



## SCOTTSDALE TRANSPORTATION COMMISSION Notice and Agenda

**Date: Thursday, June 17, 2021**

**Time: 5:15 P.M.**

**Location: Virtual**

**Live Stream: <https://www.scottsdaleaz.gov/scottsdale-video-network/live-stream>**

### **Meeting will be held electronically and remotely**

Until further notice, Transportation Commission meetings are being held electronically to virtually attend and listen/view the meeting in progress. Transportation Commission meetings are televised on Cox Cable Channel 11/streamed online at ScottsdaleAZ.gov (search "live stream") or will be available on Scottsdale's YouTube channel to allow the public to listen/view the meeting in progress.

### **Call To Order**

#### **Roll Call**

Don Anderson, Vice-Chair	Mary Ann Miller, Commissioner
Pamela Iacovo, Chair	Donald Pochowski, Commissioner
Karen Kowal, Commissioner	Andy Yates, Commissioner
B. Kent Lall, Commissioner	

#### **Public Comment**

Spoken comment is being accepted on both agendized and non-agendized items. To sign up to speak on these items, please [click here](#). Request to speak forms must be submitted no later than 90 minutes before the start of the meeting.

Written comment is being accepted for both agendized and non-agendized items and should be submitted electronically at least 90 minutes before the meeting. These comments will be emailed to the Transportation Commission and posted online prior to the meeting. To submit a written public comment electronically, please [click here](#).

1. [Approval of Meeting Minutes](#)----- **Discussion and Action**  
Regular Meeting of the Transportation Commission – May 20, 2021
2. [Research Performed on Cool Pavement](#) -----**Presentation and Discussion**  
Presentation on research performed on cool pavement and preliminary results from the city of Phoenix pilot project – ASU Professors Jennifer Vanos, PhD and Ariane Middel, PhD

3. **Old Town Bicycle Master Plan**-----**Presentation, Discussion and Possible Action**  
Presentation of the Old Town Bicycle Master Plan findings and recommendations – Susan Conklu, Senior Transportation Planner
4. **Other Transportation Projects and Program Status**----- **Discussion**  
Status of projects and programs – Mark Melnychenko, Transportation & Streets Director
5. **Commission Identification of Future Agenda Items**----- **Discussion**  
Commission members identify items or topics of interest to staff for future Commission presentations

## **Adjournment**



Persons with a disability may request a reasonable accommodation by contacting Frances Cookson at 480-312-7637. Requests should be made 24 hours in advance, or as early as possible, to allow time to arrange the accommodation. For TYY users, the Arizona Relay Service (1-800-367-8939) may also contact Frances Cookson at 480-312-7637.





**DRAFT SUMMARIZED MINUTES**

**CITY OF SCOTTSDALE  
TRANSPORTATION COMMISSION  
REGULAR MEETING**

**Thursday, May 20, 2021**

**Meeting Held Electronically and Remotely**

**1. CALL TO ORDER**

Chair Iacovo called the regular meeting of the Scottsdale Transportation Commission to order at 5:15 p.m.

**2. ROLL CALL**

**PRESENT:** Pamela Iacovo, Chair  
Don Anderson, Vice Chair  
Karen Kowal  
B. Kent Lall  
Mary Ann Miller  
Donald Pochowski  
Andy Yates

**STAFF:** Mark Melnychenko, Transportation & Streets Director  
Susan Conklu, Senior Transportation Planner  
Gregory Davies, Senior Transportation Planner  
Nathan Domme, Senior Transportation Planner  
Dave Meinhart, Transportation Planning Manager  
Ratna Korepella, Transit Manager  
Dan Worth, Executive Director Public Works  
Phil Kercher, Traffic Engineering Manager  
David Smith, Senior Traffic Engineer  
Jeremy Richter, Project Manager

**3. PUBLIC COMMENT**

Steven Sussholz expressed concern about the Miller Road extension, which will pass adjacent to his backyard. Jeremy Richter has been responding to some of his questions and sent him a copy of the noise reduction report. Mr. Sussholz's concerns include traffic counts and methodology,

noise abatement and bridge height. Specifically, he would like to know when the 22,000 automobile traffic projection on Miller Road is expected to begin. Dave Meinhart, Transportation Planning Manager, stated that the requested information is in the staff report and in the upcoming presentation. The traffic counts were based on a 2040 projection by Maricopa Association of Governments (MAG). In response to a question from Mr. Sussholz, Mr. Richter stated that the wall behind his house will be approximately 12 feet above the finished grade.

Frederic White introduced himself as a Scottsdale resident as well as President of the HOA for the Pinnacle Reserve Community. The HOA board objects to the continuation of the Rawhide flood project that would extend Miller Road between Pinnacle Peak and Happy Valley. This would be detrimental by eliminating much of the foot and bike traffic in the neighborhood. A resulting shortcut option would send speeding vehicles east and west through the neighborhood in addition to north/south traffic on Miller. Residents will go from backing to a beautiful natural wash to backing against a busy street.

Dan Lunberg spoke as a resident of Pinnacle Reserve, noting that he, his family and neighbors all object to the Miller Road extension project. They would like to have it be built to the east of Pinnacle Peak Reserve in the desert wash area. Increased traffic flows will be detrimental to the community via noise and increased crime. Homes have only a nine-foot buffer from the road and sidewalks are directly adjacent to street asphalt, not separated by the road. In 2021, nine pedestrians have been hit by vehicles in North Scottsdale, including one fatality. Alternative ideas for diverting traffic were given.

Chris Marino introduced himself as a resident of Pinnacle Reserve and an objector to the project, including massive neighborhood traffic. He suggested an environmental study, as there is wildlife in the wash. Many neighbors are in agreement that they would not like to see the project go forward.

#### **4. APPROVAL OF MINUTES**

A grammatical correction was identified.

COMMISSIONER LALL MOVED TO APPROVE THE REGULAR MEETING MINUTES OF THE TRANSPORTATION COMMISSION ON APRIL 15, 2021 AS AMENDED. COMMISSIONER POCHOWSKI SECONDED THE MOTION, WHICH CARRIED 7-0 WITH CHAIR IACOVO, VICE CHAIR ANDERSON, COMMISSIONERS KOWAL, LALL, MILLER, POCHOWSKI AND YATES VOTING IN THE AFFIRMATIVE WITH NO DISSENTING VOTES.

#### **5. MILLER ROAD BRIDGE AND FLOOD CONTROL PROJECT**

Dave Meinhart, Transportation Planning Manager, provided a description and history of the roadway, which serves as a regional connection for the City. The project corridor was identified in both the 2008 and 2016 Transportation Master Plans. In the 2016 Plan, as approved by City Council and recommended by the Commission, the roadway is planned as a major collector, which is a four-lane roadway with sidewalks and bike lanes and reduced center medians. Residents have been made aware of the project via onsite signage.

A brief review of the Rawhide Wash Project was provided. It is not being considered as a project site, as there are existing roadway connections that will provide links. The Wash Corridor is

natural area open space and via the Flood Control Project, the City is attempting to reduce impacts. Rather than digging a channelized wash, there will be raised floodwalls. The City is attempting to coordinate roadway improvements as much as possible with flood control improvements. Pima Road is a busy road, with approximately 11,000 vehicles per lane per day average. Scottsdale Road averages close to 11,000 vehicles per lane per day. Averages will be reduced as the roadways are widened. The Scottsdale Pinnacle Peak intersection has the fourth highest approach lane volume. MAG 2040 projects 34,000 vehicles per day in the three corridors in the vicinity. The project is estimated at \$14.2 million, with \$9.9 million funded via MAG's Arterial Life Cycle Program. Design process and schedule, project corridor limits and key project elements were discussed. Aerial photographs of proposed roadway improvements were reviewed. Public information has been provided on the City website and a project hotline is available for comment. A public meeting was held with 75 comments received with a variety of opinions and questions. Details were provided in the staff report regarding traffic concerns, roadway noise abatement policy, noise analysis findings and next steps. Construction completion is scheduled for winter of 2023.

Mr. Meinhart responded to Commissioner questions, beginning with the meaning of the cost of benefit to residents. Design and build of a noise wall cost would be divided by the number of homes above the threshold of 64 decibels.

The flood control height specifics fall under the purview of the Flood Control District. Commissioner questioned the impact of the floodwall on neighbors. Mr. Richter stated that the bridge is sufficiently high that the lower section of the bridge will go over the containment top elevation of the floodwalls. The floodwalls are currently in preexisting locations. The Flood Control District will merely be heightening them. The bridge controls no lighting, other than a single streetlight at Mariposa Grande and Miller, to be consistent with the current lighting theme on Miller.

In response to a Commissioner question, David Smith, Senior Traffic Engineer, stated that staff has been using scenarios and assumptions to gauge anticipated volumes upon opening. As part of this, data has been collected at nearby intersections to project shifts to the Miller and Happy Valley intersection. There is projected to be between 7,500 to 12,000 ADT on Miller. MAG projections incorporate the 600 acres north of Happy Valley.

Commissioner inquired as to whether residents in the area are required to buy floodplain insurance. Mr. Meinhart said federal flood insurance requirements are not a mandate on all mortgages, but it is a requirement for anything federally-backed. The intent of the Flood Control District is to take residential and commercial properties out of the floodplain. Mr. Meinhart confirmed Vice Chair's understanding that the homes in the project area would be taken out of the floodplain via the flood control project.

Commissioner stated that without mechanism to slow drivers down, speed will be a concern. It would be helpful to see analysis for adding four-way stops or a roundabout to curb speeds. Phil Kercher, Traffic Engineering Manager, stated that the City does not do traffic calming on major collector streets. For traffic control, warrants need to be met before installation of traffic control devices, such as all way stops, roundabouts and traffic signals. Speed slowing is typically done through photo enforcement.

In response to a question from Vice Chair, Mr. Meinhart stated that there will be at least one additional virtual public meeting as well as public meetings for the Design Review Board and City Council public meeting for construction contract award.

Commissioners discussed next steps/recommendations. Chair stated a preference to direct staff to continue with design and return to provide a status of the project when the project manager deems an update to be relevant. Mr. Meinhart suggested that staff provide an update after the process has gone through the Development Review Board process.

VICE CHAIR ANDERSON MOVED TO MOVE FORWARD WITH DESIGN AND HAVE STAFF RETURN WITH UPDATE AS A FUTURE ITEM. COMMISSIONER LALL SECONDED THE MOTION, WHICH CARRIED 7-0 WITH CHAIR IACOVO, VICE CHAIR ANDERSON, COMMISSIONERS KOWAL, LALL, MILLER, POCHOWSKI AND YATES VOTING IN THE AFFIRMATIVE WITH NO DISSENTING VOTES.

## **6. 70TH STREET NEIGHBORHOOD BIKEWAY STUDY**

Ms. Conklu stated that the City applied for and was selected for MAG's Design Assistance Program funding for the 70th Street Neighborhood Bikeway Study. There is no match requirement. These projects typically create design concepts and include public input. The City selected from MAG's on-call consultant list. An overview of the project area was provided, which will be the first of several planned Neighborhood Bikeways. They are typically located along low stress routes. This project will link several residential areas in southern Scottsdale and Old Town. The study divided the corridor into five segments, characterized by the width of existing right-of-way and adjacent land uses. Design concepts were reviewed. Potential elements include wayfinding signage, traffic calming, intersection enhancements, signal timing and detection. Virtual open house meetings were held in November of 2020 and March of 2021 and the information is still online. Key comments focused on connectivity, biking options, reducing automobile speeds, desire for bike lanes, increased signal timing, better detection for bicyclists and safety along the alley path.

In terms of next steps, staff is currently reviewing the final project assessment report. Revisions will be made prior to receipt of the final version. Future design and construction will require staff to prioritize concepts and which segments should move forward. Funding may include federal or local sources. Public outreach will continue.

Commissioner inquired as to whether the City currently has any bike paths in alleys. Ms. Conklu stated that there are a few, including unpaved trails and paved paths through alleys. One example is just east off of the Crosscut Canal connecting to Bellevue.

In response to a question from Chair, Ms. Conklu gave an alternative route for the bikeway, should the alleyway plan not be feasible.

## **7. OTHER TRANSPORTATION PROJECTS AND PROGRAM STATUS**

Mark Melnychenko, Transportation and Streets Director, provided a brief update on the following projects:

- Bikeway within the Old Town Bicycle Master Plan
- HAWK installation on Scottsdale Road
- Sidewalk improvements in southern Scottsdale

- Scottsdale Road and Camelback illuminated street signs
- Indian School Road improvements
- Osborn Road construction project
- HAWKs on Saddleback and Camelback Road; future HAWKs at 86th Street and Thomas and at Oak Street and Scottsdale Road
- Roadway upgrade on Camelback to Chapparal and 68th Street
- Roadway restriping and buffered bike lanes on 68th Street
- Paving on McDowell Road and on Indian School Road
- Ongoing alley maintenance program
- Ongoing streetlight conversion program
- Lighted intersection street signs on Camelback and Scottsdale Road

## **8. COMMISSION IDENTIFICATION OF FUTURE AGENDA ITEMS**

Identified items include:

- Update presentation for Miller Road bridge
- Special meeting on June 3rd to focus on the transit program, sidewalk and pedestrian crossing plans

## **9. ADJOURNMENT**

With no further business to discuss, being duly moved by Vice Chair Anderson and seconded by Commissioner Kowal, the meeting adjourned at 7:21 p.m.

