

February 25, 2014

TO: Members of the MAG Intelligent Transportation Systems Committee

FROM: Catherine Hollow, City of Tempe, Chair

SUBJECT: MEETING NOTIFICATION AND TRANSMITTAL OF TENTATIVE AGENDA

Tuesday March 4, 2014- **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> For the March 4, 2014 meeting, the quorum requirement is 10 committee members.	
2. <u>Approval of the January 8, 2014 Meeting Minutes</u>	2. Review and approve minutes of the meeting held on January 8, 2014.
3. <u>Call to Audience</u> 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.	3. For information and discussion.
4. <u>Program Managers Report</u> The following items will be discussed: <ul style="list-style-type: none">• Status of TSOP Projects• Integrated Corridor Management (ICM) projects in Tempe and Phoenix• FHWA Survey on Planning for Operations	4. For information and discussion.
5. <u>Planned Freeway Management System (FMS) Projects</u> The Freeway Management System (FMS) consists of various ITS technology applications utilized for managing freeway traffic. The FMS is primarily used by the Arizona DOT to manage and control freeway traffic from the Traffic Operations Center. ADOT provides local agencies with access to	5. For information, discussion and possible action to recommend approval of the planned FMS projects.

freeway cameras for traffic management purposes. The Regional Transportation Plan identifies the FMS as a key regional strategy for addressing systems management and operations on the urban freeway system.

Funds for implementation of the FMS is provided through the MAG Regional Transportation Plan (RTP). The current FMS coverage is about 160 miles and represents about 65 percent of the planned 242-mile system. Funds are programmed in the RTP to complete construction of the planned 242-mile coverage by 2025.

ADOT has recently updated the FMS construction priority and the limits of a number of FMS projects from that identified in the 2010 RTP update. Since FMS costs have also dropped in recent years and ADOT has been able to build more miles with the FMS funds provided by the RTP. In addition, one ADOT freeway construction project will be adding full FMS features utilizing other freeway construction funds.

The committee will be briefed by ADOT on the proposed modified plan for the FMS expansion phases and proposed utilization of RTP funds (See Attachment One).

6. Vehicle-to-Vehicle Communications and Implications of Vehicles-to-Infrastructure Communications

The National Highway Traffic Safety Administration (NHTSA) announced recently that it will begin taking steps to enable vehicle-to-vehicle (V2V) communication technology for light vehicles. This technology is expected to improve safety by allowing vehicles to "talk" to each other and ultimately avoid many crashes altogether by exchanging basic safety data. The USDOT's Connected Vehicle Research Program is also investigating Vehicle-to-

6. For information and discussion.

Infrastructure (V2I) communications. Future applications that may emerge in this area could have implications for agencies that operate infrastructure.

A brief overview of on-going activities related to Connected Vehicles will be provided.

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, April 2, 2014. 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.

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

January 8, 2014

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

MEMBERS ATTENDING

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| <ul style="list-style-type: none">* Farzana Yasmin for Reza Karimvand,
ADOT
Chris Hamilton, City of Avondale* David Gue for Thomas Chlebanowski,
Town of Buckeye
Mike Mah, City of Chandler+ Captain Burley Copeland, DPS
Bryce Christo, City of El Mirage
Toni Whitfield, FHWA* Erik Guderian, Town of Gilbert
Allan Galicia for Debbie Albert, City of
Glendale
Luke Albert, City of Goodyear | <ul style="list-style-type: none">Nicolaas Swart, Maricopa County
Avery Rhodes, City of Mesa
Steve McKenzie for Ron Amaya, City of
Peoria
Marshall Riegel, City of Phoenix* Steve Ramsey, City of Scottsdale
Albert Garcia for Jason Mahkovtz, City
of Surprise
Catherine Hollow, City of Tempe
Ratna Korepella, Valley Metro |
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OTHERS PRESENT

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| <ul style="list-style-type: none">Deanna Haase, KHAJason Watson, StantecMike Manthey, ParsonsDan Hartig, Ayres AssociatesJeff Jenq, OZ Engineering LLCJihong Cao, PBCory Steele, Strand | <ul style="list-style-type: none">Dave Chambers, TranscoreDon Wiltshire, YSMABo Gao, Stanley ConsultingChaun Hill, MAGMargaret Boone, MAGEric Nava, MAG |
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- + Not present
- * Teleconference

1. Call to Order
Chair Catherine Hollow called the meeting to order at 10:01 a.m.

2. Approval of the December 4, 2013 Meeting Minutes
Nicolaas Swart from Maricopa County moved, Avery Rhodes from City of Mesa seconded and it was unanimously carried to approve the minutes of the meeting held on December 4, 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

