

July 15, 2016

TO: Members of the MAG Transportation Safety Committee

FROM: Dana Alvidrez, City of Chandler, Chair

SUBJECT: MEETING NOTIFICATION AND TRANSMITTAL OF TENTATIVE AGENDA

Tuesday, July 26, 2016 - 10:00 a.m.
MAG Office Building, 2nd Floor, Ironwood Room
302 North First Avenue, Phoenix

A meeting of the MAG Transportation Safety Committee will be held at the time and place noted above. Committee members or their proxies may attend **in person, via videoconference or by telephone conference call**. Those attending by video conference must notify the MAG site three business days prior to the meeting. Those attending by telephone conference call please contact MAG offices for conference call instructions.

Please park in the garage under the MAG building, bring your ticket, parking will be validated. For those using transit, Valley Metro/RPTA will provide transit tickets for your trip. For those using bicycles, please lock your bicycle in the bike rack in the garage.

In 1996, the Regional Council approved a simple majority quorum for all MAG advisory committees. If the Transportation Safety Committee does not meet the quorum requirement, members who have arrived at the meeting will be instructed a legal meeting cannot occur and subsequently be dismissed. Your attendance at the meeting is strongly encouraged.

Pursuant to Title II of the Americans with Disabilities Act (ADA), MAG does not discriminate on the basis of disability in admissions to or participation in its public meetings. Persons with a disability may request a reasonable accommodation, such as a sign language interpreter, by contacting MAG. Requests should be made as early as possible to allow time to arrange the accommodation.

If you have any questions regarding the meeting, please contact Sarath Joshua at (602) 254-6300.

TENTATIVE AGENDA

COMMITTEE ACTION REQUESTED

1. Call To Order

For the July 26, 2016 meeting, the quorum requirement is 10 committee members.

2. Approval of May 24, 2016 Meeting Minutes

3. Call to Audience

An opportunity will be provided to members of the public to address the Transportation Safety Committee on items not scheduled on the agenda that fall under the jurisdiction of MAG, or on items on the agenda for discussion but not for action. Members of the public will be requested not to exceed a three minute time period for their comments. A total of 15 minutes will be provided for the Call to the Audience agenda item, unless members request an exception to this limit. Please note that those wishing to comment on action agenda items will be given an opportunity at the time the item is heard.

4. Program Managers Report

The following items will be addressed:

- 2016 Crossing Guard Training Workshops
- Update on the Avondale STSP
- ADOT LPA Inspector Boot Camp
- FY2017 MAG safety project - "Systemic Strategy to Mitigate Left Turn Crashes"
- Systems Management & Operations Plan

5. Review and Recommendation of Road Safety Assessment (RSA) and Project Assessment (PA) Sites for FY2017 Projects

An update will be provided on past committee discussions on the recommendations provided by the Working Group that was formed to develop enhancements to the MAG RSA and PA project selection process. The committee will continue the review with the goal of

2. Review and approve the May 24, 2016, meeting minutes.

3. For information.

4. For information and discussion.

5. For information, discussion and possible action to recommend approval of a list of RSA and PA projects, for FY2017, to be carried out through MAG on-call contracts.

reaching a possible conclusion.

The Working Group has developed and applied a methodology, based on crash data, for identifying potential locations for the next cycle of RSA and PA projects. Attachment One shows the resulting list of recommended RSA and PA projects.

The methodology, data reviewed, and recommendations of the working group will be presented. The Committee will have the opportunity to review and discuss the recommended list, make modifications, and take possible action to recommend a final list of RSA and PA locations for the next cycle of RSA/PA projects funded to be carried out through MAG on-call contracts. This recommendation will go through the formal MAG approval process. It is anticipated that the first RSAs and PAs would be conducted starting in October 2016.

6. Programming New SRTS Projects

The Fixing America's Surface Transportation (FAST) Act, signed by President Obama in December of 2015, authorized transportation funding through the federal fiscal year 2020. The new transportation bill eliminated the MAP-21 Transportation Alternatives Program (TAP) and replaced it with a Surface Transportation Block Grant (STBG) program that will continue to set aside funds for Transportation Alternatives (TA). These funds can be used to fund the same SRTS projects and activities as those previously eligible under TAP, including non-infrastructure SRTS projects.

