

July 3, 2013

TO: Members of the MAG Intelligent Transportation Systems Committee

FROM: Catherine Hollow, City of Tempe, Chair

SUBJECT: MEETING NOTIFICATION AND TRANSMITTAL OF TENTATIVE AGENDA

Wednesday, July 10, 2013- **10:00 a.m.**
MAG Office Building, 2nd Floor, Ironwood Room
302 North First Avenue, Phoenix

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

	<u>COMMITTEE ACTION REQUESTED</u>
1. <u>Call to Order</u>	
2. <u>Approval of the May 1, 2013 Meeting Minutes</u>	2. Review and approve minutes of the meeting held on May 1, 2013.

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:

- TSOP projects
- ITS Architecture Update
- Status of new On-Call Contracts

5. Regional Community Network (RCN) Working Group Update and Video Multicast Access

An update on RCN Working Group activities will be followed by a demonstration on video sharing via the RCN. Member agencies that are currently linked to the RCN fiber-optic backbone have the ability to view ADOT freeway camera images in several ways. MAG staff has provided technical assistance to a number of agencies that have expressed interest in configuring their end devices to accomplish this. A brief demonstration will be provided on FMS video sharing via the RCN.

6. Integrated Corridor Management (ICM) Action Plan Next Steps

The ICM Action Plan was finalized and

3. For information and discussion.

4. For information and discussion.

5. For information and discussion.

6. For information and discussion.

recommended at the last committee meeting. This Plan was developed by the committee in response to the identification by two MAG studies of the potential value of implementing of effective operational improvements in the I-10 & I-17 corridors. An update will be provided on the next steps in the MAG planning process for implementing components of the Plan that needs to be approved for funding by MAG.

7. FY2014 TSOP Call for Projects

A call for new TSOP projects is planned to be announced later this month. Approximately \$320,000 is currently available for new projects. An overview will be provided on all TSOP projects carried out during the previous on-call contract. Priorities that may need to be included in the call for projects, and the planned schedule will be discussed. These projects will be conducted utilizing the consultants qualified in the new MAG ITS On-Call Services Contract.

8. Reports by Committee Members

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

9. 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.

10. Next Meeting Date and Place

The next committee meeting is scheduled to be held at 10:00 a.m. on Wednesday, August 7, 2013. It will be held in the Ironwood Room on the 2nd Floor of the MAG office building.

Adjournment

7. For information and discussion.

8. For information and discussion.

9. For information and discussion.

10. For information.

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

May 1, 2013

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	Nicolaas Swart, Maricopa County
Chris Hamilton, City of Avondale	Tricia Boyer for Avery Rhodes, City of Mesa
+ Thomas Chlebanowski, Town of Buckeye	**Ron Amaya, City of Peoria
Mike Mah, City of Chandler	Marshall Riegel, City of Phoenix
Jeff Eavenson for Captain Burley Copeland, DPS	Bill Birdwell, Town of Queen Creek
+ Jorge Gastelum, City of El Mirage	Steve Ramsey, City of Scottsdale
+ Jennifer Brown, FHWA	Albert Garcia for Jason Mahkovtz, City of Surprise
Erik Guderian, Town of Gilbert	Catherine Hollow, City of Tempe
Trevor Ebersole for Debbie Albert, City of Glendale	Ratna Korepella, RPTA

OTHERS PRESENT

David Riley, UCG Inc	Arnab Gupta, PB Inc
John Prowse, Lee	Jay Yenerich, PB Inc
Joey Paskey, Atkins	Bo Gao, Stanley Inc
Doug McCants, Atkins	Dan Hartig, Ayres Inc
Eldon Dehnert, Sierra Trans.	Deanna Haase, KHA
Craig Cheney, MAG	Lisa Burgess, KHA
Audrey Skidmore, MAG	Jeff Jenq, OZ
Margaret Boone, MAG	Don Wiltshire, YSMA LLC
Kiran Guntupalli, MAG	Ryan Gish, MAG
Leo Luo, MAG	Sarath Joshua, MAG

+ Not present

** Teleconference

1. **Call to Order**

Vice Chair Catherine Hollow called the meeting to order at 10:07 a.m.

2. Approval of the March 27, 2013 Meeting Minutes
Nicolaas Swart moved, Marshall Riegel seconded and it was unanimously carried to approve the minutes of the meeting held on March 27, 2013.
3. Call to Audience
Vice Chair Catherine Hollow 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:
 - TSOP Update
FY2011 Bell Road Project has been completed. Seven (7) FY2012 projects have been completed, with six (6) more still underway. All ten (10) FY2013 projects are also underway. All these projects are expected to be completed by the end of June.
 - MAG Planning Area Change
The MAG Planning Area is likely to expand. If approved, several new towns and cities will be joining MAG. They will have the options of appointing staff for various MAG committees once joining MAG. Additional funding may come to the region. However, the competition for project funding is also likely to increase.
5. RCN Update and Fiber Mapping
Ryan Gish from MAG reported that the City of Tempe as well as two (2) 911 dispatch locations was recently connected to the RCN network. Future addition of the Town of Gilbert and City of Glendale locations are under discussion. MAG has received the latest version of Camera Cameleon from ADOT. Once the testing is completed, the new version will be installed at other member agencies. A potential fiber mapping project to identify low cost opportunity to expand RCN was discussed at the MAGTAG. Most agencies expressed the interests in participation. MAG is looking for input from the ITS Committee. With the support of both MAGTAG and MAG ITS Committee, the project could move forward. In response to a clarification request from Sarath Ryan confirmed that the proposed RCN mapping would be at a high level. Vice Chair Catherine Hollow asked how the fiber mapping will be maintained. Ryan responded that the details of the project will be discussed at a working group once the project is approved by both Committees. In general, MAG would maintain information when updates were provided by member agencies.
6. Action Plan for Improving Operations on I-10 and I-17
Sarath Joshua went over the Draft Action Plan for Improved Operations on I-10 and I-17. Vice Chair Catherine Hollow mentioned that the arterial needs on I-10 East portion are not clearly stated in the Draft Action Plan. Lisa Burgess mentioned that the actual cost estimate does include the I-10 East arterials, but the plan needs to be updated to clearly identify the infrastructure and operations needs at that segment. Sarath Joshua mentioned that continuous resources required for any personnel need to be addressed beyond the ICM project. He also pointed out that some of the items identified may not have direct

