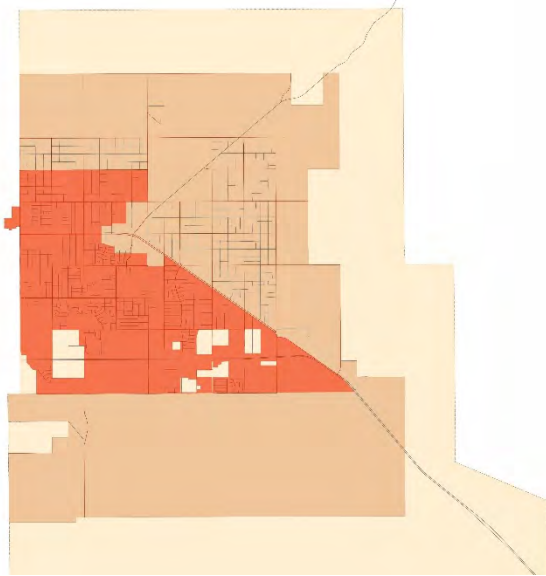




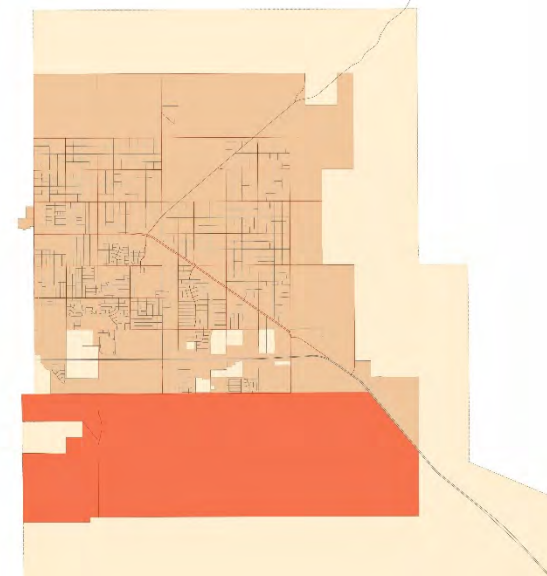
**Downtown**



**Rural**



**Standard**



**Lost Dutchmen Heights (LDH)**

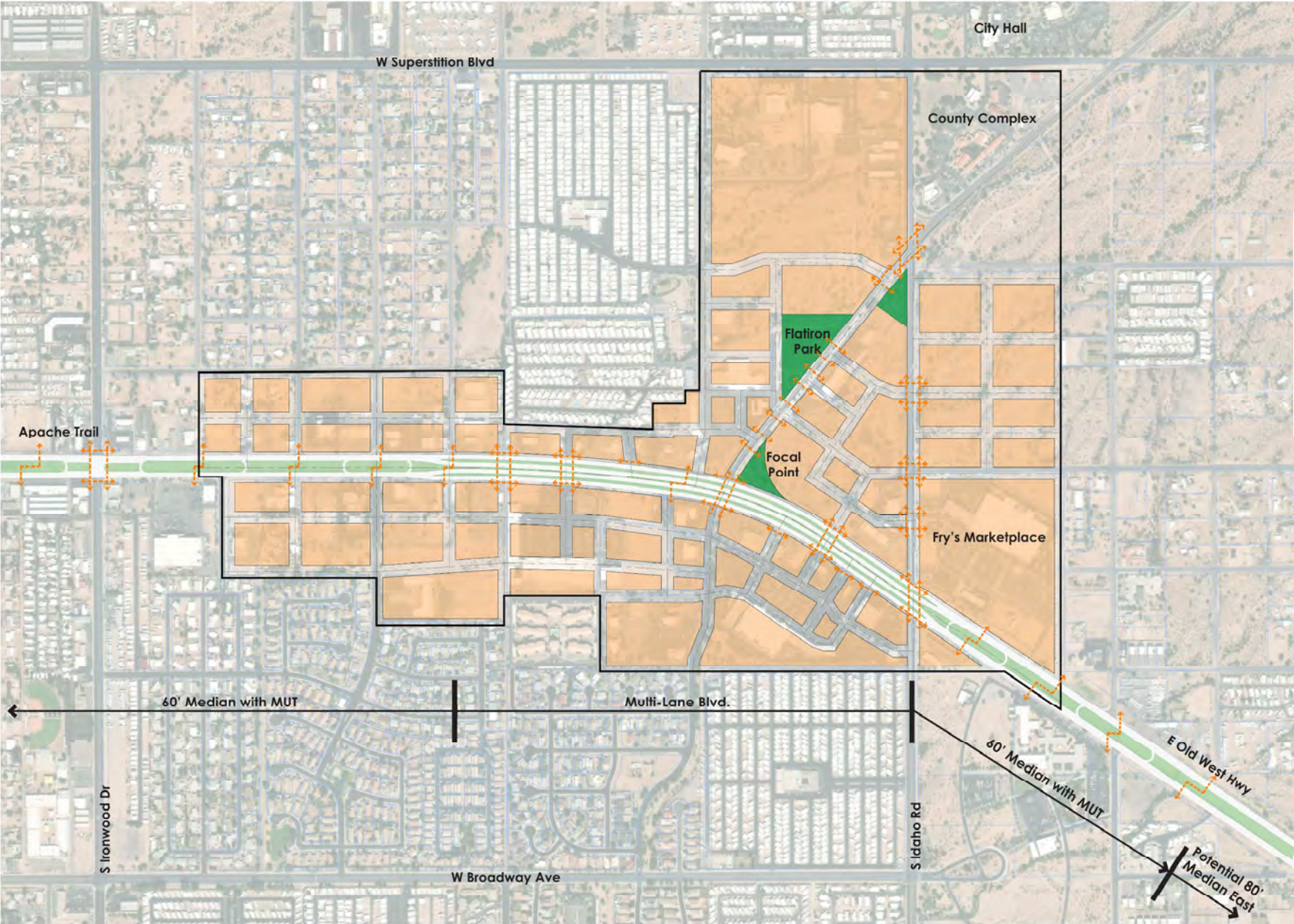
# CHARACTER AREAS

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# Block Configuration

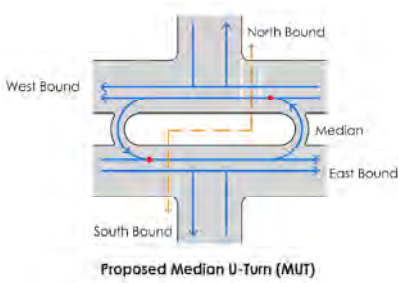
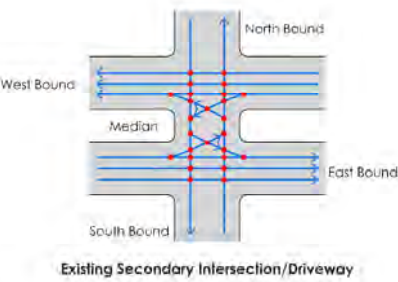


- Legend
- Downtown Streets
  - City Blocks
  - Parks