AYES: Chair Iacovo, Vice Chair Anderson, Commissioners Kowal, Lall, Miller, Pochowski and Yates

NAYS: None

SUBMITTED BY:

eScribers, LLC

**\*Note: These are summary action meeting minutes only. A complete copy of the audio/video recording is available at <http://www.scottsdaleaz.gov/boards/transp.asp>**

# SCOTTSDALE TRANSPORTATION COMMISSION REPORT



**To:** Transportation Commission  
**From:** Dr. Jennifer Vanos and Dr. Ariane Middel,  
ASU School of Sustainability  
**Subject:** Research Performed on Cool Pavement  
**Meeting Date:** June 17, 2021

## ITEM IN BRIEF

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**Action:** Presentation and Discussion

**Purpose:** Presentation on research performed on Cool Pavement trial areas and preliminary results from the city of Phoenix pilot project.

### Update:

Cool pavements include a range of technologies that communities are exploring as part of their heat island reduction efforts. Cool pavement reflects heat rather than retaining it. Cool Pavement reflects up to 40% of sunlight, compared to 10% reflected by dark pavement. This may help reduce rising nighttime temperatures and improve the livability of our cities in the summer months. Colorized seal coats and asphalts have been around for a while. Cool pavement uses existing material and technology in a new way. It can be sprayed or applied with a squeegee, just like the other surface treatments we apply to city roads. It is a water-based asphalt treatment that is applied on top of the existing asphalt pavement and is made with asphalt, water, an emulsifying agent (soap), mineral fillers, polymers and recycled materials. It contains no harmful chemicals and is compatible with traditional asphalt.

The Arizona State University (ASU) School of Sustainability and city of Phoenix (COP) partnered for a pilot to study reflective pavement in the summer 2020. This included eight (8) neighborhood pilot test sites across Phoenix and one (1) park area. The City of Phoenix Street Transportation Department identified 36 miles of local streets for cool pavement treatment, inclusive of all Council districts. Since various parts of the city experience different rain, monsoon conditions, and degrees of wear on the pavement, it should be an effective way to find out how well the treatment is working and how durable it is. The streets selected for this pilot project have asphalt that is in good condition and where a preservative surface treatment would be warranted.

The ASU/COP team evaluated the results using a variety of data collection tools for:

- Surface Temperature
- Surface Reflectivity
- Subsurface Temperature
- Air Temperature
- Mean Radiant Temperature

Additionally, feedback is being gathered through a neighborhood survey on residents' perceptions of the Cool Pavement.

### Next Steps:

The information collected and presented by the ASU/COP team will help the City of Scottsdale which is considering a pilot project in several locations that have higher concentrations of people walking and biking along with lower traffic volumes.

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**Contacts:** Shayne Lopez, 480-312-5665, [slopez@scottsdaleaz.gov](mailto:slopez@scottsdaleaz.gov)

# ***Reflective Pavement Technologies & The City of Phoenix Cool Pavement Pilot Program***

June 17, 2021

## ***Project Participants:***

***Team (ASU):*** Ariane Middel, Jennifer Vanos, David Sailor, David Hondula, Kamil Kaloush, Jose Medina, Florian Schneider, Johny Cordova, Brendan Rice, Bill Campbell

***Volunteers (ASU):*** Samuel Castro Brockman, Peter Crank, Erin Epel, Julia Marturano, Aaron Mehner, Maddie Potts, Adora Shortridge, Ananth Udupa, Nicholas Weis

***City Liaisons:*** Rubben Lolly, Mark Hartman





## Outline

- Reflective Pavement
- Potential Benefits
- City of Phoenix Efforts
- Methods of Assessment
- Expected Timeline for Results





## What is “Reflective or Cool Pavement”?

- a range of technologies that communities are exploring as part of their heat reduction efforts
- the coating put on the surface is a water-based, asphalt emulsion
- often light in color (light grey) but can be other colors
- sprayed onto the surface of existing asphalt or applied with a squeegee



Image: [heatisland.lbl.gov](http://heatisland.lbl.gov)



Image: City of Phoenix via AP

## What are the Benefits of “Reflective Pavement”?

### - **Reduced Surface Temperatures**

- Reduces surface temperatures
- May help reduce air temperature, especially nighttime temperatures
- May improve the livability of our cities in the summer months

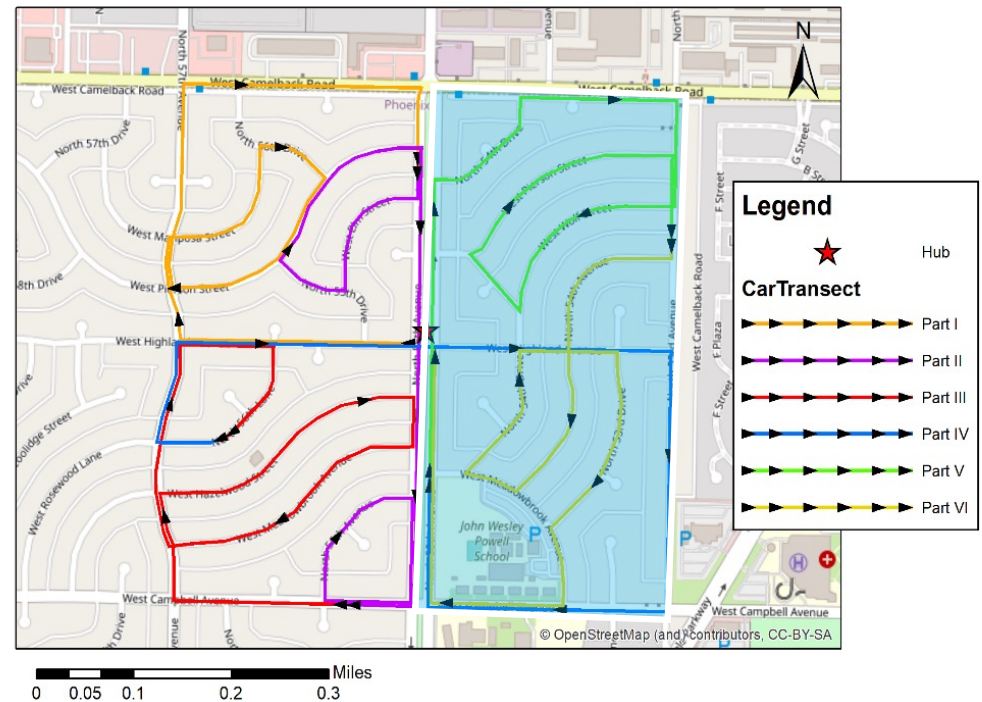
### - **Pavement Preservation**

- To due less absorbed radiation, surface and subsurface temperatures are reduced, potentially lengthening the lifetime of the pavement

### - **Potential Considerations**

- Higher reflection towards people
- Different colors needed for cross walks
- Maintenance & degradation





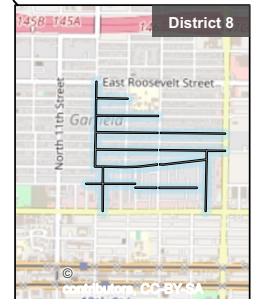
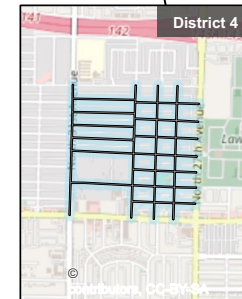
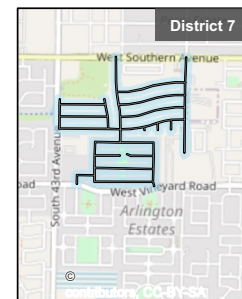
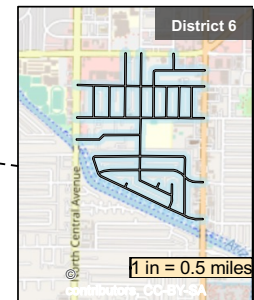
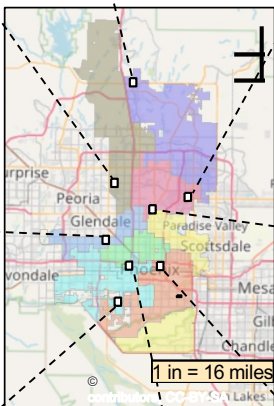
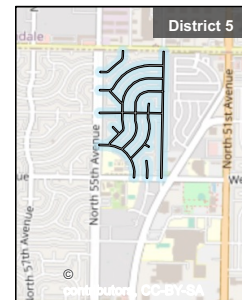
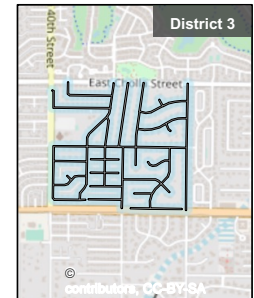
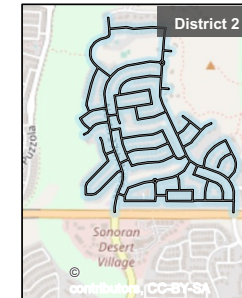
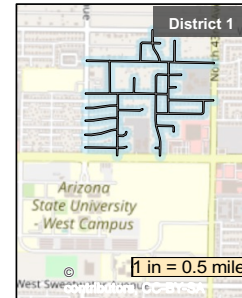
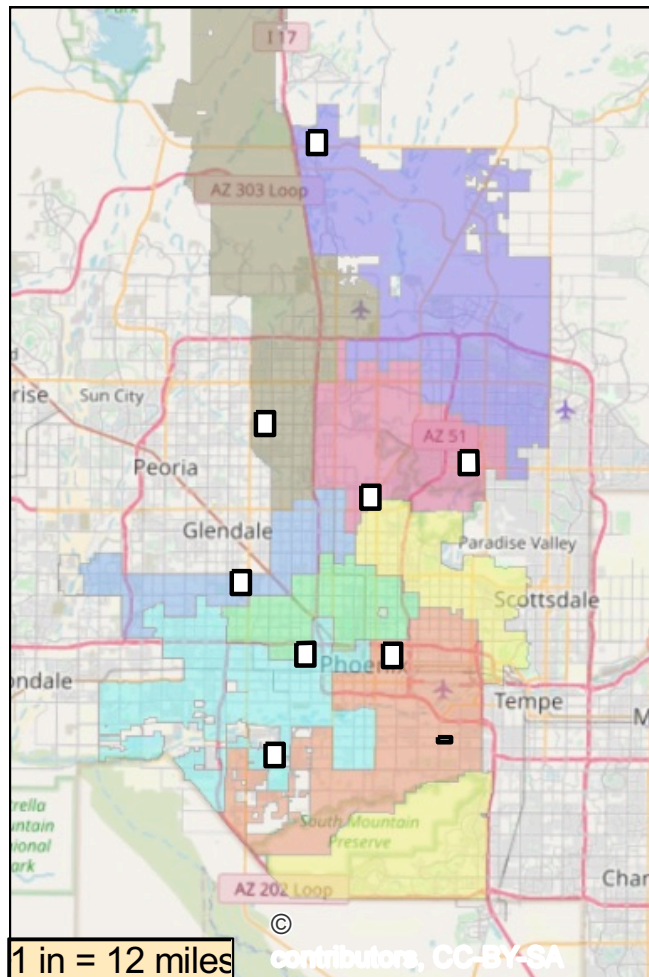
# City of Phoenix Cool Pavements Pilot Program



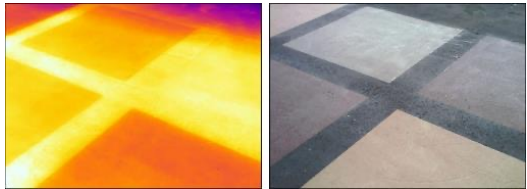


# Neighborhoods and Data Collection City of Phoenix

- 8 neighborhood pilot test sites across Phoenix (and 1 park street/parking) – *most of any city globally*
- 36 miles (58km) of residential roads



# Cool Pavement Evaluation



**What is the impact of cool (highly reflective) pavement on urban heat?**  
 Holistic assessment of “Cool Seal” in City of Phoenix residential neighborhoods

