

July 31, 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, August 7, 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 July 10, 2013 Meeting Minutes</u>	2. Review and approve minutes of the meeting held on July 10, 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:

- RCN Update
- Status of On-Call Contracts
- FHWA Workshop on Planning for Operations on August 27, 2013

5. FY2014 TSOP Draft Call for Projects Package

At the last committee meeting, a number of changes were suggested to the planned TSOP Call for Projects, to accommodate: (1) Integrated Corridor Management projects; and (2) Modify the requirements for conducting before-and-after studies for TSOP projects. These suggestions have been incorporated into a Draft FY2014 TSOP Call for Projects that will be presented for committee review.

6. An Overview of Regional ITS Investments FY2012-2017

The Federal Highway Administration's Office of Operations is conducting a national scan of practices in Programming for Operations. In response to a request from the consultant performing the study for FHWA, MAG prepared and presented an

3. For information and discussion.

4. For information and discussion.

5. For information and discussion.

6. For information and discussion.

overview of all regional ITS investments through FY2017 that are either programmed in the TIP or approved by MAG Regional Council. This summary provided information on types of projects and the amount of funds programmed for ITS infrastructure on freeways and on arterials, and also for supporting freeway operations. This information will be presented to the committee.

7. Reports by Committee Members

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

8. Request for Future Agenda Items

Topics or issues of interest that members of the 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, September 4, 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.

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

July 10, 2013

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

MEMBERS ATTENDING

- | | |
|--|--|
| + Reza Karimvand, ADOT | ** Hugh Bigalk for Luke Albert, City of Goodyear |
| + Soyoung Ahn, ASU
Chris Hamilton, City of Avondale | Faisal Saleem for Nicolaas Swart, Maricopa County |
| ** David Gue 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 Burley Copeland, DPS | Marshall Riegel, City of Phoenix |
| Jorge Gastelum, City of El Mirage | + Bill Birdwell, Town of Queen Creek |
| Allen Hansen for Jennifer Brown, FHWA | + Steve Ramsey, City of Scottsdale |
| ** Erik Guderian, Town of Gilbert | + Albert Garcia for Jason Mahkovtz, City of Surprise |
| Trevor Ebersole for Debbie Albert, City of Glendale | Catherine Hollow, City of Tempe |
| | Ratna Korepella, RPTA |

OTHERS PRESENT

Jordan Lamoreaux, Maricopa County
Gary Bonner, Mesa
Dan Hall, Iteris
Rick White, Shneider Electric
David Riley, UCG
Jason Watson, Stantec
Art Brooks, Strand
Saroja Devarakonda, HDR
Amara Ibeti, CK
Audrey Skidmore, MAG
Margaret Boone, MAG
Kiran Guntupalli, MAG
Leo Luo, MAG

Arthur Dock, Mesa
Giao Pham, Apache Junction
Arnab Gupta, PB Inc
Sandy Thoms, Jacobs
Dan Hartig, Ayres Inc
Deanna Haase, KHA
Cory Steele, Strand
Jeff Jenq, OZ
Joe Spadafino, YSMA LLC
Ryan Gish, MAG
Sarath Joshua, MAG

- + Not present
** Teleconference

1. Call to Order

Chair Catherine Hollow called the meeting to order at 10:02 a.m.

2. Approval of the May 1, 2013 Meeting Minutes
Marshall Riegel moved, Ron Amaya seconded and it was unanimously carried to approve the minutes of the meeting held on May 1, 2013.

3. Call to Audience
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
All the FY2011, FY2012 and FY2013 TSOP projects are completed.
 - MAG ITS Architecture Update
The 2013 MAG Regional ITS Architecture Update has been completed. Transit components in the region are also incorporated.
 - MAG ITS & Safety On-call Contracts
MAG Fiscal Services is finalizing the on-call contract. It is expected to be completed by the end of August. Work on consultant task orders will begin in September.
 - Integrated Corridor Management Systems Webinar
MAG will host the ICM Decision Support webinar at Ironwood Room on July 11 2013.

5. RCN Working Group Update and Video Multicast Access
Ryan Gish mentioned that RCN switch at Gilbert was relocated to municipal building to allow easy access to police and 911 system. Further extension of RCN is expected to result in connecting Glendale. MAG is currently working with cities on Video Multicast Access solutions. Ryan specially thanked Mesa, Maricopa County, Glendale and ADOT for their assistance in making the Multicast functional. He also demonstrated the multicast video from three different software packages. Chair Catherine Hollow asked if Camera Cameleon allows pan, tilt and zoom. Ryan mentioned that it needs configuration and the agencies will also need ADOT's authorization for PTZ. Ron Amaya asked the cost comparison between Camera Cameleon and Luxriot. Ryan mentioned Camera Cameleon state wide license costs about \$250,000, but it's free for other agencies. Annual maintenance is about \$45,000. The Luxriot pricing is per server. Each server license costs about \$1500. Annual maintenance is about \$400 per server. Camera Cameleon takes more time for configuration, installation and upgrade. MAG also developed a simple interface to pull the multicast video. Ryan confirmed with Chair Cathy Hollow that any agencies who would like to test the MAG Video Monitor can contact him directly. Sarath commented that one of the reasons Ryan is offering the different software packages is to show agencies that there might be different options available in addition to Camera Cameleon. Ryan also confirmed with Cathy that Camera Cameleon is the only software package that currently allows pan, tilt and zoom beyond one agency. Marshall Riegel commented that camera owning agency needs to provide the authorization for the pan, tilt and zoom capability.