  - Pedestrian Crossing on Apache Trail / Old West Highway



## Conflict Points Diagrams

- Legend
- Vehicular Travel Lane/Direction
  - Conflict point
  - Pedestrian/Bike Crossing

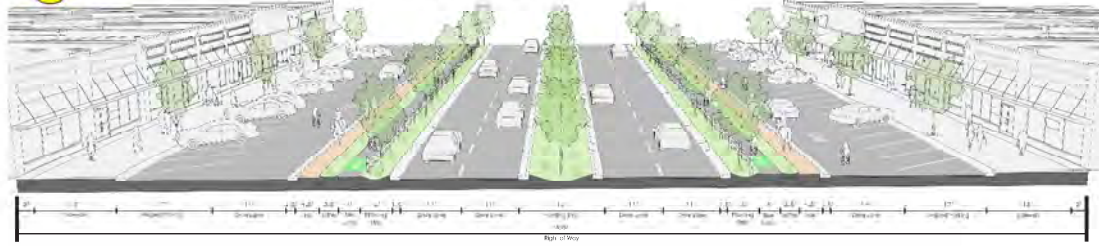


DOWNTOWN PLAN

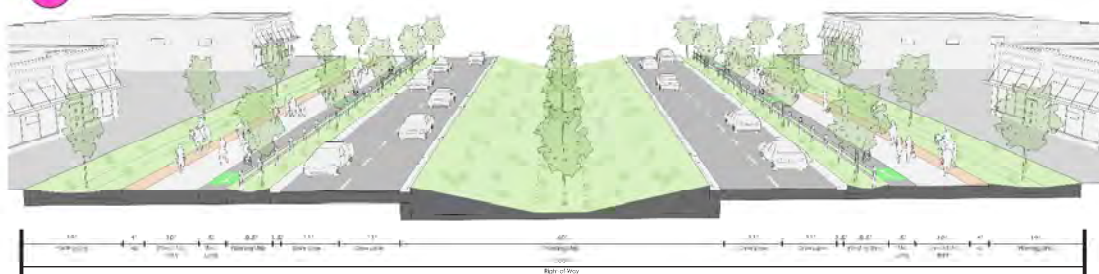




**Downtown - Apache Trail Multi-Lane Blvd (200' ROW)**



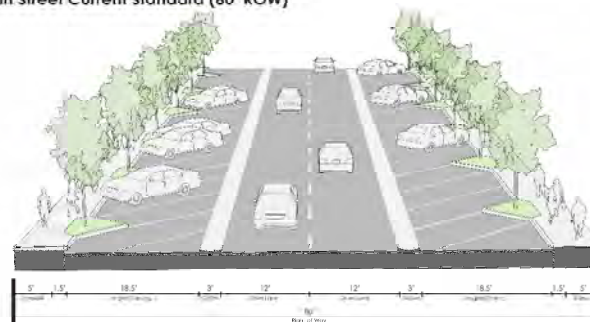
**Downtown - Apache Trail/Old West Highway 60' Median (200' ROW)**



