

# CITY OF SCOTTSDALE TRANSPORTATION COMMISSION PATHS & TRAILS SUBCOMMITTEE Notice and Agenda

Date: Tuesday, December 6, 2022

**Time:** 8:30 A.M.

**Location:** One Civic Center Agave Conference Room

7447 E. Indian School Rd Suite 205

Scottsdale, AZ 85251

#### Call to Order

### **Roll Call**

Don Anderson, Chair, Transportation Commission
Kyle Davis, Subcommittee Member
Maryann McAllen - Commissioner, Parks and Recreation Commission
B. Kent Lall, Comimssioner, Transportation Commission
William Levie. Subcommittee Member

One or more members of the Paths & Trails Subcommittee may be attending the meeting by telephone, video, or internet conferencing, pursuant to A.R.S. §38-431(4)

#### **Public Comment**

Spoken comments are being accepted on agendized and non-agendized items. To sign up to speak on these items <u>click here.</u> Request to speak forms must be submitted no later than 90 minutes before the start of the meeting.

Written comments submitted electronically are also being accepted. To be considered, please submit your written Public Comment on an agenda item at least 90 minutes before the meeting's scheduled time to the following link: <a href="https://www.scottsdaleaz.gov/boards/transportation-commission/public-comment">https://www.scottsdaleaz.gov/boards/transportation-commission/public-comment</a>

However, Arizona State Law prohibits the Paths & Trails Subcommittee from discussing or taking action on an item that is not on the prepared agenda.

1.	. Approval of Meeting MinutesApproval of Meeting MinutesA	<b>\ction</b>
	Approval of the Regular Meeting minutes of October 4, 2022	
2.	. Introduction of Commissioner McAllenInform	ation

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Introduction and information from newly appointed Parks and Recreation Commissioner Maryann McAllen – Chair Anderson and Maryann McAllen, Chair and Commissioner

- 4. Other Transportation Projects and Programs Status

  Status of projects and programs Susan Conklu, Senior Transportation Planner
- 6. Adjournment

Persons with a disability may request a reasonable accommodation by contacting Kyle Lofgren at 480-312-7839. 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 PATHS & TRAILS SUBCOMMITTEE

# ONE CIVIC CENTER 7447 E. INDIAN SCHOOL ROAD, SUITE 205 SCOTTSDALE, AZ 85251

## **TUESDAY, OCTOBER 4, 2022**

### **CALL TO ORDER**

The meeting of the Paths & Trails Subcommittee was called to order at 8:30 a.m. A formal roll call confirmed the presence of Subcommittee members as noted below.

## **ROLL CALL**

**PRESENT:** Donald Anderson, Chair – Transportation Commission

William Levie, Subcommittee Member

Kent Lall, Commissioner – Transportation Commission

Kyle Davis, Subcommittee Member

**ABSENT:** Teresa Kim Hayes-Quale, Commissioner – Parks and Recreation Commission

**STAFF:** Susan Conklu, Senior Transportation Planner

Dave Meinhart, Transportation Planning Manager

Kyle Lofgren, Staff Coordinator

### **PUBLIC COMMENT**

There were no public comments.

## 1. APPROVAL OF MEETING MINUTES

Chair Anderson called for modifications and approval of the minutes. One correction was made.

COMMISSIONER LALL MOVED TO APPROVE THE MINUTES OF AUGUST 2, 2022 MEETING AS PRESENTED. SUBCOMMITTEE MEMBER DAVIS SECONDED THE MOTION, WHICH CARRIED 4-0 WITH CHAIR ANDERSON, COMMISSIONER LALL, SUBCOMMITTEE MEMBER DAVIS AND SUBCOMMITTEE MEMBER LEVIE VOTING IN THE AFFIRMATIVE WITH NO DISSENTING VOTES.

# 2. <u>MARICOPA ASSOCIATION OF GOVERNMENTS DESIGN ASSISTANCE</u> APPLICATIONS

Susan Conklu, Senior Transportation Planner, provided an overview of the program. Priority is given to projects with connectivity on the regional network and projects that increase walking and biking. The program provides concept level designs and early public outreach as well as a feasibility study. It is fully funded through MAG and utilizes their on-call consultants. No local match is required. Participation does not ensure funding for future design and construction.

