

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

September 7, 2011
MAG Cholla Room, 2nd Floor
302 North First Avenue
Phoenix, Arizona

MEMBERS ATTENDING

Reza Karimvand, ADOT	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 Shrivavle, 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

Avery Rhodes, Glendale	Michael Reese, Avondale
Darrell Bingham, ADOT	Allen Barakovic, Jacobs
Doug McCants, Atkins	Jason Watson, Horrocks
Faisal Chowdhury, HDR	Joe Spadafino, YSMA
Jim Lee, Lee Engineering	Jay Yenerich, PB
Bo Gao, TransCore	Dan Hartig, Ayres
Jeff Jenq, OZ Engineering	Marta Gerber, Michael Baker
Tricia Boyer, KHA	David Riley, UCG
Lisa Burgess, KHA	Shelly Sovensen, Stanley
Leo Luo, MAG	Kiran Guntupalli, MAG

- * Not present
- ** Via teleconference

1. Call to Order
Chair Debbie Albert called the meeting to order at 10:02 AM.
2. Approval of the August 3, 2011 Meeting Minutes
Mike Mah moved, Kurt Sharp seconded and it was unanimously carried to approve the minutes of the meeting held on August 3, 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:

- FY2011 TSOP project update: Seven (7) projects have been completed. Seven (7) projects are still underway. Two (2) projects are about to start. The total cost for all the projects is \$434,000.
- RCN Workshop: A RCN Informational Workshop was held at ADOT HRDC on August 11, 2011. Chair Debbie Albert provided a brief summary of the workshop.
- Conclusion of the Non-Recurring Congestion Study and Next Step: Jim Lee presented the executive summary of the study. Committee members are requested to provide comments of the study by Friday. Faisal Saleem suggested adding Traffic Incident Management as one of the potential counter measures.
- MAG Request for Information on FY2011 & FY2012 TIP Projects: An email from MAG was sent to remind member agencies to provide information of federal funded FY2011 and FY2012 TIP projects. For projects that will not be authorized by September 30, 2011, Request to Defer form needs to be submitted to MAG by September 14, 2011.

5. Private Probe Vehicle Study, Arterial Data Availability and Data Quality

Shawn Turner from TTI made a brief presentation to introduce the state of practice of traveler information in utilizing Private Probe Vehicle (PPV) data. Many DOTs are expanding the use of the data. Key issues including technical, procurement, data assurance, etc. in integrating the PPV data for traveler information were also identified. Comparison between PPV data and fixed-point sensors data were also discussed. Another option to be considered is the Bluetooth reidentification, although operations and maintenance will incur. Chair Debbie Albert asked the probe vehicle data quality on arterials. Shawn mentioned that this is still an on-going progress. Sarath asked how much of the data from the private firms are coming directly from DOTs and what share of the business the public agencies are accounted for their business. Shawn mentioned that the main revenue sources of the private data firms are other private entities such as ISPs, auto manufacturers, etc. Mike Mah asked how the private firms produce the link speeds. Shawn mentioned that it varies significantly among different vendors. What they are providing is a best estimate of the link speed based on the data they have. It is more important to specify the accuracy requirement for the estimation than finding out exactly how each firm comes up with the estimation. Mike also asked the major data providers to day. Shawn mentioned INRIX, NAVTEQ, TrafficCast and several other providers. Faisal Saleem asked what kind of contract mechanism is utilized. Shawn mentioned that it varies. Many of the states have annual contract or bi-annual contract with extension options. Mike Mah shared Chandler's experience with Bluetooth technology by providing travel time information on arterial DMSs. They also utilize the technology as a substitute for floating car travel time runs. Sarath mentioned that the data restriction the private firms apply is sometimes a challenge for public agencies. Shawn agreed and mentioned that the public agencies should consider different applications of the data and negotiate with the private firms before acquiring it. Shawn also shared the success case of Bluetooth deployment in TranStar, Houston, TX. Chair Debbie Albert asked the existing

Bluetooth data collection companies. Shawn mentioned that there are only 5 to 6 private firms to day, but the business models vary. Mike mentioned that Chandler acquired the hardware and software separately and has full control of the data. Mike Mah and Faisal Saleem also shared their cost estimates with Reza Karimvand. Mike Mah confirmed with Sarath that the spacing of Bluetooth devices in Chandler ranges from half of a mile to 6 miles. Chair Debbie Albert asked if federal funding can be utilized for purchasing private data or devices and the on-going operations and maintenance costs. Sarath mentioned that it is possible to use federal funding for the purpose. However, limitations still apply for on-going operations and maintenance.

6. Status of Regional Transportation System Management and Operations

Lisa Burgess from Kimley-Horn Associates made a brief presentation on the project. A preliminary summary of the response from the survey was also shown. She also requested that the agencies which have not responded, to fill out the survey form. The project is expected to be completed by December, 2011.

7. FY2012 Traffic Signal Optimization Program (TSOP)

Sarath mentioned that before-and-after study is required for the next round of TSOP. This means the TSOP projects must lead to implementation with measureable improvements. Data collection alone should not be an eligible TSOP project. He suggested establishing new project selection criteria and focus areas. Sarath also showed TSOP examples from other regions in the draft NCHRP report. He also recommended forming a TSOP Working Group. Mike Mah, Catherine Hollow, Ron Amaya, Debbie Albert, Margaret Boone-Pixley and Faisal Saleem volunteered to join the TSOP Working Group to help establish TSOP focus area and criteria. Mike suggested having the before-and-after studies for selected projects. Cathy Hollow asked if two projects should be proposed. One for the timing update, the other for the before-and-after study. Sarath suggested having only one project proposed. Then the committee could decide the appropriate projects to be evaluated through before-and-after study.

8. Status Reports by Committee Members

Ron Amaya mentioned that Peoria is deferring some ITS projects. He also mentioned that Peoria is testing Rhodes at 83rd avenue and Thunderbird intersection. Faisal Saleem mentioned that Maricopa County TMC facility project is completed. The systems upgrade project which includes video wall installation will be completed in the next phase. Margaret Boone-Pixley mentioned that the McDowell ITS project is launched. Sarath mentioned that the ITS Arizona will be held at Mesa convention center on September 29, 2011.

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 2nd floor in the Ironwood Room at MAG at 10:00 a.m. on Wednesday October 5, 2011.

Adjournment

Chair Debbie Albert adjourned the meeting at 11:52 a.m.