Margaret Boone provided this report since Sarath Joshua was on vacation. Ms. Boone addressed the following items in the Manager's Report:

➤ TSOP Projects:

- The recommended list of TSOP projects went to the Transportation Review Committee for approval on December 12, 2013.
- The list will be on the agenda of the Management Committee for approval. If approved, the list will then be on the agenda of the Regional Council for approval this January.
- Task Orders are being developed and will be assigned to MAG On-Call consultants.
- The first Task Order would be for the SYNCHRO training workshop for local agency staff. The tentative date of the workshop is February 18-20, 2014.
- Completion of all TSOP projects is scheduled to be completed before June 30, 2014.

➤ 2014 ITS Committee Meeting Schedule

- First Wednesday of every month, except for January.
- RCN Working Group will meet at 9 a.m., followed by the ITS Committee at 10 a.m.

5. I-10 & I-17 Corridor ("Spine") Near-Term Improvements Strategy Update

Chair Catherine Hollow invited Nicolaas Swart from Maricopa County to give a brief history of the development of the Working Group C which developed the list of recommended projects related to ITS and operations within the "Spine" corridor. Mr. Swart informed the committee that the Working Group C generated a prioritized list of recommended near-term improvement projects. The list was prioritized based on the cost and timeframe for implementation of each project. The final list of prioritized projects was presented to the study Management Team; FHWA, ADOT and MAG have taken the lead to finalize strategies, including brick and mortar strategies from other Working Groups. A final set of recommendations for the study will then be presented by the Study Management Team. Margaret Boone commented that a print out of the prioritized list of projects was provided to the ITS Committee. Ms. Boone noted that all projects that were presented by the Working Group C to the Study Management Team were maintained on the list for consideration of implementation. Nicolaas confirmed that the list of projects was tentatively accepted, but it will be the study Management Team's decision of which projects will be implemented.

6. USDOT ICM Deployment Planning Grant Proposal

Eric Nava presented a summary of the ICM Deployment Planning Grant Proposal that was submitted by MAG. Mr. Nava provided a brief summary of the Planning Grant description and availability. The grant application was prepared with assistance from Kimley-Horn and Associates, and it was submitted on December 20, 2013 as the initial deadline announced by the USDOT was December 31, 2013. The primary focus of the proposal was to extend the current work of ICM planning in the West Valley to the entire I-10 corridor between Loop 101 in the West Valley to Loop 202 in the East Valley. The corridor was presented in the proposal in three segments: Segment 1) Loop 101 to I-17, Segment 2) I-17 to SR 143 and Segment 3) SR 143 to Loop 202. The segments were described in the proposal to demonstrate the advantages and challenges that are unique to

each segment. The primary performance issue that was focused on in the proposal was major incidents along the corridor that cause full freeway closures. The proposal then focused on the approaches to the Concept of Operations (ConOps) and the Analysis, Modeling and Simulation (AMS) Plan in the Deployment Grant Proposal. The ConOps proposed would build upon the established ConOps for the I-10 West corridor for the three segments described. The AMS Plan section concentrated on the capabilities of performing AMS activities for the I-10 corridor. Chair Catherine Hollow asked what was the purpose behind defining the three segments, e.g. budget, uniqueness, more manageable. Eric replied that the individual segments presented unique challenges from an ICM viewpoint.

7. Reports by Committee Members

Chair Catherine Hollow made a call to members of the committee to report items of interest to the committee. Albert Garcia from City of Surprise reported the city has hired a new city engineer. Allan Galicia reported that the City of Glendale will be starting the TMC renovation soon and that projects awarded at Cactus, Thunderbird and Greenway will have partnering and pre-construction meetings soon. Chris Hamilton reported the City of Avondale ITS project on McDowell Road from Avondale Blvd. to 99th Avenue is under construction and the project is approximately halfway completed. Steve Ramsey reported that construction of the new Scottsdale TMC is approximately 95% completed with hardware and equipment to be installed the following week. Erik Guderian reported that the Town of Gilbert is in the process of switching to a new signal control software system.

8. Request for Future Agenda Items

None.

9. Next Meeting Date and Place

Next meeting date was announced at 10:00 a.m. on Wednesday, February 5, 2014, in the Ironwood Room (2nd floor) at MAG.

Adjournment

Chair Catherine Hollow adjourned the meeting at 10:20 a.m.



Freeway Management System Coverage & Planned Completion Schedule

