

April 18, 2016

TO: Members of the MAG Transportation Safety Committee

FROM: Dana Alvidrez, City of Chandler, Chair

SUBJECT: MEETING NOTIFICATION AND TRANSMITTAL OF TENTATIVE AGENDA

Wednesday, April 27, 2015 - 9:30 a.m.  
MAG Office Building, 2<sup>nd</sup> Floor, Chaparral 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 Leila Gamiz at the MAG office. 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 April 27, 2016 meeting, the quorum requirement is 10 committee members.

2. Approval of March 22, 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:

- Avondale STSP Update
- 2016 School Crossing Guard Workshops
- HSIP and Safety Performance Measurement: Final Rulemaking

5. Programming of MAG-HSIP Funds for Road Safety Projects

In response to the call for projects for programming FY 2017-2018 MAG HSIP funds, a total of three (3) applications were received from three (3) member agencies. The proposed projects would implement two (2) systemic safety improvement projects and one (1) spot safety improvement project for an amount requested of \$571,871 in FY 2017 and \$391,875 in FY 2018 for a total of \$963,746.

2. Review and approve minutes of the meeting held on March 22, 2016.

3. For information.

4. For information and discussion.

5. For information, discussion and possible action to recommend a list of safety projects to be funded with MAG HSIP funds available in FY 2017-2018.

The total amount of HSIP funds available to be programmed for projects in FY 2017 and FY 2018 is \$508,000. The complete list of proposed projects is provided in Attachment One.

On March 25, 2016, the three (3) new project applications were made available, via the MAG website, for review by committee members. Brief project presentations will be provided sponsoring agency representatives. **The committee will discuss the merits of each proposed project and, if necessary, perform a ranking of projects to generate a recommended list of FY 2017-2018 HSIP projects.**

6. 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.

7. Request for Future Agenda Items

Members will be provided the opportunity to suggest future agenda topics.

8. Next Meetings

The next scheduled Transportation Safety Committee meeting is scheduled to be held on Tuesday, May 24, 2016 at 10:00 a.m in the MAG Ironwood Room.

9. Adjournment

7. For information and discussion.

8. For information and discussion

9. For information and discussion.

DRAFT MINUTES OF  
MARICOPA ASSOCIATION OF GOVERNMENTS  
TRANSPORTATION SAFETY COMMITTEE MEETING

March 22, 2016  
Maricopa Association of Governments  
Ironwood Room, Suite 200  
302 N. 1<sup>st</sup> Ave,  
Phoenix, AZ 85003

MEMBERS ATTENDING

- \* Cristy Robinson, AAA Arizona
- \* Tom Burch, AARP
- \* Richard Weeks, ADOT
- \* Shane Kiesow, City of Apache Junction
- \* Robert Gray, ASU  
Paul Lopez, City of Avondale (proxy)
- \* 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  
Mazen Muradvich for Nicolaas Swart,  
Maricopa County  
Mike Sowers for Renate Ehm,  
City of Mesa
- \* Jeremy Knapp, Town of Paradise Valley
- # Mannar Tamirisa for Jamal Rahimi,  
City of Peoria  
Rick Russ for Kerry Wilcoxon,  
City of Phoenix
- # George Williams, City of Scottsdale
- # Dana Owsiany, City of Surprise  
Julian Dresang, City of Tempe  
Brian Brinkley for Adrian Ruiz,  
RPTA

OTHERS PRESENT

Sarath Joshua, MAG  
Margaret Boone, MAG  
Eric Nava, MAG  
Micah Henry, MAG  
Andrew Kwasniack, Tatum Group

Sandy Thoms, Jacobs  
Shanthi Krishnan, Jacobs  
Natalie Carrick, Michael Baker  
Scott Kelly, Amec Foster Wheeler  
Tom Peterson, City of Avondale

- \* 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 January 26, 2016 Meeting Minutes

