

September 17, 2013

TO: Members of the MAG Transportation Safety Committee

FROM: Renate Ehm, City of Mesa, Chair

SUBJECT: MEETING NOTIFICATION AND TRANSMITTAL OF TENTATIVE AGENDA

Tuesday, September 24, 2013 8:30 a.m. (**NOTE: The Strategic Transportation Safety Plan Visioning Workshop will be held at 9:30 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 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 Jason Stephens 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 September 24, 2013 meeting, the quorum requirement is 12 committee members.

2. Approval of August 20, 2013 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:

- Strategic Transportation Safety Plan
- AZ SHSP Update
- New project ideas for UPWP
- Projects for Statewide HSIP

5. Programming Remaining FY2014-17 HSIP

At the special meeting held on August 20th , 2013, the committee recommended all six (6) project applications that were received by MAG in response to the call for projects for programming MAG HSIP funding allocation. A total of \$1.9million in HSIP is available in each fiscal year for qualifying projects in the MAG Planning Area for FY 2014-17 program cycle. At the previous meeting the committee discussed two options for programming the remaining funds; 1) issue a second call for projects, and 2) reserve an amount to fund future regional road safety projects that may be identified through the MAG Strategic

2. Review and approve minutes of the special meeting held on August 20, 2013.

3. For information.

4. For information and discussion.

5. For information and discussion.

Transportation Safety Plan (STSP) currently being developed. The list of projects that is expected to be approved by the MAG Regional Council on September 25, 2013 and potential available remaining funds is provided in Attachment One. The committee will discuss available options and recommend a course of action for programming the remaining FY 2014-17 HSIP funds.

6. MAG Transportation Alternatives Program: Non-Infrastructure SRTS

MAG is preparing a competitive application process for federal Transportation Alternatives (TA) program funds in FY2015-2017. Projects will be programmed under two categories: 1) Infrastructure projects and 2) Non-Infrastructure Safe Routes to School (SRTS) projects. The call for infrastructure projects is expected to be issued in late September. The call for non-infrastructure projects is expected to be issued in January. The MAG Transformation Safety Committee will provide oversight as the technical committee to review and recommend the MAG TA Safe Routes to School Non-Infrastructure programs. MAG member agencies will be the lead project applicant and would need to coordinate with affected schools for MAG TA non-infrastructure SRTS Projects. MAG will be notifying all public school districts within the MAG planning area regarding this upcoming call for projects. The committee will discuss the new TA Non-Infrastructure program process, types of projects, evaluation criteria, and how to move the program forward within the MAG TA program goals and objectives (See Attachment Two).

7. MAG Road Safety Assessment Program Criteria and Call for Projects

The MAG RSA program began in 2011 with funds from the MAG Work Program and HSIP funds. It is an implementation of a recommendation included in the 2005 Strategic Transportation Safety Plan. The RSA program

6. For information and discussion.

7. For information and discussion.

goal was to initially focus on high crash risk intersections. The first cycle of RSA projects were identified based on the MAG Top 100 Crash Risk Intersections. The RSAs have been conducted in ten (10) local agency jurisdictions which included a total of 26 signalized intersections and one arterial segment. Past committee discussions have identified the need to perform DCRs at previous RSA sites in an effort to assist local agencies develop projects that could compete for statewide HSIP. The committee will discuss the need to establish criteria for selecting RSA or DCR sites for the RSA program. Based on the outcome of this discussion MAG will issue a call for projects. These RSA's are anticipated to commence in early 2014.

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 at 10:00 a.m. on Tuesday, November 19, 2013. It will be held in the Ironwood Room on the 2nd Floor of the MAG office building.

10. Adjournment

8. For information and discussion.

9. For information and discussion.

MINUTES OF
MARICOPA ASSOCIATION OF GOVERNMENTS
TRANSPORTATION SAFETY COMMITTEE

August 20, 2013
Maricopa Association of Governments
Ironwood Room, Suite 200
302 N. 1st Ave,
Phoenix, AZ 85003

MEMBERS ATTENDING

*Linda Gorman, AAA Arizona
*Tom Burch, AARP
Larry Talley for Kohinoor Kar, ADOT
+Shane Kiesow, City of Apache Junction
+Dana Chamberlin, City of Avondale
+Thomas Chlebanowski, Town of Buckeye
Tom Roberts for Martin Johnson, City of Chandler
*Jorge Gastelum, City of El Mirage
+Kelly LaRosa, FHWA
+Mike Gillespie, Town of Gilbert
Chris Lemka, City of Glendale

*Alberto Gutier, GOHS
+Luke Albert for Hugh Bigalk,
City of Goodyear
Nicolaas Swart, Maricopa County
Renate Ehm (Chair), 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
*Jason Mahkovtz, City of Surprise
+Julian Dresang, City of Tempe
*Gardner Tabon, RPTA

OTHERS PRESENT

Margaret Boone, MAG
Leo Luo, MAG
Kiran Guntupalli, MAG

Sean Messner, URS
Mike Manthey, Parsons Brinkerhoff
Ashish Sabnekar, Kittelson Assoc.