For Fiscal Year 2023, Scottsdale submitted two projects, including:

- 64th Street Crossing Study at Thomas and Indian School Roads
- Central Arizona Project Canal/100th Street Path

Specific project details, scoring, approval process and next steps were reviewed. MAG's prioritized project listing includes the 64th Street Crossing Study at Thomas and Indian School Roads. Final approval of the prioritized project listing was given at the September 28, 2022 Regional Council Meeting. The Central Arizona Project Canal fell below final cutoff for available funding. The City will work with MAG to select a consultant for the 64th Street Crossing Study. Projects not selected are eligible to apply for closeout funding with a 20 percent match requirement.

Chair Anderson inquired as to the cost for the 64th Street design. Ms. Conklu said that the full cost estimate is not known at this time.

Chair Anderson referenced the 100th Street project and asked about the City's intent to move forward with MAG funding. Dave Meinhart, Transportation Planning Manager, said it is a fairly high priority project and he believes the City would attempt to find the funds necessary to get a conceptual design underway. The project could also be resubmitted to MAG next year, and as it nearly made the cut this time around, chances are good that funding would be provided.

Subcommittee Member Davis asked whether scrambles will be considered. Ms. Conklu said that Traffic Engineering has indicated that there is not sufficient volume to have scrambles. Mr. Meinhart stated that this was discussed during the initial study, however, due to operational challenges with traffic, it was not pursued.

### 3. THUNDERBIRD TRAIL

Ms. Conklu provided a brief background on the project, which was included in the 2022 Transportation Action Plan trail elements. It is located at the north side of Thunderbird Road from 76th Street to 83rd Street within City right-of-way. It connects to existing trails along Thunderbird Road, Northsight Park and Loop 101.

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The project is in line with the following goals:

- Goal TR-1 Develop an effective and connected multi-modal transportation system with the integration of trails
- Goal TR-3 Provide improved trail connectivity within neighborhoods and access to schools and parks

A review of Phase 1 and Phase 2 of the trail was provided and photographs were reviewed.

In response to a question from Chair Anderson, Ms. Conklu confirmed that there is a channel north of the trail that lies outside of the right-of-way. It is maintained by property owners to the north and there is no access from commercial onto the trail.

Ms. Conklu stated that public notification letters were issued in March and September. Staff recommends moving forward with construction of the current trail design when the City's on-call contractor has availability. The Transportation Commission will receive this update at its November 17th, 2022 meeting.

Subcommittee Member Levie asked about consideration for connecting the trails on the west and east side of Hayden. Mr. Meinhart said this has been discussed. Ramps are being constructed to improve access in the area. There must be enough demand to warrant action. The first step would be a rapid flashing beacon and crosswalk. Discussion ensued regarding specific widths and parameters of various trail locations as well as equestrian access and right-of-way details.

SUBCOMMITTEE MEMBER LEVIE MOVED TO RECOMMEND MOVING FORWARD WITH THE CURRENT TRAIL DESIGN AS IT IS AND BRING THE RECOMMENDATION FORWARD TO THE TRANSPORTATION COMMISSION. SUBCOMMITTEE MEMBER DAVIS SECONDED THE MOTION, WHICH CARRIED 4-0 WITH CHAIR ANDERSON, COMMISSIONER LALL, SUBCOMMITTEE MEMBER DAVIS AND SUBCOMMITTEE MEMBER LEVIE VOTING IN THE AFFIRMATIVE WITH NO DISSENTING VOTES.

### 4. OTHER TRANSPORTATION PROJECTS AND PROGRAM STATUS

Ms. Conklu, Senior Transportation Planner, provided updates on the following programs and projects:

- Indian Bend Wash Path Renovation
- Osborn Road Complete Street
- 68 Street Complete Street: Thomas Road to Indian School Road

## 5. SUBCOMMITTEE IDENTIFICATION OF FUTURE AGENDA ITEMS

The following topics were identified for future agenda items:

- Location for protected bike lane
- Grant overview
- Trail maintenance outreach update
- Vision Zero

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• Equestrian connectivity

## 6. <u>ADJOURNMENT</u>

With no further business to discuss, being duly moved by Subcommittee member Davis and seconded by Subcommittee Member Levie, the meeting adjourned at 9:34 a.m.