Chair Dana Alvidrez called for a motion to approve the January 26, 2016 meeting minutes. Kiran Guntupalli made a motion to approve, Mazen Muradvich 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. Margaret Boone stated that the consultant has completed the draft final technical memoranda outlining the identification of action areas, potential strategies and performance as well as that for developing a methodology for prioritization of Avondale road safety needs. Ms. Boone noted there was a meeting held with the new Avondale traffic engineer to review these document and get additional feedback from the new Avondale project manager. In addition the consultant is working on a straw-man version of the implementation plan for further review by the City prior to finalizing technical memorandum number five. It is anticipated that the Implementation Plan will be taken to Avondale City Council in June or July for finalization of the Final Plan document sometime in August.
- 2016 Crossing Guard Workshop Planning Meeting: Sarath Joshua stated a planning meeting will be held on March 23<sup>rd</sup>, 2016. In addition, the dates for this year's workshops are July 28<sup>th</sup> in Phoenix, August 2<sup>nd</sup> in Mesa, and August 4<sup>th</sup> in Peoria. Mr. Joshua welcomed a new representative, Dana Owsiany, from the City of Surprise, who has agreed to join the planning group. Mr. Joshua added that the planning group will be working on incorporating more crossing guard interaction in the workshops. One of the goals of the upcoming planning meeting is to also enhance the presentation to be provided by representatives from local agency police departments that has traditionally been a key part of the workshops. Sarath recognized representatives currently volunteering for the planning group; Gilbert, Glendale, Peoria, Phoenix, Mesa, Scottsdale, Surprise, and Tempe.
- RTSIMS online access update: Mr. Joshua reported that the consultant is working on the final round of improvements to the RTSIMS software which includes an excel format output from queries run in the software. It is anticipated that the application will be made available to local agencies with current data access agreements with ADOT. Once this is made available there will be a series of workshops planned to train local agencies wishing to access the software online using the RTSIMS User's Manual developed by Lee Engineering. MAG can also schedule one-on-one meetings with local agency staff if requested.
- FY2017 & 2018 MAG HSIP call for project schedule: Margaret Boone reported that

- the MAG HSIP applications are due on Thursday March 24<sup>th</sup>. Ms. Boone added that there is a pre-review period built into the schedule in order for local agencies submitting applications can coordinate any outstanding items with ADOT to finalize their applications. In addition, on March 25<sup>th</sup> MAG will forward to ADOT the applications submitted simultaneously with providing the Committee access to the applications on the Safety webpage. The applications will be available at that time for download and review by the committee ahead of the April 27<sup>th</sup> special meeting to be held to discuss the merits of each project submitted and possibly recommend approval of a list of projects. The recommendation will be forwarded to the MAG Transportation Review Committee and the final application will be sent to ADOT on April 29<sup>th</sup> ahead of the deadline for submission of applications on May 1, 2016. Ms. Boone stated that the amount of available funds is \$509,000. This will complete programming the remaining MAG HSIP funds.
- Termination of Interim Approval: Use of Clearview Font for Positive Contrast: Mr. Joshua invited Kelly LaRosa from FHWA to comment on the information provided to the Committee. Ms. LaRosa did not have any additional information to share with the Committee.
  - Final Rule: Safety Performance Measurement: Mr. Joshua reported that the final rule for safety performance measurement has been released. The notice of proposed rulemaking included four measures that the state would be required to report performance; number of fatalities, rate of fatalities per VMT, number of serious injuries, and rate of serious injuries per VMT. The final ruling included a fifth measure of total combined number of non-motorized fatalities and serious injuries crashes. This fifth measure was a result of the numerous comments on the proposed rulemaking from various entities, mostly bicycle advocacy groups. Mr. Joshua also stated that MAG had coordinated with the state in setting of regional road safety targets towards the goals outlined in the MAG STSP. It will be necessary to establish these targets for each of the five measures outlined in the final rulemaking moving forward. These targets and outcomes will need to be reported to the state and the Arizona DOT will have to report the state's targets and outcomes to FHWA on an annual basis starting in August of 2017. Mr. Joshua noted that there will be a discussion at the next regular meeting on how the targets can be set for the region by the 6 month deadline after the state's August 2017 deadline as confirmed by Kelly LaRosa from FHWA.
  - Staffing Change at ADOT: ADOT has established a new division called the Transportation Systems Management and Operations (TSMO) Section. The Traffic Records and Traffic Safety Sections have been moved into this new division.

##### 5. MAG Safety On-Call Consultant Selection

Chair Dana Alvidrez noted the attachment provided to the Committee in their agenda packet for this item and invited MAG staff to report on this for discussion and possible action. Mr. Joshua requested that Margaret Boone report on this item. Ms. Boone outlined the process for the On-call Request for Proposal and submission of Statements of Qualifications from consultants wishing to qualify to do work on MAG safety programs and projects, such as RSAs and PAs. Ms. Boone noted that 20 consultants sought to qualify for three areas of expertise relating to safety projects. The evaluation team, made up of three local agency staff and MAG staff, identified eight consultants qualified for the programs and projects related to safety for the three areas of expertise. This evaluation