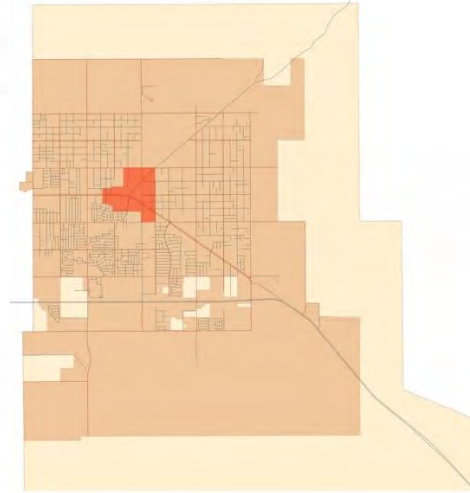
**Downtown - Apache Trail/Old West Highway 80' Median (200' ROW)**



**Downtown - Main Street Current Standard (80' ROW)**



KEY MAP



# DOWNTOWN: STREETS

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## Active Transportation Plan

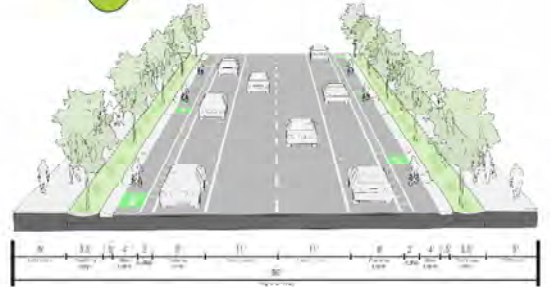




LDH - Neighborhood (50' ROW)



LDH - Collector Parking (80' ROW)



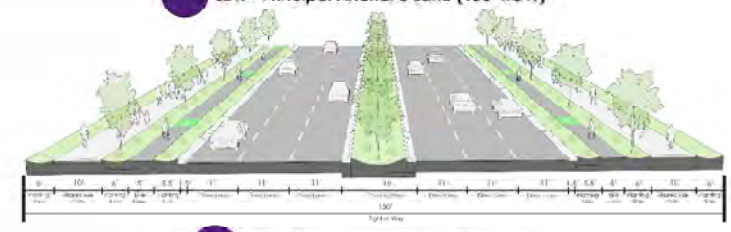
LDH - Collector without Parking (80' ROW)



LDH - Principal Arterial 4 Lane (150' ROW)



LDH - Principal Arterial 6 Lane (150' ROW)



LDH - Parkway 6 Lane (150' ROW)



