

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

August 3, 2011  
City of Phoenix East Conference Room, 20<sup>th</sup> Floor  
200 West Washington Street  
Phoenix, Arizona

**MEMBERS ATTENDING**

Darrell Bingham for Reza Karimvand, ADOT	**Hugh Bigalk for Luke Albert, City of Goodyear
*Soyoung Ahn, ASU	Faisal Saleem for Nicolaas Swart, Maricopa County
Margaret Boone-Pixley for Bennie Robinson, City of Avondale	*Suresh Shrimavle, METRO
* Thomas Chlebanowski, Town of Buckeye	**Derrick Bailey, City of Mesa
Mike Mah, City of Chandler	**Ron Amaya, City of Peoria
*Captain R. Brant Benham, DPS	Marshall Riegel, City of Phoenix
Jorge Gastelum, City of El Mirage	Bob Ciotti, Phoenix Public Transit
Jennifer Brown, FHWA	Bill Birdwell, Town of Queen Creek
Kurt Sharp, Town of Gilbert	*Bruce Dressel, City of Scottsdale
Debbie Albert, City of Glendale	*Nicholas Mascia City of Surprise
	*Catherine Hollow, City of Tempe
	Ratna Korepella, RPTA

**OTHERS PRESENT**

Joel Havris, Phoenix	Anita Shanker, Stantec
Ted Smithwick, Ayres	Doug Mccants, Atkins
Terry Eriffith, Atkins	Adam Ocguin, Atkins
Faisal Chowdhury, HDR	Jay Yenerich, PB
Jim Lee, Lee Engineering	Steve Blair, ITS Engineer
Bo Gao, TransCore	Natalie Carrick, Michael Baker
Jeff Jenq, OZ Engineering	Tomas Guerra, OZ Engineering
Lisa Burgess, KHA	David Riley, UCG
Kim Carroll, Stanley	Shelly Sovensen, Stanley
Sandy Thans, Jacobs	Shanthi Krishnan, Jacobs
Leo Luo, MAG	Kiran Guntupalli, MAG

- \* Not present
- \*\* Via teleconference

1. **Call to Order**

Chair Debbie Albert called the meeting to order at 9:42 AM.

2. Approval of the June 1, 2011 Meeting Minutes

**After noting a few minor corrections, Marshall Riegel moved, Faisal Saleem seconded and it was unanimously carried to approve the minutes of the meeting held on June 1, 2011.**

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:

- Non-Recurring Congestion Study Update— A draft technical memorandum on the framework for pilot study has been distributed for review. Committee members were asked to send all review comments to MAG. A project meeting will be held immediate after the ITS Committee meeting.

- FY2015 TIP Programming Update—The MAG TIP programming for FY 2015 has been deferred until August 2012 due to the uncertainty of the availability of federal funding. Debbie Albert asked if any projects will be programmed in FY 2015. Sarath Joshua confirmed that air quality is the only area where funding will be programmed for FY2015 projects.

- RCN Update—An informational workshop on the RCN will be held on August 11, 2011 at the ADOT Human Resources Development Center

- Private Probe Vehicle Study Update—A summary of findings from a state-of-the-practice review of real-time private probe vehicle data was provided. Mike Mah mentioned that it will be beneficial for the region to obtain the Private Probe Vehicle data and compare the data with the Bluetooth data on arterial streets. Sarath Joshua suggested that a more detailed discussion on that topic could be scheduled for the next committee meeting.

- Status of Regional Transportation System Management and Operations — A survey has been sent to all local agencies in the region. Some comments and requests for clarification have been received by MAG. Lisa Burgess from Kimley-Horn was asked to provide a brief status update. She mentioned that clarifications of some of the survey questionnaire will be sent out within a week. Preliminary survey results will be provided to the committee members at the next meeting. Sarath Joshua agreed to send a reminder to committee members on the survey.

5. Potential Use of Mesoscopic Simulation Modeling for Operations Planning

In introductory comments Sarath Joshua stated that the ability to perform large scale operations modeling through simulation is now considered a priority at the national level. Further, he stated that the efforts at MAG in developing this capability have gained national recognition in operations modeling. Leo Luo presented the results of an in-house effort to test the emerging mesoscopic simulation-based Dynamic Traffic Assignment (DTA) model—Dynus-T. The test evaluated several strategies for mitigating the impact of a real-life major crash occurred on I-10. Through the test, MAG staff was

able to verify the model's functionality, reliability and efficiency. The model was presented to the committee for considerations in future operations analysis. Leo presented the Traffic Incident Management (TIM) strategy case study utilizing the Dynus-T model through multi-resolution modeling approach—combination of macro travel demand model, meso DTA model and micro simulation model. Detail model calibration, scenario analysis and model outcomes at the mesoscopic DTA level were presented. The Dynus-T model seems to be cost-effective, efficient, reliable and capable of analyzing area wide transportation issues. In addition, it was demonstrated how the output of Dynus-T can be imported into the VISSIM model for more detailed micro level analysis. The simulation visualization of the crash scene was also demonstrated. Sarath added that this presentation seems to be very promising on how to model operations. It was recommended as one of the best papers to be submitted at the TRB annual conference. The main intent of the effort is to help provide better solutions for transportation issues arise in the region and at MAG member agencies.

6. FY2012 TSOP Projects

This item will be moved to the next ITS Committee meeting.

7. ITS Planning for Small Communities

Shanthi Krishnan from Jacobs Engineering provided a brief update on the project. She mentioned that a questionnaire will be sent to all the agencies in the next few weeks to gather information. Feedback from a workshop that held at MAG on May 18<sup>th</sup> will also be considered in developing the guidelines. The consulting team is currently developing the draft guidelines document.

8. Status Reports by Committee Members

Bruce Dressel mentioned that City of Scottsdale has advertised a traffic analyst position. Margaret Boone-Pixley from City of Avondale mentioned that their interim TMC is about 50 percent complete. Jennifer Brown from FHWA mentioned that Jeff King from DPS and Reza Karimvand from ADOT will be attending the two-week Operations Academy in Maryland. FHWA is hosting a full-day workshop on Adaptive Traffic Control on September 8, 2011. Faisal Saleem from Maricopa County mentioned that the new TMC RFP will be advertised soon. Darrell Bingham from ADOT mentioned that the TOC video wall project RFP will also be advertised soon. Chair Debbie Albert mentioned that the Glendale ITS Strategic Plan is underway. A stakeholder meeting will be held on August 4th. She also mentioned that the new traffic signal system project is underway and that KITS has been selected. It is expected to be operational by the first football game. Jennifer Brown reported that the FHWA local office is undergoing restructuring.

9. Request for Future Agenda Items

No future agenda item is received.

10. Next Meeting Date and Place

Next meeting will be held at the 2<sup>nd</sup> floor in the Ironwood Room at MAG at 10:00 a.m. on Wednesday September 7, 2011.

11. Adjournment

Chair Debbie Albert adjourned the meeting at 10:30 a.m.