**Air temperature & Surface Temperature:**  
 Thermocouples/ vehicle traverse



**Subsurface Temperature:**  
 iButtons



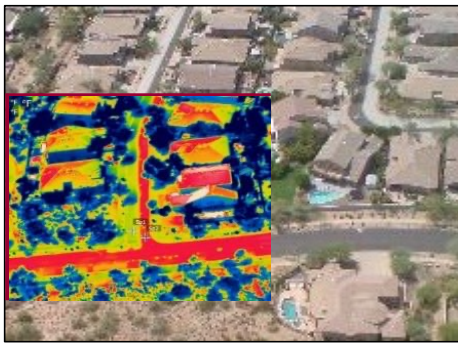
**Reflectivity:**  
 Spectrometer



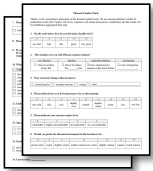
**Mean Radiant Temperature:**  
 MaRTy



**Surface Temperature:**  
 Helicopter overflight/thermal photography



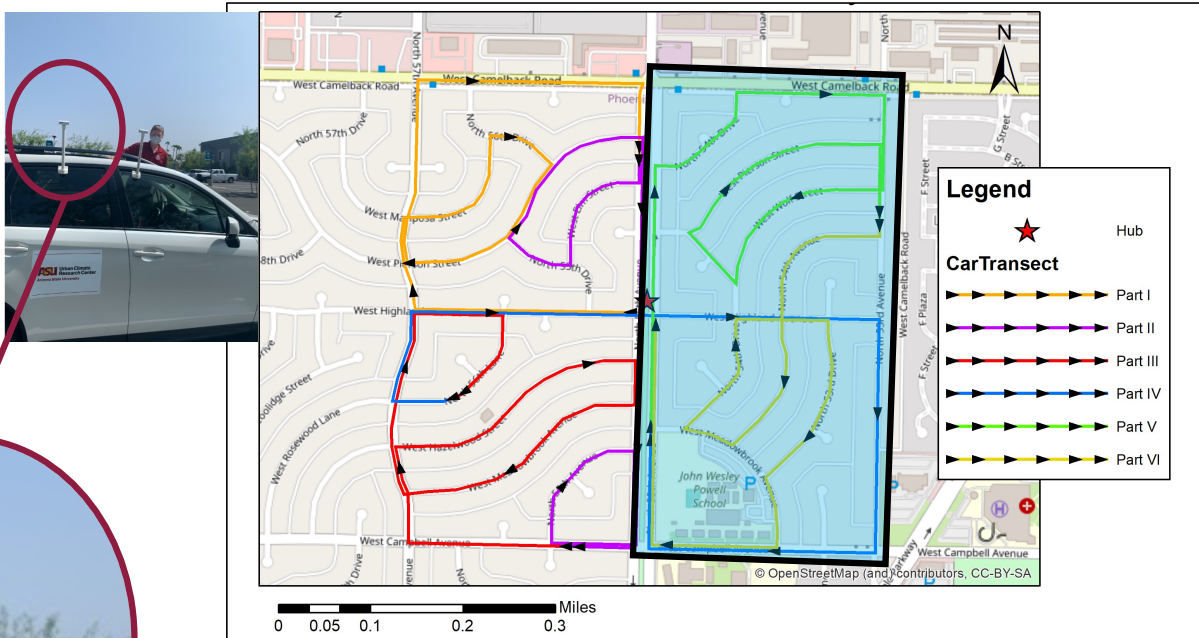
**Phoenix neighborhood, half-coated with CoolSeal**  
 September 10, 2020, 13:08 h  
 Air temperature: 32°C  
 Difference in surface temperature: 7.5°C



**Neighborhood Survey:**  
 Residents' perceptions



# Enhanced Sampling: Car-derived Air & Surface Temperature



How often?

3 neighborhoods

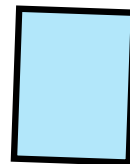
4 x per day

2 x per hour

- ~4am (sunrise)
- ~12pm (high sun)
- ~3pm (high  $T_{air}$ )
- ~7pm (sunset)



Type T  
thermocouples

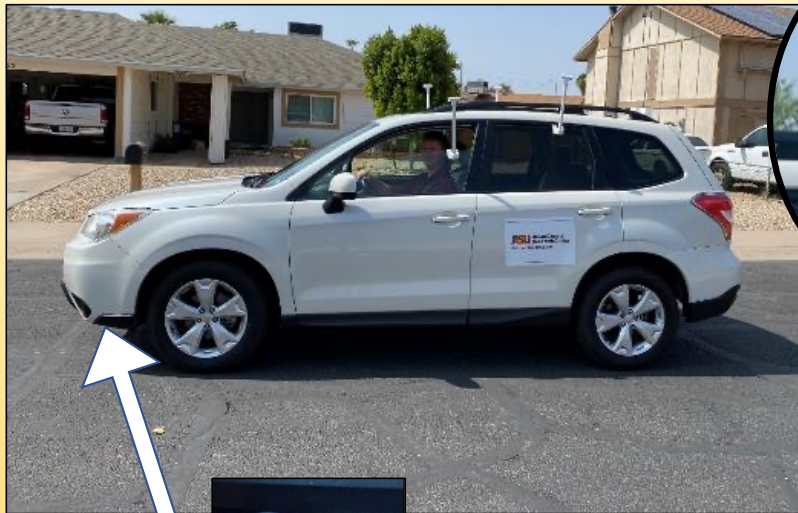


CoolSeal  
applied



# Air Temperature Evaluation

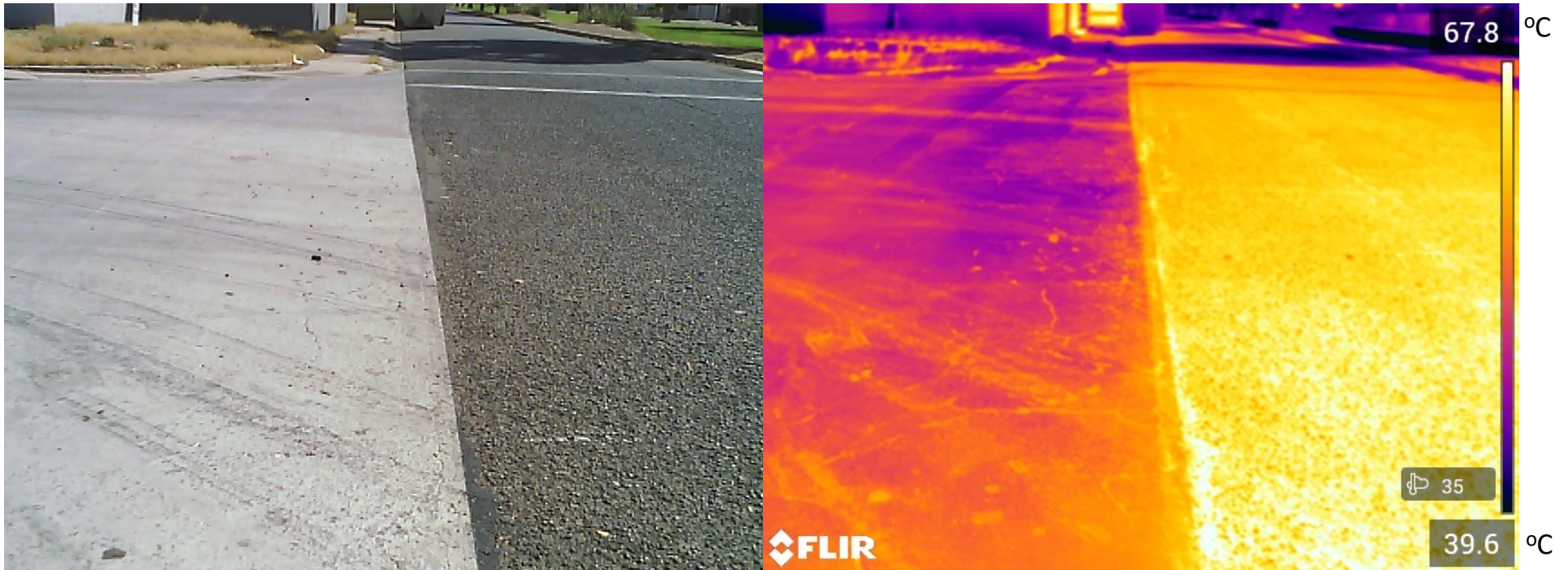
Fine wire thermocouples to determine if there is an air temperature difference between cool seal areas and asphalt areas at different times of day on clear days



Also monitored surface temperature with IR thermometer ~8inches from surface on front of car



# Surface Temperature Evaluations

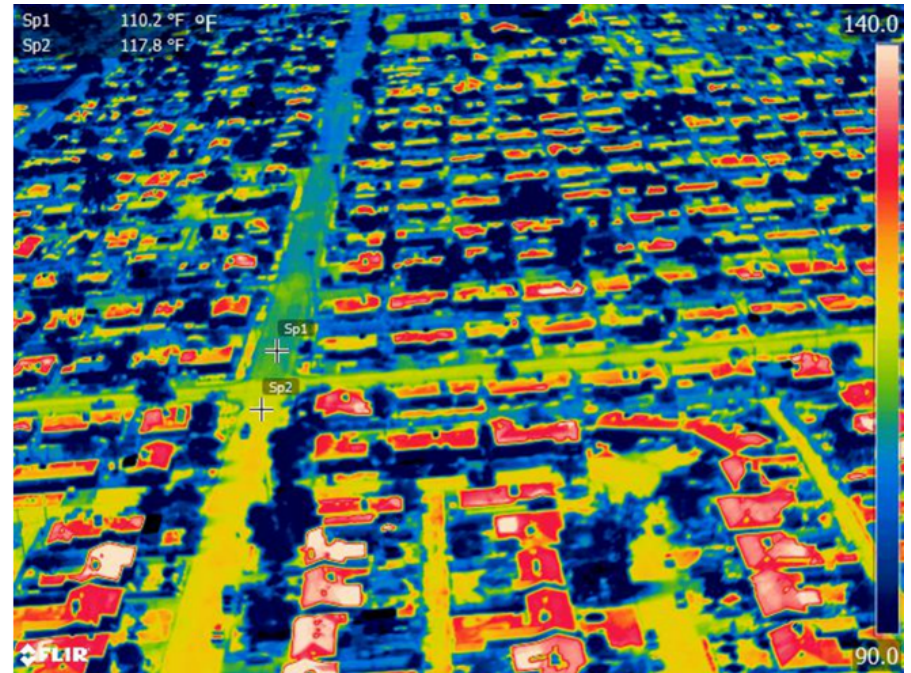


- Measured with FLIR Infrared Cameras
- Provides spatial surface temperature measurements
- Temperatures in degrees C.



# Surface Temperature Evaluations

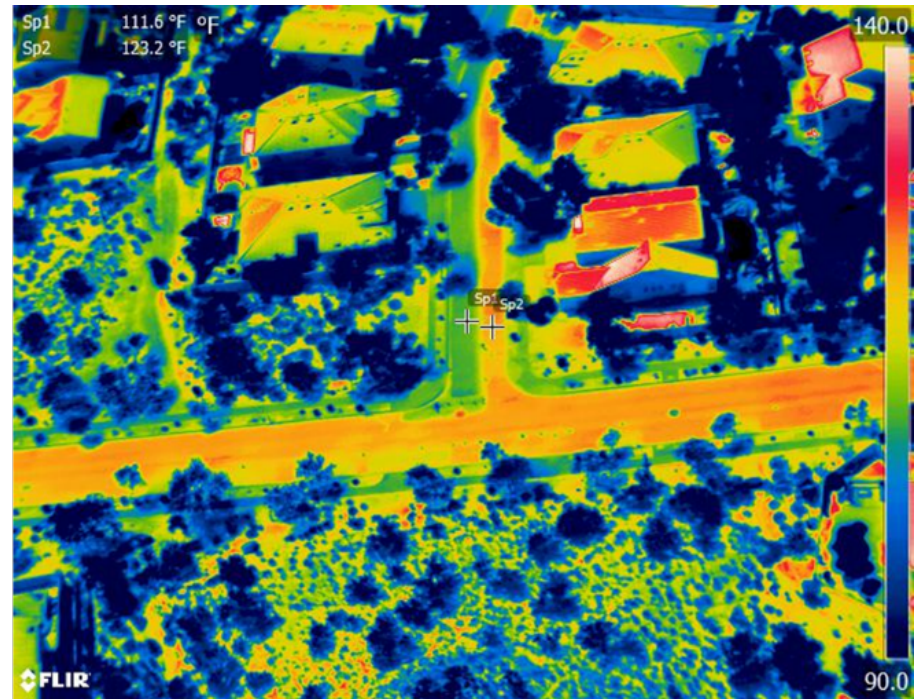
## Helicopter Overflights





# Surface Temperature Evaluations

## Helicopter Overflights



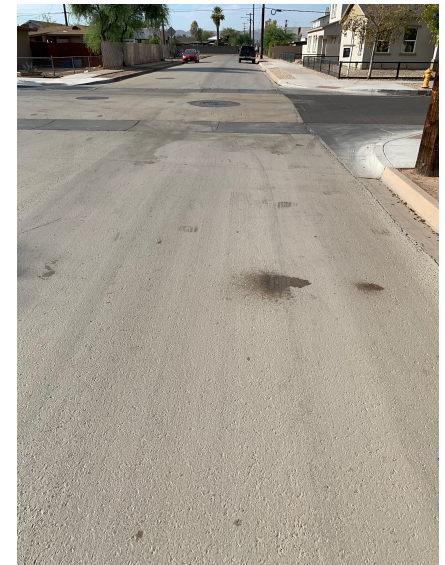
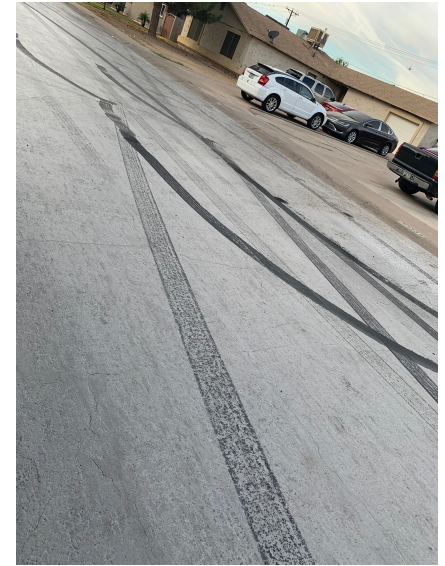
# Mean Radiant Temperature Evaluation

Mean radiant temperature provides an integrated value of what a human would feel when air and radiant temperatures are combined (e.g., radiation from sky, buildings, ground).