+Teleconference
Videoconference
*Not present

1. Call to Order
Chair Renate Ehm called the meeting to order at 10:04 a.m.
2. Approval of July 23, 2013 Meeting Minutes
Chair Renate Ehm called for a motion to approve the July 23, 2013 minutes. Chris Lemka moved, Thomas Chlebanowski seconded and the motion passed unanimously.
3. Call to Audience
Chair Renate Ehm 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
None

5. FY2014-17 HSIP Call for Projects

Chair Renate Ehm stated that a total of six (6) project applications have been received by MAG from four (4) member agencies, and referred to the project list provided in Attachment One. Renate reminded the committee of the total of \$1.1M available in FY2014 and \$1.3M/yr each for FY2015-17 and that all of the proposed projects can be accommodated with the available funding. Ms. Ehm then opened the item up for discussion and possible recommendation. No questions were heard. **Ms. Ehm asked for a motion to approve the list of projects. Shane Kiesow moved to approve the recommended projects as noted on attachment one revised 8/14/2013, Chris Lemka seconded. The motion passed unanimously.** Margaret Boone opened the discussion for two options for the committee to consider as a means of programming the remaining funds; 1) consider a place holder for funding safety improvement projects that may result from the MAG Strategic Transportation Safety Plan and 2) consider a second call for projects. George Williams asked about the possibility of applying for approximately \$1M in additional construction funds for an existing Scottsdale project funded with statewide HSIP, based on the completion of a Design Concept Review. Kiran Guntupalli stated that any new funding for projects would have to be determined through an open process such as a second call for projects. Dana Chamberlin mentioned that the City of Avondale would be interested in a second call for projects. Larry Talley from ADOT stated that it is recommended that agencies submit "off the shelf" projects that may already include safety improvements eligible that could be funded for those portions. Chris Lemka stated he is in favor of funding PAs or DCRs for RSA sites in order to get the clearances done even if the construction is not yet funded, thereby building on the RSAs that have been completed in the region. Dana Chamberlin agreed with Mr. Lemka. Mannar Tamirisa asked how the RSAs could lead to systemic safety improvement projects. He further stated that most of the RSAs generated costly spot improvements and asked if local agencies should plan to use the ADOT Statewide HSIP or the MAG HSIP. Kiran Guntupalli stated that the MAG call for HSIP projects was for both systemic projects and spot improvements, and that a second call would be open for both types of projects. Ms. Boone also reminded the committee that ADOT will not be programming Statewide HSIP until 2020. Julian Dresang mentioned that there is a requirement to construct within 10 years of the start of the design process. Renate Ehm stated that four of the projects recommended for approval are sign management programs and that there may be some funds left to be programmed. Ms. Ehm also reminded the committee that with the ADOT review fee of \$30,000 that it is recommended to bring larger systemic projects to the table. Kelly LaRosa suggested that the committee consider projects based on a data driven process that address the greatest needs and trends that are impacting the agency the most, and the implementation of countermeasures that will best address those issues. Julian Dresang asked how much is available to be funded. Margaret Boone stated that there is about \$2M but that there may be an increase in each of the fiscal years 2015-2017 up to \$1.9M for each of those fiscal years and that the committee can be updated on the availability of these additional funds.

6. Reports by Committee Members

Kiran Guntupalli thanked FHWA for bringing the CMF workshop to the MAG region.

7. Request for Future Agenda Items

Chair Renate Ehm called to members for future agenda items. None were heard.

8. Next Meeting

Chair Renate Ehm noted stated that the next meeting is scheduled for Tuesday, September 24th noting the early starting time at 8:30 am to be followed by the STSP visioning event at 9:30 am.