KEY MAP

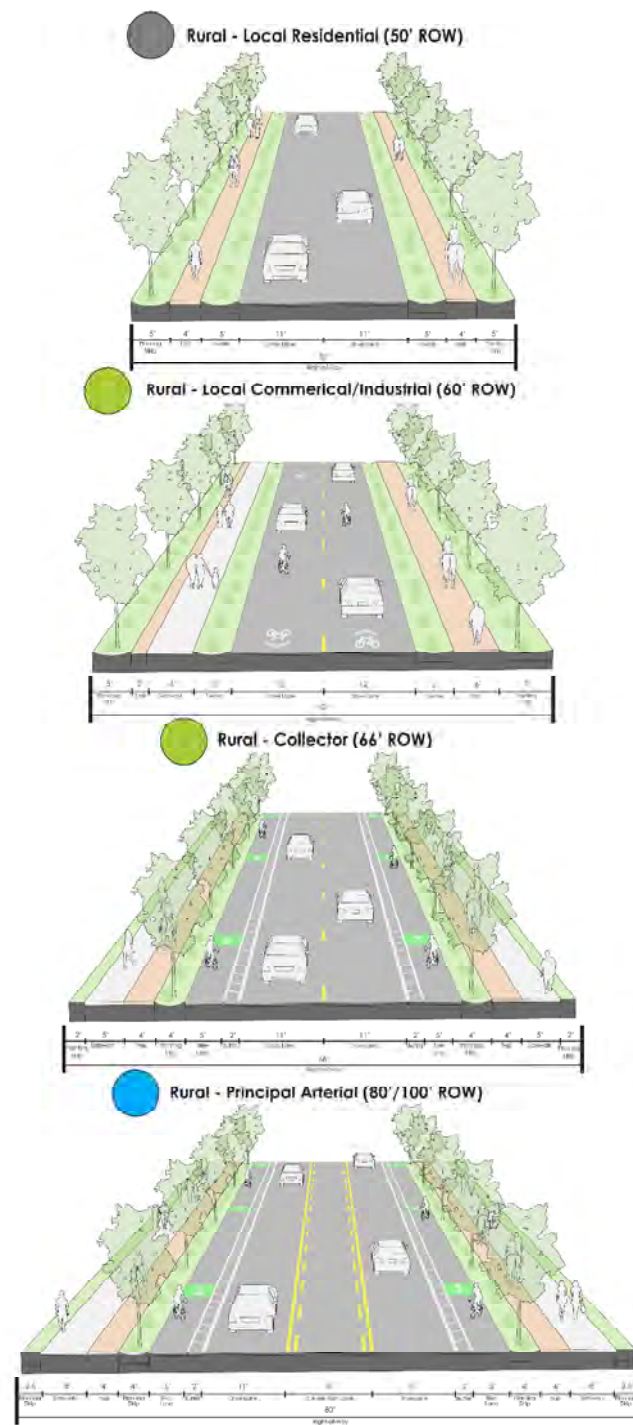


# LDH STREETS

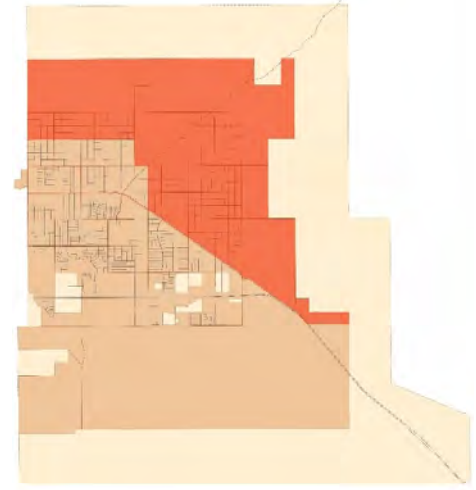
CITY OF APACHE JUNCTION

## Active Transportation Plan





KEY MAP



# RURAL ROADS

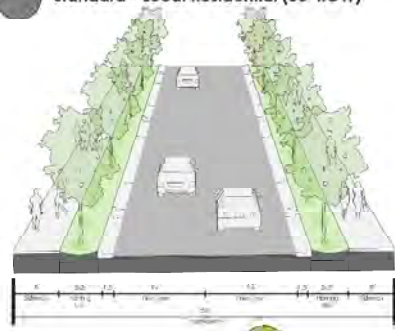
CITY OF APACHE JUNCTION

## Active Transportation Plan





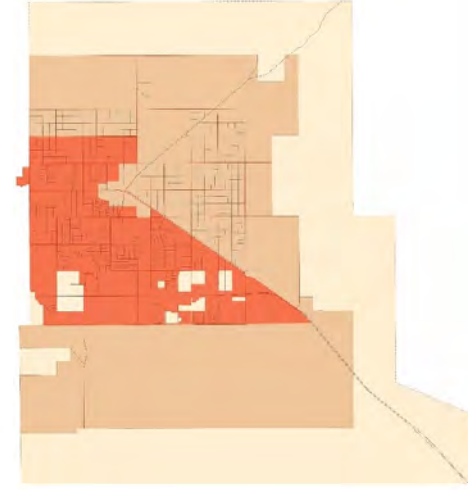
Standard - Local Residential (50' ROW)



KEY MAP



KEY MAP



Standard - Local Commercial/Industrial (60' ROW)



Standard - Local Commercial/Industrial (66' ROW)



Standard - Minor Arterial (80' ROW)



Standard - Major Arterial (100' ROW)