link to the ICMS. The City of Tolleson had provided clarification related to the maintenance and control of signals. Some of the costs related to FMS needs to be verified since the FMS funding already covers those. Reference to the spacing of mainline detections on freeways need to be clarified. References to land use changes and freeway expansion should not be included as ICMS strategies. Erik Guderian pointed out an error related to Chandler cost estimate. Sarath suggested revising the wording for the central segment. Instead of stating that no viable options exist for diversion onto arterials, it may be better to state that considering the time frame of the project and the density of the freeways in the central segment, arterial diversion options will be further explored in the future. Ratna Korepella from Valley Metro will provide cost estimates to be included in the ICMS strategies. Sarath also mentioned that traveler information which could potentially distract driving task should not be included in the plan. Vice Chair Catherine Hollow mentioned that the diagram only depicts the I-10 west operations, but not necessary the entire I-10 corridor. The implementation time frame needs to be updated to reflect the schedule. The performance measurement component will be conducted by MAG. Sarath also mentioned that the once the ITS Committee make the recommendations, the plan will be included in the managed lane study and central Phoenix framework study. **Marshall Riegel moved, Nicolaas Swart seconded and it was unanimously carried to recommend the Action Plan for Improving Operations on I-10 and I-17 Corridors with the suggested revisions.**

7. Emergency Vehicle Preemption (EVP) Study

Sarath Joshua provided the updated scope of work of the Emergency Vehicle Preemption (EVP) Study. He confirmed with Trevor Ebersole from Glendale that review of new technologies will be part of the study. Mike Mah commented that the focus will be coordinating and improving the efforts in EVP operations, but not suggesting investments to all agencies in converting to new technologies. **Mike Mah moved, Albert Garcia seconded and it was unanimously carried to approve the scope of work of the EVP Study.**

8. MAG Regional ITS Architecture Update Project

Deanna Haas from Kimley-Horn Associates made a brief presentation on the progress of the project. The project team expects to receive final comments from the ITS Committee members by May 15. She also demonstrated the MAG ITS Architecture website. Sarath asked how often the Committee members use the ITS Architecture website outside of MAG programming process. Marshall Riegel commented that City of Phoenix used the Architecture extensively for system engineering analysis. Deanna commented that KHA walked through the reversible lane project using ITS Architecture with Debbie at Glendale. She also indicated that MAG ITS Architecture will be one of the first in the nation to be complied with the real-time traffic and incident data reporting requirement. Sarath commented that rural area requirements need to be addressed in the project due to the change of the MAG planning area.

9. Reports by Committee Members

Bill Birdwell from Queen Creek mentioned that the ITS project phase II to connect to 15 signalized intersections and CCTV cameras is underway. The phase III project is currently under specification review. Albert Garcia from Surprise mentioned that the Bell Road phase III project to connect the west portion of Bell road and install two (2) DMS signs is currently underway. The Loop303 fiber project is at the 95 percent design phase.

Sarath mentioned that a decision was made by MAG in 1998 to install conduit along all newly built freeways or any freeway expansions. Albert commented that this decision greatly benefits Surprise locally and also help establish the link for RCN at the regional level. Tricia Boyer from Mesa mentioned that the TSOP project to help improve freeway interchange operations is currently underway. The Bluetooth project to install 80 sensors within City of Mesa is 95 percent completed. The West Mesa adaptive control project is also 95 percent completed. Officer Jeff Eavenson mentioned that DPS is hiring four (4) new freeway service patrol officers. Nicolaas Swart mentioned that Maricopa County finished the fiber project between Loop 101 and Litchfield Road to connect to five (5) signals and three (3) cameras to the TMC. Farzana Yasmin from ADOT mentioned that the I-17 and Loop 101 FMS project will be advertised next month. She also reported that the statewide ITS Architecture project has been completed. The ramp metering evaluation project is close to completion. ADOT is also working to obligate the funding for the I-10 FMS expansion project from 83rd Avenue to Dysart Road that has been advanced to FY2014. The TranSuite traffic signal control system has also been delivered to ADOT. Many of the ADOT signals will be connected to TOC by the end of this year. Marshall Riegel from Phoenix mentioned that the Phoenix ITS Strategic Plan project will be launched tomorrow. The I-10 TSOP project is underway. Vice Chair Catherine Hollow mentioned that the TSOP project on Priest Drive has been completed. Another TSOP project, on McClintock is underway. The project to connect signalized intersections and CCTV cameras along Apache, Mill and University has been completed. Sarath Joshua mentioned that a very useful planning for operations tool called DynusT is now available. The tool has been used along Loop 101 and will be applied to I-10 analysis. A mini-workshop will be held at MAG at 10:00am on May 17. The workshop will be mainly for ITS Committee members and MAG staff. If room is available, invitation may be extended to MAG ITS and Safety on-call consultants.

10. Request for Future Agenda Items

No future agenda items were received.

11. Next Meeting Date and Place

Next meeting will be held at 10:00 a.m. on Wednesday, June 5, 2013, in the Ironwood Room (2nd floor) at MAG.

Adjournment

Vice Chair Catherine Hollow adjourned the meeting at 11:44 a.m.