

November 30, 2011

TO: Members of the MAG Intelligent Transportation Systems Committee

FROM: Debbie Albert, City of Glendale, Chair

SUBJECT: MEETING NOTIFICATION AND TRANSMITTAL OF TENTATIVE AGENDA

Wednesday, December 7, 2011- **10:00 a.m.**
MAG Office Building, 2nd Floor, Ironwood Room
302 North First Avenue, Phoenix

A meeting of the ITS Committee has been scheduled at the time and place noted above. Committee members or their proxies may attend **in person or by video conference or by telephone conference call**. 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 ITS 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

- | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <ol style="list-style-type: none">1. <u>Call to Order</u>2. <u>Approval of the November 2, 2011 and November 28, 2011 Meeting Minutes</u> | <ol style="list-style-type: none">2. Review and approve minutes of the meetings held on November 2, 2011, and November 28, 2011. |
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3. Call to Audience

An opportunity will be provided to members of the public to address the ITS 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 the ITS Committee requests an exception to this limit. Please note that those wishing to comment on action agenda items will be given an opportunity when the item is heard.

4. Program Managers Report

The following items will be discussed:

- FY2011 TSOP Project Status
- FY2012 TSOP Recommendation
- Meeting schedule for 2012 (See Attachment One)

5. Arterial Transportation Systems Management and Operations Study

This study has conducted a regional survey on the state of the practice in traffic management and operations and prepared a comprehensive status report based on the findings that will be posted at the MAG website. The temporary link to the draft web pages:

<http://webdev.kimley-horn.com/MAG-RTSMO/>

When finalized these web pages will be incorporated at the MAG web site. The web pages will be presented for committee review and feedback.

6. ITS Planning in Smaller Jurisdictions

This study is developing guidelines for ITS planning in smaller jurisdictions. Two draft technical memorandums that address Tasks 4 and 5 of study have been distributed to the committee via email. A brief presentation

3. For information and discussion.

4. For information and discussion.

5. For information and discussion.

6. For information and discussion.

will be made on the study progress and upcoming study tasks.

7. Reports by Committee Members

Members will be provided an opportunity to share information related to on-going ITS activities in their jurisdictions.

8. Request for Future Agenda Items

Topics or issues of interest that the ITS Committee would like to have considered for discussion at a future meeting will be requested.

9. Next Meeting Date and Place

The next committee meeting is scheduled to be held at 10:00 a.m. on Wednesday, January 4, 2012 It will be held in the Ironwood Room on the 2nd Floor of the MAG office building.

7. For information and discussion.

8. For information and discussion.

9. For information and discussion.

Adjournment

**DRAFT MINUTES OF THE
MARICOPA ASSOCIATION OF GOVERNMENTS
INTELLIGENT TRANSPORTATION SYSTEMS COMMITTEE**

November 2, 2011
MAG Ironwood Room, 2nd Floor
302 North First Avenue
Phoenix, Arizona

MEMBERS ATTENDING

Reza Karimvand, ADOT	Luke Albert, City of Goodyear
*Soyoung Ahn, ASU	Faisal Saleem for Nicolaas Swart, Maricopa County
**Margaret Boone-Pixley for Bennie Robinson, City of Avondale	*Suresh Shrimavle, METRO
**Thomas Chlebanowski, Town of Buckeye	*Derrick Bailey, City of Mesa
Mike Mah, City of Chandler	**Ron Amaya, City of Peoria Marshall Riegel, City of Phoenix
*Captain R. Brant Benham, DPS Jorge Gastelum, City of El Mirage	Bob Ciotti, Phoenix Public Transit
**Jennifer Brown, FHWA	*Bill Birdwell, Town of Queen Creek
Kurt Sharp, Town of Gilbert	**Bruce Dressel, City of Scottsdale Nicholas Mascia City of Surprise
Debbie Albert, City of Glendale	Catherine Hollow, City of Tempe Ratna Korepella, RPTA

OTHERS PRESENT

**Mike Benjamin, Regional 911	Nicole Patrick Maricopa County
Liz Ceraeber, Regional 911	Min Zhang, Surprise
Stin Weber, Glendale	Trevor Ebersole, Glendale
Darrell Bingham, ADOT	Don Wiltshire, YSMA
Madhuri Uddaraju, Atkins	Jay Yenerich, PB
Steve Blair, ITS Engineers	Dan Hartig, Ayres
Jim Lee, Lee Engineering	Natalie Carrick, Michael Baker
Jeff Jenq, OZ Engineering	David Riley, UCG
Deanna Haase, KHA	Sarah Simpson, UCG
Micah Henry, MAG	Audrey Skidmore, MAG
Leo Luo, MAG	Kiran Guntupalli, MAG

- * Not present
- ** Via teleconference

1. Call to Order
Chair Debbie Albert called the meeting to order at 10:03 AM.
2. Approval of the October 5, 2011 Meeting Minutes
After noting a few minor corrections, Reza Karimvand moved, Catherine Hollow

seconded and it was unanimously carried to approve the minutes of the meeting held on October 5, 2011.

