

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

December 1, 2004
MAG Cholla Room, 2nd Floor
302 North First Avenue
Phoenix, Arizona

MEMBERS ATTENDING

Jim Book, City of Glendale	*Bruce Dressel, City of Scottsdale
Alan Sanderson, City of Mesa	Christine Warren for Jim Decker, City of Tempe
Mike Mah, City of Chandler	Pankaj Gupte for Tim Wolfe, ADOT
*Bruce Ward, Town of Gilbert	Ron Amaya, City of Peoria
*Nicolaas Swart, Maricopa County	*Scott Nodes, City of Goodyear
*Bob Steele, City of Phoenix	Mary Kihl, ASU
Bob Ciotti, RPTA	*Alan Hansen, FHWA
Iven Wooten, DPS	*Dennis Murphy, Phoenix Aviation
Nick Mascia, City of Surprise	Michael Smith, City of Avondale
*Carrol Reynolds, Town of Buckeye	

OTHERS PRESENT

Mike Nevarez, Phoenix Transit	Debbie Burdette, City of Glendale
Faisal Saleem, Maricopa County	Christine Warren, City of Tempe
Anne MacCracken, Valley Metro	Kiran Guntupalli, MAG
Keith Winney, Transcore	Sarath Joshua, MAG
Pankaj Gupte, ADOT	

* Not present or represented by proxy

1. Call to Order
Acting Chairman Alan Sanderson called the meeting to order at 10:01 AM.
2. Approval of November 3, 2004 Meeting Minutes & Introductions
Mike Smith moved and Iven Wooten seconded, and it was unanimously carried to approve the amended minutes of the November 3, 2004 ITS Committee meeting.
3. Call to Audience
Chairman Jim Book made a call to the audience providing an opportunity to members of the public to address the ITS Committee. No comments were received from the public.

4. Program Managers Report

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

- TIP Process Schedule: TIP recommendations generated by the committee today will be considered by TRC on December 16th.
- 2005 meeting schedule: Committee meetings will continue to be held on the first Wednesday of each month with the exception of May 2005 when it will be held on the second Wednesday due to the conflict with ITS America Annual Meeting in Phoenix
- Upcoming ITS projects
 - ITS Architecture Update
 - Renewal of ITS On-Call contract RFQ in August
 - Second round of TSOP projects – possibly at \$500,000
- MAG Unified Work Program – members were requested for ideas for ITS projects of a regional nature
- AMPO Fall Newsletter was passed around. It included a full length article on the MAG Regional Concept of Transportation Operations

5. ITS Projects for FY 2008-2010 TIP

Sarath Joshua distributed hard copies of the full project list ranked at the November 3rd meeting. He informed the committee that a few more projects could be added to the list of recommended projects because of additional \$1.7million available for ITS. Chairman Jim Book on behalf of Committee thanked Paul Ward for pointing out the additional \$1.7million for ITS projects due to inflated cost figures as was used for all other modes. Mike Mah from Chandler asked if all projects are at least 30% local funded? Chair replying in the affirmative said that a few projects are even funded above 30%. Chair suggested that a likely increase in ITS funding by \$1.7 million means the committee could just go down the ranked list of projects and select more projects. Alan Sanderson pointed out that two projects are locked at #18 and with \$245,000 available. He asked how would this money be allocated? Which project would be selected? Or partial funding both projects with increased local share?. Chair asked Ron Amaya from Peoria to comment on their project ranked at #18. Ron Amaya replied their project was for ITS equipment upgrade. Nick Mascia from city of Surprise suggested that their project overlaps with Maricopa County's MMA1 project hence they could reduce their request of funding \$150,000, which resulted in a total of \$395,000 dollars for the next project. Alan Sanderson suggested he would support the Chandler project since it was for upgrading the TMC. Mike Mah agreed that they would increase their share to 60% fund the shortage. Alan Sanderson entered a motion to recommend including the Chandler project in the TIP for 2006-2010 and Mike Mah seconded it and the motion was passed unanimously. Sarath summarized the discussion as City of Surprise reduced their share of federal funding on SUR2 from \$300,000 to \$150,000. With this change the list of Projects recommended would go all the way down to 1st project ranked 18 in the list CHN5.