# Long-term Reflectivity Evaluation

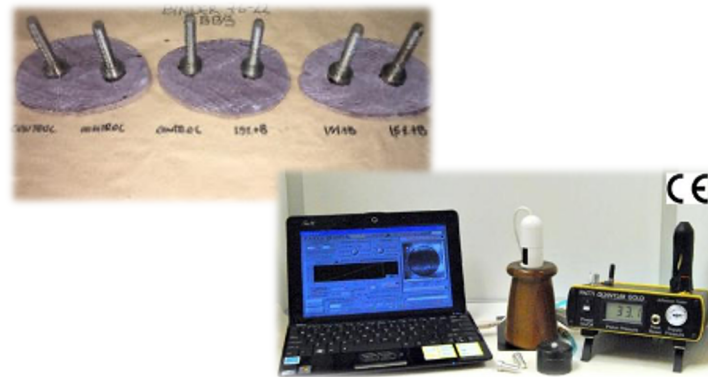


# Field Observations and Performance Testing

✓ Field Observations (ongoing)



✓ Bond Testing (ongoing)



✓ Friction (future)



✓ Surface Wear (future)





## 6. Resident Survey



City of Phoenix

**ASU** Urban Climate  
Research Center  
Arizona State University

What do you think of the new pavement in your neighborhood?

Participate in our survey and receive a \$5 gift card

To take the survey, visit [links.asu.edu/pavementsurvey](https://links.asu.edu/pavementsurvey) or scan:



Your opinion is important to shape future decisions about pavement investments. If you are unable to take the survey online, a paper copy with pre-paid return postage will be mailed to your home in two weeks.

- mailed to 2,000 randomly selected addresses (~250 per neighborhood) with an estimated response rate of 20%



# Next Steps

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- Final Report & results released: mid-July 2021
- Future testing – both long term aspects + new surface types



# Thank you!

## *Reflective Pavement Technologies & The City of Phoenix Cool Pavement Pilot Program*

### ***Project Participants:***

**Team (ASU):** Jennifer Vanos Ariane Middel, Bill Campbell, Johny Cordova, David Hondula, Kamil Kaloush, Jose Medina, Brendan Rice, David Sailor, Florian Schneider

**Volunteers (ASU):** Samuel Castro Brockman, Peter Crank, Erin Epel, Julia Marturano, Aaron Mehner, Maddie Potts, Adora Shortridge, Ananth Udupa, Nicholas Weis

**City Liaisons:** Rubben Lolly, Mark Hartman



**Project Contacts:** Jenni Vanos ([jvanos@asu.edu](mailto:jvanos@asu.edu)); Ariane Middel ([amiddel@asu.edu](mailto:amiddel@asu.edu))



**City of Phoenix**



# SCOTTSDALE TRANSPORTATION COMMISSION REPORT

**To:** Transportation Commission  
**From:** Susan Conklu, Senior Transportation Planner  
**Subject:** Old Town Bicycle Master Plan  
**Meeting Date:** June 17, 2021



## ITEM IN BRIEF

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**Action:** Information and Discussion

**Purpose:** Provide an update on the Old Town Bicycle Master Plan.

### Background:

In late 2019, the Maricopa Association of Governments (MAG) authorized federal grant funding for the City's Old Town Scottsdale Bicycle Master Plan application. The master plan, which is managed by Transportation staff, is being completed through a MAG contract using their approved on-call consultants. The consultant team consists of Y2K Engineering as the primary consultant, with Harrington Planning + Design, Engineering Mapping Solutions, and WERK Urban Design as their subconsultants. The scope of the project is to complete a bicycle master plan for the Old Town Scottsdale area, prioritize recommendations for future bikeway improvements, and increase active transportation.

The consultants began data collection in March 2020, and the project formally kicked off in April 2020. A Visioning Workshop was held in May 2020 with over 20 staff from several city departments including Traffic Engineering, Planning, Economic Development, Tourism and Special Events, and the City Manager's Office. Participants provided input on bicycling from their departmental perspectives. The consultant team spent the summer of 2020 analyzing the data, existing conditions, and gaps in the network.

### Update:

Virtual Open House #1 was held December 15 – January 5 on the city's website:

[City of Scottsdale - Old Town Scottsdale Bicycle Master Plan \(scottsdaleaz.gov\)](https://www.scottsdaleaz.gov/old-town-scottsdale-bicycle-master-plan)

The virtual open house included a recorded presentation and questionnaire with 13 questions. Seventy-nine citizens filled out the questionnaire.

Three stakeholder focus group meetings, attended by 19 people, were held April 26 – May 11, 2021 to gather detailed feedback the community and private industries. These included small businesses, residential, employment, entertainment, hospitality, and development groups. City of Scottsdale staff stakeholders included Economic Development, Tourism & Special Events, Public Works, Community Services, and Planning. The feedback from the various stakeholders was overall supportive. A common discussion point was the need to make the Old Town bike network safe for all users to support the diverse people that live, work and visit Old Town. This specific feedback was used to adjust the Plan's goals to include safety. Additional feedback reinforced input from the public engagement questionnaire about the need to connect people to/ from and in/ around Old Town Scottsdale. An important discussion point was quantity and quality of implementation. Most of the feedback from the focus groups indicated that quantity of improvements and routes was more important than high quality, yet not at the sake of safety. This helps shape the factors to consider for implementation.

The team has been analyzing the public feedback and identifying infrastructure projects along key corridors. Recommendations will include corridor improvements, wayfinding, and spot improvements at intersections.

**Next Steps:**

The draft master plan will be reviewed by staff in July, followed by an update on the project webpage. The Old Town Bicycle Master Plan will be finalized in early August. Key route recommendations from the plan will be included in the Neighborhood Bikeways portion of the Transportation Action Plan.

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**Contacts:** Susan Conklu, 480-312-2308, [sconklu@scottsdaleaz.gov](mailto:sconklu@scottsdaleaz.gov)

# Old Town Scottsdale Bicycle Master Plan

Transportation Commission  
June 17, 2021



# Project Purpose

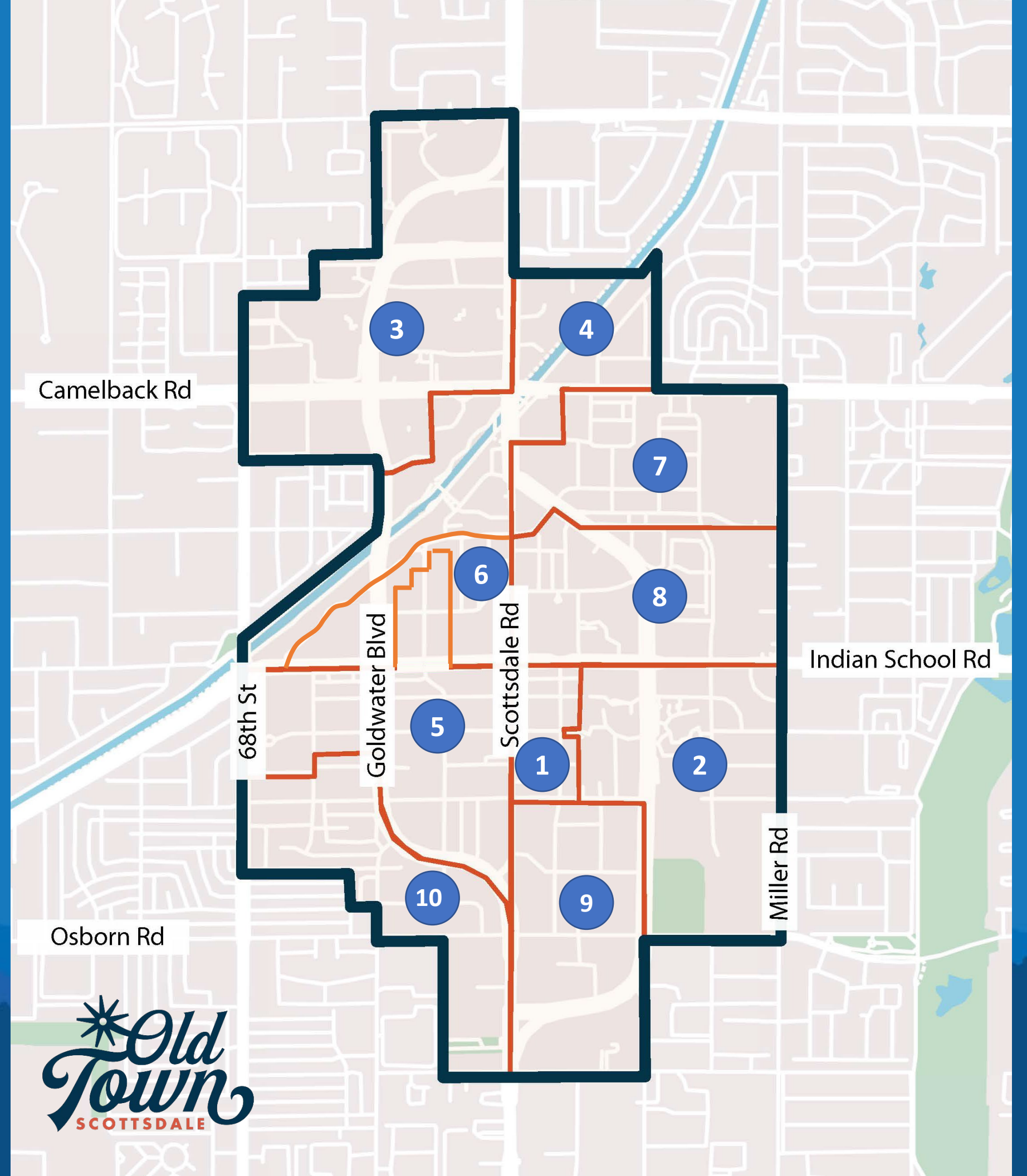
- Identify gaps in the existing bicycle infrastructure within Old Town
- Identify opportunities to improve bicycle connectivity and comfort
- Increase active transportation and promote health and economic benefits





# Project Area

- Old Town
- 10 Districts
  1. Historic Old Town
  2. Civic Center
  3. Scottsdale Fashion Square
  4. Arizona Canal
  5. Scottsdale Arts
  6. Fifth Avenue
  7. Entertainment
  8. Brown & Stetson
  9. Medical
  10. Garden



# Project Goals

1. Provide safe bicycle infrastructure in Old Town
2. Bike facilities should be comfortable – low stress - for all ages and abilities; ridership is mainly for recreation, social, dining, and exercise.
3. Increasing active transportation in Old Town Scottsdale will increase the overall quality of life.
4. Improve on-street facilities in Old Town and increase connectivity to an already strong off-street network.



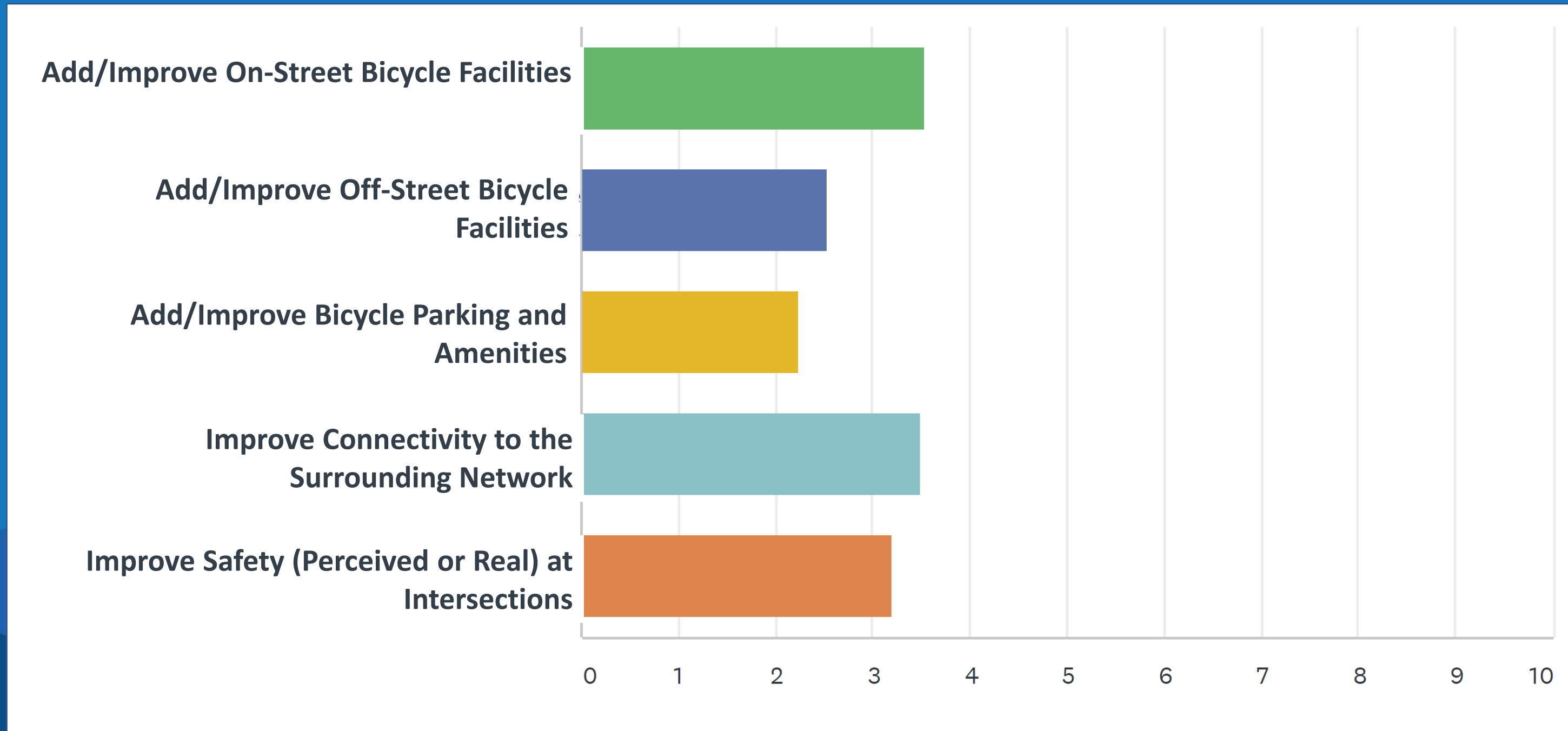
# Virtual Open House #1

- December 15, 2020 – January 5, 2021
- Video Presentation
- Questionnaire
  - 79 Responses



