

May 30, 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, June 6, 2012- **9:30 a.m. (Please note changed start time)**
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

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

- Traffic Signal Optimization Program
- Vice Chair for ITS Committee
- RFQ for ITS On-Call Services
- ITS Strategic Plan Project

5. ITS Cost Estimate Format

Project applications for the next MAG TIP cycle will require a breakdown of anticipated project costs. This information needs to be submitted to MAG using an Excel-based template. A draft Excel template that has been developed for this purpose will be presented.

6. Reports by Committee Members

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

7. 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.

3. For information and discussion.

4. For information and discussion.

5. For information and discussion.

6. For information and discussion.

7. For information and discussion.

8. Next Meeting Date and Place

The next committee meeting is scheduled to be held at 9:30 a.m. on Wednesday, July 11, 2012. It will be held in the Ironwood Room on the 2nd Floor of the MAG office building.

Adjournment

8. For information.

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

May 2, 2012

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

MEMBERS ATTENDING

Reza Karimvand, ADOT	Luke Albert, City of Goodyear
Soyoung Ahn, ASU	Nicolaas Swart, Maricopa County
**Margaret Boone for Bennie Robinson, City of Avondale	Suresh Shrimavle, METRO
**Thomas Chlebanowski, Town of Buckeye	**Avery Rhodes, City of Mesa
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	Nancy Steptoe, Phoenix Public Transit
**Jennifer Brown, FHWA	Bill Birdwell, Town of Queen Creek
Erik Guderian, Town of Gilbert	Bruce Dressel, City of Scottsdale
Allan Galicia for Debbie Albert, City of Glendale	**Nicholas Mascia, City of Surprise
	Catherine Hollow, City of Tempe
	Ratna Korepella, RPTA

OTHERS PRESENT

Farzana Yasmin, ADOT	**Hugh Bigalk, Goodyear
Joey Markuson, Atkins	Jay Yenerich, PB
Bo Gao, Stanley	Dan Hartig, Ayres
Lisa Burgess, KHA	Marta Gerber, Michael Baker
Don Tappendorf, Toppendorf	Don Wiltshire, YSMA
Art Brooks, Strand	David Riley, UCG
Ryan Gish, MAG	Shanthi Krishnan, Jacobs
Leo Luo, MAG	Kiran Guntupalli, MAG

* Not present
** Via teleconference

1. Call to Order

Mike Mah chaired the meeting as Debbie Albert was unable to attend. He called the meeting to order at 10:05 AM.

2. Approval of the March 14, 2012 Meeting Minutes

Cathy Hollow moved, Bill Birdwell seconded and it was unanimously carried to approve the minutes of the meeting held on March 14, 2012.

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:

- TSOP project update: TSOP FY2011 projects, Eleven (13) projects completed and four (4) underway. FY2012 TSOP projects, the SYNCHRO training workshop was completed. Scottsdale Frank Lloyd Wright project is underway. The “before” period travel time has been completed. The timing implementation and “after” period travel time runs are planned to be conducted soon. Other FY2012 TSOP projects may be carried out in the coming fall. A call for new projects will be announced for identifying projects for the remaining TSOP funds. In response to a question from Marshall Riegel, Sarath confirmed that the call for projects will most likely be in August. He also emphasized the importance of implementing the timing on schedule so that the Before-and-After study can be conducted smoothly.

5. ITS Strategic Plan Update

The draft scope of work for the MAG Regional ITS Strategic Plan update was provided to committee members. Sarath provided a brief background on the role of the ITS Strategic Plan and how it relates to the regional ITS infrastructure development. An update of the 2001 plan is needed to incorporate the recent changes, including the Congestion Management Process that will now be part of the TIP programming process. It is expected that the project ranking process will also be included in the plan. Sarath briefly went through the scope of work, which includes FMS, arterial ITS, transit ITS, ITS for safety, ranking process, etc. During a discussion on Traffic Incident Management Bruce Dressel mentioned that the Scottsdale TMC was notified 20 minutes after an incident that resulted in Loop 101 being closed. Bruce indicated that he would like the plan to address regional coordination needs. Sarath confirmed with Margaret Boone that electronic versions of the scope of work will be sent to all committee members. Comments from Committee members were requested by Thursday. Mike Mah commented that prioritizing the arterial ITS projects is one of the key questions that need to be addressed through the Strategic Plan project.

