

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

January 5, 2005
MAG Cholla Room, 2nd Floor
302 North First Avenue
Phoenix, Arizona

MEMBERS ATTENDING

Debbie Burdette for Jim Book, City of
Glendale
Alan Sanderson, City of Mesa
Mike Mah, City of Chandler
*Bruce Ward, Town of Gilbert
*Nicolaas Swart, Maricopa County
Bob Steele, City of Phoenix
Bob Ciotti, RPTA
*Iven Wooten, DPS
Nick Mascia, City of Surprise
*Carrol Reynolds, Town of Buckeye

Bruce Dressel, City of Scottsdale
Jim Decker, City of Tempe
Tim Wolfe, ADOT
Ron Amaya, City of Peoria
Scott Nodes, City of Goodyear
Mary Kihl, ASU
Alan Hansen, FHWA
*Dennis Murphy, Phoenix Aviation
Michael Smith, City of Avondale

OTHERS PRESENT

Debra Barker, ADOT
Terry Wilson, Sensor Technologies &
Systems
Hugh Malone
Brain Moberly, City of Peoria

Sarath Joshua, MAG
Kiran Guntupalli, MAG

*Not present or represented by proxy

1. Call to Order
Acting Chairman Alan Sanderson called the meeting to order at 10:02 AM.
2. Approval of December 1, 2004 Meeting Minutes & Introductions
Bruce Dressel moved and Ron Amaya seconded, and it was unanimously carried to approve the minutes of the December 1, 2004 ITS Committee meeting.
3. Call to Audience
Acting Chairman Alan Sanderson made a call to the audience providing an opportunity to members of the public to address the ITS Committee. Hugh Malone from Sensor Technology & Systems talked about radar technology of vehicle detection and the possibility of reducing intersection delay through such applications. Mr. Malone said the cost of the system would range depending on range of radar to be used for vehicle detection. After a short discussion members agreed to include this as an agenda item at a future meeting.

4. Program Managers Report

The following is a summary of Program Manager's report:

- TIP Results
 - On December 16th 2004, Transportation Review Committee recommended approval of inflated costs ITS for an additional \$1.7m for FY 2008–FY 2010 resulting in a total of \$ 9.2 million
 - With this new funding scenario, ITS projects that ranked through #18 will be programmed
- Upcoming projects to be launched during 2005
 - ITS Architecture Update – a project already funded through the current MAG work program
 - Renewal of ITS On-Call contract in August-September 2005. The current ITS on-call contracts expire around the same time. An RFQ for renewal is expected to be released in March 2005
- TSOP Update
 - Except for 2 Goodyear projects all the other projects have been completed. Scott Nodes added that they are planning on putting timing plans for signals by the end of January, and this would complete the work of Consultants. City of Goodyear staff will evaluate traffic signal timing improvements for next 3 months after the timing plans are implemented.
- New Projects for MAG FY2006 Unified Work Program
 - TSOP – \$500,000
 - Integrated Corridor Management System - Sarath Joshua referred to goals in the Regional Concept of Traffic Operations that aimed to implement one(1) integrated corridor in the first three years and three (3) corridors over next 5-year period. After a short discussion committee has decided to go ahead with the recommendation without identifying a specific corridor along which the ICMS will be implemented. The corridors that came into consideration were: US 60, Loop 101, I-10 and I-17. Sarath Joshua also added that this project aligns well with the new goals of ITS America and USDOT. The members agreed to have this project included in the MAG Work Program
 - Emergency Transportation Operations - Sarath Joshua explained that this project would involve managing the transportation operations under emergency conditions when a part of the system goes down because of a natural disaster and added that some work has already been done on emergency evacuations etc. however, there is no existing transportation plan for potential regional emergencies. Tim Wolfe added that the term Emergency Transportation Operations needed to be re-considered and defined properly as people may get confused with Emergency Operations done by Public Safety department.
 - Sarath Joshua requested committee members to forward any project ideas of regional significance to be included in Work Program and reminded that these funds cannot be used to buy equipment but can be used to perform studies like Strategic Plans, etc. He requested members to forward any ideas by Friday January 7th.
- Regional Concept of Transportation Operation Action Kit
 - An Action Kit was developed for USDOT based on RCTO project.
 - It will be discussed at Feb/March ITE Technical Conference in Las Vegas.
- PeMS & INSIGHT