MAG staff will provide an overview of the current SRTS project programming process. An amount of \$400,000/year is available to be programmed for non-infrastructure SRTS projects in FY2018 and beyond, as it had been previously with TAP under MAP-21. Funds will be made available for future SRTS projects through the MAG TIP programming process.

6. For information and discussion.

The Committee will discuss the TA Set-Aside in terms of the current programming process, and provide input to the MAG TIP call for projects planned for August 2016.

7. Emerging Vehicle Technologies & Road Safety

In recent years there has many advances in the area of vehicle automation technology. Related industries and governmental oversight agencies have stated that these advances have the potential to make significant improvements in road safety. The most controversial of these advances, from a safety viewpoint, involve fully autonomous vehicles capable of operating without a driver.

In January 2016 the National Highway Traffic Safety Administration (NHTSA) announced plans to propose, in six months, best-practice guidance to industries on establishing principles of safe operation for fully autonomous vehicles. The agency also announced plans for steps to enable vehicle-to-vehicle (V2V) communication technology for light vehicles. This particular technology is being promoted primarily as a means for improving road safety by enabling vehicles to "talk" to each other and ultimately avoiding crashes altogether by exchanging basic safety data. The USDOT's Connected Vehicle Research Program is also investigating Vehicle-to-Infrastructure (V2I) communications.

A brief overview will be provided on the various terminology, definitions and on-going activities related to emerging vehicle technologies.

8. Reports by Committee Members on Transportation Safety Activities

Members will be requested to report agency activities or current issues that are related to transportation safety.

9. Next Meeting

The next meeting is scheduled to be held on

7. For information and discussion.

8. For information and discussion.

9. For information and discussion.

Tuesday, September 27, 2016 at 10:00 a.m. in
the MAG **Ironwood Room**.

10. Adjournment

DRAFT MINUTES OF
MARICOPA ASSOCIATION OF GOVERNMENTS
TRANSPORTATION SAFETY COMMITTEE MEETING

May 24, 2016
Maricopa Association of Governments
Ironwood Room, Suite 200
302 N. 1st Ave,
Phoenix, AZ 85003

MEMBERS ATTENDING

- * Cristy Robinson, AAA Arizona
- Tom Burch, AARP
- Mona Aglan-Swick, ADOT (appointment pending)
- # Shane Kiesow, City of Apache Junction
- * Robert Gray, ASU
- Tom Peterson, City of Avondale
- * Jason Mahkovtz, City of Buckeye
- Dana Alvidrez (Chair), City of Chandler
- Nick Russo, City of El Mirage
- Kelly LaRosa, FHWA
- # Leslie Bubke, Town of Gilbert
- Kiran Guntupalli, City of Glendale
- * Alberto Gutier, GOHS
- # Hugh Bigalk, City of Goodyear
- # Mike Gillespie, Litchfield Park
- * Nicolaas Swart, Maricopa County
- Maria Deeb for Renate Ehm,
City of Mesa
- * Jeremy Knapp, Town of Paradise Valley
- # Mannar Tamirisa for Jamal Rahimi,
City of Peoria
- Kerry Wilcoxon, City of Phoenix
- # George Williams, City of Scottsdale
- Dana Owsiany, City of Surprise
- Julian Dresang, City of Tempe
- * Adrian Ruiz, RPTA

OTHERS PRESENT

- Sarath Joshua, MAG
- Margaret Boone, MAG
- Micah Henry, MAG
- Michelle Sortino, City of Mesa
- Brian Fellows, AMEC
- Doug McCants, Horrocks
- Larry Tally, ADOT TSS
- Andrew Kwasniack, Tatum Group
- Natalie Carrick, Michael Baker
- Sergio Lopez, ASAIDA
- Shanthi Krishnan, Jacobs
- Sandy Thoms, Jacobs

- * Not present or represented by proxy
- # Participated by teleconference
- + Participated by videoconference

1. Call to Order

Chair Dana Alvidrez called the meeting to order at 10:00 a.m.

2. Approval of April 27, 2016 Meeting Minutes

Chair Dana Alvidrez called for a motion to approve the April 27, 2016 meeting minutes. Julian Dresang made a motion to approve, Kiran Guntupalli seconded and the motion passed unanimously.

3. Call to Audience

Chair Dana Alvidrez made a call to the audience providing an opportunity to members of the public to address the Transportation Safety Committee. None requested.