AYES: Chair Anderson, Subcommittee Member Davis, Commissioner Lall, Subcommittee Member

Levie

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 <a href="http://www.scottsdaleaz.gov/boards/Transp.asp">http://www.scottsdaleaz.gov/boards/Transp.asp</a>

#### SCOTTSDALE PATHS AND TRAILS SUBCOMMITTEE REPORT

To: Paths and Trails Subcommittee

From: Nathan Domme, Senior Transportation Planner Subject: Protected Bike Lane Pilot Project Location

Meeting Date: December 6, 2022

## ITEM IN BRIEF

**Action:** Presentation and action

## Purpose:

Provide information to the Paths and Trail Subcommittee on a recommended location for a protected bike lane pilot project.

## **Background:**

During the development of the 2022 Transportation Action Plan (TAP), the Transportation Commission and the City Council determined that enhancing safety and testing new concepts/technology was the third highest priority for future transportation system investments. A regularly used method for testing new ideas is the development of pilot projects. Staff has identified three potential locations to consider for implementing a pilot project that uses a moderate physical barrier to further buffer/protect cyclists using on-street bike lanes. Protected bike lanes can also support the TAP's goal of becoming a Platinum Level Bicycle Friendly Community by creating on-street cycling facilities that would be considered functional for a wider range of cycling abilities.

#### Information:

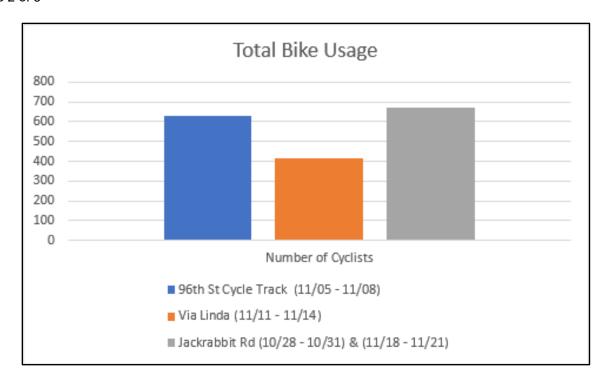
Staff from the Traffic Engineering and Transportation Planning sections worked together to identify three potential roadway segments for a protected bike lane pilot project. The three locations are:

- 1) 96th Street two-way, on-street cycle track Thunderbird Road to Redfield Road
- 2) Via Linda Bike Lanes- Via de Ventura to Hayden Road
- 3) Jackrabbit Road Bike Lanes Miller Road to Hayden Road

To assist in identifying the preferred pilot project location, staff collected data utilizing the city's two portable path counters. The counter tubes can be attached to sign posts and placed across bike lanes. Counts were taken on four full days (96 hours) that included both weekend days. Counts were taken in both directions on each of the three segments.

Data for the 96<sup>th</sup> Street cycle track was collected November 5-8. Data for Via Linda was collected November 11-14. The Jackrabbit Road data was collected eastbound October 28-31, and the westbound data was collected November 18-21, due to an issue with tube length on our second counter during the October 28-31 placement. Staff had previously reviewed data from our permanent counters to confirm that ridership in late October is consistent with usage during November. The graph below shows total usage for the four-day periods (including consecutive weekend days) at each location.





## **Preferred Location and Implementation Approach:**

Staff supports Jackrabbit Road as the pilot location for protected bike lane installation. This preference is based on several factors:

- 1) Usage was the highest, based on tube counts.
- 2) This roadway segment connects the Indian Bend Wash Path and the Arizona Canal Path (both classified as Primary Paths in the TAP).
- 3) Jackrabbit Road is the designated as a Neighborhood Bikeway in the TAP, and this segment is only portion of the bikeway that has a speed limit above 25 miles per hour.
- 4) There are existing concerns about vehicular speeds in this corridor.
- 5) Staff is assessing options to improve pedestrian access at the Miller Road/Jackrabbit road curved intersection.

If approved by the Path & Trails Subcommittee and the Transportation Commission, the next step would be work with Paving and Traffic Engineering staff to determine the best method and timing to install painted buffers.

Once the painted buffers are in place for a period of time, staff would take new bicycle counts and speed measurements prior to installing the physical barriers. This would allow for comparison to the existing condition. Research on the physical barrier type would also be completed during this phase. Since other communities in the region have already installed protected bike lanes in limited locations, staff will have on the ground examples to review. As an example, both Phoenix and Mesa are now using flexible green posts with typical 20' spacing after experimenting with other types of bollards and curbing. A photo of an example from downtown Phoenix on Fillmore Street is provided below.