was based on the evaluation criteria stated in the RFP. Ms. Boone stated that the requested action for this item is for the Committee to recommend approval of the list of consultants shown on the attachment titled “2016 MAG Safety On-call Consultants”. Kiran Guntupalli, as a member of the evaluation team made two suggestions; 1) that for the next round MAG consider reducing the number of pages required, and 2) that there be two separate RFQs for Safety and ITS. Sarath Joshua stated that this suggestion has come through in the past and some consultants have said they can do it in fifteen pages. In order to identify the best possible qualified consultants it is believed that the page limit is appropriate but that MAG staff will certainly do some work based on the current proposals submitted to identify the need and appropriateness of reducing the page limit. In addition, considering the effort it takes to qualify on-call consultants, it is more efficient to combine ITS and Safety in one on-call advertisement. However, MAG would consider this recommendation. Ms. Boone encouraged any suggestions from the evaluation panel to be forwarded to her for development of the next round. Ms. Alvidrez provided an opportunity for Paul Lopez from the City of Avondale to introduce himself, as he had just joined the meeting in person. Mr. Lopez introduced himself as well as Tom Peterson who has taken the Traffic Engineer position at the City and will most likely replace him as the Committee representative. Ms. Alvidrez asked for a motion to **recommend approval of the list as shown on the Attachment Two**. Julian Dresang made a motion, Kiran Guntupalli seconded, and the motion passed unanimously.

#### 6. 2016 RSA and PA Program Enhancements

Chair Dana Alvidrez introduced this item for information and discussion on developing enhancements to the MAG road safety assessment program. Sarath Joshua began the discussion by reviewing how some years back, supported by the Committee, MAG introduced a new project in the MAG Work Program to perform Road Safety Assessments, to which Project Assessments got added later. Every fiscal year MAG sets aside approximately \$300,000 for the RSA/PA program. In the past, the locations for performing RSAs were identified through a MAG call for projects, with applications submitted by local agencies based on data provided on the MAG Top 100 list of high crash risk locations. Mr. Joshua indicated that it has been suggested by RSA team members and consultants that improvements are needed to how the PSA locations are nominated. Some RSA teams have commented that some locations may have road safety issues but may not warrant a formal RSA. The committee began this discussion at the last meeting, on how to enhance the process to be more data driven and not just based on nominations by the local agency. Mr. Joshua requested Margaret Boone continue the discussion by showing some of her analysis on the crash data. Ms. Boone referred the Committee to Attachment Three of the Top 100 high crash risk locations for the crash analysis period of 2010 through 2014. Ms. Boone described the detail provided for each location to show predominant crash types with the KABCO scale broken out, bicyclist and pedestrian involved crashes, also with the KABCO scale broken out, as well as some secondary information on the second or third most predominant crash types for each location under the “notes” column. MAG would like to get input from Committee members on the information provided and would welcome requests for any additional information required for consideration towards the goal of identifying good candidate locations for RSAs and PAs. In addition, the goal would be to identify locations for which

the recommended safety improvements could likely compete for HSIP funding in the future. Sarath Joshua highlighted the background regarding the Top 100 high crash risk locations using RTSIMS and the MAG Network Screening Methodology. A question was posed by a committee member regarding how an intersection related crash is defined. Kiran Guntupalli stated that it is based on how the crash is coded by the officer and that this was decided on through a coordinated effort with ADOT to come to an agreement on a clear definition for intersection related. The information is coded based on the officers observation in relation to the common definition decided on. Nick Russo asked if the bicyclist and pedestrian crashes are weighted differently in this methodology. Mr. Joshua and Mr. Guntupalli, both explained that the Intersection Safety Score is based on three factors; crash frequency, crash severity, and crash type. The crash type factor accounts for the different crash types including bicyclist and pedestrian. Each crash type has an associated crash cost, based on FHWA crash cost by injury severity. These crash type costs can cause a crash site to be ranked higher than the others due to the greater severity of vehicle/bike, vehicle/pedestrian type crashes. Julian Dresang from the City of Tempe discussed his experience having a project go through the RSA and PA process; based on the RSA, the PA was developed to provide dual lefts with protected lefts. When the project was reviewed and approved by ADOT, it got watered down. Although the predominant crash type at this site was rear-ends, the ADOT analysis process only allowed crash types that were associated with the K's and A's in the analysis. Mr. Dresang recommended that, due to this process, the best use of MAG funds may be to conduct PAs only at RSA locations with a lot of K's and A's. Mr. Joshua agreed with Mr. Dresang's assessment stating that Arizona's approach to identifying high crash risk locations is narrow and may not be valid statistically. He stated that the federal government says that states must use HSIP funds to reduce fatal and serious injury crashes but it does not specify that state's analysis must be focused solely on K's and A's to identify good safety improvement projects. Mr. Dresang continued suggesting that the screening process can be more comprehensive for RSAs but we may want to look at K's and A's just for identifying PA locations that would meet ADOT criteria. Mr. Joshua mentioned that with the current changes to the Systems Management and Operations division at ADOT there may be some improvements in the future to the current HSIP methodologies. These suggestions will have to move forward assuming no changes to the ADOT methodology for the time being. Kelly LaRosa clarified that there is a USDOT regulation requirement that HSIP funds need to be used to specifically reduce fatal and serious injury crashes and that interpretation is the K and A in the KABCO scale. The new performance measures include only K and A, and this is something that ADOT is keeping in mind when administering the HSIP program for the state. Dana Alvidrez stated support for the approach to be consistent with Mr. Dresang's suggestions. Ms. Boone added that there is another piece of information provided to the Committee in a handout outlining some information on past RSA and PA locations. One of the locations highlighted is the Tempe RSA and PA location for the Rural and Southern intersection. Mr. Dresang stated that the information in the handout really tells the story of the safety issue and that the focus changed from the RSA to the PA. Ms. Boone described the same information was sampled for the Avenida del Yaqui RSA as a good example of a location where there was only one incapacitating injury in the corridor qualifying the location for an RSA at the time. Ms. Boone stated that once the RSA team began their work, the focus of the RSA changed. Although the team did come up with some good information and guidance for the Town of Guadalupe, these were things that may have been better handled