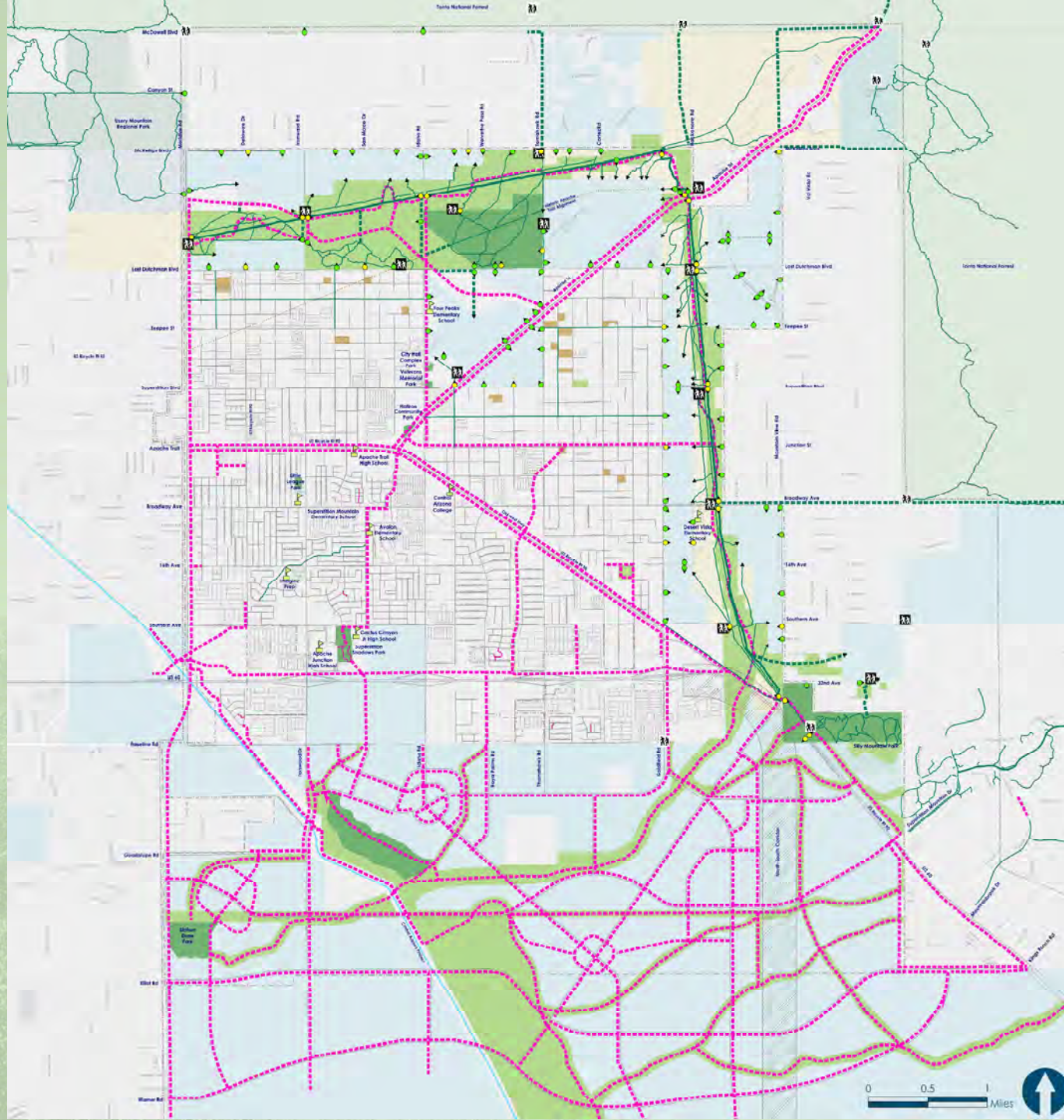


# STANDARD STREETS

CITY OF APACHE JUNCTION

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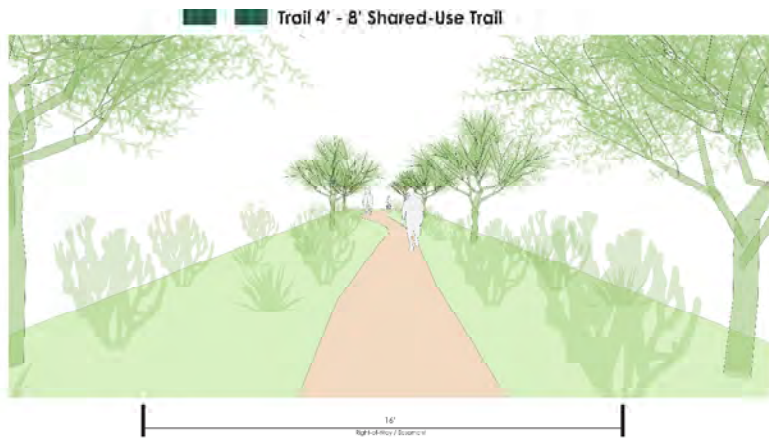
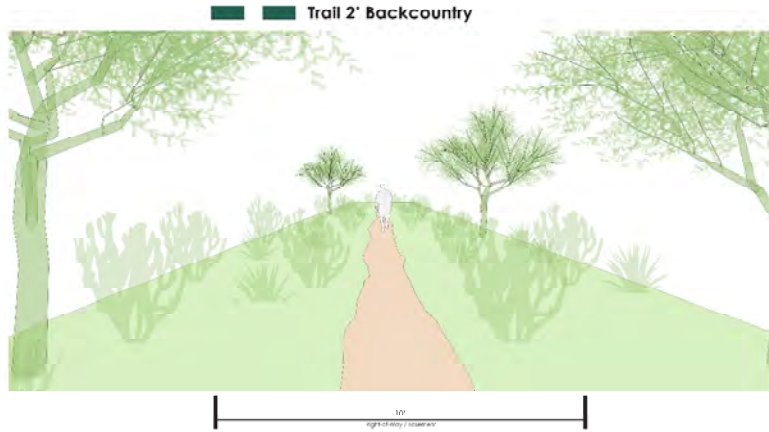


# TRAILS MAP

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## Active Transportation Plan