6. Regional Concept of Transportation Operations Status Review & System Performance

Sarath Joshua stated that this item was on the agenda to keep the committee briefed on the progress of implementing the Concept of Operations. February 2004 was the last time when the committee was last briefed on this subject. Chair called on Mike Mah to brief on Regional Traffic Engineering Collaboration.

Mike Mah referred to earlier discussion during the Program Manager's report regarding Traffic Signal Optimization Program. He said that when Regional Concept of Operations was developed one of the major objectives was to develop Signal Optimization program within cities and across jurisdictions and also to develop a Regional Traffic Signal Map to share information on the signal systems. He said that the \$300,000 from MAG helped most of the cities in working towards these objectives. He suggested that a map with regional traffic signal data be developed to help the cities share the status of signals in neighboring cities and this in turn would help in identifying projects that are helpful from a regional perspective. Sarath Joshua said that this signal status information is a moving target and asked the members how we could keep track of changes in the system, whether to have it at city level where in a city could login and modify their information or have a centralized system and have a consultant do it. Faisal Saleem said that the County has baseline data information on travel times. County has developed this system via emails sent every month to collect information and for updates. Mike Mah said the signal timing plans are not subjected to change very frequently and their policy is to have a look at signal timing plans once every three years and it's difficult to keep that up with. David Wolfson said that he is working on the RADS project with City of Chandler using a feature in Synchro software for archiving. Once the system is ready it can be implemented elsewhere in the region. Alan Sanderson agreed that signal timing plans are not subject to frequent changes unless there are some unusual changes in the development of the region. Sarath Joshua summarized the discussion saying that it was agreed a consultant could be hired to collect this information based on the system that Faisal is working on and also with inputs from RADS project to collect this information without having each city doing maintenance work. Jim Book said that an action step would be to bring a consultant on board. Sarath Joshua said that he would work on it and let committee know the feasibility of developing this system based on financial resources available.

Pankaj Gupte representing Tim Wolfe from ADOT requested permission from Chair to present the status of Freeway Incident Management at the next RCTO update. Chair and Committee agreed.

Faisal Saleem representing Maricopa County reported on Arterial Incident Management. He distributed handouts and explained the details of the REACT system. The handout included number of callouts split by city, yearly incident duration times, average REACT responses per month, number of REACT call outs per year. Sarath Joshua asked about status of Extraction of CAD information to Local TMC's. Faisal Saleem told that as a part of AZTech grant focus area 3 ADOT is working with DPS on a pilot project where they will be extracting Traffic information from CAD system. Pankaj Gupte again requested permission to report on Shared Maintenance and Resources in next meeting.

Bruce Dressel was not present at meeting to report on Freeway Arterial Operations.

Jan Siedler and Jim Decker were not present to report on status about Emergency Vehicle Preemption. Christine Warren represented Jim Decker from City of Tempe and requested permission to report status at next RCTO update.

Bob Ciotti said Jim Decker from City of Tempe would be providing an update on it at the next RCTO update. Pankaj Gupte updating on status Center to Center Communications told that DCR RCN project carried out by Kimley Horn would be submitting a final document at next AZTech meeting. ADOT has done a cost negotiation with Kimley Horn and this project would go in for design review. ADOT will be doing a separate project for East Valley Cities. Faisal Saleem said that as a part of Focus Area 1 of AZTech they hosted 3 meetings: one in East Valley, one in West Valley and one at ADOT. On December 2, 2004, AZTech will be holding a combined workshop. Faisal Saleem said that the consultant has also looked at a few Center-to-Center systems at National level.