4. Program Manager's Report

Chair Dana Alvidrez requested Sarath Joshua to report on the items included in the Program Manager's Report.

- City of Avondale's Strategic Transportation Safety Plan: Mr. Joshua asked Margaret Boone to provide the Committee a status on this project currently in its late stages of development. Margaret Boone stated that draft final Implementation Plan has been submitted for review by the Avondale Transportation Safety Stakeholders Group. Their comments as well as those from their internal engineering services group will be incorporated in the Draft Final plan now in development. The implementation plan also includes consideration of possible countermeasures for couple locations that were identified by the network screening methodology developed in Task four. The draft final plan will go to the Avondale City Council in Work Session in August for review and comment and final approval shortly thereafter. Ms. Boone invited Tom Peterson from the City of Avondale to provide any other comment. Mr. Peterson noted that they are anticipating adoption of the Final Plan in August 2016.
- 2016 Crossing Guard Workshop Planning Meeting: Sarath Joshua stated the dates for this year's workshops are July 28th in Phoenix, August 2nd in Mesa, and August 4th in Peoria. The planning group is scheduled to meet with representatives from local agency police departments to discuss enhancements to the presentations given as a key part of the workshops. This is regional road safety collaboration between MAG, Gilbert, Glendale, Peoria, Phoenix, Mesa, Surprise, Scottsdale, and Tempe.
- RTSIMS Software Update: Mr. Joshua noted RTSIMS will be made available online in August 2016 for interested agencies that have a signed Data Agreement with ADOT. Agencies will be able to take advantage of the Users' Manual recently updated by Lee Engineering as well as the enhancements added to the software through a separate task order with Kimley-Horn. MAG staff would be happy to provide training sessions as requested.

5. MAG RSA and PA Program Enhancements

Chair Dana Alvidrez stated that this item on the agenda for information and discussion and an update from the working group that has met regarding program enhancements. Sarath Joshua stated that \$300,000 was included in the FY2017 MAG work program and that over forty RSAs and five PAs have been complete through this program since 2011. A working group was formed to discuss enhancements to the FY2017 program and to make a recommendation of a list of RSA and PA sites to the Committee using a data

driven approach. This group met on April 27th. Mr. Joshua requested that Margaret Boone present the recommendations of the working group as well as the information provided to the committee for this item. Ms. Boone referred Committee members to Attachment One of the agenda packet which provides the Top 100 list of high crash risk locations with detailed information on the number of K and A crashes, predominant crash types, the KABCO breakdown of the predominant crash type, as well as for bicyclist and pedestrian crashes at each of the 100 locations. A recommendation was made by the working group that MAG work with local agencies to reduce the list to include up to twenty locations for further consideration by the working group and then the Committee. In addition it was suggested that MAG provide more crash data on the reduced list of locations to be considered by the Committee in July based on examples provided by the City of Scottsdale. Examples of this model will be provided in this presentation. The examples include detail for crashes broken out by collision manner with a citywide comparison, driver violation, month of year, etc. RSA locations would be selected and conducted based on review of the data. RSAs will be conducted anytime from October 2016 through June 2017, also based on the data. PA locations will be based on a local agency nomination in consultation with the recommendations of the RSA and review of the most recent five years of crash data in order to gauge the potential of meeting current ADOT HSIP criteria. Mr. Joshua noted that the goal of the PA program to further analyze the recommendations of an RSA for the potential of meeting current ADOT HSIP criteria. Ms. Boone highlighted the resulting eight locations for preliminary recommendation, which included a request for a Corridor Safety Plan project to be conducted on 43rd Avenue from Northern Avenue to Thunderbird Road in the future MAG FY2018 work program. Ms. Boone reviewed a sample of the detailed crash analysis that will be provided in order to recommend a final list of locations for RSAs for; collision manner, driver condition, and driver one violations for one of the preliminary sites with its citywide comparison. This item and the final recommendation from the working group will come back to the Committee in July for possible action on a list of RSAs and PAs which will then go through the MAG approval process. Maria Deeb inquired as to if the scope for the PAs have been coordinated with ADOT and would like to possibly review the scope for their own use to conduct a future locally funded PA. Ms. Boone stated that the scope was reviewed with ADOT at the onset of inclusion of PAs in the MAG program, but that further coordination would be done as the HSIP criteria is updated and would be happy to share that with the City of Mesa or any local agency. Mr. Joshua noted that this new data driven process may complicate the administration of the program internally at MAG, in terms of when the RSAs are conducted, but that this will be a good and more effective approach to the program. Feedback from local agencies is welcomed. Kerry Wilcoxon commented the City of Phoenix feels that this new approach will yield more useful information for safety improvements at locations where the City is experiencing high crash rates. George Williams noted that use of month of year data should be done incorporating engineering judgement. For example, the City of Scottsdale only changes the observation times and month if the percentage for that location is double than that experienced city wide.

