

April 26, 2016

TO: Members of the MAG Intelligent Transportation Systems Committee

FROM: Marshall Riegel, City of Phoenix, Chair

SUBJECT: MEETING NOTIFICATION AND TRANSMITTAL OF TENTATIVE AGENDA

Wednesday, May 4, 2016- **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 Leila Gamiz 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> |
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| <p>1. <u>Call to Order</u></p> <p>For the May 4, 2016 meeting, the quorum requirement is 10 committee members.</p> | |
| <p>2. <u>Approval of the April 6, 2016 ITS Committee Meeting Minutes</u></p> | <p>2. Review and approve minutes of the meeting held on April 6, 2016.</p> |
| <p>3. <u>Call to Audience</u></p> <p>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.</p> | <p>3. For information and discussion.</p> |
| <p>4. <u>Program Managers Report</u></p> <p>The following items will be discussed:</p> <ul style="list-style-type: none">• Status of TSOP Projects• Report on the RCN• TOPS-BC Workshop• 2016-2019 ITS On-Call Consultant Selection | <p>4. For information and discussion.</p> |
| <p>5. <u>FY2016 Systems Management and Operations Plan Consultant Selection</u></p> <p>The FY2016 MAG Work Program included a study, with a budget of \$300,000, to develop a Systems Management and Operations (SM&O) Plan for the MAG region. The scope of work was developed with input from the committee and later refined by a nine-member study panel. An RFP was issued on March 11, 2016, and a</p> | <p>5. For information, discussion and possible action to recommend the firm Kimley-Horn and Associates for conducting a study to develop a Systems Management and Operations Plan.</p> |

total of three proposals were received on April 8, 2016. The study panel reviewed the proposals and at a panel meeting held on April 25, 2016, recommended the firm Kimley-Horn and Associates for conducting the study.

Upon Regional Council approval of this recommendation, a contract will be developed and executed. It is anticipated that work on this project would begin in August 2016.

6. Developing A More Strategic Approach to Improving Traffic Signal Operations Regionwide

Since initiation of the program in 2005, the MAG Traffic Signal Optimization Program (TSOP) has carried out more than 110 projects optimizing signal operations at over 1200 intersections. The MAG region has a total of about 3500 signalized intersections. In addition, the program has provided assistance to many local agencies in coding their Synchro networks. The program has also provided an annual Synchro workshop to provide a training opportunity to local agency staff on the Synchro software. Most local agencies in the region appear to have the software tools and competent staff for addressing routine signal timing issues.

The current approach to identifying TSOP projects is through an open call for projects, with local agencies submitting projects that would meet criteria established by the committee. Projects are then reviewed by the committee and recommended for funding.

Programs such as TSOP are a key component of many urban TSMO programs. MAG staff conducted a review of practices in similar programs with a view to possible adoption of some best practices for improving the MAG program, through better project selection. A brief presentation on the findings will be provided.

6. For information and discussion.

7. Reports by Committee Members

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

7. For information and discussion.

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.

8. For information and discussion.

9. Next Meeting Date and Place

The next meeting is scheduled to be held at 10:00 a.m. on Wednesday, June 1, 2016. It will be held in the Ironwood Room on the 2nd Floor of the MAG office building.

9. For information.

Adjournment

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

April 6, 2016

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

MEMBERS ATTENDING

- | | |
|--|---|
| # Reza Karimvand, ADOT | # Faisal Saleem for Nicolaas Swart, Maricopa County |
| # Yingyan Lou, ASU Chris Hamilton, City of Avondale | * Avery Rhodes, City of Mesa Steve McKenzie, City of Peoria |
| # Mike Mah, City of Chandler Sergeant Daniel Williams for Captain Burley Copeland, DPS | Marshall Riegel, City of Phoenix Reginal Fitzpatrick, City of Scottsdale |
| Bryce Christo, City of El Mirage Toni Whitfield, FHWA | Albert Garcia, City of Surprise |
| * Leslie Bubke, Town of Gilbert Allan Galicia for Debbie Albert, City of Glendale | # David Lucas, City of Tempe |
| # Luke Albert, City of Goodyear | # Suresh Shrivastava for Abhishek Dayal, Valley Metro |

OTHERS PRESENT

- | | |
|--|-----------------------------------|
| Farzana Yasmin, ADOT | Jim Schoen, Kittelson |
| Khamchanh Ratsavong, City of Scottsdale | Sandy Thoms, Jacobs |
| Tom Deitering, FHWA | Shanthi Krishnan, Jacobs |
| Jodi Rooney, ADOT | Natalie Carrick, Michael Baker |
| Mark Poppe, ADOT | Don Tappendorf, Michael Baker |
| Vinay Vanapalli, Stantec | Scott Kelley, Amec Foster Wheeler |
| Srini Goundla, PB | Paul Porell, RTE |
| Arnab Gupta, AECOM | Terry Conner, Gannett Fleming |
| Lisa Burgess, Kimley-Horn | Cory Steele, Strand |
| Don Wiltshire, YSMA | Margaret Boone, MAG |
| Jeff Jenq, OZ Engineering | Micah Henry, MAG |
| Anita Johari, ASJ Engineering | Monique de los Rios Urban, MAG |

