

July 25, 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, August 1, 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

- | | | |
|---|--|---|
| 1. <u>Call to Order</u> | | |
| 2. <u>Approval of the July 11, 2012 Meeting Minutes</u> | | 2. Review and approve minutes of the meeting held on July 11, 2012. |

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

5. Congestion Management Process (CMP) for ITS Projects

The next cycle of ITS projects to be programmed in the MAG TIP is required to be reviewed through a CMP. A call for new ITS projects is expected to be released by MAG shortly for programming FY 2015, FY 2016 and FY 2017. At the previous ITS Committee meeting, the committee adopted the CMP process in general, but recommended further discussion on the weight factors that need to be assigned to each project category. The ITS Strategic Planning effort underway has generated four ITS project categories to be incorporated in future TIP applications: (1) ITS Application for Safety; (2) Local ITS Plans; (3) Integrated Corridor Management; and (4) Arterial ITS. The committee will review, discuss and possibly recommend the CMP process for programming ITS projects for FY2015-2017.

6. Reports by Committee Members

Members will be provided an opportunity to

3. For information and discussion.

4. For information and discussion.

5. For information, discussion and possible action to recommend the adoption of the CMP, as presented or with specified modifications, for use in the TIP project ranking process for FY 2015-2017.

6. For information and discussion.

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.

8. Next Meeting Date and Place

The next committee meeting is scheduled to be held at 9:30 a.m. on Wednesday, September 5, 2012. 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.

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

July 11, 2012

MAG Ironwood Room, 2nd Floor

302 North First Avenue

Phoenix, Arizona

MEMBERS ATTENDING

Reza Karimvand, ADOT	Nicolaas Swart, Maricopa County
*Soyoung Ahn, ASU	Suresh Shrivavle, METRO
Jeff Branann for Bennie Robinson, 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	Nancy Steptoe, Phoenix Public Transit
Jorge Gastelum, City of El Mirage	Bill Birdwell, Town of Queen Creek
Jennifer Brown, FHWA	**Bruce Dressel, City of Scottsdale
Erik Guderian, Town of Gilbert	**Tracy Eberlein for Nicholas Mascia, City of Surprise
Debbie Albert, City of Glendale (Chair)	Catherine Hollow, City of Tempe
Luke Albert, City of Goodyear	Ratna Korepella, RPTA

OTHERS PRESENT

Mark Martinez, City of Avondale	Faisal Saleem, Maricopa County
**Margaret Boone, City of Avondale	Heidi Tom, RPTA
Dan Hartig, Ayres	Natalie Carrick, Michael Baker
Art Brooks, Strand	Jay Yenerich, PB
Jeff Jenq, OZ Engineering	Matthew Hann, United Civil Group
Tomas Guerra, OZ Engineering	Lisa Burgess, KHA
Deanna Haase, KHA	Sarath Joshua, MAG
Don Tappendorf, Tappendorf Engineering	Leo Luo, MAG
Kiran Guntupalli, MAG	

* Not present

** Via teleconference

1. Call to Order
Debbie Albert called the meeting to order at 9:32 a.m.
2. Approval of the June 6, 2012 Meeting Minutes
Catherine Hollow moved, Bill Birdwell seconded and it was unanimously carried to approve the corrected minutes of the meeting held on June 6, 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:

- FY2011 TSOP Projects
 - 15 projects completed so far
 - 2 Projects are on-going
 - Bell Road Traffic Coordination – 6 agencies
 - Development and implementation of new signal timing plans – Avondale
- FY2012 TSOP Projects
 - 14 TSOP projects including 7 B/A evaluations
 - One project underway at Scottsdale FLW Blvd & Loop101
 - Other six projects will begin work in August
- Vice Chair Appointment for the ITS Committee
 - Both Catherine Hollow from Tempe and Luke Albert from Goodyear have been nominated.
 - Appointment will be made by the Regional Council Executive Committee.
- ITS & Safety On-Call RFQ
 - Original RFQ was scheduled to be released on June 15th, but was delayed due to new DBE requirements that need to be incorporated into the contract.
 - The RFQ was delayed indefinitely until the DBE requirements are addressed.
- ITS Strategic Plan

A key component of the ITS Strategic Plan is the identification of regional ITS priorities. The need to improve freeway-arterial coordination through Integrated Corridor Management (ICM) is increasingly recognized as a regional priority.

