

September 11, 2015

TO: Members of the MAG Transportation Safety Committee

FROM: Renate Ehm, City of Mesa, Chair

SUBJECT: MEETING NOTIFICATION AND TRANSMITTAL OF TENTATIVE AGENDA

Tuesday, September 22, 2015 - 9:30 a.m.
MAG Office Building, 2nd Floor, Ironwood Room
302 North First Avenue, Phoenix

A meeting of the MAG Transportation Safety Committee will be held at the time and place noted above. Committee members or their proxies may attend **in person, via videoconference or by telephone conference call**. Those attending by video conference must notify the MAG site three business days prior to the meeting. Those attending by telephone conference call please contact MAG offices for conference call instructions.

Please park in the garage under the MAG building, bring your ticket, parking will be validated. For those using transit, Valley Metro/RPTA will provide transit tickets for your trip. For those using bicycles, please lock your bicycle in the bike rack in the garage.

In 1996, the Regional Council approved a simple majority quorum for all MAG advisory committees. If the Transportation Safety Committee does not meet the quorum requirement, members who have arrived at the meeting will be instructed a legal meeting cannot occur and subsequently be dismissed. Your attendance at the meeting is strongly encouraged.

Pursuant to Title II of the Americans with Disabilities Act (ADA), MAG does not discriminate on the basis of disability in admissions to or participation in its public meetings. Persons with a disability may request a reasonable accommodation, such as a sign language interpreter, by contacting Jason Stephens at the MAG office. Requests should be made as early as possible to allow time to arrange the accommodation.

If you have any questions regarding the meeting, please contact Sarath Joshua at (602) 254-6300.

TENTATIVE AGENDA

COMMITTEE ACTION REQUESTED

1. Call To Order

For the September 22, 2015 meeting, the quorum requirement is 10 committee members.

2. Approval of July 21, 2015 Meeting Minutes

3. Call to Audience

An opportunity will be provided to members of the public to address the Transportation Safety Committee on items not scheduled on the agenda that fall under the jurisdiction of MAG, or on items on the agenda for discussion but not for action. Members of the public will be requested not to exceed a three minute time period for their comments. A total of 15 minutes will be provided for the Call to the Audience agenda item, unless members request an exception to this limit. Please note that those wishing to comment on action agenda items will be given an opportunity at the time the item is heard.

4. Program Managers Report

The following items will be addressed:

- Road Safety Assessment Program
- City of Avondale's Strategic Transportation Safety Plan
- Approved Road Safety (HSIP) projects in FY2016 through FY2018
- Approved Safe Routes to School (TA) projects in FY2016 and 2017
- Nominations for Chair and Vice Chair
- FHWA Systemic Safety Implementation Peer Exchange

5. Strategic Transportation Safety Plan 2016-2025

In July 2013 a study was initiated to develop a comprehensive update to the 2005 MAG Strategic Transportation Safety Plan (Plan or STSP). A goal of this Plan is to enable MAG

2. Review and approve minutes of the meeting held on July 21, 2015.

3. For information.

4. For information and discussion.

5. For information, discussion, and possible action to recommend approval of the MAG Strategic Transportation Plan 2016-2025.

leverage all available resources and address the region's road safety challenges. A consultant team lead by Lee Engineering LLC provided technical assistance in the development of the STSP, with oversight by the committee as well as a broader stakeholder group. The consultant team delivered the Draft Plan in March 2015.

A section of the Plan addressed implementation issues and provided estimated costs associated with recommended road safety strategies in the Plan that would enable the MAG region to reach the road safety target, adopted from the state's Safety Plan. This target aims to reduce fatal and serious injuries in the region by 3 to 7 percent by 2018, in comparison to the base year 2013.

The annualized cost to implement the Plan was estimated at \$7.8 million per year, which reflected a significant funding gap considering funds available for road safety improvements in the region. In April 2015, the Plan was presented and input and direction for funding was sought from the Transportation Policy Committee and Regional Council.

The following direction was provided by Regional Council:

1. Enter into discussions with ADOT to explore the possibility of an increase to HSIP sub-allocation to the MAG region by at least an additional \$3 million annually, and
2. Work cooperatively with ADOT in demonstrating how such an increased MAG allocation would assist ADOT and the state in meeting the road safety targets and performance measure requirements established in MAP-21.

