

MINUTES OF THE
MAG MANAGEMENT COMMITTEE MEETING
August 10, 2016
MAG Office, Saguaro Room
Phoenix, Arizona

MEMBERS ATTENDING

Ed Zuercher, Phoenix, Chair	Gregory Rose, City of Maricopa
Patrick Banger, Gilbert, Vice Chair	Christopher Brady, Mesa
Matt Busby for Bryant Powell, Apache Junction	Kevin Burke, Paradise Valley
David Fitzhugh, Avondale	Carl Swenson, Peoria
Roger Klingler, Buckeye	# Louis Andersen for Greg Stanley, Pinal County
Gary Neiss, Carefree	Bruce Gardner for John Kross, Queen Creek
* Peter Jankowski, Cave Creek	* Bryan Meyers, Salt River Pima-Maricopa Indian Community
Marsha Reed, Chandler	* Brian Biesemeyer, Scottsdale
Dr. Spencer Isom, El Mirage	* Bob Wingenroth, Surprise
# Brent Billingsley, Florence	Andrew Ching, Tempe
Alfonso Rodriguez for Phil Dorchester, Fort McDowell Yavapai Nation	* Reyes Medrano, Jr., Tolleson
Grady Miller, Fountain Hills	Joshua Wright, Wickenburg
* Michael Celaya, Gila Bend	* Jeanne Blackman, Youngtown
* Pamela Thompson, Gila River Indian Community	Floyd Roehrich for John Halikowski, ADOT
Kevin Phelps, Glendale	Reid Spaulding for Joy Rich, Maricopa County
Brian Dalke, Goodyear	# Scott Smith, Valley Metro/RPTA
* Rosemary Arellano, Guadalupe	
# Darryl H. Crossman, Litchfield Park	

* Those members neither present nor represented by proxy.

Participated by telephone conference call. + Participated by videoconference call.

1. Call to Order

The meeting of the MAG Management Committee was called to order by Chair Ed Zuercher, Phoenix, at 12:04 p.m.

2. Pledge of Allegiance

The Pledge of Allegiance was recited.

Mr. Louis Andersen, Mr. Brent Billingsley, Mr. Darryl Crossman, and Mr. Scott Smith joined the meeting via teleconference.

Chair Zuercher welcomed Mr. Roger Klingler, who was named Interim City Manager for the City of Buckeye.

3. Call to the Audience

Chair Zuercher recognized public comment from Ms. Dianne Barker, who stated that she is a resident of the City of Phoenix, which is an all American city. Ms. Barker expressed that she was happy that the U.S. women's multicultural gymnastics team won the gold medal at the Rio Olympics. She commented that one of the team members is said to be the best gymnast ever. Ms. Barker spoke of the positive teamwork she saw. Ms. Barker expressed her complaint about the lack of customer service demonstrated on the Valley Metro transit system. She said she was trying to transfer but was left by a bus at the transfer point. She said that Valley Metro staff advised her that riders should be at their bus stop five minutes before their bus is due to arrive. She questioned whether this means policy should overtake customer service. Ms. Barker said to strive beyond like in the Olympics and value the customer. She submitted documents for the record. Chair Zuercher thanked Ms. Barker.

Chair Zuercher recognized public comment from Mr. John Rusinek, who commented on the lot next door to his house. He said he received a letter from the Phoenix City Attorney, which he felt questioned his intelligence. Mr. Rusinek stated that the lot next door is 6,177 square feet. He spoke of the many vehicles that drive and park on the lot. Mr. Rusinek stated that they have to cross a dirt area to reach the gravel driveway. He said there is grass growing in the dirt. Mr. Rusinek stated that he has 100 pictures of that lot being used but the City will not look at them, nor will it look at his 11-year log. He noted that it took the City seven years to deem the driveway non-dustproofed. If a driveway is used, it must be dustproofed. Chair Zuercher thanked Mr. Rusinek.

4. Executive Director's Report

Mr. Dennis Smith, MAG Executive Director, reported on items of interest to the MAG region. Mr. Smith stated that on June 21, 2016, at the MAG office, CenturyLink provided a presentation on its managed services proposal for 9-1-1. Mr. Smith stated that in the 1980's, MAG established the 9-1-1 system in the region and its 9-1-1 committee process.

