

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

November 10, 2009
Tempe Transportation Center
Community Meeting Room (Second Floor)
200 E 5th Street, Tempe, AZ 85281

MEMBERS ATTENDING

Lydia Warnick for Scott Nodes, ADOT	Luke Albert, City of Goodyear
Soyoung Ahn, ASU	Nicolaas Swart, Maricopa County
Gus Woodman, City of Avondale	Derrick Bailey, City of Mesa
**Thomas Chlebanowski, Town of Buckeye	Ron Amaya, City of Peoria
Mike Mah, City of Chandler	Marshall Riegel, City of Phoenix
*Jenna Mitchell, DPS	Bob Ciotti, Phoenix Public Transit
Gorge Gastelum for Jerry Horacek, City of El Mirage	Michael Pacelli, Town of Queen Creek
Jennifer Brown, FHWA	Bruce Dressel, City of Scottsdale
Kurt Sharp, Town of Gilbert	John Abraham, City of Surprise
Debbie Albert, City of Glendale	Jim Decker, City of Tempe
	Arkady Bernshteyn, Valley Metro Rail

OTHERS PRESENT

Avery Rhodes, Glendale	Darrell Bingham, ADOT
Randy Harrell, Fountain Hills	Lisa Burgess, KHA
Deanna Townsend, KHA	Yung Koproowski, Morrison Maierle
Jay Yenerich, Telvent	Don Wiltshire, Y.S. Mantri
Bo Gao, TransCore	Jim C. Lee, Lee Engineering
Bob Grodsky, ENS	Michael Wendtland, ITS Engineers
Art Kurbakov, YSMA	Richard Weeks, AECOM
Armand Ciccarelli, PBS&J	Saroja Devarakonda, HDR
Sarath Joshua, MAG	Gary Rylander, Rylander Consulting
Leo Luo, MAG	Kiran Guntupalli, MAG

*Not present

** Via teleconference

1. Call to Order
Chairman John Abraham called the meeting to order at 10:07 AM.
2. Approval of October 7, 2009 Meeting Minutes
Michael Pacelli moved, Derrick Bailey seconded and it was unanimously carried to approve the minutes of the meeting held on October 7, 2009.

3. Call to Audience

Chairman John Abraham made a call to the audience providing an opportunity to any members of the public to address the ITS Committee. No comments were received.

4. Program Manager's Report

Mr. Sarath Joshua addressed the following items in his report:

- Status of RCN Phase 1A project

A new version of the RCN Roles and Responsibilities document was provided to committee members. Members were asked to send in comments by the end of November. Ms. Lydia Warnick from ADOT was requested to report on the progress of the RCN Phase 1A construction project. She mentioned that ITS Engineers is nearing completion of the installation of Active Electronic devices at member agencies. The project team is expected to receive the approved IP addressing scheme from City of Tempe.

- FY2010 TSOP Project

The thirteen (13) new TSOP projects recommended by ITS Committee are now going through the MAG approval process. This list of projects will go before the Management Committee on November 18th and Regional Council on December 9th. After the approval of the Regional Council, the Task Orders for each project will be developed with the ITS on-call consultants.

5. Status of RCN Phase 1A and RCN Roles and Responsibility Document

This item was skipped as it was addressed during the Program Manager's report. Since the latest version of the document was only made available before the Committee meeting, no action will be taken until after review comments from committee members are received and incorporated.

6. Non-Recurring Congestion Study - Consultant Selection

Chairman John Abraham mentioned that the RFP for the Non-Recurring Congestion Study was announced by MAG on August 31st. A consultant selection panel was formed from the ITS Committee. Mr. Sarath Joshua added that two (2) out of the six (6) consultant teams were invited for interviews held on October 15. The selection panel recommended the team that was led by Lee Engineering LLC with Texas Transportation Institute and TRA as subcontractors. **Mike Mah moved, Ron Amaya seconded and it was unanimously carried to recommend the Lee Engineering team to conduct the Non-recurring Congestion Study for a cost not to exceed \$300,000.** This will be presented next to the Management Committee for a recommendation and the Regional Council for final approval. Following that a contract will be negotiated with Lee Engineering and the study commenced in January or February 2010.

7. Review of Proposed TIP FY 2014 ITS Projects

Mr. Sarath Joshua mentioned that all the federally funded ITS projects in the region are usually funded with CMAQ funds and are subjected to an analysis of air quality benefits. The MAG Air Quality Technical Advisory Committee has provided a recommendation based on an evaluation of the proposed ITS projects for FY2014. Committee members were asked to consider the air quality scores when making recommendations on the proposed ITS projects. A total of \$6,887,000 CMAQ funding is available and MAG

received thirteen project applications requesting a total of \$7,464,642. Committee members generated their individual rankings for the thirteen (13) projects. These rankings were combined using an Excel spreadsheet and the summary rankings of the projects were displayed to the committee. In a follow-up discussion the committee agreed that the combined rankings should be recommended to the Transportation Review Committee along with a request that all 13 projects be kept in the list of ITS projects to be programmed for FY 2014. Arkady Bernshteyn moved Marshall Riegel seconded and it was unanimously carried that the committee **recommend the list of projects, ranked as shown in the table, with a request to TRC that all 13 proposed projects be programmed in FY 2014 with necessary cost adjustments to match available federal funds.**