5. Congestion Management Process (CMP) for ITS Projects

Sarath mentioned that the programming of federal CMAQ funds for ITS requires that congestion mitigation be considered when programming new ITS projects. The CMP Working Group of the TRC held a meeting a week ago. Participants at the meeting felt that it is very challenging to provide universal measurements for the variety of ITS projects. The recommendation from the Working Group was to incorporate CMP in the TIP process while maintaining a simple and manageable process. Chair Debbie Albert added that the CMP process is a new requirement for federally funded ITS projects. She also pointed out that MAG collects and stores a large amount of data that could potentially be used for CMP. A project ranking process based on the CMP could assist TRC and Regional Council in deciding project selection when facing uncertain budget circumstances. Sarath demonstrated a draft CMP scoring process and how it might be linked to the priorities established in the ITS Strategic Plan. He also presented a strawman list of weight factors for potential ITS project categories based on their impact on congestion mitigation. Jennifer Brown from FHWA asked what would be needed if the planned resource allocation is different from the actual projects submitted. Sarath suggested that a dynamic pie chart could help guide the ranking process. Both Jennifer and Sarath agreed that projects with regional significance may receive more weights. Mike Mah from Chandler asked whether the committee should let the project application demand decide the resource allocation. Sarath mentioned that the overall project category

and planned resource allocation are derived from past TIP projects. Leo added that ITS Committee could assign ITS projects with different elements into one category based on the purpose and the funding components of the project. Nicolaas Swart from Maricopa County mentioned that the benefits of some of the projects may not be realized until other efforts are introduced. Maybe those projects should include elements that can help materialize the benefits. Luke Albert from Goodyear mentioned the challenge of assigning a project that covers different project categories to one category. Sarath mentioned that the method could separate a project into different components and then summarize the overall scores for the project by adding the scores from different components. Chair Debbie Albert mentioned that breaking down the projects into different components could be time consuming and complex given the fact that the committee needs to provide recommendations to three (3) program years. Erik Guderian from Gilbert asked if it would be a concern if a target is set for each project category to give priority to a lower ranking, but in a less competitive category project. Sarath explained to Catherine Hollow from Tempe and Ron Amaya from Peoria on how committee members provide their scores and the goal is to mitigate congestion. Luke suggested reducing the number of project categories. Sarath mentioned that the project categories need to be determined by the ITS committee, but he also cautioned that having too few project categories would impact the effectiveness of the CMP process. Luke also suggested using a range of percentage in the ITS Strategic Plan for funding allocation of each project category. Debbie and Sarath agreed that it would be helpful to invite agencies to make a brief presentation on their proposed projects. Sarath also mentioned that there is no well-established CMP process for programming ITS projects nationwide. Jennifer suggested applying some adjustment at the end of the programming process if the Committee sees fit because this is the first time the process is used. Mike suggested applying the past projects to the method and tests its performance. The ITS committee agreed in general the proposed approach in applying CMP in ITS TIP programming process. The project categories and the weight factor for each category will be discussed at the ITS Strategic Plan project and the next ITS Committee meeting. Four project categories including ITS for Safety, ITS Plans, ICMS and Arterial ITS, were later recommended in the ITS Strategic Plan discussion. **Further discussion and action on this agenda item was tabled until the August ITS Committee meeting.**

6. Reports by Committee Members

Erik Guderian mentioned that the Town of Gilbert is finalizing the design of the fiber project along Gilbert Road. Jeff Branann mentioned that the Avondale interim TMC project is close to completion and expect to be operational later in July. The City is also finalizing the city wide TSOP project. Nicolaas Swart from Maricopa County mentioned that AzTech produced a performance measurement dashboard document and City of Scottsdale is developing an arterial-freeway coordination white paper. Jennifer Brown from FHWA mentioned that the CMAQ funding level remains the same in the new transportation bill. Reza Karimvand mentioned that the ADOT control room project is close to completion. An open house invitation will be sent to committee members. The central control signal system along with other two (2) projects were advertized in late June. He also mentioned that ADOT is developing an alternative route plan in response to traffic incidents and exploring options for DMS information display strategies. Madam Chair Debbie Albert mentioned that City of Glendale is finalizing the scope of work for modernizing the TMC. The system acceptance test of new KIDS signal control system is close to completion.

7. Request for Future Agenda Items
No future agenda item was received.

8. Next Meeting Date and Place
Next meeting will be held at 9:30 a.m. on Wednesday, August 1, 2012, in the Ironwood Room (2nd floor) at MAG.

Adjournment

Debbie Albert adjourned the meeting at 10:35 a.m.