In May 2015, ADOT announced a new HSIP process that has eliminated all sub-allocation starting in FY2019. MAG staff has met with ADOT and obtained clarifications on the new process. The Draft Plan has since been revised to be consistent with the new ADOT HSIP process and guidance. MAG staff will provide

a brief presentation on the Revised Draft Plan, which has been made available to the committee for review.

6. Multi-modal Level Of Service Study (MMLOS)

Neighborhoods that are walkable and bikable have been shown to benefit from increased property values, decreased injury crashes, and higher retail sales. MAG is conducting an MMLOS study to identify how street design and operations meet the needs of all modes of travel by presenting a segment-based A to F score. The study deliverables will include an active propensity model to help guide decision-makers with infrastructure investments, an analysis of the MMLOS tool on pilot sites in the MAG region. Two workshops will be provided to train member agency staff on the concepts and tools being developed. The first workshop will be held on October 13 from 8:30 a.m. to 12:30 p.m. at the MAG offices and all member agency staff are invited to participate. A MMLOS Study update will be presented by Alice Chen from MAG. Please refer to Attachment One for additional information.

7. Corridor Safety Plan Pilot Project

The FY2015 MAG work program included a project to perform a Corridor Safety Plan Pilot Project, recommended by the committee, for the Indian School Road corridor from 51st Avenue to 75th Avenue. The Corridor Safety Assessment (CSA) team has completed all field reviews for all four segments of the corridor. The consultant team has developed the Draft CSP based on the recommendations of the CSA team, corridor observations, and crash analysis. The Draft was made available for review and comment by the Committee prior to the meeting. The Committee will discuss the Draft Plan and provide input on finalizing the document prior to final delivery to MAG and the City of Phoenix on October 1, 2015.

6. For information and discussion

7. For information and discussion.

8. Reports by Committee Members on Transportation Safety Activities

Members will be requested to report agency activities or current issues that are related to transportation safety.

9. Request for Future Agenda Items

Members will be provided the opportunity to suggest future agenda topics.

10. Next Meetings

The next scheduled Transportation Safety Committee meeting is scheduled to be held on Tuesday, November 17, 2015 at 10:00 a.m in the MAG Cholla Room.

11. Adjournment

8. For information and discussion.

9. For information and discussion.

10. For information and discussion

DRAFT MINUTES OF
MARICOPA ASSOCIATION OF GOVERNMENTS
TRANSPORTATION SAFETY COMMITTEE MEETING

July 21, 2015
Maricopa Association of Governments
Ironwood Room, Suite 200
302 N. 1st Ave,
Phoenix, AZ 85003

MEMBERS ATTENDING

- * Cristy Robinson, AAA Arizona
- * Tom Burch, AARP
- * Kohinoor Kar, ADOT
Shane Kiesow, City of Apache Junction
- * Robert Gray, ASU
Dana Alvidrez, City of Avondale
- * Vacant, City of Buckeye
Hong Huo for Martin Johnson,
City of Chandler
- * Bob Senita, City of El Mirage
Kelly LaRosa, FHWA
Leslie Bubke for Erik Guderian,
Town of Gilbert
Kiran Guntupalli, City of Glendale
- * Alberto Gutier, GOHS
- # Hugh Bigalk, City of Goodyear
Mike Gillespie for Woodrow Scoutten,
Litchfield Park
Mazen Muradvich for Nicolaas Swart,
Maricopa County
Renate Ehm (Chair), City of Mesa
- * Jeremy Knapp, Town of Paradise Valley
- # Mannar Tamirisa for Jamal Rahimi,
City of Peoria
- * Kerry Wilcoxon, City of Phoenix
- # George Williams, City of Scottsdale
Dana Owsiany, City of Surprise
Julian Dresang, City of Tempe
Sam Diggins for Adrian Ruiz, RPTA

OTHERS PRESENT

- Sarath Joshua, MAG
- Margaret Boone, MAG
- Eric Nava, MAG
- Micah Henry, MAG
- Steve Tate, MAG
- Mike Sabatini, Michael Baker
- Doug McCants, Harrocks
- Martin Lucero, City of Surprise
- Stephen Chang, City of Surprise
- Andrew Kwasniack, Tatum Group
- Eric Boyles, ADOT LPA
- Anita Johari, ASJ
- Aaron Williams, FHWA

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

1. Call to Order

Chair Renate Ehm called the meeting to order at 9:30 a.m.