3. Call to Audience

Chair Debbie Albert made a call to the audience providing an opportunity for any members of the public to address the ITS Committee. No comments were received.

4. Program Manager's Report

Sarath Joshua addressed the following items in his report:

- FY2011 TSOP project update: Nine (9) projects have been completed. Five (5) projects are still underway. Two (2) projects are about to start. The total cost for all the projects is \$434,000. An estimated of \$30,000 will be forwarded to the next year.
- FY2012 TSOP Call for Projects. The project selection criteria were briefly reviewed, including before-and-after studies and the different types of TSOP projects that would be considered. The project applications will be due on November 18. A special meeting will be held on November 28, 2011 for the ITS committee to make a formal recommendation of FY2012 TSOP projects.
- ITS Planning in Smaller Jurisdictions: The project is underway and is expected to be completed soon.
- Status of Regional Transportation Systems Management & Operations: Responses to the survey have been received from all member agencies. The CONSULTANT—Kimley Horn Associates is finalizing the results of the survey. The agreed-upon contents of the survey will be presented as webpages at the MAG website. The project is expected to be completed in December.
- ITS World Congress & ITS America Annual Meeting: The focus of ITS appears to have shifted towards improving road safety. Significant efforts are underway for improving road safety using technology. Sarath suggested that the committee could explore efforts in the region. Reza Karimvand agreed on the shift towards safety in ITS applications. He also mentioned that it was his observation that Arizona is clearly among the most advanced states in the nation in ITS applications.

5. Emergency Vehicle Preemption

In introducing the agenda topic Sarath Joshua mentioned that Darryl Crossman, City Manager of Litchfield Park, had expressed concern of the potential for conflicts between emergency vehicles and others at signalized intersections. Arthur Dock from Mesa was invited to provide an update on the work being carried out by a small group of staff from east valley cities that have been working on Emergency Vehicle Preemption (EVP) for a number of years. Arthur mentioned the east valley cities have generated a common coding scheme that would allow preemption of traffic signals by emergency vehicles from other jurisdictions. He also explained the reason for the common coding scheme is to prevent the abuse of the preemption system by unauthorized users who may have access to illegal devices. The coded operation has been adopted by all participating cities: Tempe, Mesa, Chandler and Gilbert. The preemption confirmation light was also discussed, including the confirmation lights to the emergency vehicle operators and the traveling public. The City of Mesa has installed central software so that the emergency vehicles, intersections and the preemption operation can be monitored in real-time. Reza Karimvand asked what types of vehicles could preempt signals. Arthur mentioned that it varies by agencies. Typically, fire department and EMS have the capability. Others may

include ambulance, police, etc. However, more disruptions will occur if more vehicles are preempting the signals. Arthur further introduced several available confirmation light technologies for traveling public. Chair Debbie Albert asked if GPS based technologies are also considered in EVP. Arthur mentioned that the patent and compatibility issues between the vendors could be a potential problem. Sarath suggested including the EVP topic in the Status of Regional Transportation Systems Management & Operations project. Margaret mentioned that Avondale has implemented EVP confirmation lights at a few intersections. She suggested that Bennie Robinson could provide more detailed information if Darryl Crossman and others are interested. Other topics related to the EVP confirmation lights including maintenance, the availability of EVP at the intersection, crash history, etc. were also discussed. Arthur mentioned that the east valley group will be continuing the EVP discussion.

6. RCN No-Cost Service Request

Audrey Skidmore from MAG reported that the MAG RCN Working Group had received a no-cost service addition request from Maricopa Regional 911 to use RCN as an additional redundant path for their communications. The communication bandwidth needed is around 5Megabits per second. This request for approval submitted to MAG is to allow the 911 communications traffic on the RCN network. The Regional 911 will contact each member agency for approval of connection and negotiate other details. In this request, Maricopa Regional 911 acknowledges the limits of the RCN. Audrey also mentioned that additional data the transportation community may be able to obtain by working with the public safety sector. **Catherine Hollow moved, Faisal Saleem seconded and it was unanimously carried to approve the use RCN as an additional redundant path for Maricopa Regional 911 communications.**

7. Status Reports by Committee Members

Reza Karimvand from ADOT mentioned that the new TOC video is under procurement. The State DMS plan is under final review. The United Civil Group is conducting the FMS ramp meter system evaluation. A project to develop the state's ITS Architecture will hold its kick-off meeting next week. The FMS along I-17 from Loop 101 to SR74 has been advertised for design. Bruce Dressel from Scottsdale mentioned that a high bandwidth wireless communications project is underway. More information will be provided to the committee when the installation is completed. Chair Debbie Albert mentioned that Glendale is changing their centralized traffic signal control system from the i2 system by Siemens to KITS system by Kimley-Horn and Associates.

