

**PUBLIC MEETING AGENDA**

**Transportation Commission**

**REVISED**

**MEETING DATE**

Tuesday, August 8, 2023 from 7:30 to 9 a.m.

**MEETING LOCATIONS**

**WebEx**

<https://tempe.webex.com/tempe/j.php?MTID=m98ad75ddc86c073d82e981d50001d41d>

Join by phone +1-408-418-9388 United States Toll

Access code: 2493 897 7632

Webinar password: dbBWVW7Sj39 (32298977 from phones and video systems)

**AND**

**In Person**

Tempe Transportation Center  
 Don Cassano Community Room  
 200 E. Fifth Street, 2<sup>nd</sup> floor  
 Tempe, Arizona, 85281

AGENDA ITEM	PRESENTER	ACTION or INFORMATION
<b>1. Public Appearances</b> The Transportation Commission welcomes public comment for items listed on this agenda. There is a three-minute time limit per citizen.	Amanda Nelson, Commission Chair	Information
<b>2. Approval of Meeting Minutes</b> The Commission will be asked to review and approve meeting minutes from the June 13, 2023 meeting.	Amanda Nelson, Commission Chair	Action
<b>3. Crime Prevention Through Environmental Design</b> Staff will make a verbal presentation about the city's effort to incorporate crime prevention tactics in development projects.	Drew Yocom, Community Development	Information
<b>4. Update on Length of Yellow Lights and Flashing Yellow Arrows Update on Traffic Signal Yellow Clearance Intervals</b> Staff will discuss the programming of yellow lights. and flashing yellow arrows.	Cathy Hollow, Engineering and Transportation Department	Information

<b>5. Department &amp; Regional Transportation Updates</b> Staff and commission members will provide information on relevant meetings and events.	Engineering & Transportation Department Staff and Transportation Commissioners	Information
<b>6. Future Agenda Items</b> Commission may request future agenda items.	Amanda Nelson, Commission Chair	Information

According to the Arizona Open Meeting Law, the Transportation Commission may only discuss matters listed on the agenda. The city of Tempe endeavors to make all public meetings accessible to persons with disabilities. With 48 hours advance notice, special assistance is available at public meetings for sight and/or hearing-impaired persons. Please call 350-4311 (voice) or for Relay Users: 711 to request an accommodation to participate in a public meeting.



## Minutes City of Tempe Meeting of the Transportation Commission June 13, 2023

Minutes of the meeting of Tempe Transportation Commission held on Tuesday, June 13, 2023 at 7:30 a.m. via Cisco Webex and at the Tempe Transportation Center located at 200 E. Fifth Street, Tempe AZ 85281.

**(MEMBERS) Present:**

Stevie Milne  
Dawn Hocking  
Amanda Nelson  
Robert Miller  
Paul Hubbell  
James Dwyer  
Alana Chavez Langdon

Pam Goronkin  
Brian Fellows  
JC Porter  
David Sokolowski  
Peter Schelstraete  
Bobbie Cassano

**(MEMBERS) Absent:**

Susan Conklu  
David King

**City Staff Present:**

Shelly Seyler, Interim Engineering & Transportation Director  
Sue Taaffe, Senior Management Assistant  
Keith Burke, Deputy City Manager  
Cathy Hollow, City Traffic Engineer  
Shauna Warner, Neighborhood Program Manager  
Julian Dresang, Deputy Engineering & Transportation Director  
Dan Filippino, Transportation Planner

Bonnie Richardson, Principal Planner  
Sam Stevenson, Interim Transit Manager  
Chase Walman, Principal Planner  
Abel Gunn, Transportation Financial Analyst  
Ellie Volosin, Senior Civil Engineer  
Lyle Begiebing, Transportation Planner  
Trevor Malzewski, Intern

**Guests Present:**

Katie Boligitz  
John Federico

Susan Tierney  
Kath DeBoer

Commission Chair Amanda Nelson called the meeting to order at 7:35 a.m.

**Agenda Item 1 – Public Appearances**

None

**Agenda Item 2 – Minutes**

Amanda Nelson introduced the minutes of the May 9, 2023 meeting of the Transportation Commission and asked for a motion for approval.