# Public Questionnaire

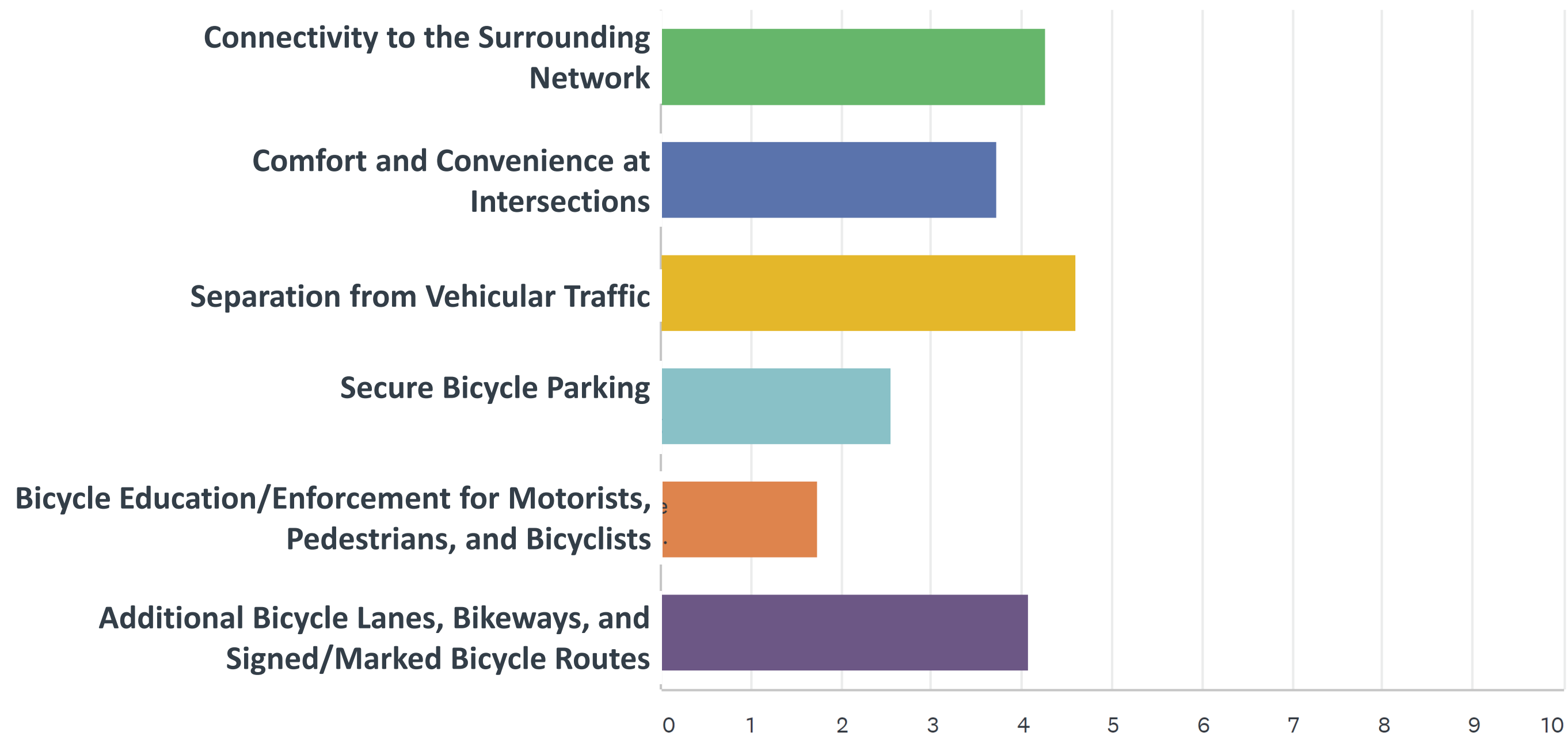
- *What needs to change to increase your bicycle use in Old Town Scottsdale?*





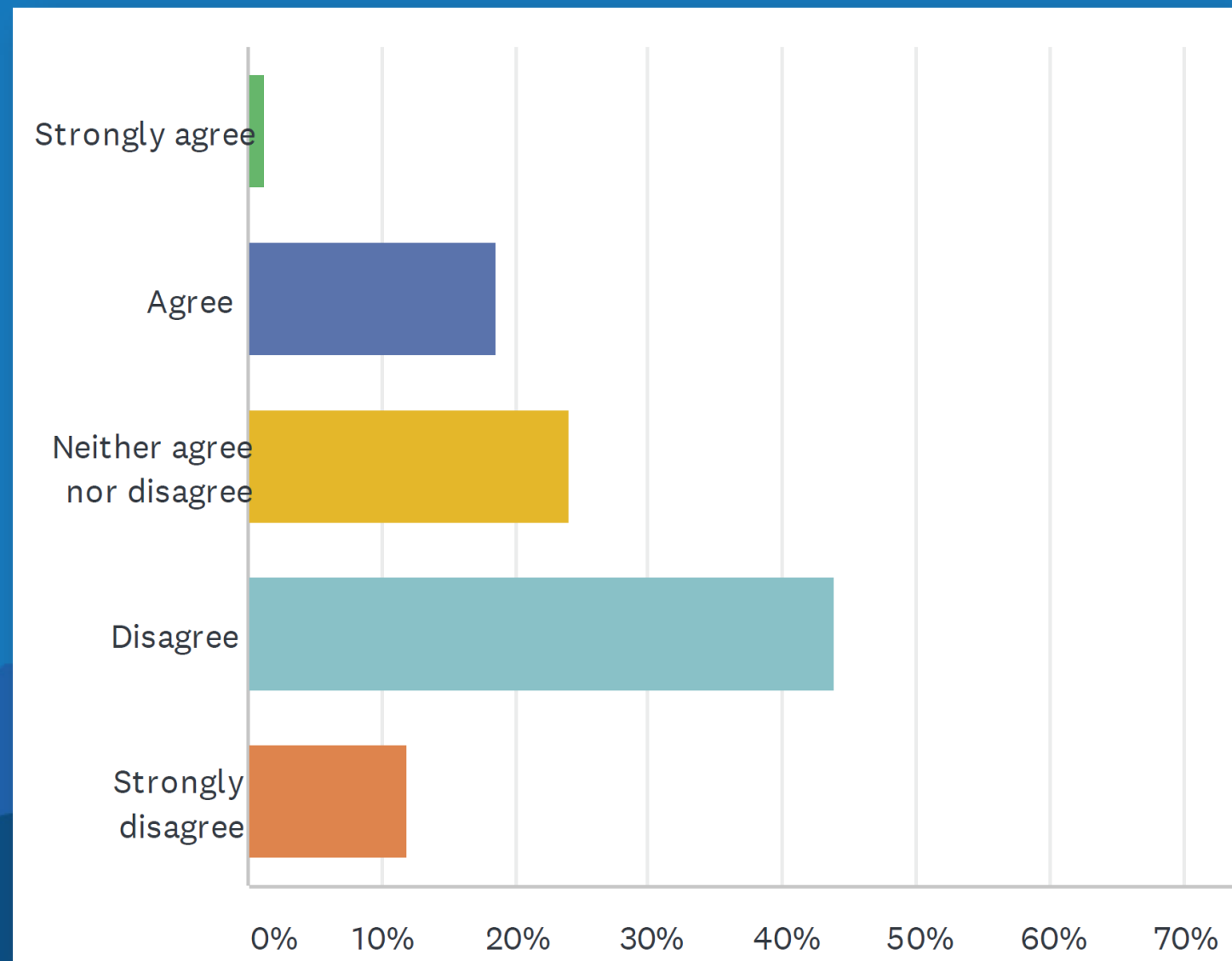
# Public Questionnaire

- *Which of the following improvements would increase your bicycle use in Old Town Scottsdale?*

