

January 30, 2013

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, February 6, 2013- **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

<u>TENTATIVE AGENDA</u>		<u>COMMITTEE ACTION REQUESTED</u>
1.	<u>Call to Order</u>	
2.	<u>Approval of the January 9, 2013 Meeting Minutes</u>	2. Review and approve minutes of the meeting held on January 9, 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:

- RFQ for Selection of ITS-Safety On-Call Consultants
- ICM Initiatives Underway
- TSOP Update
- TRB Annual Conference

5. MAG Regional ITS Architecture Update

A consultant project has been initiated by MAG to update the Regional ITS Architecture (RIA) to ensure that it reflects recent changes to the National ITS Architecture (NIA), as well as to incorporate the new ITS projects recommended for FY 2015-2017 and any other locally funded projects. The committee will be briefed on project status and the plan for obtaining local agency feedback on their use of the RIA and any suggestions for improving its usefulness for project development. See Attachment One.

6. Action Plan for Improved Operations

The RTP includes \$1.3 billion for planned improvements to I-17 and I-10 freeway corridors. However, it has been determined

3. For information and discussion.

4. For information and discussion.

5. For information and discussion.

6. For information, discussion and possible action to assign this as a task to a Working Group.

that, due to a number of new constraints, some of the planned improvements may no longer be feasible. An effort is currently underway, in conjunction with the Central Phoenix Framework Study, to identify a feasible set of improvements. Recent discussions on this subject have identified an opportunity to utilize some of these funds to implement a short-term action plan that would demonstrate improved traffic operations in these corridors by the end of 2015. The success demonstrated by such an Action Plan developed by the committee could form the basis for including significant resources for future regional ITS initiatives, such as Active Traffic Management, in the next generation RTP. The Action Plan would be limited mostly to existing or programmed ITS infrastructure and needs to be developed by the end of March 2013.

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, March 6, 2013. It will be held in the Ironwood Room on the 2<sup>nd</sup> Floor of the MAG office building.

Adjournment

7. For information and discussion.

8. For information and discussion.

9. For information.

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

January 9, 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	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
+ Captain Burley Copeland, DPS	+ Bill Birdwell, Town of Queen Creek
+ Jorge Gastelum, City of El Mirage	Steve Ramsey for Bruce Dressel, City of Scottsdale
+ Jennifer Brown, FHWA	Albert Garcia for Nicholas Mascia, City of Surprise
Erik Guderian, Town of Gilbert	Catherine Hollow, City of Tempe
Debbie Albert, City of Glendale	Ratna Korepella, RPTA

**OTHERS PRESENT**

Giao Pham, Apache Junction	Paul Porell
Natalie Carrick, Michael Baker Jr Inc	Don Tappendorf, Tappendorf Consultants
Jason Watson, Stantec Inc	Bo Gao, Stanley Inc
Arnab Gupta, PB Inc	Dan Hartig, Ayres Inc
Lisa Burgess, KHA Inc	Mathew Hann, UCG Inc
Keith Winney, UCG Inc	Don Wiltshire, YSMA LLC
Steve Blair, ITS Engineers	Kacy Zinnecker, ITS Engineers
Joey Paskey, Atkins Inc	Ryan Gish, MAG
Teri Kennedy, MAG	Sarath Joshua, MAG
Margaret Boon, MAG	Kiran Guntupalli, MAG
Leo Luo, MAG	

+ Not present  
\*\* Teleconference

1. **Call to Order**

Chair Debbie Albert called the meeting to order at 10:05 a.m.

2. Approval of the December 5, 2012 Meeting Minutes  
**Marshall Riegel moved, Nicholaas Swart seconded and it was unanimously carried to approve the minutes of the meeting held on December 5, 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:
  - Regional ITS Architecture Update
  - FY 2013 TSOP Project Recommendations
    - 10 projects, total \$243,000
    - Regional Council approval expected on January 30, 2013
    - All projects to be completed by June 30, 2013
  - Close-out Funding Discussion at TRC  
Teri Kennedy, MAG TIP programming manager was invited to provide an update on the close-out funding discussion. She mentioned that CMAQ is under programmed for FY2013 and over programmed for FY2014. The project status report will be very important. Teri will provide agency contact to Sarath for project status report. June 28, 2013 is the deadline for obligating FY2013 projects. She also mentioned that the list of the TIP projects is in the TRC meeting agenda item No. 9. Agencies can utilize the new funding level once Regional Council approves the recommendations.
  
5. Integrated Corridor Management (ICM) Initiative Update  
Leo Luo provided a brief update on the ICM initiative. DPS, ADOT, MAG, Maricopa County, Scottsdale and Tempe are engaged in a discussion to apply ICM concept along Loop 101 freeway corridor in the East Valley. As an initial step, the group agreed to conduct analysis with the MAG DynusT model to evaluate different incident management strategies. A meeting was scheduled on January 16, 2013 to discuss more detail requirements and scope of the analysis. Sarath added that ADOT is interested in providing diversion information including arterial options. Scottsdale is also willing to provide information to the traveling public on some of their arterials in the event of a freeway closure. The purpose of modeling is to evaluate different strategies and scenarios. It is the first attempt to address the ICM strategies in the region. If proved successful, the ICM concept can be broadened to other corridors within the region. Steve Ramsey confirmed with Chair Debbie Albert that Scottsdale will be utilizing the existing arterial DMSs signs and future Highway Advisory Radios. Nicholaas Swart added that the outcome of MAG's modeling efforts will feed into the AZTech operational plans on ICM. Nicholaas and Sarath also confirmed with Debbie that the modeling effort will also use real-life scenarios to test and verify the model outputs before conducting analysis. Sarath also added that once implementation of ICM is completed, a plan can also be developed to collect data to further verify model predictions.
  
