

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

June 1, 2016

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

MEMBERS ATTENDING

# Reza Karimvand, ADOT	Faisal Saleem for Nicolaas Swart, Maricopa County
# Yingyan Lou, ASU Chris Hamilton, City of Avondale Tammy Valadez Paz, City of Buckeye Mike Mah, City of Chandler	# Tricia Boyer for Avery Rhodes, City of Mesa Steve McKenzie, City of Peoria Marshall Riegel, City of Phoenix Reginald Fitzpatrick, City of Scottsdale Albert Garcia, City of Surprise
* Sergeant John Paul Cartier, DPS Bryce Christo, City of El Mirage	# David Lucas, City of Tempe
* Toni Whitfield, FHWA	# Suresh Shrivavle for Abhishek Dayal, Valley Metro
# Leslie Bubke, Town of Gilbert	
# Allan Galicia for Debbie Albert, City of Glendale Luke Albert, City of Goodyear	

OTHERS PRESENT

Khamchanh Ratsavong, City of Scottsdale Farzana Yasmin, ADOT Dan Hartig, Ayres Lisa Burgess, Kimley-Horn Tom McCullough, Kimley-Horn Jeff Jenq, OZ Engineering Skye Gentile, Parsons Sandy Thoms, Jacobs	Arnab Gupta, AECOM Natalie Carrick, Michael Baker Scott Kelley, Amec Foster Wheeler Terry Conner, Gannett Fleming Cory Steele, Strand Margaret Boone, MAG Ryan Gish, MAG Eric Nava, MAG
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\* Not present or represented by proxy  
# Participated by teleconference  
+ Participated by videoconference

1. Call to Order  
Chair Marshall Riegel called the meeting to order at 10:00 a.m.
2. Approval of the May 4, 2016 ITS Committee Meeting Minutes  
Chair Riegel requested approval of the meeting minutes from the May 4<sup>th</sup> ITS Committee meeting. Chair Riegel requested a notation to the minutes provided for Agenda Item 6 (Developing a More Strategic Approach to Improving Traffic Signal Operations Region-wide) in that he commented on the importance of the region collecting the same performance metrics which could be used to change and improve operations. **Chair Marshall Riegel from City of Phoenix moved, Albert Garcia from City of Surprise seconded, and it was unanimously carried to approve the minutes of the meeting held on May 4, 2016 with the changes as noted by Chair Riegel.**

3. Call to Audience

Chair Riegel 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 Riegel invited Margaret Boone, proxy for Sarath Joshua, from MAG to present the Program Manager's Report. Ms. Boone addressed the following items in the report:

➤ Status of Traffic Signal Optimization Program Projects:

The task order for the final project for the I-10 ICM Final Phase is currently underway by Lee Engineering. It is anticipated to be completed by the end of July. For FY2016 TSOP projects, seven (7) projects, including the Before and After Evaluation, are underway. Implementation has been completed and reviews of draft final reports are underway. The projects are anticipated to be completed by June 30<sup>th</sup>.

➤ Synchro Training

The Synchro Training Workshop is scheduled for Wednesday, July 13<sup>th</sup> through Friday, July 15<sup>th</sup> from 8:30 AM to 5:00 PM at the MCDOT Training Facility. The address is 2919 W. Durango at the South Traffic Operations Building. Invitations will be sent out next week.

➤ Systems Management and Operations (SM&O) Plan

The development of the Systems Management & Operations (SM&O) Plan project is on-going. The consultant selected for the project was approved by the Regional Council Executive Committee. Working with the consultant Kimley-Horn & Associates, the next steps include finalizing the scope of work, developing the detailed schedule for work plan tasks, establishing the panel of experts and the Technical Advisory Group (TAG), and finalizing the contract. The project kick-off is anticipated in August 2016.

The key tasks for the study include:

- Task 1 – Best practices review for urban TSMO at 10 locations, including identifying institutional framework, business models, SM&O tools, performance measurement and data, and technology investment decisions.
- Task 2 – Review current and near-term (five years) ITS infrastructure and SM&O practices.
- Task 3 – Develop the long-term (2030) vision and concept of SM&O.
- Task 4 – Establish regional priorities for SM&O investments, including criteria for facility hierarchy and an initial list of prioritized facilities. This will identify ICM corridors and others of significance to the regional economy.
- Task 5 – Develop initial SM&O Implementation Plan and Programming Process. This will be an approach for allocating regional resources driven by established regional priorities.
- Task 6 – Collect data for performance measurements and reporting, incorporating the MAG Performance Measurement dashboard. This regional data collection strategy will be built into the new SM&O infrastructure.
- Task 7 – Create the framework for the MAG annual SM&O performance

review using field data to model safety, efficiency, and reliability.

- Task 8 – Draft the Final Report for the MAG SM&O Plan for FY2021-2030.

