

March 7, 2012

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, March 14, 2012- **10:00 a.m.**  
MAG Office Building, 2<sup>nd</sup> 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

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| <ol style="list-style-type: none"><li>1. <u>Call to Order</u></li><li>2. <u>Approval of the February 1, 2012 Meeting Minutes</u></li></ol> | <ol style="list-style-type: none"><li>2. Review and approve minutes of the meeting held on February 1, 2012.</li></ol> |
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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 Update
- FY 2012 TSOP Update

5. Adaptive Traffic Control Systems Study

The Adaptive Traffic Control Systems Study was requested by several committee members at the December 2010 committee meeting. A draft scope of work was presented at the last committee meeting. It was suggested that a document developed by FHWA may have covered some aspects of the study and the study may not be needed. Committee members were provided with the FHWA document and the proposed scope of work and were requested to review if the proposed study was in fact a possible duplication of effort.

6. Congestion Management Process and ITS Project Prioritization

The Congestion Management Process is being integrated into the MAG TIP Programming Process. The new process will be used starting with the next cycle of TIP programming of ITS projects for FY 2015 and 2016. A brief overview of how

3. For information and discussion.

4. For information and discussion.

5. For information and discussion.

6. For information and discussion.

the CMP will be integrated into the project prioritization process will be provided.

7. ADOT Ramp Metering Study

Arizona Department of Transportation is conducting a study to review the ramp metering operations within the region. The consultant of the project, United Civil Group will provide an update on the project.

8. Reports by Committee Members

Members will be provided an opportunity to share information related to on-going 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, April 4, 2012. It will be held in the Ironwood Room on the 2<sup>nd</sup> Floor of the MAG office building.

7. For information and discussion.

8. For information and discussion.

9. For information and discussion.

10. For information and discussion.

Adjournment

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

February 1, 2012  
MAG Ironwood Room, 2nd Floor  
302 North First Avenue  
Phoenix, Arizona

MEMBERS ATTENDING

Reza Karimvand, ADOT	**Faisal Saleem for Nicolaas Swart,
*Soyoung Ahn, ASU	Maricopa County
**Bennie Robinson, City of Avondale	Suresh Shrimavle, METRO
**Paul Ward for Thomas Chlebanowski,	Avery Rhodes, City of Mesa
Town of Buckeye	Ron Amaya, City of Peoria
Mike Mah, City of Chandler	*Marshall Riegel, City of Phoenix
*Captain R. Brant Benham, DPS	Nancy Steptoe for Bob Ciotti, Phoenix
Jorge Gastelum, City of El Mirage	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
Luke Albert, City of Goodyear	*Catherine Hollow, City of Tempe
	*Ratna Korepella, RPTA

OTHERS PRESENT

Darrell Bingham, ADOT	Madhuri Uddaraju, Atkins
Joey Markuson, Atkins	Terry Griffith, Atkins
Steve Blair, ITS Engineers	Jay Yenerich, PB
Saroja Devarakonga, HDR	Dan Hartig, Ayres
Deanna Haase, KHA	Marta Gerber, Michael Baker
Sarah Simpson, UCG	David Riley, UCG
Vinay Vanapalli, Stantec	Allen Barakovic, Jacobs
Art Brooks, Strand	Shanthi Krishnan, Jacobs
Leo Luo, MAG	Kiran Guntupalli, MAG

\* Not present

\*\* Via teleconference

1. Call to Order  
Chair Debbie Albert called the meeting to order at 10:06 AM.
2. Approval of the December 7, 2011 Meeting Minutes  
**Luke Albert moved, Kurt Sharp seconded and it was unanimously carried to approve the minutes of the meeting held on December 7, 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: Eleven (11) projects have been completed. Six (6) projects are still underway.
- Regional Transportation Systems Management and Operations (RTSMO) project is completed. Sarath also briefly demonstrated the website created from the project.
- Tatum Boulevard Corridor Study Update. Leo briefly explained the purpose of the project is to accommodate the new MUTCD pedestrian crossing speed requirement while maintaining the vehicle flow. The data collection effort has been completed. The consultant is developing timings along the corridor.
- Rural Road Corridor Study Update. Kiran mentioned that the study is to improve the operations along Rural road. Safety, signal timings, pedestrian crossing are all part of the study. The project is close to completion.

5. FY2012 Traffic Signal Optimization Program

Sarath reported that the Regional Council approved the TSOP projects as recommended by the ITS Committee on January 25, 2012. One of the projects that was requested by City of Scottsdale was launched immediately to accommodate the need for collecting special event data. He also distributed the updated before-and-after study methodology that was developed with input from several committee members. Before-and-after studies are required for all TSOP projects. He also mentioned that the annual 3-day SYNCHRO training workshop will be held at the Maricopa County Training Facility from February 29 to March 2.