2. Approval of May 26, 2015 Meeting Minutes

Chair Renate Ehm called for a motion to approve the May 26, 2015 meeting minutes. Shane Kiesow made a motion to approve, Dana Alvidrez seconded and the motion passed unanimously.

3. Call to Audience

Chair Renate Ehm made a call to the audience providing an opportunity to members of the public to address the Transportation Safety Committee. None requested.

4. Program Manager's Report

- Strategic Transportation Safety Plan update: Sarath Joshua provided an update on the status of the MAG Strategic Transportation Plan; the work has been completed by the consultant with exception of the implementation part of the plan which indicated a funding shortfall. MAG has been directed by the Regional Council to coordinate with ADOT on a strategy to fund the implantation shortfall. During that process, ADOT rolled out new HSIP guidelines which will affect how HSIP is allocated to the region. MAG is scheduled to meet with ADOT in August to discuss how MAG can help meet the State and regional goals. The next step will be to revise the implementation plan based on the input and clarifications provided by ADOT. The draft final plan will be brought back to the committee in September for recommendation and then it will go through the rest of the MAG approval process for final approval by Regional Council.
- 2015 Crossing Guard Workshops: Margaret Boone stated that the three annual workshops will be held on July 30th at Washington High School in Phoenix, August 3rd at the Mesa Convention Center and on August 6th at the Rio Vista Community Center in Peoria. Ms. Boone noted that that a Spanish version of the “*Guardians of the Future*” video will be made available on the MAG webpage along with the new English version. Ms. Boone also recognized the efforts of staff from Gilbert, Glendale, Phoenix, Peoria, Mesa, Scottsdale, and Tempe.
- Safety Evaluation Criteria for TIP Projects: Sarath Joshua provided a report on the status of including safety criteria for all TIP project evaluations. This was a practice that was included in the STSP as a way to include road safety considerations in all project programmed in the TIP. Margaret Boone added that this work is a product of a lot of hard work done by local agency staff who volunteered to participate in working groups during this several month's process. Ms. Boone provided a handout and discussed the Bicycle and Pedestrian evaluation criteria which were presented to that committee on June 16th. Based on feedback from the Bike and Ped Committee, the working group met to refine and simplify the evaluation criteria. This working group included members of the Bike and Ped Committee. The revised matrix will go back to the Bike and Ped committee for discussion and inclusion in the CMAQ and TAP project application package for the upcoming August call for projects. A similar effort has been completed with the ITS committee. Representatives from Goodyear, Surprise, and Gilbert participated in a working group that came to a consensus on a contribution to safety for each ITS project type already identified as priorities in the MAG ITS Strategic Plan. This contribution to safety score will be determined by the

- ITS Committee evaluator which will be normalized to a hundred point scale producing a safety score. The safety score will be added to the overall evaluation sheet with the CMAQ required Air Quality score and the Congestion Mitigation score and aggregated to a final project ranking. This ranking scheme will be discussed at the next ITS committee regarding how to apply weights to the three scores before finalization and incorporation into the CMAQ ITS project application package. Sarath Joshua noted that working group contributions for this simplified method of applying a “contribution to safety” to the ITS projects will be more evident during the project application evaluation phase by each committee.
- Application of SPFs for Evaluating Integrated Corridor Management: Sarath Joshua provided a brief background on Integrated Corridor Management in the region. These are efforts to provide strategies for ADOT and DPS in coordination with local agencies to more efficiently re-route traffic onto parallel arterials during freeway incidents. MAG has been awarded grant funding to develop ICM strategies for I-10 as a pilot project. In addition, there have been parallel efforts by ADOT to identify safety performance functions for freeways in the MAG region, specifically for the I-10 between Sky Harbor Boulevard and 67th Avenue. Mr. Joshua noted that there may be a good chance that these combined efforts will assist with identifying a link between ITS/Operations and safety. It has been suggested that the scope of work being developed for the ICM pilot include identification of the safety outcome of these projects in the form of safety performance functions. Mr. Joshua noted that this was brought to the committee to find out what level of support there is for this idea of developing safety performance functions to evaluate the safety enhancements of operation improvement strategies for the I-10 from the I-17 transition to the west. This can be done without requiring any additional funding. Mr. Joshua stated that his opinion of the cost would be about twenty to thirty thousand dollars since methods already developed by the ADOT SPF study could be utilized for this effort. The next step would be to have the additional scope approved by FHWA.
 - Corridor Safety Plan Pilot Project – Update: Margaret Boone provided an update noting that this pilot project was recommended by the committee with the support of the City of Phoenix to develop a Safety Plan for the corridor of Indian School Road from 51st Avenue to 75th Avenue. This included conducting road safety assessments for the corridor divided into five segments, developing recommendations for road safety improvements and initiatives corridor wide, and then compiling the recommendations into a corridor safety plan, the format for which could be used by other agencies in the future. Ms. Boone noted that all the field reviews had been conducted and that the consultant team lead by Michael Baker had delivered a draft plan for review by the Safety Committee providing oversight for the project. There was a request for committee members to forward any comments to MAG staff by July 30th. The draft final plan would be brought back to the committee at the September meeting for finalization and delivery to the City of Phoenix by October 1st.
 - RTSIMS User’s Manual: Sarath noted that the User’s Manual should be completed by the end of August. Once this manual is complete, MAG will be able to provide access to local agencies wanting to access the software online provided that the agency has a current data access agreement with ADOT.
 - Systemic Safety Implementation Peer Exchange: Sarath Joshua invited FHWA to report on this item. Aaron Williams from FHWA reported that MAG will be hosting a peer exchange to discuss systemic safety initiatives to be attended by members of