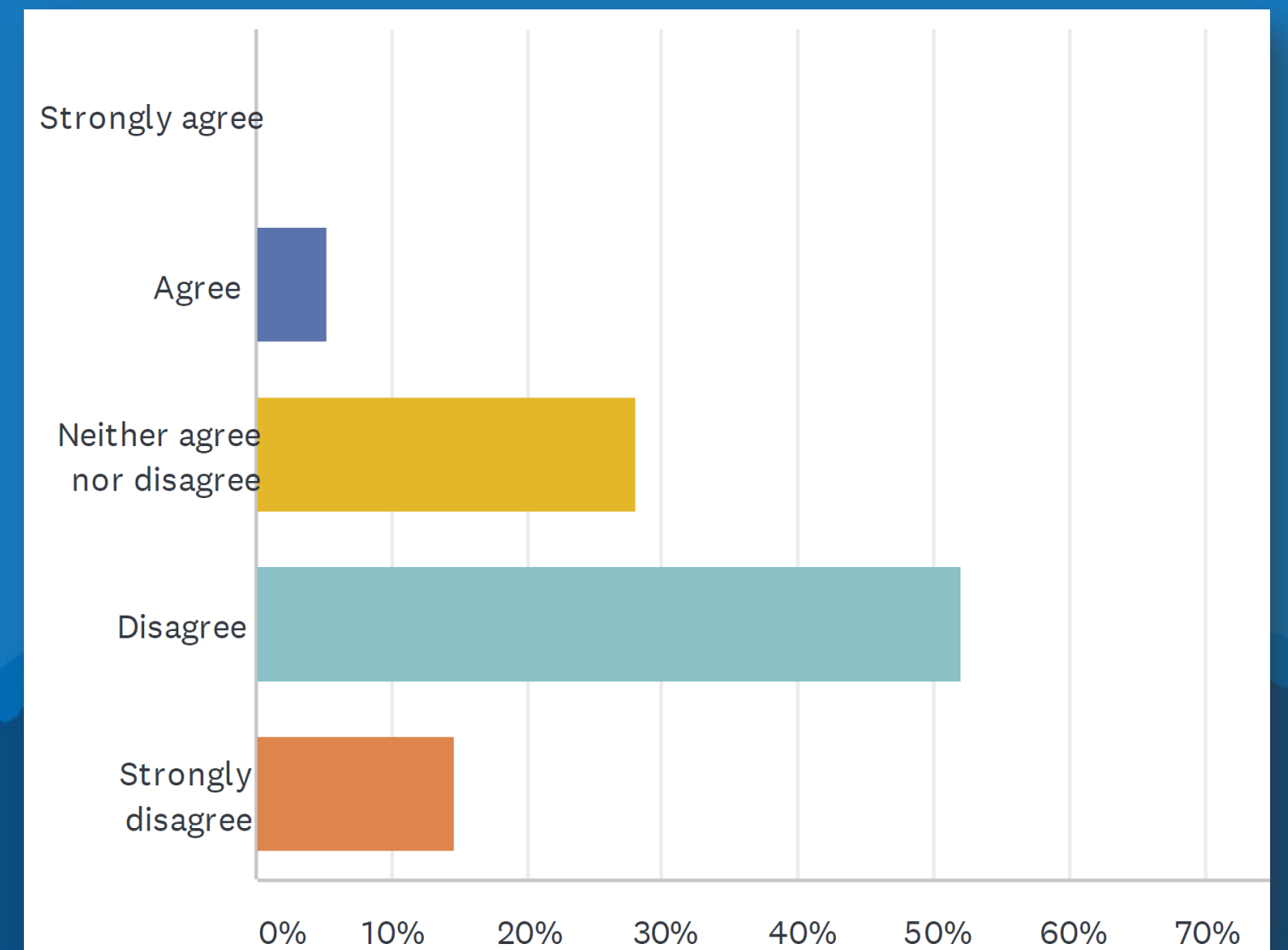


# Public Questionnaire

- *The bicycle connectivity INTO AND OUT OF Old Town is well connected*



- *The bicycle connectivity WITHIN Old Town is well connected*



# Stakeholder Focus Groups

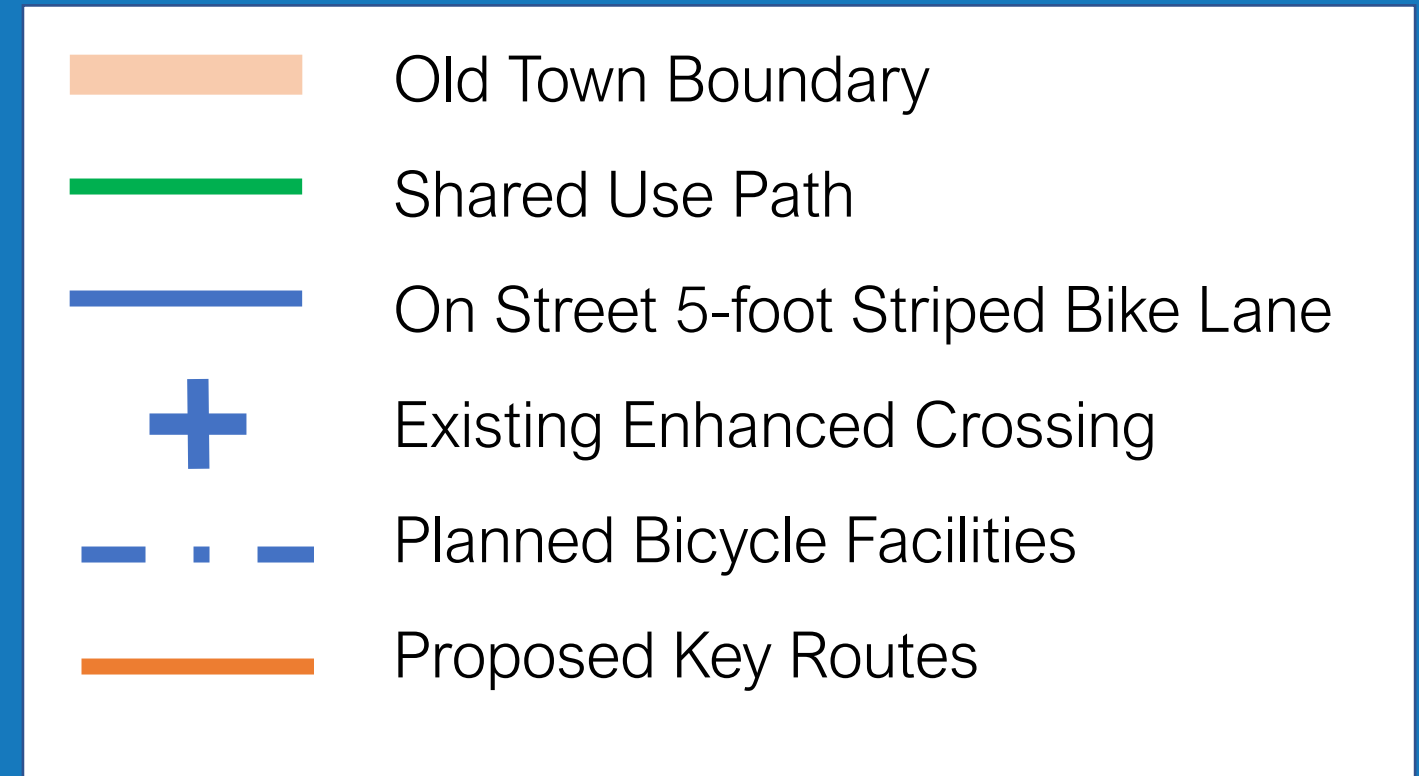
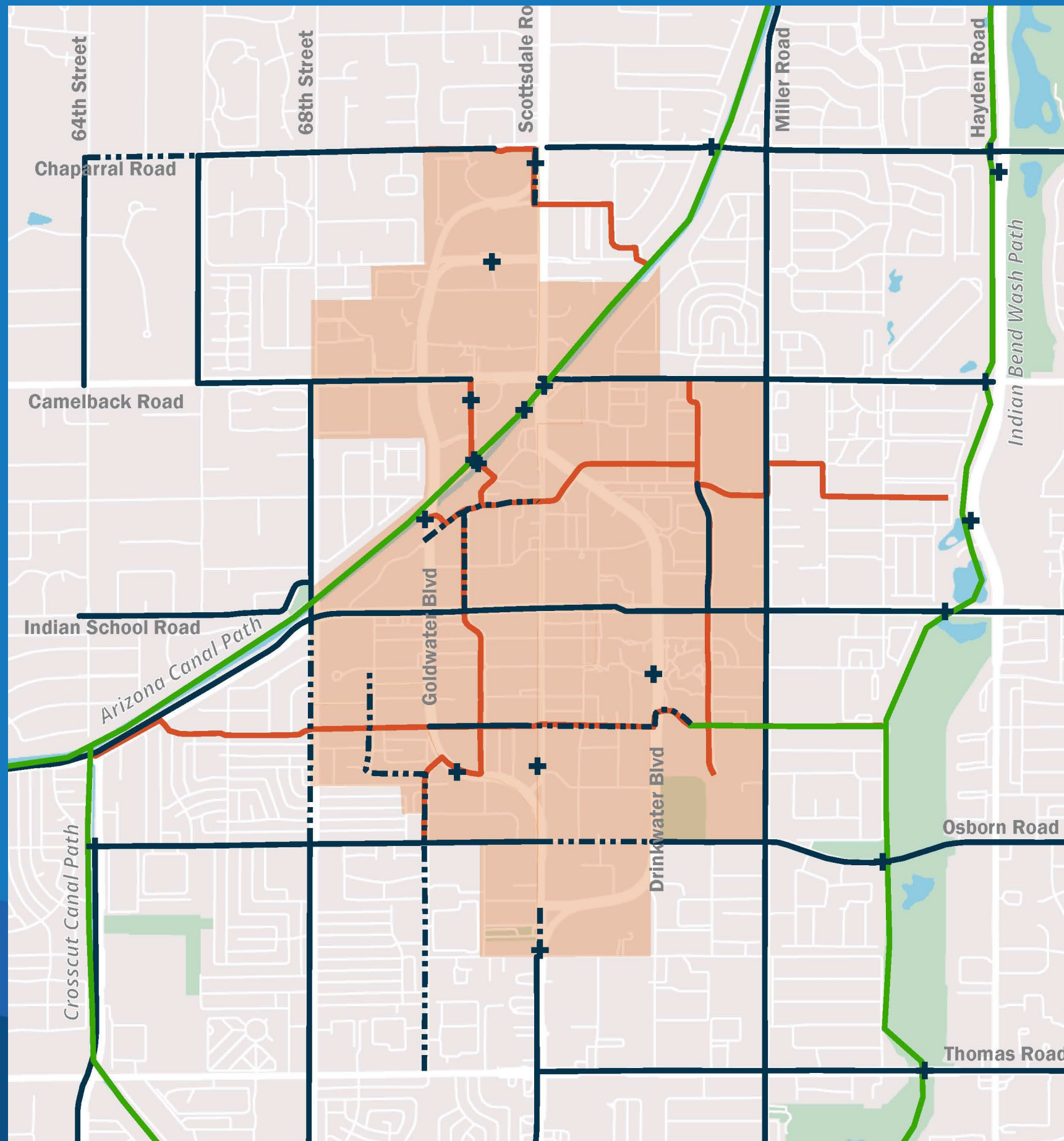
- Three groups of 19 stakeholders
  - A – Bicycle advocacy, small businesses, residential, and employment
  - B – Entertainment, hospitality, and development
  - C – City of Scottsdale staff – Economic Development, Tourism & Special Events, Public Works, Community Services, and Planning
- Three meetings from April 26 – May 11, 2021

# Stakeholder Feedback

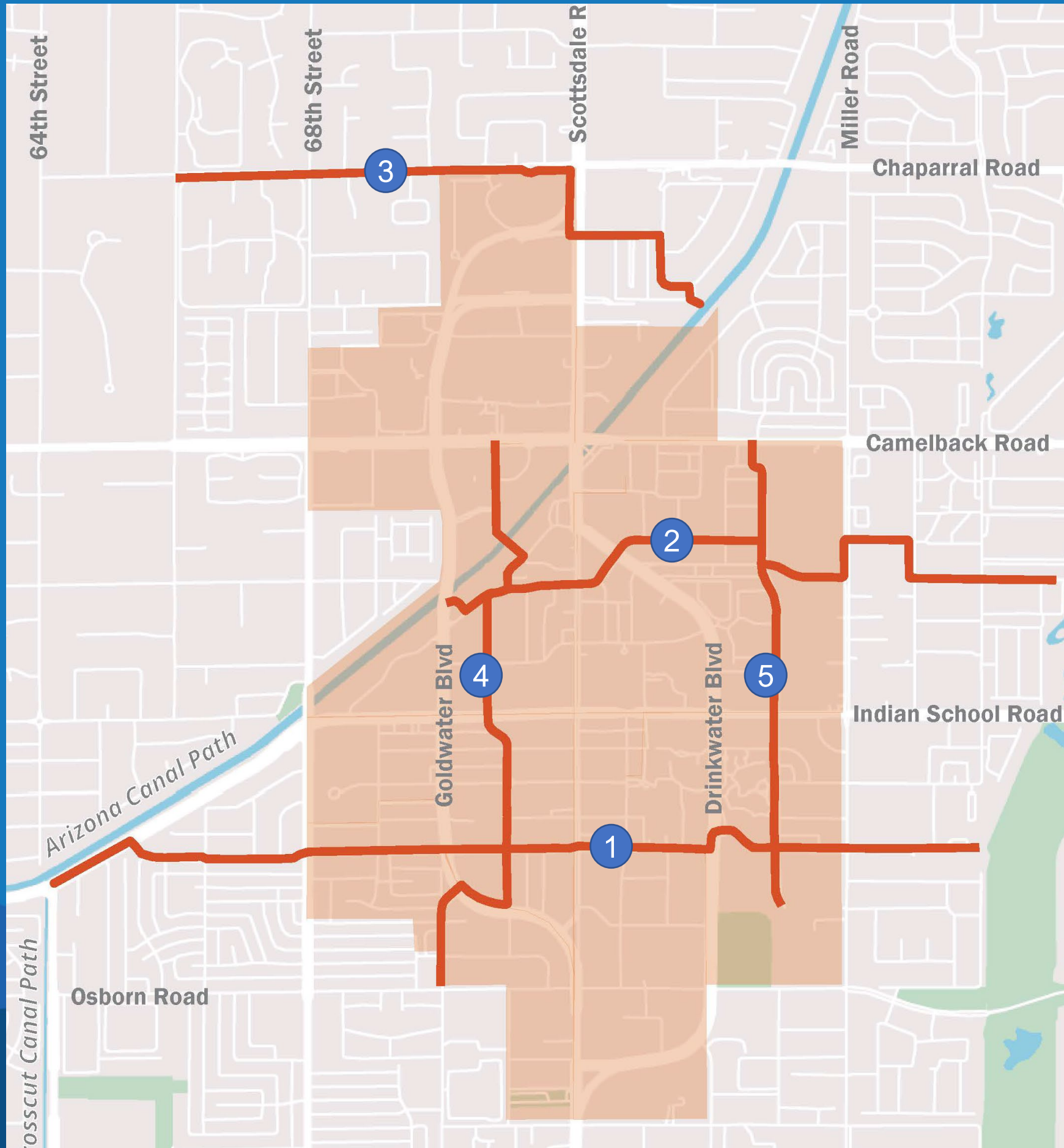
- Overall support for biking in Old Town
- Need to make the Old Town bike network safe for all users to support the diverse people that live, work and visit Old Town
  - Plan's goals adjusted to include safety
- Should connect people to/ from and within Old Town Scottsdale
- Quantity of improvements and routes is important than high quality, yet not at the sake of safety
- Important consideration for implementation



# Existing Conditions, Planned & Proposed Key Routes



# Proposed Key Routes



1. 2<sup>nd</sup> Street from Indian Bend Wash to Cross Cut Canal
2. Glenrosa Street, Montecito Avenue, 6<sup>th</sup> Avenue, Stetson Drive, 5<sup>th</sup> Avenue
3. Chaparral Road and Rancho Vista Drive from 64<sup>th</sup> Street to Arizona Canal
4. 70<sup>th</sup> Street and Marshall Way from Osborn Road to Camelback Road
5. 75<sup>th</sup> Street from 2<sup>nd</sup> Street to Camelback Road



# Visual Examples - Types of Improvements

Neighborhood Bikeway: Design of these bike facilities are specific to the roadway and can include:

## Prioritized Bicycle Travel

Bikeway Pavement Markings



Bike Parking



Traffic Calming



## Traffic Calming

Curb Extensions

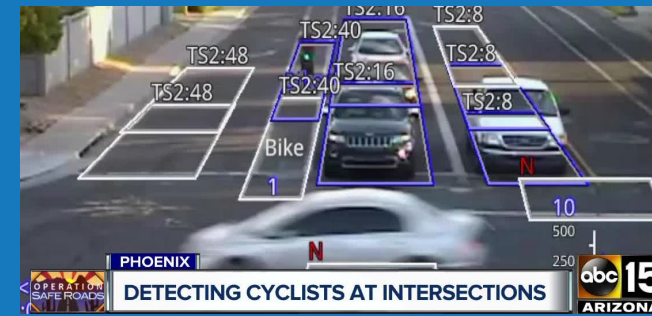


Medians/Diversion

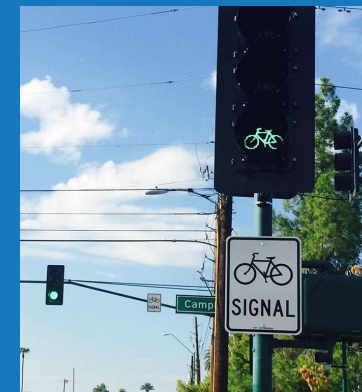


## Safe Crossings

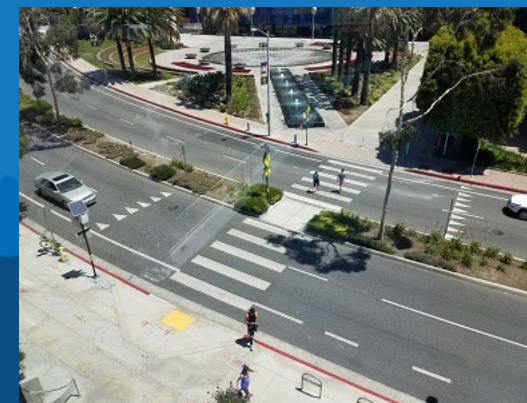
Bike Detection



Bike Signal Prioritization



Enhanced Crossings



## Branding and Signage

Wayfinding Signage



Neighborhood Bikeway Signage



These are visual examples from other places, that could be considered and/or modified in recommendations, depending on factors that will be identified in the design phase.