5. Regional Community Network Report

Chair Riegel invited Ryan Gish with MAG to provide this report. He reported on the latest RCN developments. There are upcoming core switch upgrades for the three main core switches: ADOT TOC, Phoenix Calvin Goode, and Sky Harbor Rental Car Center. The upgrade will improve capacity from 10G to 40G as well as updating the firmware, and is anticipated in two months with minimized down time. There are upcoming West Valley links and repairs scheduled, including the link between City of Glendale and City of Peoria, and the link between City of Glendale and City of Phoenix at the Calvin Goode building. Both links have been repaired. MAG staff is coordinating with City of Avondale and City of Goodyear for preparation for the RCN connections. A meeting with City of Goodyear staff is scheduled for next week to discuss the connection as well as the connectivity to the 911 Dispatch Center. The video management software Luxriot is now being used by 12 MAG agencies using it for Pan-Tilt-Zoom (PTZ) cameras as well as video detection streams. The newest version is expected in July. Beta testing has been on-going. Maricopa region 911 has requested additional bandwidth between Mesa PD and Phoenix Fire locations to increase to 1G. Chair Riegel inquired on the planned distribution of the video management software upgrade. The licensing distributions have been modified since the previous version and MAG staff is developing the plan for the updates. This change is significant and options are being explored.

6. Requested Scope Changes to FY 2017 City of Surprise Project

Chair Riegel invited Albert Garcia with City of Surprise to discuss the requested scope changes to the FY 2017 City of Surprise project. The ITS project in City of Surprise shows the current scope as: (a) installation of a fiber-optic backbone on Reems Road, from Peoria Avenue to Waddell Road, and (b) the installation of two dynamic message signs (DMS). An amount of \$804,851 in federal CMAQ funds has been approved for the project. The City has requested a scope change that would delete the two DMS and associated structures from the scope and modify the project limits to extend the fiber optic backbone to the north to Mountain View Boulevard, connecting with the Bell Road trunk line. This expansion extends the project limits by 3.6 miles. This would not require any change to the amount of approved federal funds. The City has recognized that this requested change in scope to extend the fiber optic backbone, in place of two DMSs, would best serve their objectives.

Chair Riegel inquired on the connectivity between the fiber installations, including the devices involved in the expansion. The fiber will provide interconnect to existing signals, as well as with existing east-west trunk lines to provide redundancy. The regional implications of the project include a potential “last mile” connection to the existing MCDOT fiber on Reems Road/Meeker Boulevard north of Grand Avenue. This would benefit the regional connectivity. Devices connected would include controllers, CCTV cameras, and detection data.

Margaret Boone with MAG indicated that the change is administrative in nature and will result in a change in TIP listing. The changes would be reflected on the project location, the length, and the notes detailed on the requested change.

The item is on the agenda for action to recommend the requested changes to the scope of work for the ITS project SUR17-401 and continue through the MAG approval process for the TIP amendment.

Committee action was requested to recommend approval of the changes to the scope of work for the ITS project SUR17-401. **Faisal Saleem from MCDOT moved, Steve McKenzie from City of Peoria seconded, and it was unanimously carried that the MAG Intelligent Transportation Systems Committee recommended approval of the changes to the scope of work for the ITS project SUR17-401 in City of Surprise for installation of ITS infrastructure.**

7. Reports by Committee Members

Chair Riegel called on members to report items of interest to the committee. Leslie Bubke with Town of Gilbert stated that agency has begun work on the 7-mile interconnect project in the northwest part of town. She also thanked Ryan Gish with MAG for assisting in the upgrade to the video distribution system for the Town's CCTV system. Albert Garcia with City of Surprise provided an update on the Bell Road/Grand Avenue project. Construction efforts are on-going and traffic circulating. City of Surprise has not received any negative feedback from the public, including residents, motorists, and businesses. The contract schedule indicates that Bell Road will reopen late November, with the project completion in Spring 2017. Chair Riegel stated that City of Phoenix has a current fiber optic project involving a contractor modification to fiber connection points that results in cost savings to the project. The device will be showcased on June 8<sup>th</sup> and attendance was encouraged. Faisal Saleem with MCDOT reported on the RADS upgrade project to provide new servers using a cloud-based system. The upgrade is expected in the next couple of weeks, allowing distribution of performance data from the involved agencies. The new system will provide for high-resolution data. The ATIS arterial travel time systems upgrade project involves two pilot agencies, City of Mesa and City of Glendale, integrated with the system. MCDOT is working with eight other agencies to be included in the system, with plans for six additional agencies to integrate construction data into the system. The Bell Road adaptive signal control project is in the final stages of procurement. Bryce Christo with City of El Mirage stated that the city has substantially completed the last round of CMAQ projects, including LED installations at traffic signals, emergency preemption, and video detection. He thanked the ITS Committee and ADOT for the coordination effort. Reza Karimvand with ADOT stated that ramp meter operations are being upgraded and tested.

8. Request for Future Agenda Items

Chair Riegel called on members to request future agenda items. There were no requests.

9. Next Meeting Date and Place

Chair Riegel noted that the July meeting has been canceled and the next meeting will be held at 10:00 a.m. on Wednesday, August 3, 2016, in the Ironwood Room (2<sup>nd</sup> floor) at MAG. A cancellation notice is pending.

10. Adjournment

Chair Riegel adjourned the meeting at 10:29 a.m.