Mr. Smith stated that when 9-1-1 was established in this region, member agencies signed Resolutions agreeing to have the City of Phoenix serve as the contracting agent for the Maricopa Region 9-1-1 system. Mr. Smith stated that the City of Phoenix currently provides maintenance service on the 9-1-1 equipment to the Public Safety Answering Points in the MAG region, using funds from the 9-1-1 fund.

Mr. Smith stated that because Maricopa Region 9-1-1 is a regional system MAG expressed its concern that CenturyLink is meeting individually with member agencies regarding the managed services proposal. He noted that MAG staff has met with a representative from the Governor's Office and is meeting that afternoon with staff from the Arizona Department of Administration and the City of Phoenix on the 9-1-1 managed services proposal. Mr. Smith noted that the

managed services proposal will be discussed by the MAG Public Safety Answering Point Managers Group on August 11 and the MAG Oversight Team on August 25.

Mr. Smith stated that another element to this topic is the Regional Community Network, which is utilized by Maricopa Region 9-1-1, is the underground fiber connecting cities. Mr. Smith stated that the Regional Community Network originally was used to connect traffic centers in the region. He said that 9-1-1 was added to the Regional Community Network when the region's public safety departments wanted a redundant route for 9-1-1. Mr. Smith noted that 90 percent of the region's 9-1-1 population is covered by the Regional Community Network. He said that CenturyLink has indicated that the region's 9-1-1 system would no longer be able to use the Regional Community Network under its managed services proposal because it would be unable to vouch for it.

Mr. Smith stated that he and Phoenix Mayor Greg Stanton, Chair of the MAG Regional Council, were invited by U.S. Secretary of Transportation Anthony Foxx to attend the MPOwerment Roundtable and 50th Anniversary forum in Washington, D.C. He said that MAG is one of the most innovative MPOs in the U.S. Mr. Smith stated that transportation was under the Department of Commerce, until 50 years ago, when President Lyndon Johnson established the U.S. Department of Transportation in an effort to complete the interstate system. Mr. Smith stated that the interstate system is now virtually complete and it is time to return to its original purpose and focus of improving the economy.

Mr. Smith stated that Gilbert Mayor John Lewis resigned his office as mayor to assume the position of President and CEO of East Valley Partnership. He noted that Mayor Greg Stanton presented Mayor Lewis with a Resolution of Appreciation from MAG commemorating his contributions to the region. Mr. Smith displayed a photograph of the presentation.

Mr. Smith reported that the South Mountain Freeway lawsuit has not yet been decided. He added that staff will inform member agencies of any news that is received.

Mr. Smith stated that MAG's air quality special counsel is with the Department of Justice and the State of Arizona as deliberations continue on the lawsuit on PM-10 exceedances.

Mr. Smith stated that the Mandela Washington Fellowship group recently visited MAG. He expressed appreciation to the City of Tempe, which lent great assistance and Ms. Amy St. Peter, MAG Assistant Director, who organized the event. Mr. Smith added that the Mandela Washington Fellowship group visited to learn about MAG's best practices.

Mr. Smith stated that MAG's consultant, Capitol Strategies, received bipartisan Congressional support for expanding the zone of the Border Crossing Card from 75 miles to the entire State of Arizona. He noted that MAG had submitted letters of support for the expansion to the Department of Homeland Security. Mr. Smith stated that expanding the zone could provide an estimated \$181 million per year increase in sales tax in the State. He expressed that they hope the expansion will receive a positive determination by Homeland Security.

Chair Zuercher thanked Mr. Smith for his report.

5. Approval of Consent Agenda

Chair Zuercher stated that agenda items #5A, #5B, #5C, #5D, #5E, #5F, #5G, #5H, #5I, #5J, and #5K were on the Consent Agenda.