6. ITS Strategic Plan Update

The committee was provided a briefing by Sarath on the background of the 2001 ITS Strategic Plan. He pointed out that many of the projects that were included in the 2001 ITS Strategic Plan have been implemented in the region. The ITS Strategic Plan serves as the foundation for programming new projects in the future. A draft outline of the scope was provided to the committee members. A more detailed scope will be distributed to committee members for comments. Debbie Albert asked if the Plan development effort would also include Focus Groups and user needs identification. Sarath indicated that the draft scope of work did not include surveys of end users. He indicated that the current budget of \$50,000 may have to be increased to do so. Faisal Saleem suggested that funding for operations needs to be mentioned. Mike Mah suggested limiting the planning horizon to ten (10) years and conduct a review every five (5) years due to the dynamic nature of ITS. The members also agreed to change the orders of draft task 5 and task 6 in the scope. Sarath also mentioned that Public Private Partnership may be considered.

7. Adaptive Traffic Control System (ATCS) Study

An outline of the scope of work for this study was presented by Sarath to the committee. He said that a more detailed draft scope of work will be sent to all members via email for their review. Avery Rhodes mentioned that an evaluation of the SCATS system at Mesa Superstition Spring mall is expected to be completed soon. Faisal Saleem mentioned that the Bell Road Coordination committee is considering two segments of roadway for ATCS, the findings of that can feed into the study. Jennifer Brown from FHWA stated that a guidance document has been developed by FHWA on the Model Systems

Engineering Analysis for Adaptive Signal Control Technology Systems that is required for developing Adaptive Signal Control Systems. She mentioned that the SEA is required for all federal funded ITS projects and the study may have efforts that have been covered by the document. She agreed to send the document to the committee. Mike Mah suggested that the study may need to focus on identifying the traffic operational environments in the region most suitable for ATCS application. Chair Debbie Albert added that it would also be helpful if the locations, the cost for different agencies by applying different systems can be included. Reza Karimvand requested that the draft scope be sent to all committee members for review.

8. Status Reports by Committee Members

Bennie Robinson of Avondale mentioned that a TSOP project is underway. Avondale is currently working with ADOT on the TMC project. Faisal Saleem mentioned that Maricopa County is making progress on the TMC upgrade project. It is expected to be completed by the end of May. He also mentioned that the MCDOT project to install DMS on Bell Road is underway. MCDOT has also advertised five signal upgrade projects in the East Valley. Nicholas Mascia of Surprise mentioned that the Bell Road Phase III ITS plan is at 50 percent. City of Surprise will be advertising the Loop 303 conduit project. The city is connecting 6-8 CCTV cameras via wireless communications, which will bring most of the Surprise signalized intersections under TMC monitoring. Ron Amaya of Peoria mentioned a Rhodes ATCS demo project that is currently under way along with several communications projects and CCTV camera projects. Avery Rhodes of Mesa mentioned that two additional flashing yellow arrows were implemented in Mesa along US60 corridor to mitigate safety concerns. Positive feedback were received. Nancy Steptoe from Phoenix Public Transit mentioned the fare box system upgrade and several other transit system improvements. Reza Karimvand of ADOT reported that the TOC upgrade will start in two weeks. A standard specifications project is expected to be completed by the end of 2012. He also reported that the ramp meter consultant study project is in progress. ADOT is also planning to launch the statewide ITS Architecture project at the end of February. ADOT is also developing the specifications for a fiber management system. The selection of the design consultant for FMS expansion on I-17 selection is close to finalization. ADOT is also close to finalizing DMS solicitation is also under development. Chair Debbie Albert mentioned two federal funded projects are undergoing the federal process. The Glendale ITS Strategic plan is expected to be completed in summer 2012. Sarath Joshua mentioned that MAG Regional Council recently approved additional funds for a number of ITS projects as part of the FY2012 closeout process.

9. Request for Future Agenda Items

Chair Debbie Albert suggested inviting Eileen Yazzie of MAG to explain the MAG TIP programming process and the need for member agencies to respond to the requests and obligate the projects on time.

10. Next Meeting Date and Place

Next meeting will be held on Wednesday, March 14, 2012, in the Ironwood Room (2<sup>nd</sup> floor) at MAG at 10:00 a.m.

Adjournment

Chair Debbie Albert adjourned the meeting at 11:25 a.m.