

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

November 7, 2007  
MAG Cholla Room, 2nd Floor  
302 North First Avenue  
Phoenix, Arizona

**MEMBERS ATTENDING**

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

**OTHERS PRESENT**

Debra Bieber Barker, ADOT	Ryan Gish, ADOT
Lydia Warnick, ADOT	Faisal Saleem, MCDOT
Bruce Abernethy, KCS Systems	Harold Keeler, KCS Systems
Mike Klein, ITS Engineers	Adam Olguin, PBS&J Inc
Bo Gao, TransCore	Brian Jakubczak, TransCore
Paul Ward, Olsson Associate	Bob Steele, Olsson Associate
Gary Rylander, Rylander Consulting	Lisa Burgess, KHA Inc
Soyoung Ahn, ASU	Nathan Pryor, MAG
Sarath Joshua, MAG	Audrey Skidmore, MAG
Leo Luo, MAG	Kiran Guntupalli, MAG

\*Not present

1. Call to Order  
Chairman Mike Mah called the meeting to order at 10:05 AM.
2. Approval of October 3, 2007 Meeting Minutes  
Bruce Dressel moved, Jim Decker seconded and it was unanimously carried to approve the minutes of the October 3, 2007 ITS Committee meeting.
3. Call to Audience  
Chairman Mike Mah 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:

- ITS Arizona Annual Conference - MAG presented two projects sponsored by the committee: I-10 ICMS project and the Mobile Traffic Information Portal project.
- Meeting Schedule for 2008 - Most of the meetings will continue to be scheduled on the first Wednesday of each month. The exceptions are in January, March and October.
- Upcoming MAG Projects - Regional ITS Architecture project will be launched soon.

5. Arterial ITS Projects for the FY2013 TIP

Ron Amaya of Peoria and Debbie Albert of Glendale requested that the committee action taken at the October meeting, regarding FY2009 TIP recommendation, be recalled in order to address a modification to two approved projects. In the modified committee recommendation Peoria requested that \$140,000 in federal funding and \$60,000 in local matching funds be added to the Glendale project, to enable a very useful extension of fiber communications into Peoria. These funds would be reflected as cost reductions from the previously approved Peoria project. Ken-Ichi Maruyama moved, Scott Nodes seconded and it was unanimously carried to recall the FY2009 recommended projects by the committee. Ron Amaya moved that the committee recommendation reflect the modified projects, Debbie Albert seconded and it was unanimously carried to approve the modified FY2009 projects recommended for FY2013 TIP.

A review of the funding allocation that was recommended for FY 2013 in last committee meeting appeared to have contained a calculation error that invalidates the balance sought between requests for federal funds and the available amount of \$6,892,000. A revised version of the funding allocation was provided as an attachment to the agenda, and was also distributed to the committee via email for their review. Debbie Albert moved and Bruce Dressel seconded and it was unanimously carried to recall the FY2013 recommended ITS project list and the associated funding allocation by the committee. The revised funding allocation required that some agencies adjust their local match amounts. All member agencies either choose to provide 30% local match to the total cost or retain the previous stated local match amount except for the City of Surprise, who wanted to increase the local match so that the total project amount remain the same. Brian Moberly moved, Ken-Ichi Maruyama seconded and it was unanimously carried to approve the updated FY2013 projects and funding allocation based on the new strategy to be included in the FY2013 TIP.

6. Regional ITS Communications Plan

Bruce Abernethy from KCS Systems delivered a formal presentation on the recommendations that are included in the Regional ITS Communications Plan. David Haines from Kimley-Horn and Associates, representing ADOT, commented that the reference regarding the use of SONET in the MAG region was no longer the case since ADOT had abandoned SONET some time back. In response to a question on documentation on that ADOT decision and material on current FMS communications network, he indicated that ADOT has such documents. He also mentioned that the primary difference between the RCN concept and that presented in the Regional ITS Communications Plan is based mainly on whether or not the active electronics are installed in ADOT node buildings or in a roadside cabinet. The current design of RCN intends to extend the fiber to all local TMCs and put the active electronics in the TMCs. Bruce replied that in terms of security and reliability, the node building alternative is the same as the TMC alternative, rejecting the David's implication that the node building alternative is less secure and less reliable than the other. Bruce also mentioned that if fiber is available, the ITS Communications Plan does recommend double connections to two separate roadside cabinets or nodes. Debra Barker

commented that to install roadside cabinets, separate environmental clearance may be required. In the DCR of RCN, ADOT and Kimley-Horn tried to find locations where fiber was available. Sarath Joshua commented that the ITS Communications Plan intends to be a high level planning document to provide guidance on future development. Jim Decker suggested that the jurisdiction should have the option to follow either alternative. Bruce emphasized that the two alternatives have basically no difference in performance. The main issue is the cost. The double connection to two different fiber nodes is appropriate but costly. The power black out has equal effect on both alternatives. However, the exact locations of nodes are not specified in the Communications Plan since the plan is a high level document. The active electronics could be placed in TMCs if future detail design suggests that as appropriate. Bruce also explained how the jurisdictions can share video over regional network by using MPEG4 protocols. Bruce also mentioned that active electronics usually last 5 to 10 years and Ethernet technology has always been upward compatible. Brian Jakubczak from TransCore mentioned that some of the locations of RCN hubs are not precise and he will provide information to MAG and Bruce. Sarath asked the committee members to provide comments on the ITS Communications Plan. Jim suggested having a Video Communications Forum in the region to provide ADOT and other agencies further information. Both Bruce and Sarath supported the idea. Sarath also reminded the committee the purpose and background of the Regional ITS Communications Plan project.

7. Status Reports by Committee Members on ITS Activities

Scott Nodes briefed the committee the travel time display pilot project on ADOT DMS. Evaluation of the project will also be included.

8. Next Meeting Date

Next meeting date was announced at 10:00 a.m. on Wednesday, December 5, 2007.

9. Adjournment

Chairman Mike Mah adjourned the meeting at 11:35 AM.