MARICOPA ASSOCIATION of GOVERNMENTS

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July 20,2009

TO: Members of the MAG Transportation Safety Committee

FROM: Kerry Wilcoxon, Chair, MAG Transportation Safety Committee

SUBJECT: MEETING NOTIFICATION AND TRANSMITTAL OF TENTATIVE AGENDA

Tuesday, July 28, 2009- 10:00 a.m.
MAG Office Building, 2nd Floor, Cholla Room
302 North First Avenue, Phoenix

The next 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 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	
2. Approval of April 28, 2009 Meeting Minutes	2. Review and approve minutes of the meeting held on April 28, 2009.

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.

3. For information.

4. Program Managers Report

The following items will be addressed:

- Regional Transportation Safety Information Management (RTSIMS) Project Update
- 2009 Regional School Crossing Guard Training Workshops & Safety Kits
- Traffic Records Forum - Update

4. For information and discussion.

5. ADOT Safety Data Mart - A Demo

ADOT Traffic Records with funding from Traffic Records Coordinating Committee (TRCC) developed a system to provide an easy access to crash data to all member agencies. ADOT will demonstrate the functionality of this system and procedure to provide access to this system.

5. For information and discussion.

6. New Format for Reporting Crash Statistics

The reporting of crash statistics at the MAG website was recently changed into a new format and has been updated with the addition of 2007 crash information for the region. A demonstration of the web-based information will be provided for review by the committee.

6. For information and discussion.

7. Update on Elderly Mobility Sign Project

The Arizona State University (ASU), hired by MAG through an on-call contract, is performing an evaluation of the safety impacts of the Elder Mobility Sign Project. The principal investigator will provide a status update on the project.

7. For information and discussion.

8. Interactive Highway Safety Design Model (IHSDM) - Crash Prediction Model

The IHSDM is a product of the Federal Highway Administration's Safety Research and Development Program. It consists of a suite of software analysis tools for explicit, quantitative evaluation of road safety. It may be used during planning, design or operational stages for evaluating road safety, and incorporates several recommendations to be included in the Highway Safety Manual to be released in 2010. The FHWA recently hosted a webinar to demonstrate a module within the IHSDM called the Crash Prediction Model (CPM). This application was reviewed by MAG staff as it might be useful for safety planning purposes, both at regional and local levels. An overview of this product will be presented to the committee.

8. For information and discussion.

9. 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. For information and discussion.

10. Next Meeting

The next meeting will be held on Tuesday October 27, 2009 at 10:00 AM.

10. For information.

11. Adjournment

DRAFT MINUTES OF MARICOPA ASSOCIATION OF GOVERNMENTS
TRANSPORTATION SAFETY COMMITTEE

April 28, 2009
MAG Cholla Room, 2nd Floor
302 North First Avenue
Phoenix, Arizona

MEMBERS ATTENDING

*Linda Gorman, AAA Arizona
*Tom Burch, AARP
Pradeep Tiwari for Reed Henry, ADOT
Shane Kiesow, Apache Junction
*Simon Washington, Arizona State University
Margaret Boone-Pixley, City of Avondale
Martin Johnson, City of Chandler
*Lt. Mike Lockhart, DPS
*Jorge Gastelum, City of El Mirage
Karen King, FHWA
Kurt Sharp, Town of Gilbert
Lazaro Veitia for Chris Lemka, City of Glendale
Hugh Bigalk, City of Goodyear
+Linda Mendyka, GOHS
Chris Plumb, Maricopa County
Sanja Grujakovic for Renate Ehm, City of Mesa
+William Mead, Paradise Valley
+Jamal Rahimi, City of Peoria
Kerry Wilcoxon, City of Phoenix (Chair)
George Williams for Paul Porell, City of Scottsdale
John Abraham, City of Surprise
Julian Dresang, City of Tempe
Gardner Tabon, Valley Metro

OTHERS PRESENT

Rob Gray, ASU
Jothan Samuelson, ASU
Brianna Ross, Michael Baker
Richard Weeks, AECOM
Armand Ciccarelli, PBS&J
Sarath Joshua, MAG
Kiran Guntupalli, MAG
Leo Luo, MAG

+Teleconference
*Not present or represented by proxy

1. Call to Order
Chairman Kerry Wilcoxon called the meeting to order at 10:03 AM

2. Approval of October 28, 2008 Meeting Minutes
Margaret Boone-Pixley moved and Julian Dresang seconded and it was unanimously carried to approve the minutes of the meeting held on January 27, 2009.