**Motion:** Commissioner Dawn Hocking

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**Second:** Commissioner Pam Goronkin

**Decision:** Approved by Commissioners

Stevie Milne  
Dawn Hocking  
Amanda Nelson  
Robert Miller  
Paul Hubbell  
Alana Chavez Langdon

Pam Goronkin  
Brian Fellows  
JC Porter  
David Sokolowski  
James Dwyer

**Abstained:**

Peter Schelstraete  
Bobbie Cassano

### **Agenda Item 3 – Valley Metro Intercept Survey**

Kathy DeBoer with WestGroup Research and Susan Tierney with Valley Metro presented the findings from the 2023 Valley Metro Intercept Survey. Topics included:

- Background
- Methodology
- Security
- Perceptions of passengers
- Incidents on the system
- Alert VM app
- Overall satisfaction with system

Discussion included:

- Comparison of Valley Metro survey results with other transit agencies
- Declining satisfaction with light rail
- Cleanliness of buses, stops and light rail
- Customer experience coordinators
- Male vs. female respondents as compared to who uses the system
- Characterization of homeless people
- Bad customer behavior
- Timeline for Action Plan

### **Agenda Item 4 – Mill Avenue and Fifth Street All-Pedestrian Phase Update**

Cathy Hollow and Ellie Volosin presented the findings from the Mill Avenue and Fifth Street All-Pedestrian Phase pilot program. Topics included:

- Overview
- Pre-launch analysis
- Pilot test implementation
- Pilot test data collection
- Public input
- Next steps

Discussion included why younger people like the configuration, non-compliance, how it impacts the disabled community and user confusion.

A motion was made to continue the pilot program for six more months.

**Motion:** Commissioner David Sokolowski

**Second:** Commissioner Stevie Milne

**Decision:** Approved by Commissioners

Stevie Milne

Amanda Nelson

Alana Chavez Langdon

David Sokolowski

James Dwyer

Brian Fellows

JC Porter

**Nay:**

Pam Goronkin

Bobbie Cassano

Dawn Hocking

Robert Miller

**Abstained:**

Peter Schelstraete

Paul Hubbell

#### **Agenda Item 5 – Maricopa Association of Governments and US Department of Transportation Grants**

Chase Walman provided an overview of the grants available through the Maricopa Association of Governments and US Department of Transportation. Topics included:

- Typical grant process
- Grants currently being pursued
- Recently awarded grants
- Next steps

Discussion included grants for bike path sweepers.

#### **Agenda Item 6 – Shared Active Transportation Vehicles (SATV)**

Julian Dresang updated the Commission on the status of SATV's in Tempe. Topics included:

- Licensing guidelines
- Staging & parking requirements
- Exploring adding parking corrals for SATVs in the downtown
- Planning efforts

Discussion included corrals outside of the downtown, parks, parking in residential areas, and geofencing.

#### **Agenda Item 7 – Upcoming Transportation Public Meetings & Announcements**

None

#### **Agenda Item 8 – Future Agenda Items**

The following future agenda items have been previously identified by the Commission or staff:

- July 11 - canceled
- August 8
  - Prop 400e

- Crime Prevention Through Environmental Design
- Grade Separated Crossing at UPRR
- Mill Avenue Design Input
- September 12
  - College and University Underpass Project
  - Transportation Management Association and Transportation Demand Management
  - Kyrene/Roosevelt/Farmer Bike Ped Project
  - Orbit Saturn
- October 10
  - Annual Report
  - Alameda Drive Streetscape Project (before and after)
  - Transportation Master Plan
  - Eight Street Bike Ped Project
- November 14
  - Annual Report<sup>78</sup>
  - Roundabouts – data on existing and future plans
  - Personal Delivery Devices
  - Transportation Equity
- December 12
- January 9
  - Commission Business
  - Traffic Bureau Update
- TBD: Bike Bait (once program resumes)
- TBD: Streetcar Fare Implementation
- TBD: CIP Updates

The next meeting is scheduled for August 8, 2023, and the July meeting has been cancelled. The meeting was adjourned 9:01 a.m.

