

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

January 7, 2015

MAG Ironwood Room, 2nd Floor
302 North First Avenue
Phoenix, Arizona

MEMBERS ATTENDING

Reza Karimvand, ADOT	Luke Albert, City of Goodyear
* Yingyan Lou, ASU	Nicolaas Swart, Maricopa County
# Chris Hamilton, City of Avondale	# Avery Rhodes, City of Mesa
# Chris Lemka, City of Buckeye	# Ron Amaya, City of Peoria
Mike Mah, City of Chandler	Marshall Riegel, City of Phoenix
Captain Burley Copeland, DPS	# Steve Ramsey, City of Scottsdale
Bryce Christo, City of El Mirage	Albert Garcia, City of Surprise
Toni Whitfield, FHWA	Catherine Hollow, City of Tempe
Leslie Bubke, Town of Gilbert	Amanda Luecker, Valley Metro
# Allan Galicia, for Debbie Albert, City of Glendale	

OTHERS PRESENT

# Faisal Saleem, MCDOT	Dan Hartig, Ayres
Jason Tyre, Phoenix PD	Scott Kelly, AMEC
LeShawn Charlton, MCDOT	Arnab Gupta, PB
Ron Pace, Valley Metro	Corey Steele, Strand
Jeff Jenq, OZ Engineering	Matt Yentz, Strand
Dave Chambers, TransCore	Margaret Boone, MAG
Lisa Burgess, Kimley-Horn	Ryan Gish, MAG
Anita Johari, ASJ Engineering	Micah Henry, MAG
Don Wiltshire, YSMA	Sarath Joshua, MAG
Suzy Chambers, Dibble	Eric Nava, MAG

- * Not present or represented by proxy
- # Participated by teleconference
- + Participated by videoconference

1. Call to Order
Chair Catherine Hollow called the meeting to order at 10:30 a.m.

2. Approval of the December 3, 2014 Meeting Minutes
Chair Hollow requested approval of the meeting minutes from the December 3rd ITS Committee meeting. Nicolaas Swart from MCDOT requested a correction to Item 7 for the job position title. **Reza Karimvand from ADOT moved, Bryce Christo from El Mirage seconded and it was unanimously carried to approve the minutes of the meeting held on December 3, 2014.**

3. Call to Audience
Chair Hollow 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

Chair Hollow invited Sarath Joshua from MAG to present the Program Manager's Report. Mr. Joshua addressed the following items in his report:

➤ Current Status of TSOP Projects:

A total of 11 TSOP projects, seven have been completed, four projects are underway. The two ICM projects on I-10 in Phoenix are scheduled to be completed by March 2015. The two ICM projects on US-60 in Tempe are scheduled to be completed by January 2015. The FY2015 TSOP project list was recommended for approval by TRC and Management Committee, and approved by the Regional Council on December 3rd. There are 11 projects for a total cost of \$303,000. Task orders will be developed in January and February 2015. Projects will be initiated in February and completed by June 2015. The Synchro training workshop is scheduled for April with the dates to be finalized.

➤ Status Report on the Regional Community Network (RCN)

Sarath Joshua requested that Ryan Gish from MAG provide an update on the latest RCN developments. Mr. Gish detailed the joint MAG TAG meeting with the ITS Committee to approve the RCN no-cost Addition for law enforcement video. MAG and the City of Glendale established a fiber link to the Glendale Regional Public Safety Training Center (GRPSTC), providing an extra path for the 911 dispatch center and support future sharing of the law enforcement video. MAG staff is working with local agencies to establish video sharing via the Luxriot software.

➤ National Center for Excellence

The committee was briefed on the new National Operations Center of Excellence and the appointment of Dennis Motiani, formerly with New Jersey DOT, to the position of Executive Director. He indicated that the establishment of this center is a clear reflection of the shift in focus to operations at the national level. The ribbon-cutting ceremony for the Center will be held during the upcoming TRB. The Center will also be hosting various training modules. Reza Karimvand with ADOT highlighted the Center's focus to provide agencies with a centralized and comprehensive set of resources for TSM&O specialists, making this information available to state and local jurisdictions.

5. Systems Management & Operations Plan

Chair Hollow invited Sarath Joshua with MAG to present on the development of the Systems Management and Operations (SM&O) Plan. This was first identified by the ITS Committee during approval of funds for FMS expansion. The study has been endorsed by both Transportation Review Committee and Management Committee. The draft scope of work was distributed with the meeting items. A MAG study for approximately \$300,000 to develop this plan is proposed in the Draft FY2016 Work Program.

The draft scope of work is currently being developed. MAG is seeking input on the development of the scope from member agencies. The plan will address the entire roadway system, including both freeways and arterials. The plan will address funding, planning and operating of key transportation facilities. It will also guide future regional

investments in SM&O, a departure from the past focus on ITS infrastructure. The plan will be performance-based and linked to regional priorities, including input and review by Transportation Review Committee, Management Committee and Regional Council.