3. Call to Audience
Chairman Kerry Wilcoxon made a call to the audience providing an opportunity to members

of the public to address the Transportation Safety Committee. No public comments where received.

4. Program Manager's Report

Sarath Joshua reported on the following items:

- 2009 Safe Routes to School Grants administered by Arizona DOT has resulted in the following grants to agencies/projects from this region:
  - **Infrastructure**
    - City of Phoenix – for new sidewalks at Mitchell School in support of their Safe Routes To School Program
    - City of Phoenix - Safe Crossing To School
  - **Non Infrastructure**
    - Town of Gilbert - 5Es Stabilization Project
    - Phoenix Children's Hospital (PCH) - Creighton School District SRTS Program
    - Maricopa Department of Public Health (MCDPH) -Walk-n-Rollers
    - Deer Valley Unified School District (DVUSD) /City of Peoria - Walk and Bike to School Encouragement Programs, Phase 3
    - Apache Junction Safe and Fit
  - **Materials & Regional Support Program**
    - MAG – For Safety Kits to be provided to each participating school crossing guard at the annual Regional Crossing Guard Training Workshop

- Regional Transportation Safety Information Management System

  Sarath Joshua reported that Kimley-Horn and Associates has submitted a fee proposal for the next phase of this project. A task order is being processed and will be sent out shortly. Pradeep Tiwari from ADOT asked whether the RTSIMS would overlap with ADOT's Safety Data Mart application. Sarath Joshua explained that, based on what he knows about the ADOT system, the RTSIMS when fully developed will have more of the desired functionality than the system currently being developed by ADOT. Chris Plumb asked if MAG is planning on checking and correcting the errors in the crash database due to inaccurate reporting. Sarath Joshua replied that none of the ALISS crash data will be modified at MAG, and that the responsibility for any corrections or revisions to ALISS data would stay with ADOT.

- ALISS Crash Database

  ADOT ALISS Crash Database has undergone some changes. All reported crashes are now supposed to be recorded using a new Crash Report Form. This change became effective on January 1, 2009. ADOT has developed a system that allows any local agency to retrieve their crash data, provided the local agency has executed a Data Access Agreement with ADOT. This agreement will also allow local enforcement agencies to electronically transfer crash data to ADOT to be entered in ALISS.

5. Safety and Elderly Mobility Sign Project

Maureen DeCindis from MAG reported to the committee that $75,613 was remaining from the $400,000 Safety and Elderly Mobility Sign project as the City of Phoenix could not spend their share of money. Committee members discussed priorities for distributing these funds. A tentative list of priorities for distributing these funds were listed in Attachment One. One addition to this list was made based on a request for reimbursement made to the committee by Margeret Boone-Pixley of Avondale, for $700 for a cost overrun and $1,000 for additional signs.

Priority #1: City of Phoenix Request for $25,000,
Priority #2: Reimburse cost overruns
Priority #3: New Signs.

John Abraham moved, Julian Dresang seconded and it was unanimously carried to recommend approval of the following distribution for remainder of project funds:

Priority#1: City of Phoenix - $25,000
Priority#2: Reimburse cost overruns reported to MAG (total $17,998):
City of Surprise - $5,552
City of Litchfield Park - $ 1,624
City of Tolleson - $1,309
City of Mesa - $9,513
City of Avondale - $1,700 (includes $1,000 for additional signs)

The remaining $30,915 is to be equally divided among Tempe, Mesa and Surprise.
City of Tempe - $10,305
City of Mesa - $10,305
City of Surprise - $10,305

6. Evaluation of Safety and Elderly Mobility Sign Project

Sarath Joshua reported to the committee Arizona State University was recently hired through the on-call contract to perform an evaluation of the safety impact of the Elderly Mobility Sign Project. He introduced Dr. Robert Gray from Arizona State University who was attending the meeting and also stated that Dr. Simon Washington, Dr. Robert Gray and Jothan Samuelson will be the team performing the evaluation. Dr. Gray was invited to speak to the committee on the project and he briefed the committee on the study objectives, analysis methodology, subject recruitment plan and planned schedule. He also explained constraints of other evaluation methodologies and advantages of using a driver simulator over other methodologies.

7. Safety Measures for MAG Performance Measurement and Congestion Management Study

The committee members were briefed by Sarath Joshua on a MAG project that is developing a Framework for Performance Measurement and a Congestion Management Process for the region. Monique de los Rios-Urban from MAG provided an overview of the MAG project. She highlighted the Proposition 400 and SAFETEA-LU requirements for performance

monitoring. She described the various measures that will be used to measure system performance. She described the tentative list of safety performance measures, that has been generated in consultation with MAG staff and committee members. She requested the committees review and action to recommend a list of measures that could be used to report on Safety Performance. The committee fully supported the idea of including road safety in future systemwide reports on performance measurement.