# TRAILS SECTIONS

CITY OF APACHE JUNCTION

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# Priority Projects

Create Connected Networks

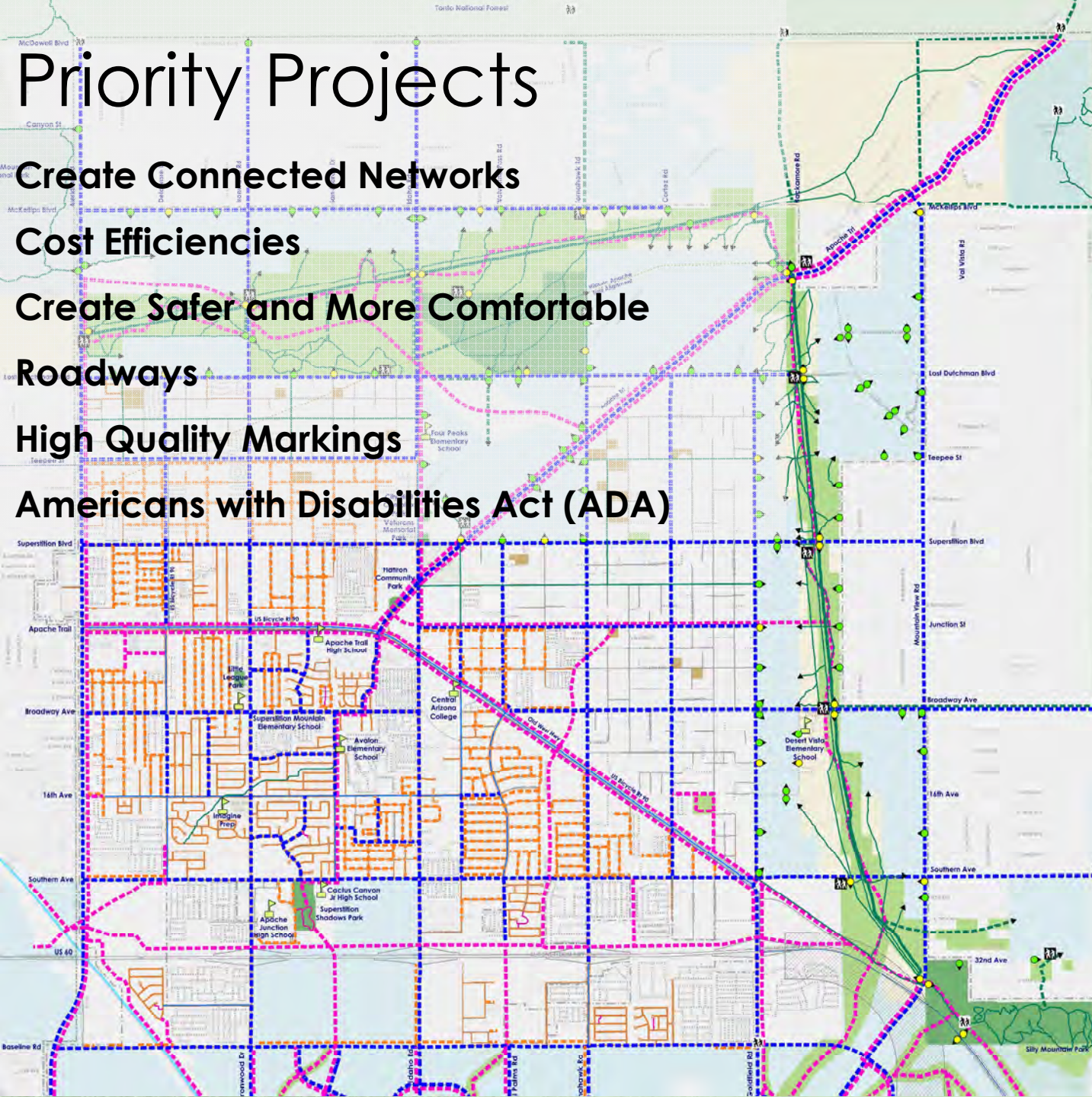
Cost Efficiencies

Create Safer and More Comfortable

Roadways

High Quality Markings

Americans with Disabilities Act (ADA)



## Near Term 0- 5 Year

Implementation: (Current COAJ CIP)