November 10, 2009					
FY 2014 TIP ITS Project Ranking					
	Agency	Project Name	Descriptions	Fed\$ Requested	Final Rank
10	Phoenix #1	ITS Strategic Plan	Develop the City of Phoenix's first ITS Strategic Plan. This Plan will include strategies for building out, operating and maintaining and enhancing the City's ITS Infrastructure and manpower needs.	\$182,000	1
7	MCDOT #1	RADS upgrade	Upgrade the Regional Archive Data Center Equipment and Systems to enhance archiving capacity and the utility (performance monitoring, research, sharing, planning capabilities) of real time traffic data.	\$136,500	2
12	Scottsdale	Adaptive traffic control at FLW Blvd & Loop 101	1. To identify traffic adaptive signal systems that have been deployed and returned successful outcomes in reducing traffic delay on stated corridors across the country. 2. Deploy the selected system on FLW and complete before and after delay studies. 3. Evaluate if the Adaptive System can minimize delay as well, or better than real-time control of the area signals through the Traffic Management Center and human intervention.	\$39,375	3
9	Peoria	ITS Corridor Upgrade	To upgrade the existing cabinets, traffic controllers and also upgrade the existing loop detection to video detection on selected corridors to improve the overall communication within the City's Network and also upgrade the hardware and software with the changing technologies in ITS. Upgrade the hardware and software technology within the City's Traffic Signal Control System in order to improve the overall reliability and system performance. This will enable the City to improve the overall performance of traffic operations within City's street network system.	\$700,000	4
13	Tempe	South Tempe Communications Project	Tempe currently uses leased phone lines to facilitate traffic signal operations. This project proposes to use an existing conduit along Elliot for fiber optic communication to the signals. Wireless radios will be used to provide communication to signals along Guadalupe & Warner. CCTVs will be placed at the major intersections for traffic monitoring.	\$415,485	5
11	Phoenix #2	Fiber Optic Backbone Expansion Phase B	To extend Phase B Fiber Optic Backbone, To provide Traffic Signal interconnect to the City of Phoenix TMC	\$818,000	6
2	El Mirage	Arterial ITS Enhancements	Phase I, various arterial traffic signal enhancements to upgrade the existing signalized intersections for computerized signal control, closed circuit video, improved pedestrian control, improved signage and better signal preemption. Future phases to provide planned interconnections of signals both locally and with adjoining agencies	\$415,660	7
1	Chandler	North Chandler Fiber Loop	Provide fiber optic communications from traffic signals in the project area back to the TMC. Improve the city's efficiency in responding to emergencies by providing communications from TMC to traffic signals.	\$801,500	8
5	Glendale	Fiber conduit & CCTV at 67th Ave & node building	Connect seven intersections to the city's central signal system and install four CCTV cameras along 67th Avenue to allow for remote monitoring and management of traffic along the corridor. Additionally, connect the fiber communications infrastructure to existing fiber and add equipment to a public safety building so that redundant pathways between node buildings for city and RCN communications are created.	\$980,000	9
4	Gilbert	Traffic signal improvement and coordination	This project installs 3-mile fiber optic communication lines in existing conduits. The project will also add new CCTV cameras, traffic signal video detection, and controllers near Baseline Rd. & Val Vista Dr. The project enables Traffic Management Center to respond to traffic congestion at 7 remote intersections in real-time. It also includes jurisdiction-wide signal timing operations improvements.	\$317,122	10
8	MCDOT #2	MC85 ITS	Extend traffic management capabilities along MC 85, thus improving traffic flow and overall roadway capacity, and reducing reliance on private sector leased lines for required communication links. Implement ITS corridor improvements recommended in the MCDOT ITS Communications Plan; provide interconnection among area traffic signals; improve traffic monitoring and traffic signal control in the MCDOT and Avondale TMC's; expand AZTech regional traffic information database	\$847,000	11
6	Goodyear	Van Buren St Fiber and Conduit	The goal of this project is to improve the City's ability to manage traffic on Van Buren Street. This project will provide traffic signal connectivity to three existing and one future traffic signal. In addition, CCTV cameras will be provided at key intersections. In addition to being an important east-west corridor in the City of Goodyear, Van Buren Street has been identified as a key corridor in the I-10 Integrated Corridor Management System (ICMS). CCTV images and traffic signal timing plans from intersections along this corridor will be shared with ADOT to maximize east-west traffic mobility during incidents and freeway construction restrictions.	\$812,000	12
3	Fountain Hills	ITS Initial Deployment	Provide an initial deployment of ITS for traffic signals on Shea Blvd and in the downtown area. Provide monitoring/control sites at Town Hall and the Street Yard.	\$1,000,000	13
				Fed\$ Requested=	\$7,464,642
				Fed\$ available =	\$6,887,000

8. Status Reports by Committee Members on ITS Activities

Mr. Sarath Joshua mentioned that a FHWA workshop on Dynamic Traffic Assignment will be held on November 20, 2009 at MAG. More information will be made available to the committee members prior to the workshop. Mr. Marshall Riegel mentioned that three ITS projects utilizing ARRA funds are pending on FHWA approval. Ms. Lydia Warnick from ADOT provided update on the progress of the FMS projects.

9. Request for Future Agenda Items

No Agenda Item from Committee members was received.

10. Next Meeting Date

Next meeting date was announced at 10:00 a.m. on Wednesday, December 2, 2009 at MAG.

11. Adjournment

Chairman John Abraham adjourned the meeting at 11:00 AM.