Path & Trails Subcommittee: December 6, 2022 Protected Bike Lane Pilot Project Location Page 3 of 3



Counts and speed measurements would be taken again after the barriers have been in place for a reasonable period of time to assess any changes in usage and driver behavior that might be attributable to the barriers. Any impacts related to roadway maintenance would also be assessed. There is available budget in the Buffered Bike Lanes Phase I CIP project to fund the pilot.

## Recommendation:

Recommend that the Transportation Commission approve the selection of Jackrabbit Road between Miller Road and Hayden Road as the preferred location for a protected bike lane pilot project.

## **Continuing Steps:**

Presentation to the Transportation Commission in early 2023.

Staff Contact: Nathan Domme, 480-312-2732, <a href="mailto:ndomme@scottsdaleaz.gov">ndomme@scottsdaleaz.gov</a>

# **Protected Bike Lane Pilot Project Location**

Path & Trails Subcommittee December 6, 2022



# **Transportation Action Plan Guidance**

- TAP Guiding Policy
  - Transportation Network shall maximize travel route choices, travel mode choices, and access and mobility for all ages and abilities
- Bicycle Element
  - Goal to Achieve Platinum Level in the Bicycle Friendly Community Program
- Implementation Program
  - Testing New Concepts and Technology is 3<sup>rd</sup> highest priority for Transportation investments



# Why consider protected bike lanes

- Can expand range of ages and abilities willing to ride bikes on the street
  - Increased comfort level
  - "Interested but concerned"
- Already in use in other communities around the region and country
- Increased safety for both cyclists and pedestrians

# **BICYCLIST DESIGN USER PROFILES**

## Interested but Concerned

51%-56% of the total population

Often not comfortable with bike lanes, may bike on sidewalks even if bike lanes are provided; prefer off-street or separated bicycle facilities or quiet or traffic-calmed residential roads. May not bike at all if bicycle facilities do not meet needs for perceived comfort.

## Somewhat Confident

5-9% of the total population

Generally prefer more separated facilities, but are comfortable riding in bicycle lanes or on paved shoulders if need be.

## Highly Confident

4-7% of the total population

Comfortable riding with traffic; will use roads without bike lanes.



LOW STRESS TOLERANCE HIGH STRESS

# What is a protected bike lane



- Features
  - Minimum 5' bike lane preferred
  - Minimum 2.5' painted buffer preferred
  - Physical barrier
- Lateral separation plus the raised physical feature provides additional comfort to the bicyclist and more information for drivers

- Example from downtown Phoenix Fillmore Street
- Scottsdale's barrier choice to be determined



# **Implementation Steps**

- 1. Identify potential locations and count current bike usage
- 2. Install painted buffered bike lane at preferred location
- 3. Count bike usage again to determine buffered bike lane impact
  - a) Counts performed after acclimation period
- 4. Determine barrier type
- 5. Install barriers
- 6. Count bike usage after installation to determine additional impact
  - a) Counts performed after acclimation period
- 7. Assess maintenance impacts
- 8. Make recommendations on future use or possible removal
- 9. Template for implementation of similar safety improvements



# **Candidates for Protected Bike Lane Pilot**

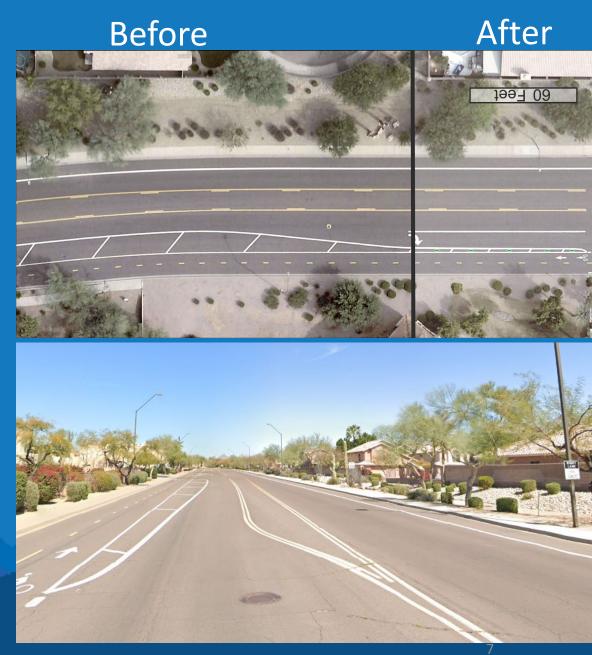
- 96th Street two-way, on-street cycle track Thunderbird Road to Redfield Road
- Via Linda Bike Lanes Via de Ventura to Hayden Road
- Jackrabbit Road Bike Lanes Miller Road to Hayden Road
- Selection Process
  - Fewer conflicts with driveways and side streets
  - Existing bike infrastructure
  - Strong bike network connections
  - Known bike usage