Chris Plumb moved and Margaret Boone-Pixley seconded and it was unanimously carried to recommend inclusion of the following road safety measures as part of the MAG Performance Measurement Study:

- Annual Trend of All Crashes, Injury Crashes, Fatal Crashes, Injuries, Fatalities (2005-2007, OR most recent 3-years of crash data)
- Pedestrian Crashes - All Crashes, Injury Crashes, Fatal Crashes, Injuries, Fatalities (2005- 2007, OR most recent 3-years of crash data)
- Pedestrian Injuries + Fatalities per 100K Population in Each MAG Jurisdiction (2007, OR most recent year of crash data)
- Bicyclist Crashes - All Crashes, Injury Crashes, Fatal Crashes, Injuries, Fatalities (2005- 2007, OR most recent 3-years of crash data)
- Severe Bicyclist Crashes (Injuries + Fatalities) per 100K Population in each MAG Jurisdiction (2007, OR most recent year of crash data)
- Freeway Crashes: Annual Crash Frequency by Severity (injuries, fatalities) for each Freeway Corridor (2005- 2007, OR most recent 3-years of crash data)
- Freeway Crash Rates, Injury Rates, Fatality Rates by Freeway Corridor(2005- 2007, OR most recent 3-years of crash data)
- Truck Related All Crashes on Freeways (annual frequency only): Injury Crashes, Fatal Crashes by Freeway Corridor(2005- 2007, OR most recent 3-years of crash data)
- Truck Related Crashes on Arterials and Local Roads (annual frequency only), All Crashes, Injury Crashes, Fatal Crashes on All Arterial and Local Roads (2005-2007, OR most recent 3-years of crash data)
- Top 25 High Crash Risk Intersections (2005-2007, OR most recent 3-years of crash data)

The ranking of the Top 25 High Crash Risk Intersections will be generated by applying the following crash severity weighting scheme that is based on the costs attributed to various crash severities by FHWA and ADOT:
Fatal = 1450
Incapacitating Injury = 100
Non-Incapacitating Injury = 20
Possible Injury = 11
No Injury = 1.

8. <u>Availability of Highway Safety Improvement Program (HSIP) Funds</u>

In introducing this topic Sarath Joshua explained that in August 2008, Arizona DOT announced a new approach for the distribution of road safety funds that would seem to better

distribute available road safety funds across the state. This change in effect terminated the previous HES application process. Due to staff changes at ADOT, the process has not been finalized or announced to MPOs and COGs. Reed Henry in an email sent to Sarath Joshua explained that he was working with John Dickson and MPD to develop letters to each MPO/COG requesting that they add HSIP funds to their TIP. The letters would specifically identify how much the MPO/COG should place in their TIP ($1,000,000 for MAG, $750,000 for PAG and $600,000 for the rest of the MPOs/COGs) with specific disclaimers if the new Federal Transportation Act changes the HSIP program. The letter would need to come from the MPD Director. He also stated that ADOT would not accept any new HES or HSIP safety project applications for future fiscal years until the new process is in place.

9. Reports by the Committee Members on Transportation Safety Activities

Pradeep Tiwari from ADOT reported that he is working with Safety Analyst. He told that it is a comprehensive suite with network screening, diagnose, select counter measures and evaluate the effectiveness of the countermeasures on the system. Chris Plumb from MCDOT reported that MCDOT is working on generating annual report on crash data for the un-incorporated areas. He also said that they are planning on doing a RSA for a county island near North East Mesa between Sossman to Meridian, along Apache Trail. Shane Kiesow from Apache Junction reported that they are auditing all their school zones for signage and other traffic control devices. He said that they are trying to be proactive in improving safety around schools. George Williams from Scottsdale reported that they are working on generating Safety Report for Scottsdale using 2008 crash data. Sarath Joshua reported that MAG is partnering with member agencies and AAA Arizona and hosting Regional Crossing Guard Training Workshops for the fourth consecutive year. These workshops will be held on July 30, 2009 in Peoria and on August 6, 2009 in Mesa.

10. Next Meeting

The next Transportation Safety Committee meeting is scheduled to be held on July 28, 2009 at 10:00AM in the Cholla Room at MAG.

11. Adjournment

Chairman Kerry Wilcoxon adjourned the meeting at 12:05 PM.