- * Not present or represented by proxy
- # Participated by teleconference
- + Participated by videoconference

1. Call to Order
Chair Marshall Riegel called the meeting to order at 10:00 a.m.

2. Approval of the March 9, 2016 ITS Committee Meeting Minutes
Chair Riegel requested approval of the meeting minutes from the March 9th ITS Committee meeting. **Chris Hamilton from City of Avondale moved, Albert Garcia from City of Surprise seconded, and it was unanimously carried to approve the minutes of the meeting held on March 9, 2016.**

3. Call to Audience

Chair Riegel 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

Chair Riegel invited Margaret Boone from MAG, proxy for Sarath Joshua, to present the Program Manager's Report. Ms. Boone addressed the following items in the report:

➤ Status of Traffic Signal Optimization Program Projects:

For FY2015 TSOP projects ten out of the eleven projects have been completed. The task order for the final project for the I-10 ICM Final Phase is underway by Lee Engineering. For FY2016 TSOP projects, seven (7) projects, including the Before and After Evaluation and the Synchro training, are underway. The arterial projects are in the Synchro modeling phase and signal timing development. The Synchro Training Workshop is scheduled for Wednesday, July 13th through Friday, July 15th from 8:30 AM to 5:00 PM at the MCDOT Training Facility. Invitations will be provided in June.

➤ I-10 ICM Deployment Planning Study Project

Effort for the national ICM Deployment Planning Pilot Project is on-going. The focus of the study is on effective operations and strategies for major incidents and closures on I-10. This includes communications to support enhanced real-time traffic monitoring, supporting freeway-arterial coordination, and traveler information for real-time decision making and route alternatives. Phase 1 included development of the Project Management Plan (PMP) and the System Engineering Management Plan (SEMP) and has been completed. The scope of work for the next phase is being developed. This includes the Concept of Operations (ConOps), the Analysis, Modeling and Simulation (AMS) Plan, and the System Requirements Plan. The PMP and SEMP documents will also be updated. This scope of work will be advertised as a Request for Proposals (RFP) in the near future.

➤ TOPS-BC Workshop

FHWA, ADOT and MAG have collaborated to hold a one-day workshop at MAG on the Tool for Operations Benefit-Cost Analysis (TOPS-BC). This is scheduled for April 26th from 8:30 AM to 4:30 PM in the MAG Ironwood conference room. There is a capacity of 25 people so interested parties should respond to the RSVP sent by Brent Cain with ADOT. Toni Whitfield with FHWA stated the Excel-based tool will help agencies identify the Benefit-Cost ratios for different operations strategies. As the focus so far has been on Traffic Incident Management (TIM) and Active Traffic Management (ATM), the planning process is identifying the operations component and is currently being updated. Variable Speed Limits (VSL) will also be considered. The invitation will identify the appropriate number of attendees for agencies. The TOPS-BC tool is available to be downloaded and it is requested that attendees bring laptops for demonstrations.

➤ RFP for MAG Systems Management & Operations Plan

A Request for Proposals (RFP) for developing the Systems Management &

Operations (SM&O) Plan was advertised on March 11th. The Pre-proposal Conference was held on March 24th. Proposals are due on April 8th. Following the submissions, proposals will be distributed to the evaluation team and the recommendation for the consultant will be on the May 4th ITS Committee meeting agenda as a possible action item. FHWA is about to begin an effort to develop guidelines for TSMO Planning; Sarath Joshua with MAG is in Washington, D.C. to assist in this effort.

5. 2016-2019 MAG ITS On-Call Consultant Qualification

Chair Riegel invited Margaret Boone with MAG to present the recommendations from the evaluation team for the 2016-2019 MAG ITS On-Call. A total of twenty-three (23) proposals were received in response to the MAG Request for Qualifications (RFQ) for ITS On-Call Consulting Services on March 1st. The evaluation team consisted of ITS committee members and MAG staff. The panel reviewed the proposals and convened on March 30th to develop recommended ranked lists of consultants for each of the five (5) areas of technical expertise identified in the RFQ. In addition to the ITS component the RFQ called for three (3) areas of technical expertise for Safety related projects for which a list of ranked consultants was recommended by the Transportation Safety Committee in March. Ms. Boone referred the committee to Attachment One provided in the agenda packet for the list of the fifteen (15) consultants recommended for each of the areas of expertise.