### FY18

**Southern Avenue:** Buffered bike lanes, Sidewalks, ADA - Winchester to Royal Palm

### FY19

**Apache Trail:** Buffered bike lanes, ADA, Signal timing - Meridian to Idaho

**Old West Highway:** Buffered bike lanes, ADA, Signal timing - Idaho to US60

**Southern Avenue:** Buffered bike lanes, ADA, Signal timing - Delaware to Ironwood

**Tomahawk Road:** Buffered bike lanes, ADA, Signal timing - OWH to Southern

### FY20

**Tomahawk Road:** Buffered bike lanes, ADA, Signal timing - Superstition to Broadway

**Tomahawk Road:** Buffered bike lanes, ADA, Signal timing - Southern to US60

### FY21

**Haven Hollow:** Sidewalks, ADA, Standard Streets - Haven Hollow subdivision streets

**Hilton Road:** Sidewalks, ADA, Standard Streets - Superstition Blvd to Broadway

**Ironwood Drive:** Buffered bike lanes, Sidewalks, ADA - Superstition to Tepee

**Junction Street:** Buffered bike lanes, Sidewalks, ADA - Wickiup to Goldfield

**Lost Dutchman Blvd:** Buffered bike lanes, Sidewalks, ADA - Meridian to Idaho

**Old West Highway:** Buffered bike lanes, ADA, Sidewalks, Signal timing - Idaho to US60

**Southern Avenue:** Buffered bike lanes, ADA, Sidewalks, Signal timing - Ironwood to Apache

**Southern Avenue:** Buffered bike lanes, ADA, Sidewalks, Signal timing - Meridian to Ironwood

### FY20-22

**Idaho Road:** Buffered bike lanes, ADA, Sidewalks, Signal timing - Superstition to McKellips

### Future

**16th Avenue:** Buffered bike lanes, ADA, Signal timing - Meridian to Cedar

**2nd Avenue:** Sidewalks, ADA, Standard Streets - Wickiup to Starr

**Baseline Avenue:** Buffered bike lanes, ADA, Sidewalks, Signal timing - Meridian to Ironwood

**Broadway Avenue:** Buffered bike lanes, ADA, Sidewalks, Signal timing Tomahawk/Goldfield

**Downtown District:** Develop a downtown Park & Ride lot

**Downtown District:** ADA, Sidewalks - Plaza Drive

**Downtown District Apache Trail:** Multi-lane Blvd. - Phelps to Rennick

**Apache Trail:** Multi-lane Blvd. - Rennick to Thunderbird

**Downtown District:** Downtown street network - Undeveloped Land

**Downtown District:** Project Type: Streets, Project #: RD0013

**Goldfield Road:** Buffered bike lanes, Sidewalks, ADA - Lost Dutchman to OWH

**Lost Dutchman Blvd:** Buffered bike lanes, Sidewalks, ADA - Goldfield to Idaho

**Meridian Road:** Multi-Use Path, Buffered bike lanes, ADA - Baseline Ave./McKellips

**Pueblo Del Sol:** Sidewalks, ADA

**Southern Avenue:** Buffered bike lanes, ADA, Sidewalks, Signal timing - Meridian/Tomahawk

**Superstition Blvd:** Buffered bike lanes, ADA, Sidewalks, Signal timing - Idaho to Arroyo

**Various Intersections:** ADA, Bicycle Detection, Signal timing

**Winchester Drive:** Buffered bike lanes, Sidewalks, ADA - 4th Ave. to Scenic

IMPLEMENTATION

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Active Transportation Plan





WINTER  
NO

# Thank you!

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Active  
Transportation  
Plan