Chair Zuercher recognized public comment from Ms. Dianne Barker, who said that she wanted to make some additions and clarifications to her statements in the June 8, 2016, MAG Management Committee minutes. These changes were provided in a written statement and are noted in underline: “Chair Crossman recognized public comment from Ms. Dianne Barker, who reported that she and Mr. Rusinek went to the Board of Supervisors meeting. She stated that Maricopa County is the primary regulator of air quality in this area per the Clean Air Act. Ms. Barker stated that the public is monitoring the behavior of elected officials and agency staff. She noted that transit ridership is down and this could be attributed to lower gas prices.” Ms. Barker added: and the lack of good customer service and positive advertising. Ms. Barker continued reading the June 8 minutes: “the former ADEQ director indicated the 23-year-old memorandum of understanding between MAG and ADEQ does not need to be updated, but she thinks it should be revised so we can get out of this air quality problem.” Ms. Barker added: The old 23 Memo needs consist revision-review and update-upgrade for the new. This is as expected under AZ State law in it’s creation, Title 49, Environmental Air Quality Chapter 3 et al 49-406, 49-506 A-G. Ms. Barker stated that lower transit usage is also attributed to the lack of customer service and good advertising. She said that more of the supervisors need to use transit to be closer to the problem. Good customer service is needed. Ms. Barker stated that the MOU needs to be revised. She said that she wanted all transportation and air quality staff to read Title 49, which is State law. Ms. Barker stated that the MOU needs review, revision, update, upgrade. She said this should be done on a near-annual basis. She said that she wanted to see each and every agency doing voluntary no-drive days. Chair Zuercher thanked Ms. Barker.

Chair Zuercher asked members if they had questions or requests to hear a presentation on any of the Consent Agenda items.

Mr. Roger Klingler noted that in the letter from the Arizona Department of Transportation for agenda item #5E, Buckeye is noted as a Town, not a City. He requested that this change be made.

Mr. Smith apologized for not catching the error.

Mr. Floyd Roehrich noted that the correction was duly noted and would be made.

Mr. Klingler moved to recommend approval of Consent Agenda items #5A, #5B, #5C, #5D, #5E, #5F, #5G, #5H, #5I, #5J, and #5K. Mr. Gregory Rose seconded. With no further discussion, the vote on the motion passed unanimously.

5A. Approval of the June 8, 2016, Meeting Minutes

The MAG Management Committee, by consent, approved the June 8, 2016, meeting minutes.

5B. Project Changes - Amendments and Administrative Modifications, as Necessary, to the FY 2017-2021 MAG Transportation Improvement Program, FY 2017 Arterial Life Cycle Program, and the 2035 Regional Transportation Plan

The MAG Management Committee, by consent, recommended approval of amendments and administrative modifications to the Fiscal Year (FY) 2017-2021 MAG Transportation Improvement Program (TIP), FY 2017 Arterial Life Cycle Program, and 2035 Regional Transportation Plan as necessary, and of necessary project advancements, deferrals, modifications, and inclusion of detailed TIP listings for previously approved priority ordered projects related to apportioned Federal FY 2016 funding that are needed to balance the FY 2016 Obligation Authority or utilize FY 2016 Federal Transit Administration allocations based on the forthcoming final Obligation Authority distributions from the Arizona Department of Transportation and/or notifications by the region's transit Designated/Direct Recipient, supported by funding notices from the Federal Highway Administration and Federal Transit Administration. The Fiscal Year (FY) 2017-2021 MAG Transportation Improvement Program (TIP), FY 2017 Arterial Life Cycle Program (ALCP), and amendment to the 2035 Regional Transportation Plan (RTP) were approved by the MAG Regional Council on June 22, 2016. MAG submitted the request to approve and amend the State Transportation Improvement Program (STIP) to the Arizona Department of Transportation (ADOT), Federal Highway Administration (FHWA), and Federal Transit Administration (FTA) on June 23, 2016, and approval to amend the STIP is currently pending. Project changes and additions to the TIP have been requested by member agencies. Further, the end of the federal fiscal year is approaching, and all FHWA sub-allocated funding (Obligation Authority), for Federal Fiscal Year (FFY) 2016 must be utilized or will be lost from the region. The Designated Recipient and Direct Recipient (City of Phoenix Transit Department) of certain FTA funding are currently preparing and submitting FY 2016 grant requests for federal approval. Project changes related to the FY 2017-2021 MAG TIP, FY 2017 ALCP, and the 2035 RTP, as appropriate, are needed at this time. On July 28, 2016, the Transportation Review Committee recommended approval.

5C. MAG Federally Funded, Locally Sponsored Project Development Status Report

The MAG Management Committee, by consent, recommended acceptance of the MAG Federally Funded, Locally Sponsored Project Development Status Report. The MAG Federally Funded, Locally Sponsored Project Development Status Report was developed pursuant to the MAG Federal Fund Programming Guidelines & Procedures, approved by the MAG Regional Council on June 24, 2015. The Status Report provides information on the development and status of locally sponsored projects funded thorough the MAG competitive selection process for federal funds (primarily Congestion Mitigation and Air Quality Improvement Program funds and Transportation Alternatives Program funds) for Federal Fiscal Years 2017 and 2018 of the approved TIP. The Status Report performs two key functions: 1) Provides verification that federally funded, locally sponsored projects fully comply with the fiscal constraint requirements

of the Code of Federal Regulations (23 CFR §450). 2) Provides MAG with information necessary to make decisions to avoid the loss of federal funds as a result of federal “use it or lose it” requirements. On July 28, 2016, the Transportation Review Committee recommended acceptance of the MAG Federally Funded, Locally Sponsored Project Development Status Report.