The draft scope of work introduces the concept of a two-tiered hierarchy of road facilities for SM&O focus. The first tier includes all freeways plus adjacent arterials that serve as feeder routes and detour routes during emergencies and periods of heavy traffic congestion. The second tier includes the Strategic Arterial Road (StAR) Network, principal arterials that provide connectivity and critical access to key destinations beyond the reach of freeways. This study will develop criteria to define and identify components of the tiers. Following regional endorsement the results will help determine how resources are allocated.

The SM&O Plan objectives are included in the draft scope. The plan will identify best urban SM&O practices (both nationally and internationally), identify supporting institutional framework, review current FMS operations, compare current operations with best practices, define 2038 Regional Concept of SM&O (aligning the effort with the RTP update), recommend a path forward for the next 20 years (with incremental 5-year phases), identify the process for data collection, identify the process for performance measurement and reporting, and develop a framework for inter-agency oversight and annual performance review.

The schedule for the development of the SM&O Plan includes ITS Committee review (January 2015), finalize scope of work (February 2015), presentation to TRC (March 2015), approval of MAG Work Program (June 2015), issue RFP (July 2015), consultant selection process (August to September 2015), MAG approval of consultant (October to December 2015), project kick-off (January 2016), project completion (June 2017), and adoption of plan by MAG (September 2018).

Chair Hollow inquired about the funding requirements for local agencies. The SM&O Plan will establish regional priorities, identifying primary facilities. The plan will identify the necessary resources and then prioritize the regional funding. He highlighted the fact that the current arterial ITS funding will be exhausted following the programming of FY2018 in the next TIP call for projects. This plan will help the region to identify the needs and the systematic way to invest in both infrastructure and operations.

Co-chair Riegel with Phoenix inquired on the correlation with future propositions for transportation taxes. With the plan's horizon year of 2038, it is anticipated that the plan will feature significantly for future revenues. Reza Karimvand with ADOT stated that ADOT is currently developing an internal Transportation Systems Management and Operations (TSM&O) Plan. It may be necessary for local agencies to adopt the MAG plan to establish this link to the individual TSM&O plans. These facilities will receive support from the regional level due to the significance and impact beyond local agencies' borders.

Mike Mah with Chandler stated that the focus is on operations, specifically staffing to perform the tasks associated with operations. The funding for additional staff might be regional funding. Currently regional funding cannot be used for staffing, but future funding could remove those restrictions so that investments can be made not only in

infrastructure and equipment, but human resources as well. There is the potential for unifying transportation operations into a single authority or a centrally-located operations centers; this study will explore that and other best practices. Faisal Saleem with MCDOT identified the potential role in future operations due to Connected and Autonomous Vehicles. Sarath pointed out that the scope includes addressing V2V and V2I technologies in the future.

The scope is currently in draft form. MAG staff is soliciting comments on the distributed draft due by January 30th. A small working group will be formed to finalize the scope by the end of February.

6. Developing Traffic Management Response Plans for Freeway Closures

Chair Hollow invited Eric Nava with MAG to present on the project involving the development of traffic management response plans for freeway closures. The Tempe ICM projects are anticipated to be concluded at the end of January and the Phoenix ICM projects at the end of March. At the next ITS Committee meeting the results will be presented.

The Phoenix project involves 4 separate scenarios for freeway closures due to unplanned incidents. These scenarios will be simulated and analyzed for both the AM and PM peak periods. The project identifies 3 strategies diverting traffic along the adjacent roadway network, as far north as Indian School Road and as far south as Buckeye Road. Mr. Nava has completed one of the scenarios. For the Tempe project the study team has completed the AM signal strategies. The experience has identified Southern Avenue and Baseline Road as alternative corridors for diverted traffic off of US-60. The modeling effort indicated that Broadway Road would also be used by the traveling public as an alternative corridor, due to the unique geometry of the Broadway Curve at I-10. The Tempe signal strategies now include Broadway as well. Mr. Nava will update the ITS Committee next month of the results of the modeling effort.

7. Reports by Committee Members

Chair Hollow called on members to report items of interest to the committee. Toni Whitfield with FHWA identified two white papers being developed by the agency regarding the Capability Maturity Model. Both papers are currently in the review process. She indicated that the final papers can be a reference in the future the MAG SM&O Plan. Reza Karimvand with ADOT announced a paper approved by TRB for presentation during a poster session, on wrong-way detection, at the TRB conference. He also mentioned that ADOT is also currently removing and replacing all Passive Acoustic Detectors (PADs) with loop detection. The agency is exploring alternatives for this effort with a selected consultant.

8. Request for Future Agenda Items

Chair Hollow called on members to request future agenda items. Marshall Riegel identified Eric Nava's presentation on signal strategies for freeway closures. Reza Karimvand with ADOT mentioned the potential to present on the upgrade of the agencies communications system. Mr. Karimvand will update the Chair.

9. Next Meeting Date and Place

Next meeting date was announced at 10:00 a.m. on Wednesday, February 4, 2015, in the Ironwood Room (2nd floor) at MAG.

10. Adjournment

Chair Catherine Hollow adjourned the meeting at 11:25 a.m.