# Visual Examples - Types of Improvements

### Shared Use Path



### Bike Lane



### Bike Stations

## CORE ELEMENTS

- BICYCLE RACK
- STABLE SURFACE
- WAYFINDING PANEL

## ADDITIONAL FEATURES

- SEATING
- SPACE-DEFINING ELEMENT
- LIGHTING
- LITTER BIN
- SHADE
- FUTURE VENDOR KIOSK
- ADVERTISING PANEL
- DRINKING FOUNTAIN
- REPAIR STATION/AIR PUMP

### Separated/Protected Bike Lane



### Buffered Bike Lane

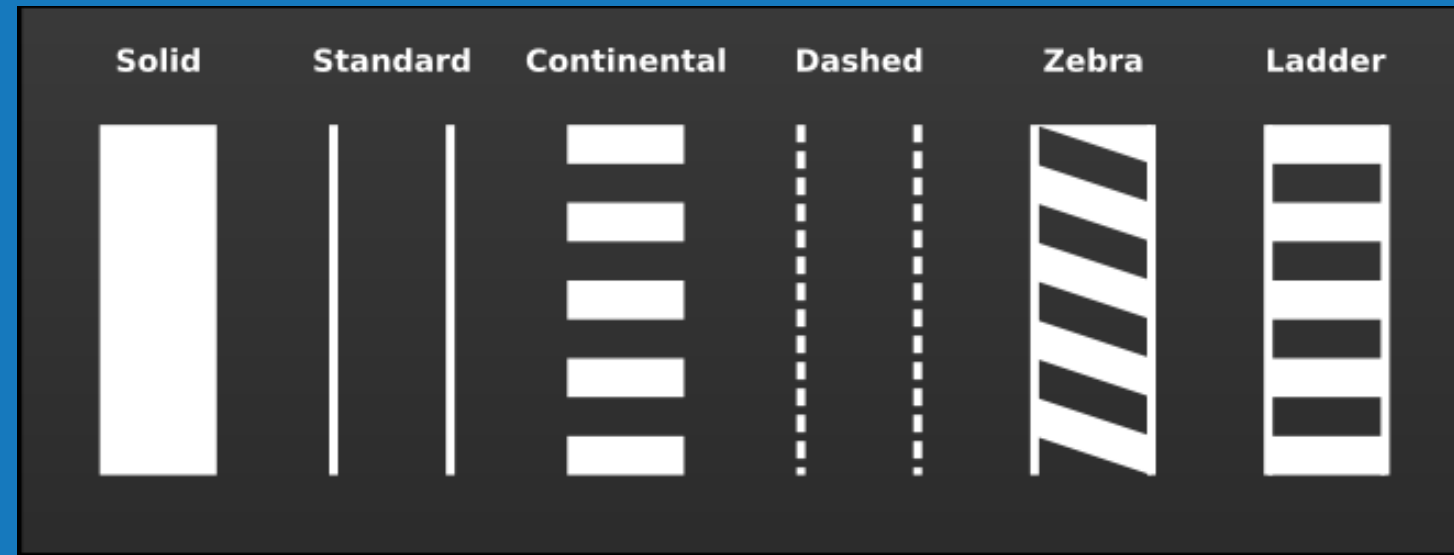


*These are visual examples from other places, that could be considered and/or modified in recommendations, depending on factors that will be identified in the design phase.*



# Types of Improvements

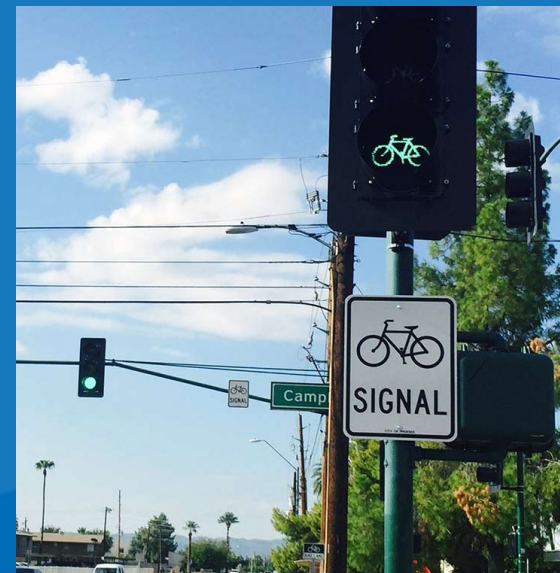
## Enhanced Unsignalized Crossing



## Intersection Improvements



## Enhanced Signalized Crossing



*These are visual examples from other places, that could be considered and/or modified in recommendations, depending on factors that will be identified in the design phase.*



# Next Steps

- July
  - Draft Master Plan
  - Project update on webpage
- August - Final Master Plan
  - Key Route recommendations will be included in Neighborhood Bikeways portion of the Transportation Action Plan

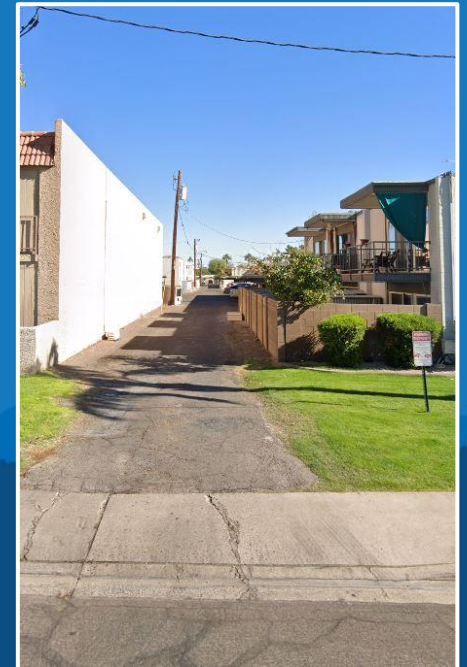
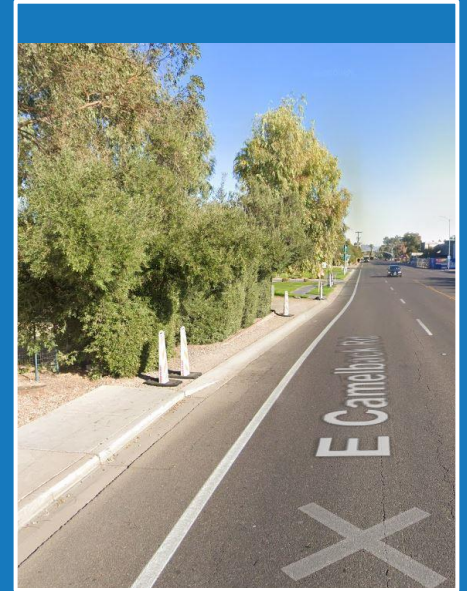
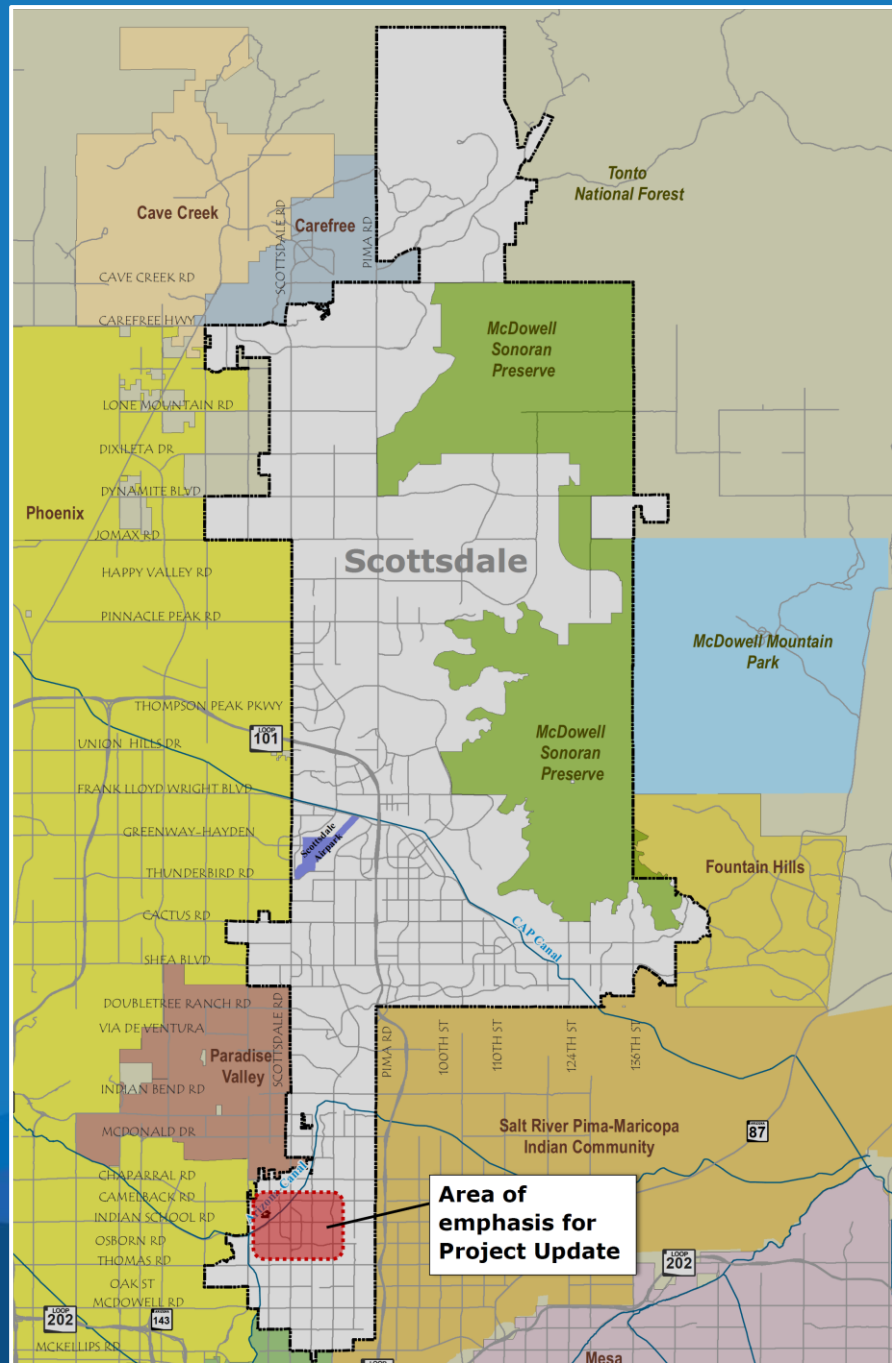


