

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

July 11, 2007
MAG Cholla Room, 2nd Floor
302 North First Avenue
Phoenix, Arizona

MEMBERS ATTENDING

Lydia Warnick for Scott Nodes, ADOT	Nicolaas Swart, Maricopa County
*Mary Kihl, ASU	Alan Sanderson, City of Mesa
Kelly LaRosa, City of Avondale	*Ron Amaya, City of Peoria
*Thomas Chlebanowski, Town of Buckeye	*Ron Doubek, City of Phoenix
*Mike Mah, City of Chandler	Bob Ciotti, Phoenix Public Transit
Mike Lockhart, DPS	Michael Pacelli, Town of Queen Creek
*BJ Cornwall, City of El Mirage	*Bruce Dressel, City of Scottsdale
Alan Hansen, FHWA	Brian Moberly for Nicholas Mascia, City of Surprise
Jeff Herb for Ken-Ichi Maruyama, Town of Gilbert	Jim Decker, City of Tempe
Debbie Albert, City of Glendale	*Arkady Bernshteyn, Valley Metro Rail
Luke Albert, City of Goodyear	

OTHERS PRESENT

Jeff Jenq, City of Mesa	Debra Barker ADOT
Faisal Saleem, Maricopa County	Armand Ciccarelli, PBS&J Inc
Adam Olguin, PBS&J Inc	Harold Keeler, KCS Systems
Bruce Abernethy, KCS Systems	Nolan Hess, TransCore
Lisa Burgess, KHA Inc	Gary Rylander, Jacobs Edwards and Kelcey
Sarath Joshua, MAG	Tom Buick, Morrison-Maierle Inc
Leo Luo, MAG	Kiran Guntupalli, MAG

*Not present

1. Call to Order
Chairman Alan Sanderson called the meeting to order at 10:35 AM.
2. Approval of May 2, 2007 Meeting Minutes and Introductions
Debbie Albert moved, Michael Pacelli seconded and it was unanimously carried to approve the minutes of the May 2, 2007 ITS Committee meeting.
3. Call to Audience
Chairman Alan Sanderson made a call to the audience providing an opportunity to any members of the public to address the ITS Committee. No comments were received from the public.
4. Program Managers Report

Sarath Joshua addressed the following items in his report:

- TSOP status report - Task Orders have been executed for all of the TSOP projects that require consultant services. None of these projects have been completed as yet, but all are proceed ahead smoothly. The Tempe project for purchasing VISSIM is going through the MAG process. A Task Order will be processed shortly for the Corridor Traffic Signal Project in Peoria.
- Mobile Traffic Information Portal project has been completed by the Texas Transportation Institute. The system has been moved to ADOT AZ511 website. The URL is www.az511.com/pda/. A joint announcement from MAG and ADOT is expected to be released in July.
- Status of UPA & ITS-OTMC proposals – MAG has been informed that Urban Partnership Agreement proposal was not successful. The Phoenix region was not selected by the USDOT as one of the nine Urban Partners. As a result, the chances of being awarded an ITS-OTMC grant seems reduced. However, MAG will continue with the ICMS project.
- ITS America Annual Meeting – A presentation on ITS planning for small jurisdictions prepared by Sarath Joshua, Michael Pacelli and Thomas Chlebanowski was presented at the meeting. A project to develop guidelines have been included in the current MAG work program and will shortly result in a consultant project.

5. Update on the I-10 Integrated Corridor Management System (ICMS) Project

Sarath Joshua briefed the committee the progress on the ICMS project. The development of the concept of operations of the project is almost completed. The last project meeting will be held on August 1, 2007 before the ITS committee meeting. The draft final document will be distributed to the committee members for review. Lisa Burgess from Kimley-Horn and Associates added that the earlier project meeting focused on addressing some of the key issues such as financial, institutional operational and technical issues. Comments from committee members are expected by July 20, 2007. Sarath Joshua also mentioned the possibility of utilizing part of the Arterial ITS funding from next TIP cycle.

6. Report on the Regional ITS Communications Plan

Dr. Bruce Abernethy from KCS Systems made a brief presentation on the Regional ITS Communications Plan project. The project started with a review of existing and future communications needs, followed by a bandwidth requirement analysis, and will lead to recommendations on potential techniques and solutions. This communications plan will be helpful to the MAG region in migrating from the current regional network to a recommended network. He also compared SONET, SONET plus ATM and 10 Gigabit Ethernet networks. Although all of them are capable of supporting future ITS communications needs with the appropriate upgrades, Gigabit Ethernet has the greatest advantage over SONET in terms of cost, maintenance, efficiency, provision, flexibility and video broadcasting. In addition, he indicated that the existing SONET system is approaching the end of its life cycle and vendors are reducing their support for SONET equipment. Dr. Bruce Abernethy also pointed out that fiber and conduit consists of about 70 percent of the communications network cost. Migration from SONET to 10 Gigabit Ethernet will only involve the change of the electronic devices. Considering the interface cost, equipment cost, maintenance cost and all other factors, he indicated that 10 Gigabit Ethernet is a clear winner. He also asked for more input from member agencies regarding their current and future ITS communications needs. For the ADOT SONET system, Dr. Abernethy suggested two possible options:

1. Replace all the SONET electronic devices;
2. Build the regional ITS communications network by using 10 Gigabit Ethernet as an overlay network.

He said that the first option is technically sound, but needed institutional support. Faisal Saleem asked if the project will address member agencies' own networks. Bruce Abernethy replied that the project itself will only focus on regional network, but the bandwidth needs analysis will cover each member agency. He also recommended that the region needs to establish ITS communications standards such as interface control document, video format and etc. In terms of video communications, although there are many ways to transform analog video, it is not cost effective to do so due to the additional transition equipment. In addition, digital and IP addressable network provides multi-casting, an important feature and advantage analog system can not provide.

7. ITS in China

Alan Hansen from FHWA provided a brief presentation on ITS developments in China that he observed during a recent visit there. Several electronic signs including one sign with color LEDs showing the congestion level ahead drew some attention.

8. Status Reports by Committee Members on ITS Activities

Debbie Albert briefly explained current activities in Glendale regarding preparations for traffic control strategies for the 2008 Super Bowl.

9. Next Meeting Date

Next meeting date was announced as 10:30 a.m. on Wednesday, August 1, 2007 following the I-10 ICMS project meeting.

10. Adjournment

Chairman Alan Sanderson adjourned the meeting at 11:45 AM