Prepared by: Sue Taaffe

Reviewed by: Shelly Seyler

# MEMORANDUM

**TO:** Tempe Transportation Commission  
**FROM:** Catherine Hollow, City Traffic Engineer, 480-350-8445  
**DATE:** August 8, 2023  
**SUBJECT:** Update on Traffic Signal Yellow Clearance Intervals  
**ITEM #:** 4



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**PURPOSE:**

The purpose of this presentation is to provide information to the Transportation Commission on yellow clearance intervals.

**RECOMMENDATION OR DIRECTION REQUESTED:**

For information only

**BACKGROUND INFORMATION:**

The City routinely reviews traffic signal operations.

The City of Phoenix is testing their yellow clearance interval times. Council asked that city staff report on Tempe's policy for traffic signal yellow clearance intervals.

**UPDATES**

The vehicle yellow change interval provides a transition between the green and red indications of a traffic signal. The City of Tempe also uses an all-red change interval. The Manual on Uniform Traffic Control Devices advises that the yellow change interval should last between 3 to 6 seconds. A standard for the red clearance is 0.5 sec to 2.0 seconds. Tempe's calculations and a comparison to other Valley cities will be presented.

**FISCAL IMPACT or IMPACT TO CURRENT RESOURCES:** none

**ATTACHMENTS:**

Power Point

# **Update on Traffic Signal Yellow Clearance Intervals**

**Transportation Commission  
August 8, 2023**





- Safe & Secure Communities: 1.08 High Severity Crash Reduction
- Quality of Life: 3.27 Traffic Delay Reduction



Safe and Secure  
Communities



Strong Community  
Connections



Quality of Life



Sustainable Growth  
and Development



Financial Stability  
and Vitality

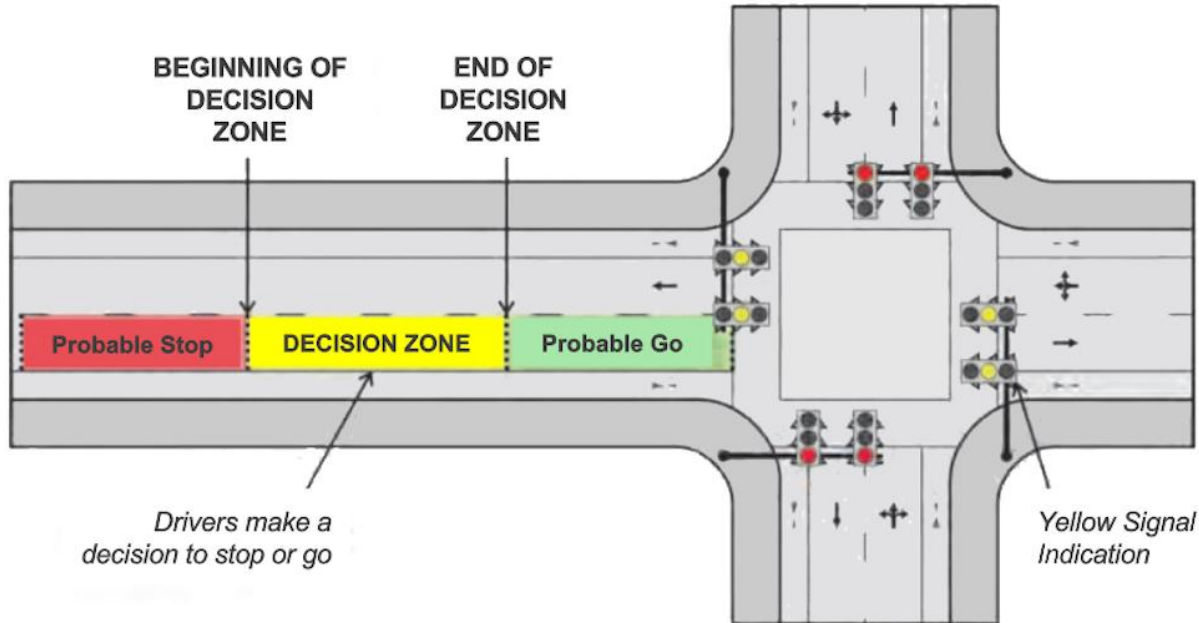
# YELLOW CHANGE INTERVAL



A yellow signal indication is displayed following every green signal indication per Manual on Uniform Traffic Control Devices (MUTCD).