# 96<sup>th</sup> Street two-way cycle track Thunderbird to Redfield

- Concept Features
  - 65' of existing pavement
  - 12' foot travel lanes but varies
  - 12' two-way cycle track
  - 2.5' 10' painted buffer
  - Physical barrier in existing painted buffer

4-Day Bicycle Count = 627



# Via Linda Bike Lanes Via de Ventura to Hayden

- Concept Features
  - 37' of existing pavement
  - 11' foot travel lanes
  - 5' bike lane
  - 2.5' painted buffer
  - Physical barrier

4-Day Bicycle Count = 414





# Jackrabbit Road Bike Lanes Miller to Hayden

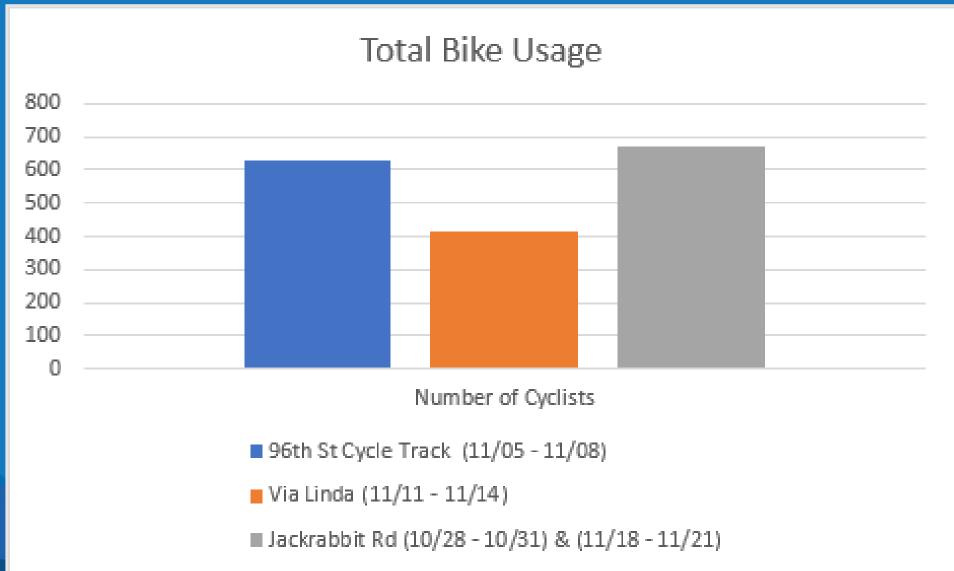
- Concept Features
  - 37' curb to curb
  - 11' foot travel lanes
  - 5' bike lane
  - 2.5' painted buffer
  - Physical barrier

4-Day Bicycle Count = 674





# Count Comparison – 2 Weekdays plus Weekend



# **Proposed Pilot Project Location**

- Jackrabbit Road Miller to Hayden
  - Highest bike counts
  - Connects Indian Bend Wash Path with Arizona Canal Path
    - Both paths designated as Primary in the TAP
  - Designated Neighborhood Bikeway
  - Only segment of corridor with speed limit above 25 mph
  - Concerns about vehicular speeds in this corridor
  - Staff is assessing options to reduce speeds and improve pedestrian access at the Miller Road/Jackrabbit intersection





# Staff Recommendation to Path & Trails Subcommittee

 Recommend that the Transportation Commission approve the selection of Jackrabbit Road between Miller Road and Hayden Road as the preferred location for a protected bike lane pilot project