nine states including staff from FHWA headquarters. Mr. Williams noted that the peer exchange is at capacity but anyone interested in attending can contact him or Kelly LaRosa to be placed on a waiting list. The Peer Exchange will be all day September 23rd and 24th in the MAG Ironwood room with two breakout sessions in additional conference rooms. This is part of the FHWA Every Day Counts initiative.

5. Safe Routes to School Non-Infrastructure Projects

Chair Renate Ehm requested that Sarath Joshua report on this item. Sarath Joshua stated that the call for projects resulted in six project applications requesting a total amount of \$305,650 for FY 2016 towards an amount available of \$400,000 and an amount of \$50,000 requested for FY 2017 requested towards an amount available of \$463,707. The committee has reviewed and evaluated applications based on the presentations heard at the June 16th meeting. A Committee recommendation is required to approve the list of projects. Margaret Boone referred the committee to the attachment provided in the agenda packet. This item will go to the TRC on July 23rd and then to Management and Regional Council in August. Ms. Boone noted that the committee's consensus at the June meeting was to forward the amount remaining available in FY 2016 of \$94,350 and issue a second call for FY 2017 for a combined amount available of \$508,057. It was also requested by members of the committee that this second call be issued soon after the new school year starts in August. This call for projects will align with the larger TIP application call for projects to be issued on August 10th. Leslie Bubke inquired as to if these funds will be for infrastructure projects. Ms. Boone clarified that these funds would be for the TA non-infrastructure SRTS projects: Priority One, SRTS studies and Priority Two, SRTS Support Activity projects. Sarath Joshua also noted that looking at 2017 there is only one project programmed in 2017 and that if projects cannot be programmed these funds could be swept to the TA Infrastructure projects. Renate Ehm requested a motion to **recommend the list of projects to include two Support Activity projects and four Studies projects in the amount of \$305,650 in FY 2016 and \$50,000 in FY 2017.** Leslie Bubke made a motion, Shane Kiesow seconded, and the recommendation passed unanimously.

6. Programming of MAG-HSIP Funds for Road Safety Projects

Sarath Joshua stated that MAG has reached the final phases of programming the MAG HSIP suballocation available in the amount of \$323,000 in FY 2016, \$257,054 in FY 2017 and the entire suballocation of \$1.9 million available in FY 2018. FY 2018 will be the last available MAG suballocation to be programmed before the state transitions to a statewide HSIP program in FY 2019 for projects to complete statewide for the States allocation from the federal government. In 2019 there will be no suballocation of HSIP funds to any Arizona COG or MPO. Three agencies submitted project applications to MAG for pre-review by ADOT. Two projects from Apache Junction were withdrawn by the agency due to elements determined to be ineligible during the ADOT pre-review. Mr. Joshua requested that the two local agencies provide a brief presentation on the three remaining projects. Kiran Guntupalli from the City of Glendale provided the committee details on their application for the installation of Flashing Yellow Arrows and another for installation of emergency pre-emption at priority locations. Mannar Tamirisa asked how many intersections and how many fatalities. Mr. Guntupalli noted that twelve intersections in phase one are being proposed and there are left turn fatalities at two locations and about nineteen serious injury crashes system wide. The City of Glendale has an in-house project to install flashing yellow arrows. The cost is to install at all locations