9. Adjournment

Chair Renate Ehm adjourned the meeting at 10:33 AM

FY2014-17 MAG HSIP
Summary of Projects
As Approved By RC 9/16/2013

Agency/ID	Project Title		FY	Federal \$'s	Local \$'s	Total Cost(\$)
AVN-1	Sign Management System and Regulatory/Warning Sign Upgrade	Phase 1	2014	\$115,000	\$0	\$115,000
		Phase 2	2015	\$222,000	\$0	\$222,000
		Phase 3	2016	\$207,000	\$0	\$207,000
		Phase 4	2017	\$216,600	\$0	\$216,600
AVN-2	McDowell-Dysart Roads Accessible Pedestrian Signals	Phase 1	2014	\$45,000	\$0	\$45,000
		Phase 2	2016	\$149,904	\$0	\$149,904
BKY-1	Systemic Sign Management System and Sign Panel Reflectivity Upgrades	Phase 1	2014	\$220,500	\$0	\$220,500
		Phase 2	2016	\$167,400	\$0	\$167,400
GLN-1	59th Avenue and Olive Avenue Design & Construction	Phase 1	2014	\$287,615	\$17,385	\$305,000
		Phase 2	2017	\$1,310,770	\$57,855	\$1,368,625
GLN-2	Sign Management System of Local Roads and Sign Upgrades on Arterial, Collector, and Local Roads	Phase 1	2014	\$245,000	\$0	\$245,000
		Phase 2	2015	\$120,000	\$0	\$120,000
GDY-1	Sign Inventory Management System and Sign Upgrades	Phase 1	2014	\$180,000	\$0	\$180,000
		Phase 2	2016	\$75,000	\$0	\$75,000

FY	Federal \$'s	Available Funds	Remaining
2014	\$1,093,115.00	\$ 1,453,707.00	\$ 360,592.00
2015	\$342,000.00	\$ 1,598,932.00	\$ 1,256,932.00
2016	\$599,304.00	\$ 1,600,097.00	\$ 1,000,793.00
2017	\$1,527,370	\$ 1,900,000.00	\$ 372,630.00

NOTE: 2014-16 \$1.9M reduced by the amount already programmed.

Transportation Alternatives Program (TAP) DRAFT Goals and Objectives – August 2, 2013

Goals:

1. Improve pedestrian and bicyclist accessibility and connectivity on the transportation network.
2. Assist in providing a safe environment for the bicyclists and pedestrians on both the on-street and the off-street transportation networks.
3. Make bicycling and walking to K-8 schools a safer and more desirable transportation alternative to motorized vehicles.

Definitions

- **Accessibility:** The ability of transportation infrastructure improvements to provide better access to transit stops, destinations, schools, homes/subdivisions, and employment for people that are walking or biking for all ages and abilities.
- **Connectivity:** The ability of transportation infrastructure improvements to link the proposed project to other bike/pedestrian facilities, completing a gap in a bike/pedestrian facility, or a city/town.
- **Safety:** Projects that make a street safer by addressing a perceived or observed safety problem, including (but not limited to): high vehicle speed, crashes, striping, intersection crossings, or mid-block crossings.

Objectives:

- Fund eligible Transportation Enhancement and Safe Routes to School projects through the federal MAP-21 Transportation Alternatives fund.
- Fund bike and pedestrian improvement projects that provide a safe transportation route or improve a transportation route for (K-8) students to schools.
- Fund bike and pedestrian improvement projects that address a perceived or observed problem/safety issue, including (but not limited to) unsafe street crossings; missing, narrow or poorly maintained sidewalks; adding/improving bike lanes (restriping, widening, colored pavement); or disconnected/inaccessible bike or pedestrian facilities, while connecting residents to transit stops/centers or other destinations.
- Fund Safe Routes to School non-infrastructure projects that educate and encourage K-8 students, parents, and school resources officers/staff on bicycle and walking options.
 - GUIDELINE - Funding will be set aside at 6% of total Transportation Alternatives funding, with a maximum yearly total of \$250,000. If the total value of projects awarded for Safe Routes to School non-infrastructure projects is less than the total programmed set-aside, remaining funds will be applied toward eligible infrastructure projects.
 - GUIDELINE – These projects will need to evaluate on a quarterly basis as required by the federal government, and address enforcement and encouragement. (need to verify what needs to go here with FHWA and ADOT).
- Utilize evaluative tools based on quantitative and qualitative performance measures to inform project rankings in the application process.

MAG RSA Program

Proposed Criteria for Evaluating Intersection RSA Applications

MAG Network Screening Methodology for Intersections

Ranks all crash sites identified in the ALISS database as intersections

3-Factor Analysis:

	Numerical Value	
	Min	Max
Crash Frequency Score CF	0	1.0
Crash Severity Score CS (Weighted KABCO scale: K=1450, O=1).....	0	1.0
Crash Type CT OR Collision Manner Score	0	1.0
Intersection Safety Score (ISS) = 0.2 (CF) + 0.6 (CS) + 0.2 (CT).....	0	1.0

Results of Three Factor Analysis produces a ranked list of all intersection crash sites – with approx. 17,000 sites. All intersection related crashes for 2010-2012 lead to ? unique intersection sites

Proposed Criteria:

1. RSAs shall not be considered for any intersection that is ranked below #500 for crash risk.
2. The ranking based on the ISS score from 3-Factor Analysis for the most recent 3-year period shall be the sole determinant for ranking intersection RSA applications. For example, for the next cycle of RSAs applications will be based on ISS Ranking for 2010-2012 crash data.