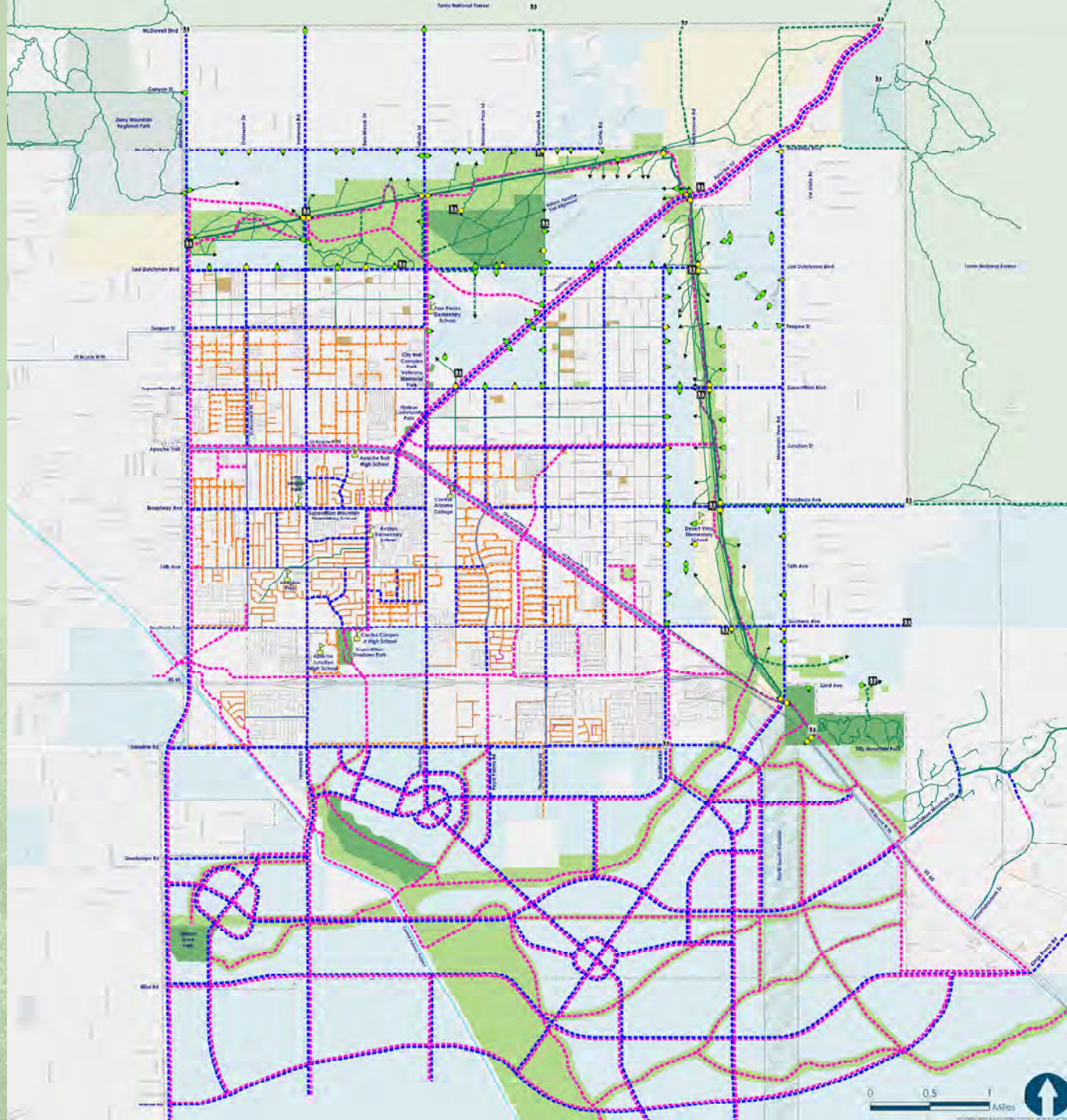
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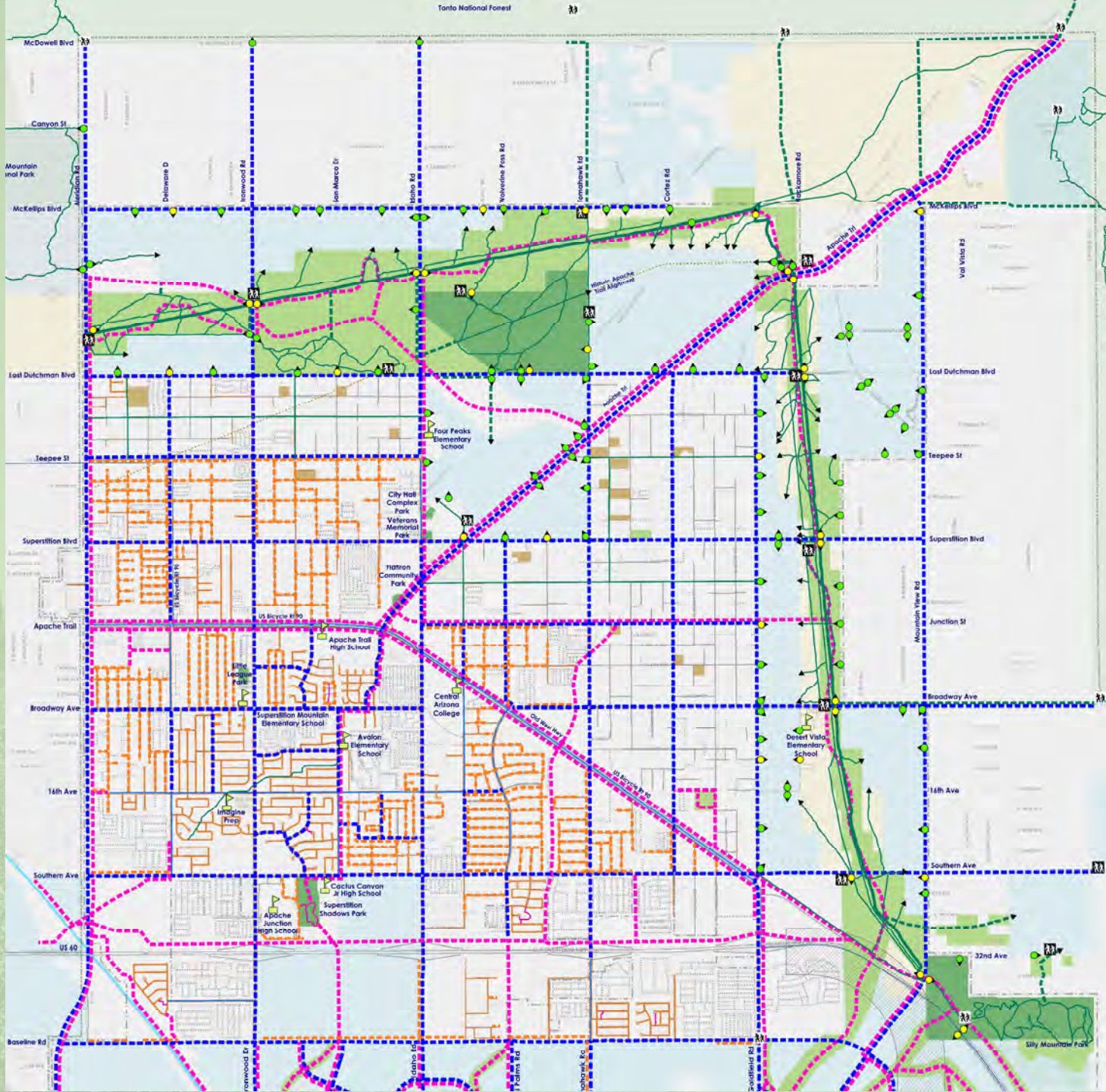


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