and the cost benefit ratio was calculated on all locations. Leslie Bubke inquired as to how the crash modification factors were applied. Mr. Guntupalli indicated that the CMFs for left turn crashes for the flashing yellow arrows and the ALL crash CMFs were applied to the 3-inch retroreflective backplates. Kelly LaRosa asked for more detail on how the project would be phased. Mr. Guntupalli provided the phasing details and then provided details on Glendale's second application; Emergency Vehicle Pre-emption system wide, as a City Management and Council priority to reduce response times and increase safety. Julian Dresang from the City of Tempe provided information on the City's application for spot safety improvements at Rural Road and Southern Avenue. Shane Kiesow asked if for the locations that border the City of Peoria there will be an IGA or mutual agreement with responders. Mr. Guntupalli stated that these agreements are already in place. Mazen Muradvich asked if there is a breakdown of what each location costs. Mr. Guntupalli stated that the cost is approximately \$5500 to \$6000 per intersection, that existing conduits will be used, and also that City staff will do the installation. Leslie Bubke noted that this type of project is also included in ITS project types and asked for the rationale for choosing the HSIP funding source. Mr. Guntupalli stated that the HSIP call for projects was chosen because it was issued prior to the CMAQ ITS call for projects and that if they are unsuccessful in this proposal they may consider applying for the ITS funding source. Sarath Joshua added that this is a good example of projects that cross over from operations into safety due to the benefits in operations and increased safety since they may be heading to a crash site and the response times have an effect on if a person lives or dies. For many years Emergency Vehicle Pre-emption projects have been on a recommended project list with FHWA. Kelly LaRosa stated that Emergency Vehicle Pre-emption is listed as an eligible activity under the HSIP program, however it still a data driven program and the projects that are proposed still have to demonstrate that they will have a reduction in serious injuries and fatalities. Kiran Guntupalli stated that there is documented proof that the decrease in response times will increase the chance to reduce the severity of crashes and asked if this difference in response times is demonstrated then shouldn't this be acceptable argument or is a dollar benefit that has to be demonstrated and that the known reduction in severity. Ms. LaRosa stated that this is good information to have in the application since there are no countermeasures in the CMF clearinghouse. The justification could include data other than crash data and the response time documentation would be good to include in the application. Julian Dresang presented detail on the Tempe application for spot safety improvements at the intersection of Rural Road and Southern Avenue. The spot safety improvements included in this application is based on recommendations of an RSA previously conducted as well as a PA developed for those recommendations. This location has consistently ranked high on Tempe's high crash risk locations as well as on the MAG Top 100 list of high crash risk locations. Sarath Joshua referred the handout for the amounts being requested for this cycle of HSIP funding, that there will be an amount of \$86,859 in FY 2016, a negative balance of \$26,501 in FY 2016 which will be borrowed from 2018 to fully spend the funds for FY 2017 and FY 2018 with the proposed list of projects for recommendation of approval by the committee. The applications will be submitted to ADOT by MAG by the July 31st deadline. Renate Ehm requested a motion to **recommend approval of the list of three safety projects with available MAG HSIP funds in FY 2016-2018**. Shane Kiesow made a motion, Dana Alvidrez seconded, and the motion passed unanimously.