# Discussion

# Projects and Programs Update

Transportation Commission– June 17, 2021

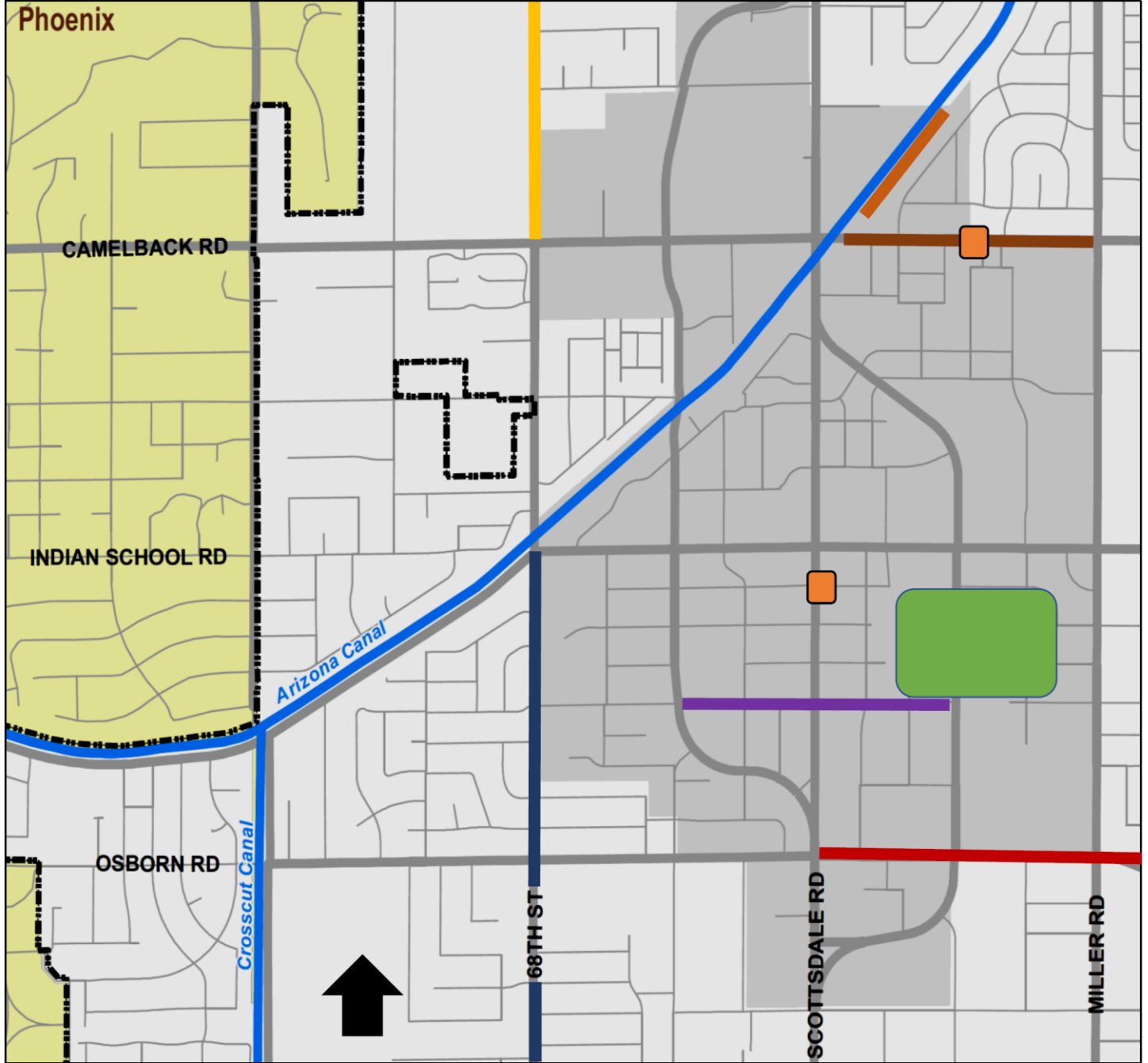






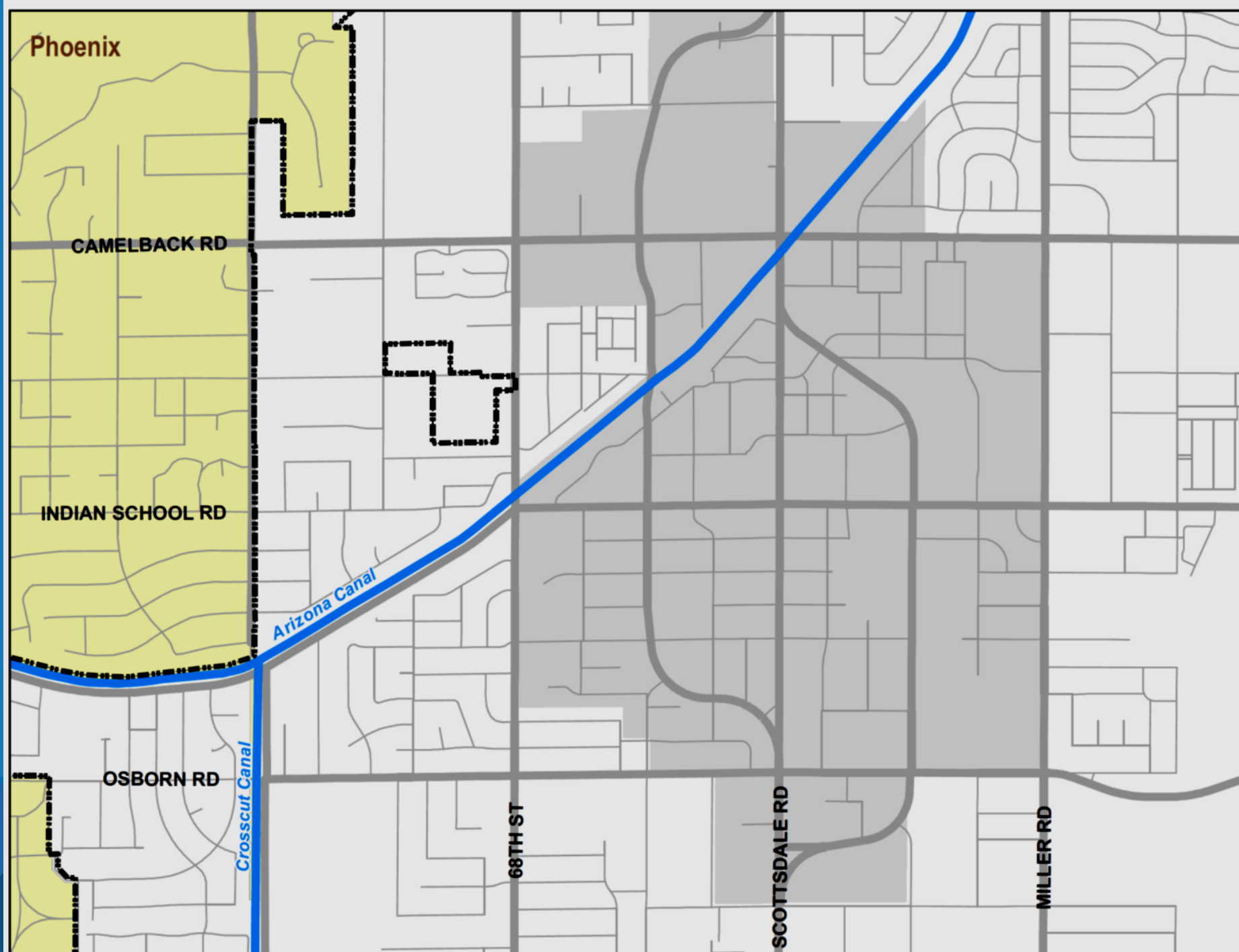
# Transportation Projects (Old Town Area)

-  Paving – Camelback - Chaparral
-  Old Town Bike Master Plan
-  Camelback Road Sidewalks
-  Osborn Road Complete Street
-  68<sup>th</sup> Street Improvements
-  2<sup>nd</sup> Street Improvements
-  Civic Center Master Plan
-  AZ Canal Temporary Path Extension
-  Future Signals
  - Saddlebag/Camelback Rd. HAWK
  - Scottsdale Road and First Ave



## Other Programs in the Old Town Area

- Alley Paving Program
- Streetlight Pole Replacement (ongoing)
- Lighted Intersection Street Signs)
- Cool Paving Pilot Program
- E-Scooters



# TENTATIVE FUTURE AGENDA ITEMS

Rev.6-10-2021

## TRANSPORTATION COMMISSION

### MEETING DATE: July 15, 2021 – Meeting Tentatively Cancelled

### MEETING DATE: August 19, 2021

### REPORTS/PRESENTATIONS DUE August 12

- **Approval of Meeting Minutes** ..... Action  
*Approval of Regular meeting minutes June 17, 2021*
- **Pedestrian Crossing Policy** .....Presentation, Discussion and Possible Action  
*Presentation of the Pedestrian Crossing Policy – Sam Taylor, Traffic Engineer*
- **Other Transportation Projects and Programs Status** .....Information  
*Status of projects and programs – Mark Melnychenko, Transportation & Streets Director*
- **Commission Identification of Future Agenda Items**.....Discussion  
*Commissioners may identify items or topics of interest for future Commission meetings*

### MEETING DATE: September 16, 2021

### REPORTS/PRESENTATIONS DUE September 9

- **Approval of Meeting Minutes** ..... Action  
*Approval of Regular meeting minutes August 19, 2021*
- **Median Opening Analysis**.....Presentation and Discussion  
*Reviewing data for “pork Chop” median openings compared to standard median openings – David Smith, Traffic Engineer Senior*
- **Bicycle and Related Devices Ordinance**.....Presentation, Discussion and Possible Action  
*Presentation of the amended Bicycle and Related Devices Ordinance – Susan Conklu, Senior Transportation Planner*
- **Other Transportation Projects and Programs Status** .....Information  
*Status of projects and programs – Mark Melnychenko, Transportation & Streets Director*
- **Commission Identification of Future Agenda Items**.....Discussion  
*Commissioners may identify items or topics of interest for future Commission meetings*

### FUTURE ITEMS:

- **Miller Road Bridge and Flood Control Project** .....Presentation, Discussion and Possible Action  
*Update on the Miller Road Bridge and Flood Control Project – David Meinhart, Transportation Planning Manager*
- **Loop 101 Mobility Project**.....Presentation and Discussion  
*Kristin Darr, consultant*
- **Impact on Parking**.....Presentation and Discussion  
*Latest parking study, Walter Brodzinski, Right-Way Supervisor*
- **November 2018 Sales Tax Projects**.....Presentation and Discussion  
*Status of Projects funded by November 2018 Additional Sales Tax*
- **Assist Business’ during CIP Construction** .....Presentation and Discussion  
*Discussion on working with local business’ during Capital Improvement Projects – Dave Lipinski, City Engineer*
- **Urban Air Mobility** .....Presentation and Discussion  
*Discuss Urban Air Mobility as Mode of Transportation*
- **Smart City**.....Presentation and Discussion  
*Discussion on the City’s participation in Smart City applications.*
- **New Project Development** .....Presentation and Discussion  
*Project development and how it ties in with Transportation – Phil Kercher, Traffic Engineer & Ops Manager*



- **Vacant Land** .....**Presentation and Discussion**  
*Impact on areas and traffic with new buildings created – Phil Kercher, Traffic Engineer & Ops Manager*
- **Study and Results from Truck Platooning** .....**Presentation and Discussion**  
*Update on Study and Results from Truck Platooning*
- **Electric Car Movement**.....**Presentation and Discussion**  
*Presentation on electric car movement – Hong Huo, Traffic Engineer Principal*
- **Shea and 124<sup>th</sup> Street Underpass** .....**Presentation and Discussion**  
*Update on underpass – Greg Davies, Transportation Planner Senior or David Meinhart, Transportation Planning Manager*
- **Downtown Trolley**.....**Presentation and Discussion**  
*Update on trolley usage – Ratna Korepella*
- **General Plan Update**.....**Presentation and Discussion**  
*Update on general plan – Erin Perreault*
- **Bus Ridership and the Transit System**.....**Presentation and Discussion**  
*Update on bus ridership and the Transit System – Ratna Korepella*
- **Transportation Action Plan** ..... **Action**  
*Presentation of the Transportation Action Plan recommendations - presented by David Meinhart*
- **Transit System Evaluation Recommendations**..... **Action**  
*Presentation of the Transit Plan Evaluation Recommendations – Ratna Korepella*
- **Clever Devices Application on buses** .....**Presentation and Discussion**  
*Discussion of the status of the Clever Devices application that will provide computer aided dispatch a vehicle locator system*
- **Update on MAG Prop 400E** .....**Presentation and Discussion**  
*Update on MAG Prop 400E – MAG staff*
- **Approval and Funding Process of Projects Related to the Transportation Action Plan...****Presentation and Discussion**  
*Discuss the approval and funding process of projects related to the Transportation Action Plan– David Meinhart, Transportation Planning Manager*

## **PATHS & TRAILS SUBCOMMITTEE**

**MEETING DATE: August 3, 2021**

**REPORTS DUE July 27, 2021**

- **Approval of Meeting Minutes** ..... **Action**  
*Approval of Regular meeting minutes of June 1, 2021*
- **Transportation Action Plan**..... **Information**  
*Review draft Bikeways, Trails and Pedestrian elements of the Transportation Action Plan - Susan Conklu, Senior Transportation Planner*
- **Other Transportation Projects and Programs Status**..... **Information**  
*Status of projects and programs – Susan Conklu, Senior Transportation Planner*
- **Subcommittee Identification of Future Agenda Items**..... **Discussion**  
*Subcommittee members may identify items or topics of interest for future Subcommittee meetings*

**MEETING DATE: October 5, 2021**

**REPORTS DUE September 28, 2021**

- **Approval of Meeting Minutes** ..... **Action**  
*Approval of Regular meeting minutes of August 3, 2021*
- **Other Transportation Projects and Programs Status**..... **Information**  
*Status of projects and programs – Susan Conklu, Senior Transportation Planner*
- **Subcommittee Identification of Future Agenda Items**..... **Discussion**  
*Subcommittee members may identify items or topics of interest for future Subcommittee meetings*

### **FUTURE ITEMS:**

- **Civic Center Renovation** ..... **Presentation and Discussion**  
*Update on design and construction of Civic Center renovation project – Susan Conklu, Senior Transportation Planner*
- **Bicycle and Related Devices Ordinance**..... **Presentation and Discussion**  
*Presentation of the amended Bicycle and Related Devices Ordinance – Susan Conklu, Senior Transportation Planner*
- **Wayfinding**..... **Presentation and Discussion**  
*Update on Wayfinding – Susan Conklu, Senior Transportation Planner*
- **Bicycle Education Program** ..... **Presentation and Discussion**  
*Update on Laws and Education – Susan Conklu, Senior Transportation Planner*
- **Bike Month Recap**..... **Presentation and Discussion**  
*Information on Bike Month – Susan Conklu, Senior Transportation Planner*
- **Vision Zero**..... **Presentation and Discussion**  
*Information on Vision Zero (Tempe) – Susan Conklu, Senior Transportation Planner*
- **Equestrian Connectivity** ..... **Presentation and Discussion**  
*Panel – Susan Conklu, Senior Transportation Planner*
- **Access to Indian Bend Wash** ..... **Presentation and Discussion**  
*Better access and how the Parks Dept. can assist. – Susan Conklu, Senior Transportation Planner*
- **Path and Trail Gap Analysis** ..... **Presentation and Discussion**  
*Information on gaps in the citywide path and trails network – Greg Davies, Senior Transportation Planner*