6. HSIP and Safety Performance: Final Rule

Chair Dana Alvidrez invited Sarath Joshua to present this item for information. Mr. Joshua noted that the final rule was entered in the federal register in March with an effective date of April 14, 2016. The four original measures from the proposed ruling

have been carried forward for; number of fatalities, rate of fatalities per 100 million VMT, number of serious injuries and rate of serious injuries per 100 million VMT. One additional measure was included in the final rule for total number of non-motorized fatalities and serious injuries. ADOT is required to set Arizona targets for reporting by August 2017, and MAG will be required to report regional targets by February 2018. This item is intended to be a discussion on what needs to be done to set these targets based on the final rule. As a reminder, through the process of developing the MAG STSP, the ADOT target for a three to seven percent reduction in fatalities and serious injuries in the next five years from the base year 2013. The target was developed and adopted while these performance measures were still in a notice of proposed ruling stage, and it was anticipated that revisions would be required to set the targets based on final rule. A brief review was provided to the Committee of the final rule elements, as well as on the public comments made during that process for the notice of proposed rulemaking. It was noted that moving forward; there will need to be coordination between MAG and ADOT for non-motorized target setting, and a process for MAG to report on all the targets to ADOT. MAG has begun researching other MPOs practices for estimating regional VMT as this is not something that MAG has available to date for the two rate related measures. In addition, discussions at MAG with modeling staff suggests that using volumes from the MAG model may be more accurate than the use of HPMS data which, for the region, would just be a sampling. Sarath Joshua asked for FHWA confirmation on if MPOs are supposed to report on all five measures to the State. Kelly LaRosa stated that MPOs are required to report on all five measures to ADOT and that ADOT will report their targets towards all five measures in their annual HSIP report to Federal Highways. Ms. LaRosa also provided some fact sheets on various elements on the final rule from the FHWA webpage. Julian Dresang asked for clarification that it is up to MPOs and COGs to report to the State. Mr. Joshua confirmed that that is indeed the process outlined by the federal ruling.

7. Reports by Committee Members on Transportation Safety Activities

Chair Dana Alvidrez requested reports from committee members on transportation safety related activities at local agencies. None heard.

8. Next Meeting

Chair Dana Alvidrez stated that the next meeting is scheduled for Tuesday, July 26, 2016 at 10:00 a.m. in the Ironwood Room.

9. Adjournment

Chair Dana Alvidrez adjourned the meeting at 10:56 a.m.

Project No.	Project Type	Agency	MAG/Agency Intersection Rank 2010-2014	Location	Estimated Cost
1	RSA	Glendale/Peoria	5	BELL RD & 83RD AVE	\$ 42,000.00
2	RSA	Phoenix	9	NORTHERN AVE & 7TH ST	\$ 41,000.00
			215	DUNLAP AVE & 7TH ST & CAVE CREEK	
			697	HATCHER RD & 7TH ST	
3	RSA	Tempe	12	SOUTHERN AVE & 48TH ST	\$ 35,000.00
4	RSA	Tempe/ADOT	23	BASELINE RD & I 0101	\$ 42,000.00
5	RSA	Phoenix	43	MCDOWELL RD & 67TH AVE	\$ 35,000.00
6	RSA	Phoenix	65	CAMELBACK RD & 35TH AVE	\$ 35,000.00
7	RSA	Scottsdale	67	SCOTTSDALE RD & OSBORN RD	\$ 35,000.00
9	PA	Gilbert	Not Applicable	VAL VISTA DR & ELLIOT RD	\$ 35,000.00

Total Estimated Cost **\$ 300,000.00**
 Total Amount Available \$ 300,000.00

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