6. Freeway Management System (FMS) Improvements

Reza Karimvand briefly introduced the travel time display on ADOT freeway DMSs. He also mentioned that ADOT TOC operators are cross checking information sources provided different vendors for travel time quality control. Mike Mah asked how the operators know whether the travel time is accurate. Reza mentioned that the operators are verifying the information by looking at CCTV cameras on freeways and looking at other vendors' data. Sarath suggested potential coordination with DPS for obtaining GPS data on freeway service patrol vehicles for ground truth measurement. Reza also provided updates on several ADOT projects including state ITS architecture, ITS standard and specifications, TOC video wall upgrade, I-17 FMS project, the ADOT wrong-way entry detection project and etc.

7. Adaptive Traffic Control Systems Study

Sarath mentioned that the study was added to the MAG UPWP based on discussions at

the ITS Committee in December 2010. The study purpose was to understand the adaptive traffic control, the different systems, advantages and disadvantages and the potential applications that are appropriate for the region. At the last ITS Committee meeting, Jennifer Brown had suggested putting the study on hold while a workshop will be offered by FHWA. It was mentioned that the workshop would go through the system engineering process and provide detailed specifications and recommendations on selecting an ATCS for a specific segment along Bell Road. The Committee could then decide whether a separate ATCS study is necessary. Sarath confirmed with Reza that the proposed study is intended as an informational package to include some of the basic information about ATCSs and its potential application in the region, which is not related to any particular corridor or project. It is perceived that the FHWA System Engineering process should be conducted after a project is programmed and the funding is secured. Mike Mah and Erik suggested not conducting the study due to the already available information and the fast changing technology. Nicholaas Swart asked if MAG TSOP funding can be made available for conducting the System Engineering analysis if an agency is interested in implementing ATCS. Sarath mentioned that the arterial ITS funds from the TIP is more appropriate for this type of projects. MAG member agencies can apply for the funding if ATCS is desired and include the system engineering analysis as part of the project. There was general agreement among ITS Committee members that the Adaptive Traffic Control Systems study is no longer necessary. Sarath indicated that the project will be deleted from the MAG work program.

8. Status Reports by Committee Members

Margaret Boone mentioned that the Avondale TMC project will be completed in July. Nicholas Mascia mentioned that Surprise is implementing special event signal timing through the MAG TSOP project. He also mentioned the IGA of Phase III Bell Road Fiber construction project is signed. The design proposals of the Loop 303 fiber project are currently under review. Bill Birdwell mentioned that Queen Creek ITS Phase II project will be advertized for bid in June and Phase III is expected to be obligated next fiscal year. Erik Guderian mentioned that Gilbert is finalizing design of the fiber project along Gilbert Road and expect to connect to Mesa's signal at Baseline Road and Gilbert Road. Allen mentioned that the Glendale KITS central control system is close to completion. The Bell Road DMS project is expected to be completed by fall of this year. Reza mentioned that ADOT video wall upgrade project is expected to be completed in July and committee members will be invited to an open house event. Nicolaas mentioned that an intelli-drive demonstration was conducted at Maricopa County. Ratna mentioned a Link Connection project relating bus real-time information with LRT real-time information to improve transfers among different transit modes. Captain Copeland mentioned that DPS is in the process of expending freeway service patrol and hiring new patrol officers. Streamlined management and better communications are also under discussion. Cathy Hollow mentioned that Tempe is moving forward with the wireless communications project to connect additional eight traffic signals to the TMC. She also mentioned the Rural Road corridor project sponsored by MAG received a lot of positive comments. Marshal Riegel mentioned that Phoenix is working on the design of north ring fiber network. Sarath mentioned that the ITS Planning for Small Jurisdictions project is close to completion. The draft final report will be sent to committee members for review. Agencies with questions related to RCN can contact Audrey and Ryan Gish, the MAG network manager for RCN. Loop 303 may need to be included in future FMS expansion.

9. Request for Future Agenda Items

No future agenda item was received.

10. Next Meeting Date and Place

Next meeting will be held at 9:30 a.m. on Wednesday, June 6, 2012, in the Ironwood Room (2nd floor) at MAG at 9:30 a.m.

Adjournment

Mike Mah adjourned the meeting at 11:25 a.m.