5D. Memorandum of Understanding for Coordination of Transportation Planning Activities in the MAG and Sun Corridor Metropolitan Planning Organization Planning Areas in Pinal County

The MAG Management Committee, by consent, recommended approval of the Memorandum of Understanding for coordination of transportation planning activities in the MAG and Sun Corridor Metropolitan Planning Organization (SCMPO) planning areas in Pinal County. MAG shares the West Pinal PM-10 Nonattainment Area and West Central Pinal PM-2.5 Nonattainment Area with the Sun Corridor Metropolitan Planning Organization (SCMPO). The Code of Federal Regulations (23 CFR §450.314(b)) requires that where planning boundaries contain only part of a nonattainment or maintenance area, the parties responsible for transportation planning in the area develop a written agreement describing how transportation planning will be conducted for the nonattainment or maintenance area. Included with this agenda is a draft Memorandum of Understanding developed jointly by MAG, SCMPO, the Arizona Department of Environmental Quality and the Arizona Department of Transportation pursuant to the above referenced regulation. The Memorandum of Understanding largely documents planning coordination activities that are already in place and is limited to planning coordination activities only. The document has been reviewed by legal staff from all four parties to the agreement. On July 28, 2016, the MAG Transportation Review Committee recommended approval of the Memorandum of Understanding.

5E. Arizona Department of Transportation Red Letter Process

The MAG Regional Council approved the Red Letter Process in 1996 to provide early notification of potential development in planned freeway alignments. Development activities include actions on plans, zoning, and permits. The Arizona Department of Transportation (ADOT) has forwarded a list of notifications from January 1, 2016, to June 30, 2016. Twenty-five of the 186 notices received have an impact to the state highway system. ADOT is requesting that local municipalities visit with their respective staff and offices responsible to ensure participation in the Red Letter Program. This item was on the agenda for information and discussion.

5F. FY 2017 MAG Pedestrian and Bicycle Facilities Design Assistance Program

The MAG Management Committee, by consent, recommended approval of the six projects for the FY 2017 MAG Pedestrian and Bicycle Facilities Design Assistance Program: Tempe: Country Club Way Pedestrian Improvements and Bicycle Boulevard (\$72,608.25); Phoenix: 20th Street - Grand Canal to Glendale Avenue: Glendale Avenue - 20th Street to Squaw Peak Drive (\$69,967.95); Surprise: Grand Avenue Pedestrian Plaza (\$52,365.95); Mesa: Red Mountain Shared Use Pathway (\$70,408); Maricopa: Pedestrian and Bicycle Facilities at UPRR/SR 347 Overpass Project (\$70,408); Peoria: Skunk Creek Multi-Use Path: 73rd Avenue to 83rd Avenue (\$64,241.85). The FY 2017 MAG Unified Planning Work Program and Annual Budget, approved

by the MAG Regional Council in May 2016, includes \$400,000 for the MAG Design Assistance Program for Bicycle and Pedestrian Facilities. The Design Assistance Program allows MAG member agencies to apply for funding for the preliminary design portion of a bicycle or pedestrian project. On May 26, 2016, MAG member agencies were requested to submit project applications for the Design Assistance Program. The applications were due June 23, 2016. On July 19, 2016, the Bicycle and Pedestrian Committee reviewed and ranked the applications and voted to recommend approval of six projects for \$400,000. On July 28, 2016, the MAG Transportation Review Committee recommended approval of the six projects for the FY 2017 MAG Pedestrian and Bicycle Facilities Design Assistance Program.