8. Request for Future Agenda Items

No future agenda item was received.

9. Next Meeting Date and Place

Next meeting will be held on Monday November 28, 2011, in the Ironwood Room (2nd floor) at MAG at 10:00 a.m.

Adjournment

Chair Debbie Albert adjourned the meeting at 11:30 a.m.

**DRAFT MINUTES OF THE
MARICOPA ASSOCIATION OF GOVERNMENTS
INTELLIGENT TRANSPORTATION SYSTEMS COMMITTEE**

November 28, 2011
MAG Ironwood Room, 2nd Floor
302 North First Avenue
Phoenix, Arizona

MEMBERS ATTENDING

Farzana Yasmin for Reza Karimvand, ADOT	**Luke Albert, City of Goodyear
*Soyoung Ahn, ASU	Bob Steele for Nicolaas Swart, Maricopa County
**Bennie Robinson, City of Avondale	*Suresh Shrivavle, METRO
**Paul Ward for Thomas Chlebanowski, Town of Buckeye	**Avery Rhodes, City of Mesa
Hong Huo for Mike Mah, City of Chandler	Ron Amaya, City of Peoria
*Captain R. Brant Benham, DPS	Marshall Riegel, City of Phoenix
Jorge Gastelum, City of El Mirage	*Bob Ciotti, Phoenix Public Transit
**Jennifer Brown, FHWA	Bill Birdwell, Town of Queen Creek
**Kurt Sharp, Town of Gilbert	Bruce Dressel, City of Scottsdale
**Debbie Albert, City of Glendale	*Nicholas Mascia City of Surprise
	Catherine Hollow, City of Tempe
	Ratna Korepella, RPTA

OTHERS PRESENT

Jason Watson, Horrocks Inc.
Leo Luo, MAG

- * Not present
- ** Via teleconference

1. Call to Order
Chair Debbie Albert called the meeting to order at 10:09 AM.
2. Call to Audience
Chair Debbie Albert made a call to the audience providing an opportunity for any members of the public to address the ITS Committee. No comments were received.
3. Recommendation of Projects for FY 2012 Traffic Signal Optimization Program (TSOP)
Sarath Joshua briefly summarized the FY2012 TSOP applications received from the member agencies. All projects included an implementation component of new signal timing. Most projects also requested before and after studies. Marshall Riegel from Phoenix requested adding 5 more intersections to the list of implementation. Hong Huo from Chandler mentioned that it may not be necessary to conduct before and after study for all the intersections involved. Sarath indicated that the intent was to have a before and

after study conducted on one or two selected corridors from the city. Leo Luo briefly mentioned the method and cost estimate for the before and after study. Leo Luo also confirmed with Bob Steele that member agencies will receive the before and after study results in an Excel format. The additional calculations such as delay, average speed, etc. will also be included in the scope for the consultants. Sarath Joshua also mentioned that the results will be presented in the same format for all projects. The criteria for before and after study will be provided to committee members. Kurt Sharp mentioned the original cost estimation of the Gilbert application includes before and after study cost. Sarath mentioned that the project costs will change slightly. The final cost will be determined when MAG negotiates the cost with the consultants. Sarath confirmed with Marshall Riegel that the before and after study will be separated from the timing or data collection scope. **Catherine Hollow moved, Marshall Riegel seconded and it was unanimously carried to recommend the list of projects to be included in the FY2012 TSOP program. Before and After studies will be conducted for all the projects.**

4. Next Meeting Date and Place

Next meeting will be held at the 2nd floor in the Ironwood Room at MAG at 10:00 a.m. on Wednesday December 7, 2011.

Adjournment

Chair Debbie Albert adjourned the meeting at 10:40 a.m.

**2012 MAG ITS Meeting Schedule
RCN Working Group, ITS Committee**

January 4, 2012:	8:45am 10:00am	RCN WG ITS Committee
February 1, 2012:	8:45am 10:00am	RCN WG ITS Committee
March 14, 2012:	8:45am 10:00am	RCN WG ITS Committee
April 4, 2012	8:45am 10:00am	RCN WG ITS Committee
May 2, 2012	8:45am 10:00am	RCN WG ITS Committee
June 6, 2012	8:45am 10:00am	RCN WG ITS Committee
July 11, 2012	8:45am 10:00am	RCN WG ITS Committee
August 1, 2012	8:45am 10:00am	RCN WG ITS Committee
September 5, 2012	8:45am 10:00am	RCN WG ITS Committee
October 3, 2012	8:45am 10:00am	RCN WG ITS Committee
November 7, 2012	8:45am 10:00am	RCN WG ITS Committee
December 5, 2012	8:45am 10:00am	RCN WG ITS Committee