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

Bob Hazlett from MAG made a brief presentation on the status of the I-10/I-17 improvements. The EIS alternatives substantially exceed the programmed funding in RTP. As a result, both I-10 and I-17 EISs are suspended. He also mentioned that the advance traffic management, ICMS and other ITS solutions proposed by the Committee could help alleviate congestion in a shorter term. An estimate of \$50-\$100M could be made available for these strategies. It is estimated that the spot improvement strategies, including the solutions recommended by the ITS committee will be finalized by October. However, the budget allocation for the spot improvement project has not been established. MAG is planning to conduct a corridor master plan project starting in August to identify long-term improvement alternatives for parallel arterials. The project also tries to address NEPA requirements for future EISs of multiple projects. He mentioned that MAG will involve elected officials as charter partners in the project. Bob clarified with Faisal Saleem that the “within ADOT right-of-way” refers to physical facility construction. He also mentioned that if approved, the projects will be programmed into TIP early next year (2014). When asked about the oversight of the corridor master plan project, Bob mentioned that his group will be reporting to Regional Council. He also mentioned that TMC staffing during peak periods is one of the key issues to be addressed. A potential funding mechanism for TMC staffing will be explored.

7. FY2014 TSOP Call for Projects

Sarath Joshua briefly showed the status of past TSOP projects. All the projects are completed. He then demonstrated the previous TSOP call for projects package and requested the Committee to discuss the improvement and changes needed to the program. Marshall mentioned that it is necessary for Phoenix to further advance what has been accomplished through this round of TSOP projects. Chair Catherine Hollow asked what has been completed in the I-10 project and what is needed for future works. Marshall mentioned that Phoenix intends to investigate if incident occurred at different locations, what diversion route would be and what strategies the City needs to deploy. Sarath clarified that the modeling effort was conducted at MAG and the funding was used for the consultants to generate timing scenarios. Margaret briefly described the I-10 concept of operations and draft IGA project. Faisal suggested expanding the ICMS effort to other agencies. Chair Hollow agreed that is a good idea and she thinks the TSOP program is very helpful. Sarath mentioned that MAG received less TSOP project applications in FY2013 and asked members to discuss the reasons. Hong Huo from Chandler mentioned that Before-and-After study is very difficult to fit into a City’s schedule. City of Chandler always conducts Before-and-After Study in-house even without the requirement. Sarath mentioned that Before-and-After is a requirement for selected TSOP projects. He suggested that member agencies could provide the Before-and-After Study reports to MAG. Avery Rhodes from Mesa agreed and mentioned that with the Bluetooth project, City of Mesa could generate Before-and-After study reports without additional effort. Ron Amaya suggested that the Before-and-After study would still need to remain as an option because not every agency has the technology or man power to conduct the study. Chair Hollow mentioned that questions have been raised regarding the data collection only projects. Erik Guderian, Hong Huo and Avery Rhodes suggested requiring agencies to provide Before-and-After study reports within certain time frame after receiving the data. This way, the agencies will still be responsible in developing timing within reasonable time frame. Faisal Saleem suggested that agencies need to provide the project schedule when they submit applications. Erik mentioned that it would be very helpful for

member agencies if a TSOP call for projects can be issued on a consistent schedule each year. Sarath mentioned that MAG will be developing such a schedule and will incorporate input from the committee in the next TSOP call for projects. The draft documents will be provided for committee review at the next meeting. The next call for TSOP projects is planned for August.

8. Reports by Committee Members

Ron Amaya mentioned that City of Peoria is replacing their traffic signal system. The new system name is Intelight. The project is expected to be completed in the next few months and no need in upgrading city's existing traffic controllers for regular operations. However, if the city chooses to adopt the adaptive module of the system, then new controllers will be required. Avery Rhodes shared a successful procurement process with the committee members on using a micro-duct system for fiber conduits by working with FHWA. This project has resulted in 10% saving of project budget amounting to about \$200,000. Erik Guderian from Gilbert mentioned that the fiber project to connect to Mesa at Baseline Road and Gilbert Road is close to completion.

9. Request for Future Agenda Items

No future agenda items were received.

10. Next Meeting Date and Place

Next meeting will be held at 10:00 a.m. on Wednesday, August 7, 2013, in the Ironwood Room (2nd floor) at MAG.

Adjournment

Chair Catherine Hollow adjourned the meeting at 11:34 a.m.