5G. Amendment of the FY 2017 MAG Unified Planning Work Program and Annual Budget to Establish an On-Call Services Contract for Transportation Planning

The MAG Management Committee, by consent, recommended approval of an amendment to the FY 2017 MAG Unified Planning Work Program and Annual Budget to establish an On-Call Services Contract for Transportation Planning in the amount of \$400,000. MAG presently uses on-call services contracts to supplement staff capabilities with expertise in specialized areas of Intelligent Transportation Systems (ITS), Safety, and Travel Demand Modeling to expedite delivery of key programs in the MAG Work Program. These contracts have been successfully integrated into the delivery of studies and programs for ITS and Safety, and has helped advance the development of the next state-of-the practice tools for improving MAG's travel demand modeling services. MAG has utilized the On-Call Services Contract for transportation planning since 2010. Given this success, and as transportation planning demands continue to expand at MAG, a new On-Call Services Contract is sought for general transportation planning applications. The FY 2017 MAG Unified Planning Work Program and Annual Budget was approved by Regional Council in May 2016. An amendment is needed to provide a budget of \$400,000 for the FY 2017 On-Call Services Contract for Transportation Planning to be funded from the Proposition 400 sales tax.

5H. Amendment to the On-Call Project for FY 2016 Transportation Behavioral Model and Data

The MAG Management Committee, by consent, recommended approval of the amendment to the On-Call Project for FY 2016 Transportation Behavioral Model and Data to increase the on-call project budget by \$250,000. The Fiscal Year (FY) 2016 MAG Unified Planning Work Program and Annual Budget, approved by the MAG Regional Council in May 2015, includes on-call consulting services for FY 2016 Transportation Behavioral Model and Data. MAG has identified a number of additional improvements and updates to the regional transportation forecasting models that are required in order maintain currency of the regional forecast and its applicability to the regional planning tasks. In order to fully implement the identified improvements, including recalibration to the new transit on-board survey, updates with the newly collected traffic data, and purchases of the current traffic data sets that have become available, an amendment to the on-call project is required. The amendment will enable the inclusion of additional tasks designed to develop, calibrate and validate MAG transportation models as well as perform relevant data collection and analyses. The additional amount of funds needed for these additional model update tasks is \$250,000.

5I. Status of Remaining MAG Approved PM-10 Certified Street Sweeper Projects That Have Not Requested Reimbursement

A status report was provided on the remaining PM-10 certified street sweeper projects that have received approval, but have not requested reimbursement. To address new Federal Highway Administration procedures to minimize inactive obligations and to assist MAG in reducing the amount of obligated federal funds carried forward in the MAG Unified Planning Work Program and Annual Budget, we are requesting that street sweeper projects be purchased and reimbursement requests be submitted to MAG within one year from the date of the MAG authorization letter. This item was on the agenda for information and discussion.

5J. Conformity Consultation

The Maricopa Association of Governments is conducting consultation on a conformity assessment for an amendment and administrative modification to the FY 2017-2021 MAG Transportation Improvement Program and 2035 Regional Transportation Plan. The amendment and administrative modification involve several projects, including Arterial Life Cycle Program projects. The amendment includes projects that may be categorized as exempt from conformity determinations. The administrative modification includes minor project revisions that do not require a conformity determination. This item was on the agenda for consultation.

5K. Consultant Selection for the MAG Regional Transit Framework Study Update

The MAG Management Committee, by consent, recommended approval of the selection of the firm Nelson\Nygaard Consulting Associates, Inc. to conduct an update to the 2010 MAG Regional Transit Framework Study for an amount not to exceed \$200,000. The Fiscal Year (FY) 2017 MAG Unified Planning Work Program and Annual Budget, approved by the MAG Regional Council in May 2016, includes \$200,000 for an update to the 2010 MAG Regional Transit Framework Study. The scope of work for this 18-month study will formalize the region's high-capacity transit system corridors by updating the work completed in the 2010 study through a planning horizon of 2040. A Request for Proposals was issued on June 20, 2016, and two proposals were received prior to the July 25, 2016, closing date. An evaluation team composed of member agencies and partners reviewed the proposals on August 2, 2016, and recommended to MAG the selection of the firm Nelson\Nygaard Consulting Associates, Inc. to conduct the study.

6. Domestic Violence Awareness Activities

Ms. Amy Robinson, MAG staff, introduced the Honorable Robin Barker, Vice Mayor of Apache Junction, and Chair of the MAG Domestic Violence Council. Vice Mayor Barker thanked the MAG Management Committee for their support of efforts taking place within the region to address domestic violence. These efforts help to save lives and keep our communities safe.