Committee action was requested to recommend the ranked list of consultants for the MAG ITS On-Call Consulting Services. **Reza Karimvand from ADOT moved, Albert Garcia from City of Surprise seconded, and it was unanimously carried to approve the recommended ranked list of consultants for the MAG ITS On-Call Consulting Services.**

Ms. Boone thanked those who served on the evaluation team. This recommendation will go before the MAG Management Committee and then Regional Council Executive Committee for approval on April 18, 2016. The resulting new On-Call Services contracts are expected to be in place by the end of August 2016.

6. Buy America Compliance Requirements

Chair Riegel invited Tom Deitering with FHWA and Jodi Rooney with ADOT to discuss the potential impacts of recent changes for procurement of federally funded projects. On January 11, 2016, ADOT released a memo that stated all local public agencies administering Federal-Aid projects must ensure Buy America-compliance for all steel and iron manufactured products.

The current regulatory requirements state that all manufacturing processes for steel and iron materials must take place in the U.S. Expansion of these requirements to the federal-aid program projects occurred in 1991, 1998, and 2012. Oversight issues were introduced with the development of the 2009 American Recovery and Reinvestment Act (ARRA) projects. To mitigate these issues FHWA issued a technical memorandum in December 2012 for clarification. Requirements were upheld but regulations did not apply to manufactured products that are not predominantly steel or iron (90% steel and/or iron content), and miscellaneous steel or iron components necessary to encase, assemble, and construct manufactured products.

The 2012 FHWA memo established Buy America requirements to include these new clarifications. In February of 2013, a group of eight (8) manufacturing corporations and labor unions filed a petition for review, citing concerns regarding the loss of Buy America coverage. In response, a Federal Register Notice of Proposed Rulemaking was issued with a request for comments to gain a better understanding of implementation issues. Comments were received by Congestion Mitigation and Air Quality (CMAQ) advocates, public agencies, steel manufacturers and labor unions.

In December 2015, the US District Court granted the Plaintiffs' motion for summary judgement ruling that; setting the 90% threshold was a substantive rule implemented without appropriate notice and comment, that the threshold was arbitrary and capricious, and that the miscellaneous products exception was also substantive. In January 2016, FHWA withdrew the 2012 memo noting that recipients must use the existing policies in place. Contracting agencies should take reasonable steps to implement the revision consistent with their procurement process. FHWA is still reviewing the revised process, but has provided their field offices with minimum guidance at this time. There are still enforcement concerns on how to verify compliance and specific policies are in place for justification of waivers. The local FHWA division office does not have the authority of approval for waiver requests. Approval comes from the Office of the Secretary of Transportation.

The committee discussed concerns and implications of this requirement on federally funded ITS projects in the MAG Transportation Improvement Program. The impact of these revisions is not yet known. Margaret Boone with MAG inquired on the process of submitting requests and concerns. Project-level inquiries or issues should be submitted to Jodi Rooney with ADOT. Comments or questions in general should be submitted to Toni Whitfield with FHWA. Marshall Riegel looked for clarification of a non-steel/iron casing held together with steel/iron bolts. Mr. Deitering stated that the bolts would be subject to Buy America requirements and that aluminum poles are frequent concerns. Buy America requirements apply at every stage of manufacturing and production. Jodi Rooney with ADOT agreed with FHWA. Faisal Saleem with MCDOT stated that waivers are commonly requested for vehicles purchased by agencies. FHWA will review to provide guidance.

7. Reports by Committee Members

Chair Riegel called on members to report items of interest to the committee. Albert Garcia with City of Surprise stated that the Bell Road and Grand Avenue intersection improvement project was kicked-off, including a full closure of the intersection. He recognized MAG staff, specifically Ryan Gish, City of Peoria, and Maricopa County for a successful collaboration to establish a redundant link for the Regional Community Network (RCN) and cities' signal systems communication. He stated that Ryan Gish with MAG was assisting City staff well into the evening to aid this effort. Faisal Saleem with MCDOT echoed the praise of the collaboration for establishing communications for monitoring and signal timing coordination. Toni Whitfield with FHWA, reminded Committee members of the SHRP2 Implementation Assistance Program has been announced. Applications are due at the end of April, with the selection completed by June.

8. Request for Future Agenda Items
Chair Riegel called on members to request future agenda items. There were no requests.
9. Next Meeting Date and Place
Chair Riegel noted that the next meeting will be held at 10:00 a.m. on Wednesday, May 4, 2016, in the Ironwood Room (2nd floor) at MAG.
10. Adjournment
Chair Riegel adjourned the meeting at 10:45 a.m.