6. Emergency Vehicle Preemption (EVP) Study  
Sarath Joshua reported that the committee has identified the need to conduct a study on EVP based on the November meeting discussion. A draft scope of work was developed for the committee to review. The study has been included in the proposed FY2014 MAG UPWP. He briefly went through the scope of work. Sarath confirmed with Debbie that it

would be beneficial if committee members can provide their input and comments on the draft scope of work by the end of January. Mike Mah and Luke Albert suggested exploring opportunities for standardization of EVP and including other stakeholders such as fire, traffic, ambulance and police. Debbie suggested that each agency should identify the parties to be included in this study. Marshall Riegel mentioned that Fire Department is usually the leading stakeholder for EVP. Mike Mah agreed with Debbie that standardization of EVP may have to in a later phase; a review of the current practices would be an important achievement in the first phase.

7. Reports by Committee Members

Ron Amaya reported that Peoria is installing conduit and fiber along 75<sup>th</sup> Avenue from Peoria to Olive. The project is expected to be completed in three months. Avery Rhodes reported that Mesa is installing a new video wall in TMC. Nicholaas Swart reported that Maricopa County is installing fiber and conduit along Loop 101 and Litchfield road. Erik Guderian reported that Gilbert is installing fiber along Gilbert Road to connect to City of Mesa. It is expected to be completed in five months. He also mentioned that AZTech is working on developing ITS certification and is coordinating with the USDOT on this effort. Cathy Hollow reported that Tempe is installing fiber around the ASU campus. Sarath Joshua announced that Margaret Boone has joined MAG as an ITS & Safety Engineer.

8. Request for Future Agenda Items

No future agenda items were received.

9. Next Meeting Date and Place

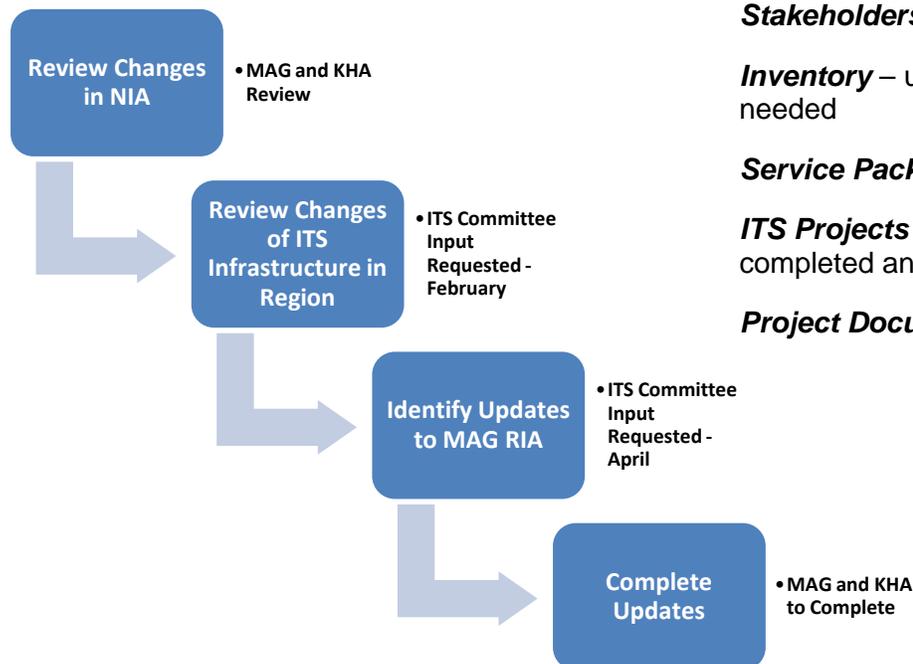
Next meeting will be held at 10:00 a.m. on Wednesday, February 6, 2013, in the Ironwood Room (2<sup>nd</sup> floor) at MAG.

Adjournment

Chair Debbie Albert adjourned the meeting at 11:14 a.m.

# MAG REGIONAL ITS ARCHITECTURE – 2013 UPDATE

## UPDATE PROCESS



## WHAT'S BEING UPDATED?

**Stakeholders** – name or description changes

**Inventory** – updated status or additions/deletions needed

**Service Packages** – additions/modifications/deletions

**ITS Projects by Stakeholder** – updated with completed and new TIP projects

**Project Documents** – Final Report and Appendices

## CHANGES TO NATIONAL ITS ARCHITECTURE

- New Services:
  - o Active Traffic Management
  - o Integrated Corridor Management
  - o Connected Vehicle Program – V2I/DSRC
- Expanded Data Flows:
  - o Center-to-Center
  - o Signal Control
- More Defined Architecture Layers
  - o Institutional Layer
  - o Communications Layer
- Enhanced NIA Website
  - o More functionality
  - o More interactive

## EXAMPLES OF MAG RIA CHANGES

**New ITS-related projects/programs** – expanded connectivity among systems and agencies, updated status of infrastructure

**Enhanced transit functionality**

**Active Traffic Management and Integrated Corridor Management Initiatives**

**Traveler Information Services** – Social media use, HCRS AOI, Public Safety Video Distribution System

**2015-2017 TIP Projects** – new TIP programmed projects and link to MAG RIA service areas

## REQUEST FOR MAG MEMBER AGENCIES TO REVIEW

<http://www.consystem.com/mag/web/>

Comment feature on upper right corner of each web page **Send Your Comments** to provide input on specific parts of architecture website. **Input requested by end of February.**

Contact MAG or Kimley-Horn with specific clarifications/input if desired:

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