Vice Mayor Barker stated that October is Domestic Violence Awareness Month. She said that in preparation, a training event called "Beyond the Handcuffs: Improving Support for Abuse

Survivors,” is planned for August 18, 2016. Vice Mayor Barker stated that the event will be held at the Maricopa County Sheriff's Office Training Facility in Phoenix. The training will focus on the best practices in the criminal justice response to domestic violence.

Vice Mayor Barker stated that MAG will also be holding a press conference on the Protocol Evaluation Project on September 30, 2016. She explained that the Protocol Evaluation Project is an initiative funded by the Governor's Office and administered by MAG and additional criminal justice system partners to improve the way the region arrests and prosecutes domestic violence offenders.

Vice Mayor Barker stated that in addition to the training event, MAG creates a calendar of events taking place each October to highlight all of the domestic violence awareness events taking place throughout the region. She stated that the calendar will be updated as events are added. Vice Mayor Barker noted that the event registration form was included in the agenda packet and is also on the MAG website. She encouraged members to fill out the form for any domestic violence awareness events they would like to be added to the calendar.

Ms. Robinson noted that the upcoming training event will include speakers from law enforcement, prosecutors' offices, victim advocates, court staff and volunteers. She noted that this is a great opportunity to share best practices. Ms. Robinson stated that if any of agencies are hosting events for Domestic Violence Awareness Month, please let her know and the events will be listed on the domestic violence awareness calendar. She added that MAG staff will also provide technical assistance to any partner agency in conducting an event to raise awareness about the impact of domestic violence.

Chair Zuercher thanked Vice Mayor Barker and Ms. Robinson for their reports. He asked members if they had questions.

Vice Chair Patrick Banger stated that earlier this year, agencies in the region were notified by HUD that their uses for CDBG funds would no longer be allowed. He said the House of Refuge in the East Valley was severely impacted by this change. Vice Chair Banger asked the outcome or if another funding source had been identified.

Ms. Brande Mead, MAG staff, replied that the House of Refuge was a Continuum of Care program for homeless assistance. She noted that funding to eight different programs that provided transitional housing across the region was lost, including the program Vice Chair Banger mentioned. Ms. Mead stated that MAG staff worked with those agencies to transition the families and youth to either other programs or with other funders to sustain the programs. Ms. Mead reported that yesterday, MAG received a letter from HUD in response to MAG's appeal letter requesting reconsideration of its decision. HUD indicated in the letter it was denying the appeal. Ms. Mead stated that MAG staff have been working very closely with the agencies that lost funding. She noted that every youth and family that would have been impacted by that loss of funding have been transitioned or have a transition plan in place.

Mr. Dennis Smith stated that one issue associated with domestic violence is the booking and per diem rates of imprisonment at the County Jail. He said that these rates are always a concern to the cities. Mr. Smith stated that one area of focus in the domestic violence program is the lethality assessment. The lethality assessments could be very useful in the incarceration of those who need to be locked up. If cities are working with magistrates to have offenders released as soon as possible, it could be working at cross purposes. Mr. Smith stated that perpetrators get out of jail and are dangerous, not only to victims, but also to police officers answering the calls. He noted that domestic violence offenders need to be locked up.

Chair Zuercher congratulated Vice Mayor Barker on her Desert Peaks Award for her leadership on domestic violence issues. He thanked her again for coming to the meeting.

7. Update on MAG Website Redesign

Ms. Shannon Reed, MAG staff, stated that an effort is underway to redesign the MAG website to update the site's functionality and to better support new technology and mobile applications. She said that the MAG Executive Committee approved that Integrated Web Strategy LLC, be selected to provide research and strategic planning prior to programming and design of the website.

Ms. Reed stated that Integrated Web Strategy has conducted research that included internal and external stakeholder interviews, focus groups, and an online survey. She said that recommendations from the research included making navigation of the site easier, increasing multimedia content, showing related content, and creating a site for proper display of content.

Ms. Reed stated that Integrated Web Strategy conducted an audit using Google Analytics and heat mapping. She reported the top ten most visited pages on the MAG website. Ms. Reed stated that usage of the MAG website from April 2015 to April 2016. was analyzed and showed the number of new and returning visitors, average session time, total number of users and total number of page views. Ms. Reed noted that the new website will be Americans With Disabilities Act compliant.

Ms. Reed stated that next steps include building new website infrastructure by the MAG IT Division, preparing mockups of new web pages, incorporating recommended strategies, working internally to solidify navigation structure, working with MAG divisions to review current content, simplifying landing pages, restructuring resources and event calendars, and training division liaisons. Ms. Reed stated that the launch of the new website is targeted for April 12, 2017, to coincide with MAG's 50th Anniversary.