7. Project Initiation Pool

Chair Renate Ehm noted that Steve Tate would present this item for information and discussion. Mr. Tate introduced a new funding program to be kicked off in October called the project initiation pool. This program would provide local agencies with funding towards administration costs to get the IGA process started with ADOT and thereby reducing the risk of losing the funding due to delays in project start up. To be eligible, local agencies must have not yet started the process. The amount available is \$2,829 with a local match of \$171 on a first come, first served basis and would require: a signed letter agreement with ADOT, the check for the local match, project information, and that the project construction and procurement is listed in the MAG TIP. This is a pilot program is proposed for three years, but Mr. Tate anticipates this will be a permanent program. Handouts were provided; the letter agreement with ADOT and a list of eligible and ineligible projects. Questions and comments can be forwarded to Mr. Tate until the beginning of August. Sarath Joshua asked if local agencies can apply for this grant to initiate the IGA process does this link to a program year or can you do it for the next cycle. Mr. Tate stated that two to three years out would be appropriate

8. Reports by Committee Members on Transportation Safety Activities

Chair Renate Ehm requested reports from committee members on transportation safety related activities at local agencies. Leslie Bubke noted that Gilbert has a pilot project at Higley and Pecos for improving sight distance for left turn opposing traffic at a north bound protected only dual left turn whereby they will double serve the leading and lagging left turn arrow. Renate Ehm reported that the City of Mesa is currently constructing their first RRFB on Center an 10th Avenue as a result of a SRTS study conducted. The RRBF will be operational before the first day of school. In addition, the City of Mesa they will be installing their first HAWK at an intersection; Alma School and 7th Street to increase safety for students from two schools having to cross multiple lanes. Sam Diggins from Valley Metro reported on the pedestrian safety countermeasures currently being installed at the 19th Avenue and Montebello light rail platform. Julian Dresang reported that there is a paving project on McClintock to repave and restripe which will result in reducing this six lane with two way left turn lane section to four lanes with buffered bike lanes. The City of Tempe will be monitoring this new section to determine what effect this will have on the bike crashes they have seen historically.

9. Request for Future Agenda Items

Chair Renate Ehm deferred this item to the next meeting unless any objections were heard. None heard.

10. Next Meeting

Chair Renate Ehm stated that the next regular meeting is scheduled for Tuesday, September 22, 2015 at 10:00 a.m. in the Ironwood Room.

11. Adjournment

Chair Renate Ehm adjourned the meeting at 10:48 a.m.

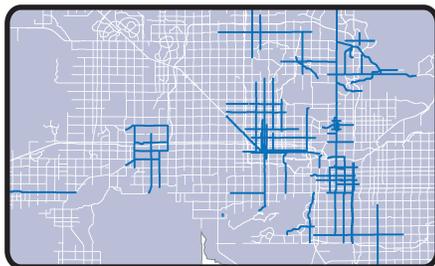
REGIONAL COMPLETE STREETS PLANNING WORKSHOP #1

Featuring the Multimodal Level of Service Tool

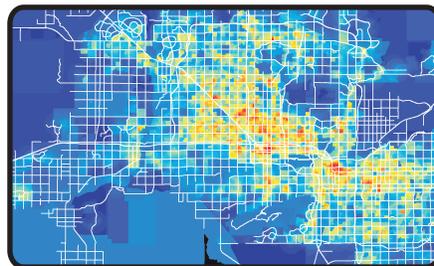
You and your agency staff are invited to a planning workshop to learn about the use of the Multimodal Level of Service (MMLoS) Analyses Tool.

Please join our planning session to:

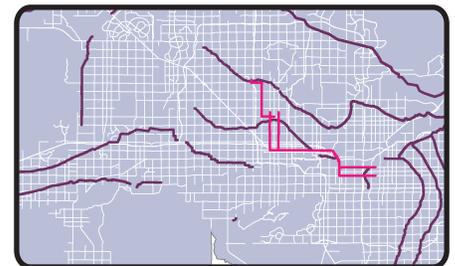
- See our draft map of corridors in YOUR CITY that have the highest potential for “Complete Streets” improvements!
- Discuss the latest in economic benefits of establishing more walkable and bikeable neighborhoods.
- See an introduction to the MMLoS tool and how member agencies will be able to use the final tool.
- Help us to finalize the MMLoS pilot study sites.



*Currently Adopted
Complete Streets Corridors*



*High Active Transportation
Propensity in the MAG Region*



*Existing/Planned Multimodal
Support Features (Canals & LRT)*

WHEN:

TUESDAY

OCTOBER 13

8:30AM - 12:30PM

WHERE:

MAG OFFICES

SAGUARO ROOM, 2nd FLOOR

302 NORTH 1st AVENUE

PHOENIX, AZ 85003

Parking will be validated
Breakfast will be provided

Please RSVP by October 6, 2015 to:

Alice Chen
AChen@azmag.gov
(602) 254-6300