The amount of time that the yellow signal is displayed is referred to as the **yellow change interval**.

- The duration of the yellow change interval should allow, at a minimum, for a driver to comfortably decelerate to a stop prior to entering the intersection.



# Tempe Calculations



*Yellow Interval Equation*

$$Y = t + \frac{1.47v}{2(a + Gg)}$$

Posted Speed	Calculated Value	Tempe Value
45 mph	4.3 sec	4.5 sec
40 mph	3.9 sec	4.0 sec
35 mph	3.6 sec	4.0 sec
30 mph	3.2 sec	4.0 sec



ABC15 ARIZONA

## YELLOW LIGHT DURATION BY POSTED SPEED

VALLEY'S 10 LARGEST CITIES - DATA PROVIDED BY CITIES



CITY	30 MPH	35 MPH	40 MPH	45 MPH
PHOENIX	3.2	3.6	4	4.3
MESA*	4	4	4	4.5
CHANDLER	3.5	3.5	4	4.5
GILBERT	4	4	4	4.5
GLENDALE	3.2	3.5	4	4.4
SCOTTSDALE	3.6	4	4.4	4.7
TEMPE	4	4	4	4.5
PEORIA	3.7	4.1	4.5	4.8
GOODYEAR	4	4	4	5
SURPRISE	N/A	3.6	N/A	4.3

\*Mesa lists minimum yellow duration, some intersections have longer times



- Red Clearance Intervals are not required by the MUTCD
- Tempe uses an all-red clearance interval in addition to the yellow clearance.

<b>Posted Speed</b>	<b>Total Clearance Interval</b>
45 mph	6.0 sec
40 mph	6.0 sec
35 mph	6.0 sec
30 mph	6.0 sec



- Phoenix is testing longer yellow clearance times
- Testing 20 intersections with no change, incremental change and full change to new policy
- Reduction in red light running incidents: 30 %– 60% initially
- After few weeks: numbers started increasing
- After 12 weeks: overall there was less red light running
- Ultimate Test: reduction in crashes. Will take time to determine effectiveness



Tempe's clearance intervals are reasonable  
Staff will be following the results of Phoenix study  
Evaluating the City's all red clearance interval

Staff continues to watch what other Cities are implementing so that we maintain consistency and meet driver expectations as they cross city borders.



# MEMORANDUM

**TO:** Tempe Transportation Commission  
**FROM:** Isaac Chavira, Interim Deputy Engineering & Transportation Director  
**DATE:** August 8, 2023  
**SUBJECT:** Future Agenda Items  
**ITEM #:** 6

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## **PURPOSE:**

The Chair will request future agenda items from the Commission members.

## **RECOMMENDATION OR DIRECTION REQUESTED:**

This item is for information only.

- September 12
  1. Kyrene/Roosevelt/Farmer Bike Ped Project
  2. Orbit Saturn
  3. Mill Avenue Design Input
  4. Grade Separated Crossing at CCW & UPRR
  5. Equity Study - Making Space (Community Services)
- October 10
  1. Annual Report
  2. Alameda Drive Streetscape Project (before and after)
  3. Eight Street Bike Ped Project
  4. TMA/TDM, Personal Delivery Devices
  5. CIP Updates
- November 14
  1. Commission Business
  2. Annual Report
  3. Roundabouts – data on existing and future plans
  4. Western Canal (48<sup>th</sup> Street to I-10)
  5. College and University Underpass Project
- December 12 - Cancel?
- January 9
  1. Commission Business
  2. Traffic Bureau Update
  3. Transportation Master Plan & Transportation Equity
  4. All Pedestrian Phase Signal Mill Avenue and Fifth Street
- February 13
  1. CIP Updates
  2. Prop 400E
- March 12
- April 9
  1. Bike Hero
- May 14
- June 11
  1. CIP Updates
- July 9
- TBD: Streetcar Fare Implementation