Chair Zuercher thanked Ms. Reed for her report. No questions from the committee were noted.

8. Planning for Autonomous Vehicles

Mr. Eric Anderson, MAG staff, reported on planning for autonomous vehicles. He said that MAG has been tracking vehicle technology and what it means for transportation planning. Mr. Anderson stated that he test drove a Tesla with the auto-pilot feature in January. He stated that the idea for auto-pilot cars has been around for a while – back to the 1950s and 1960s. He showed

advertisements – a 1957 ad for electric vehicles sponsored by an electric company and a 1961 ad for General Motors auto controlled vehicles that allowed them to follow an electromagnetic cable buried in the highway.

Mr. Anderson noted that today, cars sense where they are. He said that Chandler and Google are hot-weather testing autonomous vehicles. Scottsdale is working with Google and General Motors Cruise. Mr. Anderson pointed out that a local firm, Local Motors, builds autonomous transit vehicles and the vehicles are being used in the Washington, D.C. area and there will be another deployment in Las Vegas. He added that Local Motors recently gave a presentation at the MAG Economic Development Committee meeting.

Mr. Anderson stated that the commercial trucking industry is preparing for platooning. He noted the labor shortages and the high costs of labor and fuel have caused the industry to look at options that would increase efficiency and productivity of drivers, and platooning is an option. Mr. Anderson stated that the technology to platoon exists on trucks today, but regulatory relief and testing are needed.

Chair Zuercher asked for clarification of platooning. Mr. Anderson replied that a series of a few trucks goes nose-to-tail down the highway. Technology on the trucks sense there is one driver leading the truck train behind.

Mr. Anderson displayed a graphic of the logos of major corporations that are pouring billions of dollars into this technology. These companies include automobile companies, technology companies, and service companies. Mr. Anderson stated that software technology is proceeding more quickly than many people thought would happen. The big question is not if the technology is going to be incorporated into the fleet, but how quickly.

Mr. Anderson displayed a chart of the five levels (zero to four) of automation. He explained that level zero is no automation, level four is full self-driving automation. We are currently between level one (function specific automation, e.g., automatic braking) and level two (combined function automation). Level three is limited self-driving automation and is estimated to be implemented by 2020. Mr. Anderson said this is the level being utilized by Tesla that requires a driver to be in the driver's seat but the vehicle has the capability to drive itself. He noted that many state regulations require an operator be in the driver's seat. Mr. Anderson stated that level four is 100 percent self-driving autonomous penetration, utopian society, and is still in the future.

Mr. Anderson stated that Boston Consulting Group's analysis shows the sales of partially and fully autonomous cars are projected to surge by 2035 and will represent 25 percent of the global automobile fleet.

Mr. Anderson stated that the Transportation Research Board identified hundreds of questions about automation that need to be addressed in the areas of traffic engineering, roadway design, speed limits, and parking. He said there are also policy questions, such as how to incorporate automation into long range transportation plans, land use and urban form. Will drivers' education and licenses still be needed if cars are automated? Mr. Anderson stated that people might not even

own cars in the future and autonomous cars could make car sharing a more viable option. He indicated that he thought insurance and liability would be a couple of the largest areas to benefit from autonomous vehicles.

Mr. Anderson stated that highway capacity will increase with the implementation of autonomous vehicles, and vehicles will be able to travel closer together at higher speeds. He said that currently, the theoretical capacity of a freeway lane is 2,200 vehicles per hour. With a fully automated fleet, which is many years in the future, some experts feel the capacity could increase five-fold -- to approximately 10,000 vehicles per lane per hour.

Mr. Anderson stated that a survey showed that 81 percent of those in self driving cars would continue to watch the road. He noted that an 80 percent reduction in highway fatalities could occur with autonomous vehicles. This would result in lower auto insurance costs. Mr. Anderson gave as an example an insurance premium of \$1,158 for a Honda Accord today could decrease to a \$232 rate for an autonomous vehicle. Mr. Anderson summarized that there are a lot of implications with autonomous vehicles – more free time, lower expenses, and more freeway capacity without adding lanes.

Chair Zuercher thanked Mr. Anderson for his report and asked if there were questions.

