

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

February 3, 2010
MAG Cholla Room, 2nd Floor
302 North First Avenue
Phoenix, Arizona

MEMBERS ATTENDING

Scott Nodes, ADOT	Luke Albert, City of Goodyear
**Soyoung Ahn, ASU	Nicolaas Swart, Maricopa County
Gus Woodman, City of Avondale	Derrick Bailey, City of Mesa
*Thomas Chlebanowski, Town of Buckeye	**Ron Amaya, City of Peoria
Mike Mah, City of Chandler	*Marshall Riegel, City of Phoenix
SGT. Chris Romero for Lt. Jenna Mitchell, DPS	Bob Ciotti, Phoenix Public Transit
Jerry Horacek, City of El Mirage	Bill Bierwell for Michael Pacelli, Town of Queen Creek
*Jennifer Brown, FHWA	*Bruce Dressel, City of Scottsdale
Kurt Sharp, Town of Gilbert	Nicholas Mascia for John Abraham, City of Surprise
**Debbie Albert, City of Glendale	*Jim Decker, City of Tempe
	Arkady Bernshteyn, Valley Metro Rail

OTHERS PRESENT

Darrell Bingham, ADOT	Farzana Yasmin, ADOT
Lonnie Hendrix, ADOT	Marta Gerber, Olsson Associates
Bo Gao, TransCore	Lisa Burgess, KHA
Art Brooks, Strand Associates	Yung Koprowski, Lee Engineering
Saroja Devarakonga, HDR	Shanthi Krishnan, Jacobs
Paul Basha, EPS	Gary Rylander, Rylander Consulting
Armand Ciccarelli, PBS&J	Dan Hartig, Ayres Associates
Jason Watson, Horrocks Engineering	Don Wiltshire, YSMA
Sarath Joshua, MAG	Kiran Guntupalli, MAG
Leo Luo, MAG	

*Not present

** Via teleconference

1. Call to Order
Chairman Nicolaas Swart called the meeting to order at 10:05 AM.
2. Approval of January 6, 2010 and January 21, 2010 Meeting Minutes
Luke Albert moved, Derrick Bailey seconded and it was unanimously carried to approve the minutes of the meeting held on January 6, 2010. Arkady Bernshteyn moved, Luke

Albert seconded and it was unanimously carried to approve the minutes of the joint meeting between MAG ITS Committee and MAG TAG held on January 21, 2010.

3. Call to Audience

Chairman Nicolaas Swart 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:

- Status of RCN project

The RCN phase 1A is near completion. The testing plan is being developed and will be made available for comments. RCN Roles and Responsibilities document recommended by both MAG ITS and MAG TAG was recommend for approval by TRC and will go through Management Committee and Regional Council in February. ADOT will be coordinating a Camera Chameleon upgrade during April. Three subgroups have been formed to address RCN operations issues and brief reports were provided at the RCN Working Group meeting. The groups addressed: (1) Camera Chameleon and DMS usage, (2) utilizing RCN as a backup path for traffic signals and (3) utilizing RCN for disaster recovery backup – proposed by Randy Jackson from Surprise.

The memo from MAG to member agencies asking for permission to access RCN active electronics has been sent to all agencies. In response to a question from Luke Albert, Sarath Joshua confirmed that the MAG memo was also sent to MAG member agencies that are not part of the RCN Phase 1A project. This memo would enable future phases of the RCN installed at those agencies to proceed under the same basis.

- Status of TSOP projects

A total of 13 TSOP projects are included in this cycle. The first project involving SYNCHRO training was conducted last week. A funding request for FY2011 TSOP projects has been included in the MAG FY 2011 work program. Derrick Bailey and Luke Albert commented that the SYNCHRO training is very helpful for member agencies.

- Update the CMAQ Methodology for Evaluating Proposed ITS Projects – this project will investigate and improve the current MAG methodology for evaluating emissions reductions due to proposed ITS projects. The total cost is \$49,981. Lee Engineering and TTI will be conducting the study.

- Request for Qualifications for 2010 ITS on-call services contracts

The RFQ is under development. Ideas on new projects are welcome. Mr. Joshua will send an email to the committee calling for volunteers for the selection panel.

- Non-Recurring Congestion Study

The project contract is expected to be signed next week. Lee Engineering, TTI and TRA will be conducting the study.

