

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

October 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
Mike Mah, City of Chandler	Ron Amaya, City of Peoria
# Captain Burley Copeland, DPS	Marshall Riegel, City of Phoenix
Bryce Christo, City of El Mirage	Steve Ramsey, City of Scottsdale
* Toni Whitfield, FHWA	Albert Garcia, City of Surprise
Leslie Bubke, Town of Gilbert	David Lucas, City of Tempe
Allan Galicia for Debbie Albert, City of Glendale	Suresh Shrimavle for Abhishek Dayal, Valley Metro

**OTHERS PRESENT**

Raquel Schatz, City of Apache Junction	Dan Hartig, Ayres
Jason Mahkovtz, City of Buckeye	Tim Wolfe, Dibble
Kiran Guntupalli, City of Glendale	Bruce Dressel, Lee Engineering
Hugh Bigalk, City of Goodyear	Doug McCants, Horrocks
Rob Dolson, City of Maricopa	Alyssa Mittelhauser, AMEC FW
Mark Poppe, ADOT	Corey Steele, Strand
Caitlin Brady, MCDOT	Paul Porell, Retired
Lisa Burgess, Kimley-Horn	John Bullen, MAG
Amy Minowitz, Kimley-Horn	Quinn Castro, MAG
Tom McCullough, Kimley-Horn	Margaret Boone, MAG
Anita Johari, ASJ	Ryan Gish, MAG
Tomas Guerra, OZ Engineering	Micah Henry, MAG
Srini Goundla, PB	Sarath Joshua, MAG
Don Tappendorf, TEC	Eric Nava, MAG
Arnab Gupta, AECOM	
Don Wiltshire, YSMA	

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

1. **Call to Order**

Chair Marshal Riegel called the meeting to order at 10:00 a.m.

2. Approval of the September 2, 2015 ITS Meeting Minutes  
Chair Riegel requested approval of the meeting minutes from the September 2<sup>nd</sup> ITS Committee meeting. Sarath Joshua with MAG stated that Rob Dolson with City of Maricopa participated via phone. **With the correction Ron Amaya from City of Peoria moved, David Lucas from City of Tempe seconded, and it was unanimously carried to approve the minutes of the meeting held on September 2, 2015.**
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 Sarath Joshua from MAG to present the Program Manager's Report. Mr. Joshua addressed the following items in his report:
  - Status of TSOP Projects:  
For FY2015 TSOP projects nine out of the eleven projects have been completed. Project #10, the Before and After Evaluation of three TSOP projects, is still underway. Project #11, the ICM project for I-10 from 35<sup>th</sup> Avenue to 83<sup>rd</sup> Avenue, the scope of work is being reviewed by the City of Phoenix. The task order is anticipated for November 2015. The FY2016 Call for TSOP Projects was announced today, October 7, 2015.
  - I-10 ICM Deployment Planning Study Phase 1  
Micah Henry reported on the status of I-10 ICM Deployment Planning Study. MAG has hired Kimley-Horn & Associates to perform this study. Phase 1 includes development of the Project Management Plan (PMP) and the System Engineering Management Plan (SEMP). The focus of the study is on effective operations and strategies for major incidents and closures on I-10. This includes communications to support enhanced real-time traffic monitoring, supporting freeway-arterial coordination, and traveler information for real-time decision making and route alternatives. The PMP includes identifying stakeholders, project goals and objectives, schedule of activities, stakeholder communication plan, coordination of partnering agencies, analysis data, potential MOUs and IGAs, and stakeholder support. The SEMP includes identifying Planning Partner representatives, systems engineering process, regional ITS architecture (existing and updates), risk management strategies, critical technologies, and performance monitoring metrics.
  - US-60/Grand Avenue Traffic Management Plan  
Micah Henry reported on the US-60/Grand Avenue Traffic Management Plan. MAG has hired Burgess & Niple to develop the Traffic Management and Operations Plan, which includes identifying infrastructure improvements for ITS and the overall Concept of Operations Plan that would describe traffic operations in this corridor. The project will provide recommendations for improvements for communications, signal controllers, detection, monitoring capabilities (CCTV, video detection), dynamic message signs, and communications to central traffic management centers. The project includes inventorying existing infrastructure, developing the Concept of Operations (current functionality and roles and responsibilities), infrastructure requirements

and improvements, and the corridor Traffic Management Plan.