Mr. Dennis Smith stated that at the MAG Economic Development Committee meeting, the representative from Local Motors expressed disappointment that the demo site for its bus, Olli, was on the East Coast. Mr. Smith noted that the representative received many inquiries from the mayors about how their jurisdictions could become a demo or beta testing site. He noted that the Olli buses are all-electric. Mr. Smith mentioned to the managers that their mayor might come to them to discuss becoming a Local Motors test site. Mr. Smith stated that the Local Motors tour was fascinating. He noted that it typically takes approximately seven years to take a new car from design to launch, however, Local Motors indicated its process can start in January and the vehicle is on the street in June.

Mr. Anderson stated that Local Motors has a program called Co-Creative in which anyone can submit suggestions and respond to design challenges issued through their website. He said that they are currently working with Airbus on a cargo delivery drone and asked for ideas. Mr. Anderson stated that winners could receive a stipend. He said they are soliciting creativity from around the world and are receiving a lot of ideas, instead of a couple from a design team. Mr. Anderson stated that Local Motors also utilizes 3-D printing of some of the parts for Olli. He said Local Motors also has a relationship with IBM on high-level systems analyses. Mr. Anderson stated that Olli will recognize repeat customers and will ask where they want to go today. He stated that Local Motors has a very open design system and welcomes people to visit and see how they do things and help them improve. Mr. Anderson expressed that he thought Local Motors is a company that could have significant benefits to the Valley.

Vice Chair Banger asked the types of evaluations being done on this technology and other forms of mass transit. Mr. Anderson replied that there are a lot of different opinions. Some think that the days of public transit are over and will be replaced by car sharing. Some think that

autonomous vehicles provide better access because they provide a better last mile connection. He said you can take your car to a transit stop, send your car home, and board transit. Mr. Anderson stated that there is no consensus on public transportation yet, but he thought there would always be a need for a form of public transportation.

Chair Zuercher noted that autonomous vehicle technology could have implications for Proposition 500 planning.

9. Legislative Update

Mr. Nathan Pryor, MAG staff, provided an update on legislative issues of interest. He first spoke of the federal FY 2016 TIGER Round 8 awards totaling \$500 million nationally. Mr. Pryor stated that no projects in Arizona received a TIGER award in Round 8. He said that the MAG region supported SR-189 and I-15 in the Nogales area to better facilitate freight movement to and from Mexico. Mr. Pryor noted that the Virgin Islands and Guam received awards.

Mr. Pryor stated that a \$54 million FASTLANE grant was awarded to Interstate 10 improvements from Phoenix to Tucson. He extended congratulations to ADOT for securing this grant.

Mr. Pryor stated that MAG received the invoice in excess of \$2.5 million for the administration and collections fee for the Arizona Department of Revenue. He explained that fees resulted from HB 2617 and HB 2708 and are collected from MAG and PAG sales taxes. Mr. Pryor stated that the funds will be taken from MAG's Proposition 400 funds in late September.

10. Request for Future Agenda Items

Topics or issues of interest that the Management Committee would like to have considered for discussion at a future meeting were requested.

No requests were noted.

11. Comments from the Committee

An opportunity was provided for Management Committee members to present a brief summary of current events. The Management Committee is not allowed to propose, discuss, deliberate or take action at the meeting on any matter in the summary, unless the specific matter is properly noticed for legal action.

Mr. Gregory Rose expressed his appreciation to Mr. Nathan Pryor for his assistance in the City's search for a new Intergovernmental Affairs Director. He said that Mr. Pryor was very helpful in identifying the skill set and experience needed.

Dr. Spencer Isom stated that the Arizona Metropolitan Trust recently passed the gavel to the new Chair, Mr. Bryant Powell, and Vice Chair, Mr. David Fitzhugh. He noted that the Trust was formed in 2012 by El Mirage, Youngtown, Avondale, and Apache Junction, and they have since

welcomed Buckeye Valley Fire District, Pinal County, Fountain Hills, and Sun City Fire Department. Dr. Isom explained that the Arizona Metropolitan Trust provides medical, dental, vision, life, and short term disability insurance. He said that the Trust does not accept everyone, so if interested take a look at what they have to offer. Even if a city is self-insured the Arizona Metropolitan Trust might save them some money.

Chair Zuercher noted that the next Management Committee meeting is scheduled for September 14, 2016.

Adjournment

There being no further business, the meeting was adjourned at 1:10 p.m.

Chair

Secretary