# **Projects and Programs Update**

Paths & Trails Subcommittee December 6, 2022



# **Thunderbird Trail Update**

- Transportation Commission approved moving forward with construction on 11/17/22
- Second phase planned for construction in winter 2023
  - Hayden Road to 83<sup>rd</sup> Street
  - Include curb ramps: Hayden
     Road, 81<sup>st</sup> Street and 83<sup>rd</sup> Street





# **Indian Bend Wash Path Improvements**

- Coordinated with Bond 2019 Projects
  - Bell/94<sup>th</sup> Sports Complex
    - Powerline alignment
  - WestWorld Sports Fields
    - Increase elevation of path to reduce ponding
    - Add new connection to Thompson Peak Parkway











# Redfield Road Bike Lanes/Complete Street

- Part of Airpark area Arterial Life Cycle
   Program Improvements
  - New minor collector cross section from 76<sup>th</sup> Place Roundabout to Hayden Road





# **Shared Use Path Striping**

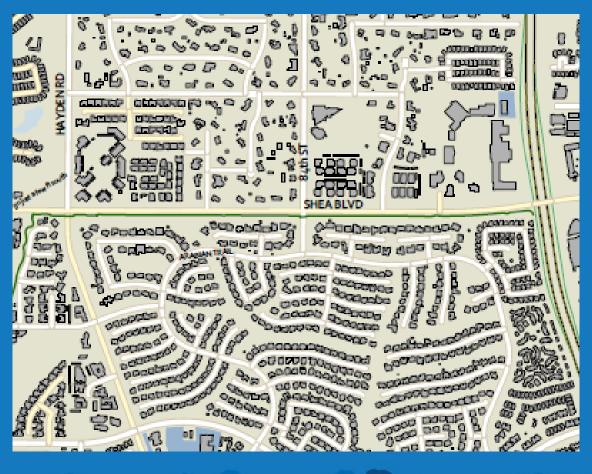
- Four areas 3.5 miles total
  - McDowell/Miller/Culver/75th
  - Shea Boulevard west of Loop 101
  - Horizon Park/CAP Canal bridge
  - Pima Road north of Thompson Peak Parkway
- Work performed by Transportation & Streets staff
  - Signing and Markings group



# McDowell Road Vicinity



# Shea Boulevard







# Horizon Park



Pima Road

**Path Striping location maps** 











Shea Blvd east of Hayden



# Bike Lane Improvement Stats for 2022

- New
  - 2.6 lane miles
- Buffered
  - 3.5 lane miles
- Widened
  - 15.2 miles







- 19 separate roadway segments (primary intersection to primary intersection)
- All but 0.8 miles were coordinated through the annual Paving Program

# **MAG Design Assistance – Closeout Funding Request**

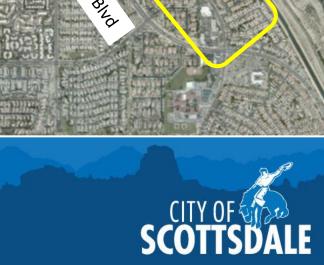
Central Arizona Project Canal/ 100<sup>th</sup> Street Path



Photo 1: 100<sup>th</sup> Street near Horizon Park with Indian Bend Wash Path connection, looking east.

Photo 2: 100th Street at Thompson Peak Parkway looking west showing multi-family housing.