- This presentation by Siemens was scheduled for Jan 28th but has been postponed,
- Other Activities
 - A new Public Safety Communication Advisory Commission (PSCC) has been formed –Director Curt Knight.
 - PSCC prime responsibility: design, establish and implement statewide radio interoperability telecommunication system.
 - ITS America has called for entries for Best of ITS Awards. Committee approval was requested for submitting the RCTO project for the Best Public Sector Partnership Award – the Committee agreed.
 - Sarath Joshua also informed members that the ITS World Congress meeting to be held in November 2005 in San Francisco has called for papers and deadline for this Friday, January 14th 2005. He encouraged member agencies to submit papers on local ITS accomplishments.

5. Freeway Management System Update

Tim Wolfe distributed a handout on the proposed phasing for expanding the Freeway Management System. He said that the FMS program is in 5 year blocks of time and explained current and future activities. Scott Nodes asked about correct location and alignment of future work. Sarath Joshua told that he had a map representing exact crossing locations and told that he would forward the map to all the members requesting it.

Tim Wolfe said that with 60 mph speed of vehicles and frequency at which ADOT collects the data they need a detector every 1/3rd of a mile to detect any incidents. But with incident detection information coming via 911 calls the TOC hears about incidents the same time the computer reports the incident. He also added that when a review of detectors was done on current FMS, only 66% of detectors were found to be working and they had a tough time reaching 85%. For implementing various algorithms ADOT acquired them to work at 95%. He also told that ADOT had its Guidelines rewritten and data is collected every mile and no more than a mile. He further stated that although detectors were placed every 1/3rd of mile by going to one-mile spacing would reduce the cost approximately \$40,000 to \$50,000 per mile from eliminated controllers and fiber optic connections. In response to a question from Jim Decker if new loops will be cut for new detectors, Tim Wolfe answered that if new detectors are needed they don't cut loops anymore but use non-intrusive technology like Passive Acoustic Detectors (PADS). He also stated that ADOT planners required traffic volume counts at mid-segment locations. They do not consider volumes on auxiliary lanes hence the counts are done just upstream of the on ramp plus the traffic on the on-ramp to yield ADT counts at a cross section. Tim Wolfe announced that ADOT will decommission the locations where the detectors are not working to remove the black spots on map and convert 1/3rd mile segments to 1 mile segments on the color coded speed map shown on the internet. Sarath Joshua asked if the map Tim Wolfe handed out is the map showing expanded FMS with reduced cost taken into account as segment lengths are increased to 1mile from 1/3rd of mile.

Tim Wolfe said they were going to meet to discuss that issue and will report results. Sarath Joshua showed the full freeway map including future new segments included in the RTP.

6. Outline of Regional ITS Architecture Project

Sarath Joshua said that he was unable to prepare for this item and requested that this item be

tabled for the next meeting. Chair and Committee agreed.

7. Status Reports by Committee Members

Alan Hansen of FHWA announced a planned pilot course on ITS and Safety. The dates for the course were announced as February 23rd and 24th. He requested members to contact him if they are interested in the course. Debbie Burdette from Glendale reported that they were finishing installation of 2 miles of fiber optic cable in arena area and now have 6 more intersections on-line visible at the TMC.

8. Next Meeting Dates

Next meeting date was announced as 10:00 AM on Wednesday, February 2, 2005.

9. Adjournment

Acting Chairman Alan Sanderson adjourned the meeting at 11:10 AM