➤ **Status Report on the Regional Community Network (RCN)**

Ryan Gish provided an update on the latest RCN developments that were discussed at the RCN Working Group meeting earlier in the day. He reported that there were a few network outages last month due to weather-related power failures. The redundant connections retained communications for the most part. Several network switches will be updated over the next two months. MAG will coordinate with those impacted agencies. Several ongoing construction projects will impact the redundancy of the RCN. MAG staff will be establishing alternate paths. Additional video management software licenses for Luxriot were purchased and are available for member agencies upon request. MAG staff requested data from member agencies for the fiber mapping project. Peoria has contributed data for this effort.

➤ **ITS Arizona 2015 Best ITS Planning Project Award**

Sarath Joshua informed the Committee about the recent award given by ITS Arizona to the MAG study on Emergency Vehicle Preemption (EVP) Best Practices that was overseen by the committee. The award was for the 2015 Best ITS Planning Project and was given at the ITS Arizona 22<sup>nd</sup> Annual Conference. It was awarded to Maricopa Association of Governments in partnership with OZ Engineering. Sarath Joshua noted that this award to MAG is really for the collective work by the committee and staff.

5. City of Tempe Request for Combination of ITS Projects in FY2016 & FY2017

Chair Riegel invited David Lucas with the City of Tempe to discuss the City's request to combine two ITS projects. The City has two upcoming TIP projects to construct a fiber backbone along Rural Road. The first project in FY2016 will construct a fiber backbone along the north half of the city. The second project in FY2017 will construct a fiber backbone along Rural Road in the southern half of the city.

Both TIP projects are included in one design contract that is currently underway. The City of Tempe has requested to defer the first project in FY2016 to FY2017 and to create one combined project that will encompass the fiber backbone construction for all of Rural Road. This would allow the project to save time, money and have it executed more efficiently. **Albert Garcia from City of Surprise moved, Leslie Bubke from Town of Gilbert seconded, and it was unanimously carried to approve the combination of ITS projects for the City of Tempe into a single project in the FY2017 MAG TIP.**

6. FY2018-2019 TIP Project Evaluation Process & Project Presentations

Chair Riegel invited Sarath Joshua to discuss the process for evaluating TIP project applications. Mr. Joshua provided a brief review of the ITS project evaluation form. Requirements for ITS project applications include compliance with the Regional ITS Architecture, identification of the regional priority in the 2012 MAG ITS Strategic Plan for the project's proposed improvement, and identification of the location of the proposed project to be located within the CMAQ eligible area.

The project evaluation criteria includes the Congestion Management Process (CMP) score (comparing against the six (6) CMP objectives), the Air Quality Score (emission reduction potential to be provided by the Air Quality TAC), and the Safety Score

(potential to improve safety).

Mr. Joshua reviewed the ITS project evaluation schedule:

- Today, Oct. 7<sup>th</sup>: 5-minute presentations to the ITS Committee followed by a 5-minute question and answer period.
- Oct. 12<sup>th</sup> Noon: Submit project clarifications to MAG.
- Oct. 22<sup>nd</sup>: Air Quality scores are completed by the Air Quality Technical Advisory Committee (TAC).
- Oct. 23<sup>rd</sup>: Air Quality scores provided to the ITS Committee to be added to the evaluation forms, generating final rankings for individual members.
- Oct. 26<sup>th</sup> at 10 AM: Finalized evaluation forms are due to MAG staff to combine rankings.
- Nov. 4<sup>th</sup>: ITS Committee members review the final rankings and establish recommendations for programming projects.