# Thank you. Questions?



## TENTATIVE FUTURE AGENDA ITEMS

Rev.10-04-2022
\*All Items Subject to Change\*

# TRANSPORTATION COMMISSION

MEETING DATE: December 15, 2022	REPORTS/PRESENTATIONS DUE December 8			
In lieu of the December 15, 2022 Transportation C	Information Commission Public Meeting, TMC staff will provide an inter to the Commission. There will be a quorum. — Hong			
MEETING DATE: January 19, 2023	REPORTS/PRESENTATIONS DUE January 12			
Approval of Meeting Minutes	Action			
Approval of Regular meeting minutes November 17	7, 2022			
• Jackrabbit Road Crossing Improvements	Discussion and Possible Action			
Kiran Guntupalli, Principal Traffic Engineer	road crossing improvements on Jackrabbit Road –			
<b>U</b>	Information			
Update on current projects and programs – Mark I	Melnychenko, Transportation & Streets Director			
FUTURE ITEMS:				
INFORMAT	TON ITEMS			
Urban Air Mobility	Information			
Information on Urban Air Mobility as Mode of Tra				
	Information			
Information on the electric car movement – Hong I				
	Information			
Update on underpass – Susan Conklu, Senior Tran	•			
Federal Highway Administration's Safety Count Update on the FHWA's new safety countermeasure Transportation Planning Manager	ermeasuresInformation es for pedestrians and bicycles – Dave Meinhart,			
	Information			
Traffic Engineer	roadway improvements – Kiran Guntupalli, Principal			
Update on Traffic Safety				
Guntupalli, Principal Traffic Engineer	ian and automobiles in the city of Scottsdale – Kiran			
1	Information			
Information on the results from Cool Paving – Sha				
Update from Valley Metro's New CEO	Information			
	Valley Metro – Jessica Mefford-Miller, Valley Metro			
	Information			
Information on the fiscal impact that distracted dri decisions – Mark Melnychenko, Transportation o				
TRANSPORTATION & STREETS DEPARTMENT ACTIVITIES				
Loop 101 Mobility Project	Presentation and Discussion			

	Discuss USA's Transportation Research Department regarding connected vehicle technology -Kristin
	Darr, consultant and Mark Melnychenko, Transportation & Streets Director
•	Impact on ParkingPresentation and Discussion
	Latest parking study, Walter Brodzinski, Right-Way Supervisor
•	Smart CityPresentation and Discussion
	Discussion on the City's participation in Smart City applications as well as ITS strategic plan and ITS vehicle detection – Hong Huo, Traffic Engineer Principal
•	Alternate Modes of TransportationPresentation and Discussion
	Discuss alternative modes of transportation including electric bicycles, scooters, and pedestrian improvements – Susan Conklu, Senior Transportation Planner
•	Bus Stop Lighting
	Discuss future plans to light bus stop shelters – Ratna Korepella, Transit Manager
•	Expanding Maintenance NeedsPresentation and Discussion
	Maintenance of current infrastructure – Mark Melnychenko, Transportation & Streets Director
•	Noise WallsPresentation, Discussion and Possible Action
	Discuss noise wall locations, including FHWA DBE levels – Mark Melnychenko, Transportation & Streets Director
•	Linking the Five-Year Paving Plan to Restriping EffortsPresentation and Discussion
	Discussion around linking the five-year paving plan and restriping along with the Transportation Action Plan (TAP) – Shayne Lopez, Paving Manager
	2020 Traffic Volume and Collision Manual
•	Summarize the information in the recently published 2020 Traffic Volume and Collision Manual – Kiran
	Guntupalli, Traffic Engineer Principal and Parker Murphy, Traffic Engineer
•	No Engine Braking Ordinance Update
	, 11
_	Engineering and Ops Manager and Walt Brodzinski, Right-of-Way Manager
•	Sensagrate Pilot ProjectPresentation and
	Discussion  Discussion
	Discuss Sensagrate Pilot Project in Scottsdale and how the results can be utilized – Darryl Keeton,
	Sensagrate
•	Leading Pedestrian Interval Policy
	Discuss Leading Pedestrian Interval Policy and how the city applies it – Hong Huo, Traffic Engineer Principal
•	Roundabout EducationPresentation and Discussion
	Discuss benefits of Roundabouts and how success is evaluated – Phil Kercher, Traffic Engineer & Ops Manager
•	Speed Limit Study Update ProjectPresentation and Discussion
	Present Traffic Engineering's recent effort to update speed limit studies in Scottsdale- Phil Kercher, Traffic
	Engineering and Ops Manager and Kiran Guntupalli, Traffic Engineer Principal
•	Neighborhood Bikeway Prioritization CriteriaDiscussion and Possible Action
	An update to the Neighborhood Bikeway Prioritization Criteria after induction – Nathan Domme, Senior Transportation Planner
PA	THS & TRAILS SUBCOMMITTEE
<u>ME</u>	ETING DATE: February 7, 2022 REPORTS/PRESENTATIONS DUE January 31
	Approval of Meeting Minutes
•	Approval of Regular meeting minutes of December 6, 2022
	The IM statement Outroom December 0, 2022

## **FUTURE ITEMS:**

## **INFORMATION ITEMS**

## TRANSPORTATION & STREETS DEPARTMENT ACTIVITIES