5. ADOT Radio Upgrade Project

Lonnie Hendrix from ADOT revisited the presentation on the background of the project. ADOT is proposing to utilize \$4M unprogrammed FMS funding to upgrade the Radio system in MAG region. Mr. Hendrix mentioned that the Radio system will be beneficial to all other member agencies. Scott Nodes emphasized that ADOT TTG is actively participating the traffic management and incident response. The radio system is a critical component for ADOT operations. Scott Nodes moved, Luke Albert seconded the motion to utilize \$4M unprogrammed FMS funding to upgrade the Radio system in MAG region. Derick Bailey, Mike Mah, Debbie Albert, Nicholas Mascia expressed concern on the

potential impact of this funding diversion on future FMS projects. Scott Nodes explained that the \$4M is unprogrammed, which means no specific FMS project is linked to the funding and ADOT viewed the radio upgrade as part of FMS. Sarath Joshua further explained that \$144M was allocated for FMS completion in the region in the RTP. However, not all the FMS projects are identified. Mike Mah asked how ADOT could utilize the funding since the funding is in the future years. Sarath Joshua mentioned that there could be savings on future FMS development because of emerging techniques and he reminded members that the radio system failure could have significant risks. Scott Nodes added that ADOT no longer has the cell phones for operators as backup communications method. Mike Mah asked if other involved parties in ADOT should also contribute to the radio system. Lonnie Hendrix mentioned that due to the current financial situation, it's nearly impossible to find other source of funding. Arkady Bernshteyn asked there are several large wireless communications systems in the region. From the interoperability stand point, how important it is to own a dedicated system? Lonnie Hendrix mentioned that the option of being a subscriber to the existing systems has been discussed, but the conclusion and recommendation is to have ADOT's own system. Mr Bernshtein also asked if ADOT can provide match fund if the project is utilizing FMS funding. Lonnie Hendrix indicated that he could ask ADOT management. However, it will be very difficult since many federal funding sources cannot be applied to operations. Sergeant Chris Romero of DPS emphasized that the system is critical to public safety. Mike Mah agreed that the importance of the radio system is without question, but he would want to have all parties contribute to the system instead of FMS alone. Jerry Horacek asked how the current 911 system operates. How the DPS, local police and fire, ADOT and member agencies communicate currently. The communications issues have last for many years. It would be better to review the current practice and solve those issues. He asked if more detail information on the usage of the system by channels and users can be provided. Arkady Bernshteyn confirmed with Lonnie that the proposed system is a 800MHz system. He mentioned that ADOT is working with Phoenix on a 800-700MHz system. Again, leverage of the system may help. Sarath Joshua agreed to gather questions from all committee members and forward them to Scott Nodes. After the discussion, Chairman Nicolaas Swart suggested tabling the item. Scott Nodes agreed to withdraw the motion and Luke Albert agreed to the withdrawal. The item was tabled for the next committee meeting.

6. Discussion on Future TSOP Projects

Sarath Joshua explained the previous ranking criteria for TSOP projects and asked for suggestions to improve the project selection process. Mike Mah asked if standards should be established for the cost of each intersection involved in the TSOP. Sarath Joshua agreed to include this for future discussion. Luke Albert recommended giving more priorities to projects involving more agencies. Chairman Nicolaas Swart suggesting committee members provide further input to MAG in the next few months.

7. Status Reports by Committee Members on ITS Activities

Bob Ciotti mentioned that the transit communications project utilizing 800-700MHz frequency is current underway. Arkady Bernshteyn mentioned that Metro and City of Phoenix will also be on the same network. Derrick Bailey mentioned that two ITS projects were out for bid last month. One is the Santan Freeway fiber backbone project, the other is Mesa TMC upgrade. A fiber backbone project at Mesa downtown is open for bids now. Bill Birdwell mentioned that the Queen Creek downtown ITS project is underway. Scott Nodes mentioned that the state's 511 system experienced high volume growth over the

past few years. The system is approaching its capacity. Ideas to expand the system are welcome. Sarath Joshua mentioned a Transit ITS workshop will be held in Phoenix February 24 through 25.

8. Request for Future Agenda Items

No agenda item requests were received from committee members.

9. Next Meeting Date

Next meeting date was announced as 10:00 a.m. on Wednesday, March 10, 2010 at MAG.

10. Adjournment

Chairman Nicolaas Swart adjourned the meeting at 11:35 a.m.