A total of 31 ITS project applications were received from 15 MAG member agencies seeking CMAQ funds in FY2018 & 2019. Two project applications were submitted by the City of Buckeye prior to the deadline and were included in the evaluation process. Each project will be briefly presented to the committee by the lead agency. A total of 5 minutes per project will be provided. Agencies with projects with multiple phases may combine them into one presentation. Each presentation will be followed by questions and answers. Any clarifications made to or agreed upon during project presentations or the Questions and Answers period must be submitted to MAG via email by Monday, October 12<sup>th</sup> at Noon.

The final list of ITS projects to be recommended by the committee will be generated at the next committee meeting on November 4, 2015.

The following projects were presented to the Committee:

- City of Apache Junction – Raquel Schatz presented 2 projects, Installation of Wireless Communication and Connect Traffic Signals via Fiber Communications.
- City of Avondale – Chris Hamilton presented 2 projects, Dysart Road ITS Phase 2 and Van Buren Street ITS Phase 1.
- City of Buckeye – Jason Mahkovtz presented 2 projects, Complete Gaps in ITS Infrastructure Phase 1 (Watson Road and Yuma Road Corridors) and Complete Gaps in ITS Infrastructure Phase 2 (Verrado Way from McDowell Road to Yuma Road).
- City of Chandler – Mike Mah presented 2 projects, Bicycle Video Detection Project Phase 1 (Chandler Boulevard) and Bicycle Video Detection Project Phase 2 (Ray Road and Kyrene Road).
- City of El Mirage – Bryce Christo presented 1 project, Fiber Installation and Traffic Signal System Improvements.
- City of Glendale – Allan Galicia presented 2 projects, ITS Infrastructure on Camelback Road (51<sup>st</sup> Avenue to 67<sup>th</sup> Avenue.) and ITS Infrastructure on Camelback Road (75<sup>th</sup> Avenue to 91<sup>st</sup> Avenue). Kiran Guntupalli presented 1 project, Procurement of an Emergency Vehicle Preemption System.
- City of Goodyear – Luke Albert presented 3 projects, ITS Infrastructure on Elwood Street (Cotton to Estrella) and Cotton Lane (Commerce to Elwood) Phase 1, ITS Infrastructure on Elwood Street (Cotton to Estrella) and Cotton Lane (Commerce to Elwood) Phase 2, and ITS Strategic Plan Update.

- City of Maricopa – Rob Dolson presented 2 projects, ITS Infrastructure on Honeycutt Road from SR-347 to City Hall and ITS Infrastructure on Porter Road from Honeycutt Road to Maricopa-Casa Grande Highway.
- Maricopa County – Nicolaas Swart presented 2 projects, Expanded MCDOT TMC Support for After Hours/Arterial Incident Management and Regional Archived Data System (RADS) Expansion and Enhancements.
- City of Mesa – Avery Rhodes presented 2 projects, Upgrade Traffic Signal Cabinet & Controllers in East & West Mesa Phase 1 and Upgrade Traffic Signal Cabinet & Controllers in East & West Mesa Phase 2.
- City of Peoria – Ron Amaya presented 1 project, Installation of Flashing Yellow Arrow Signal Heads.
- City of Phoenix – Chair Marshall Riegel presented 2 projects, ITS Infrastructure and Traffic Data Acquisition Phase 1 – Arterials Adjacent to SR-51 and ITS Infrastructure and Traffic Data Acquisition Phase 2 – South Phoenix Area.
- City of Scottsdale – Steve Ramsey presented 1 project, Thomas Road Video Detection.
- City of Surprise – Albert Garcia presented 4 projects, Emergency Vehicle Preemption Study and Implementation Plan, ITS Strategic Plan, Greenway Road CCTV Camera and Vehicle Detection Upgrade, and TMC Upgrades.
- City of Tempe – David Lucas presented 2 projects, Install ITS Infrastructure and Components Phase 1 and Install ITS Infrastructure and Components Phase 2.

7. Reports by Committee Members

In the interest of time Chair Riegel tabled this item for the next meeting.

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

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

10. Adjournment

Chair Riegel adjourned the meeting at 1:36 p.m.