one-on-one with MAG staff and the Town, but maybe did not warrant a full RSA event. Kiran Guntupalli suggested that a working group be formed that would comprise of key local agency staff whose jurisdictional intersections are on the list. This working group could discuss and maybe come up with some kind of proposed of a list of locations for RSAs and PAs for the committee to consider. Sarath Joshua mentioned that when MAG staff presents the list of locations to Management and Regional Council, a question that comes up is: How will these locations be monitored for performance? This is a tough thing to do because MAG does not know if and how the RSA recommendations are implemented program wide. Mr. Joshua suggested that this working group could also come up with a strategy to collect this information. At the suggestion of Dana Alvidrez, Ms. Boone will send an e-mail out to Committee members whose intersections have predominance on the Top 100 list in order to form the working group. The working group meeting would be held sometime in April.

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. Kelly LaRosa mentioned that anyone who has questions can contact her regarding of the removal of the Clearview Font standard and the Safety Performance Final Ruling. Rick Russ mentioned that the City of Phoenix is in the process of developing an HSIP application for some of the recommendations of the Indian School Road Corridor Safety Plan to install retro-reflectorized back plates along that study corridor. In addition, they have submitted for GOHS funding for some of the enforcement and education recommendations from that study. Mazen Muradvich noted that MCDOT is completing a run off road safety evaluation that will prioritize a list of improvement projects. Tom Peterson requested to provide comments on the Avondale STSP process; stating that the City is reviewing the methodologies used by MAG and other jurisdictions to use as their own methodologies as well as finalizing the strategies and projects to be included in the Implementation Plan.

8. Request for Future Agenda Items

Chair Dana Alvidrez requested future agenda items of interest to Committee members. Kelly LaRosa asked for clarification on the future agenda item regarding the Safety Performance Measure Final Ruling. Ms. Boone stated that it would likely be at the May regular meeting since the April 27<sup>th</sup> special meeting would be held only for the recommendation of the HSIP list of projects.

9. Next Meeting

Chair Dana Alvidrez stated that the next meeting is a special meeting scheduled for Wednesday, April 27, 2016 at 10:00 a.m. in the Chaparral Room. Ms. Alvidrez mentioned that the Committee should look for e-mails from Ms. Boone regarding the HSIP applications as well as the working group for the RSA and PA program as discussed.

10. Adjournment

Chair Dana Alvidrez adjourned the meeting at 11:15 a.m.

## MAG FY 2017 - 2018 HSIP List of Projects (Updated 04/18/2016)

Project #	Agency	Project Title	FY 2017 Funding Request	FY 2018 Funding Request	Total Project Cost	B/C Ratio
1	Glendale	Design Flashing Yellow Arrows with Geometric Modifications at Various Locations	\$ 318,948		\$ 322,514	5.3
2	Phoenix	Retroreflective Backplates - Indian School Road 47th Avenue to 79th Avenue	\$ 252,923		\$ 268,211	2.8
3	Gilbert	Traffic Signal at Ray Road and Key Biscayne Drive	\$ 90,000	\$ 391,875	\$ 481,875	11.4

Total MAG HSIP Requested	\$ 571,871.00	\$ 391,875.00
Total Amount Requested FY2017 & 2018		\$ 963,746.00
Total MAG HSIP Available	\$	508,000
Balance with Requested Funds		\$ (455,746.00)