David Wolfson from MCDOT updated the committee on the Regional Archived Data Server (RADS). He stated that data archiving project is more than 50 percent complete and would have a substantial amount of project funds from the original \$470K remaining for further work on RADS. He said that MAG being a regional agency is the best suited for hosting, managing and administering the RADS system after its development. In the next few months that consultant has assured that things will be visible outside ADOT's firewall. Here are some things that the project is currently doing:

- Archiving ADOT freeway data and this data will be used for real-time travel time estimation. Developing aggregators and interfaces for historical statistical use of this data
- Preprocessing the data and this helps provide data for various other studies and for operations applications
- Developing prototype for distributed data source integration for arterial data
- Prototyping this system with City of Chandler
- Developing Center-to-Center layer recognizing those issues integrated with Center-to-Center Communication
- Developing Plug-in and Turnkey methods so that other centers can join this system using generally available protocols

Mike Mah asked what kind of information is being achieved? David Wolfson replied that detector data from freeways are currently being archived. He said they have a common interface to HCRS. David Wolfson told the they are working on data from Autoscoptes in city of Chandler. He said that they are using batch mode to archive data from remote location like chandler where in they have to push the data to regional archive. Ron Amaya asked if this could be the system that other cities could use. David Wolfson agreed.

Tim Wolfe's update on Local TMC and TOC operators was tabled for the next RCTO update.

Faisal Saleem reported on Travel Information Systems. A summary of RCTO goals highlighted ATIS achievements and Future ATIS initiatives. The handout also summarized usage of data. He told that ADOT has made some significant improvements to their system and the information is now available by cities, sub regions. He reported that at the County email alerts are sent to City of Phoenix as non-recurring activities. Jim Book told it is good opportunity to advertise seeing number of hits on www.az511.com site. He also asked about HCRS entries and Faisal Saleem clarified saying the incident like closure and things like that. Sarath Joshua asked how many cities are providing this information. Faisal Saleem replied saying about 6 cities. Faisal Saleem talked about future initiatives and he said that

they developed architecture for Travel Information and said that the committee would be working on that to provide it on the web. He said there is also plan for AZTech phase IV Travel information where they will be working with Skyharbor Airport to provide travel information at the new rental car facility. There is also a plan for PIR. He also mentioned that some of cities have their own systems and operators don't want to integrated for integration issues . He asked Sarath Joshua if MAG can fund a study to estimate the cost to light up VMS signs. Jim Book added saying that operating the VMS part of day would reduce the cost. Mike Mah asked if all pixels of the board has to lit up to display. Faisal Saleem replied saying that the study was specific to travel time information. Jim Book asked if details of cost estimated could be provided to committee members. Faisal Saleem asked Pankaj to take this to Tim Wolfe at ADOT.

Sarath Joshua reported on Performance Measurement. He said that MAG is currently working of establishing the baseline information data from 2003 Travel Time Study done by MAG. Kiran Guntupalli to explained a map showing I-10 travel times. Sarath Joshua also added that they would be doing similar exercise for all other freeways and 4 N-S arterials and 5 E-W arterials as per RCTO. Kiran Guntupalli told that the data being used 2003 base line data and that it's too much of data to be represented on a single map and asked committee view on how to represent that. Sarath Joshua explained how the I-10 being segmented and explained the map in detail. Faisal Saleem told that travel time be shown along with time when data was collected. Alan Sanderson told that number of Vehicle also be present somewhere. Sarath Joshua told that the goal of this work is to compare the percentage rise in travel time to percentage rise in volume. Mike Mah asked how this travel time was calculated and Sarath Joshua explained that this was based on a comprehensive travel time study done by MAG with GPS equipped vehicles using multiple runs. Concluding this discussion Sarath Joshua requested any ideas from members to be forwarded to him or to Kiran Guntupalli.

7. Status Reports by Committee Members

Due to the length of the meeting the call for status reports was skipped.

8. Next Meeting Dates

Next meeting date was announced as 10:00 AM on Wednesday January 5, 2005.

9. Adjournment

Chairman Jim Book adjourned the meeting at 11:40 AM