

MEETING MINUTES FROM THE  
MARICOPA ASSOCIATION OF GOVERNMENTS  
STANDARD SPECIFICATIONS AND DETAILS COMMITTEE

April 6, 2011

Maricopa Association of Governments Office, Cholla Room  
302 North First Avenue  
Phoenix, Arizona

AGENCY MEMBERS

Jim Badowich, Avondale	Mike Samer, Mesa
Craig Sharp, Buckeye (proxy)	* Jesse Gonzales, Peoria
Warren White, Chandler	Syd Anderson, Phoenix (St. Trans.)
* Dave Emon, El Mirage	Jami Erickson, Phoenix (Water)
Greg Crossman, Gilbert	Marc Palichuk, Queen Creek
Mark Ivanich, Glendale (proxy)	* Rodney Ramos, Scottsdale
Troy Tobiasson, Goodyear, Chair	Jason Mahkovtz, Surprise
Bob Herz, MCDOT	Tom Wilhite, Tempe, Vice Chair

ADVISORY MEMBERS

* John Ashley, ACA	Jeff Hearne, ARPA
Jeff Benedict, AGC	Peter Kandararis, SRP
Tony Braun, NUCA	Paul R. Nebeker, Independent
* Kwigs Bowen, NUCA	Mike Smith, ARPA
Brian Gallimore, AGC	

MAG ADMINISTRATIVE STAFF

Gordon Tyus

\* Members not attending or represented by proxy.

GUESTS/VISITORS

Doug Berg, Prensco  
Dale Bodiya, Maricopa County Environmental Services  
Jacob Foster, Stronggo  
Michael Hook, American Concrete Pipe Association  
Charles Moses, Jensen Precast  
John Paul Reis, Sunbelts Asphalt  
Niranjan Vescio, Stronggo

1. Call to Order

Chairman Troy Tobiasson called the meeting to order at 1:30 p.m. The chair also announced that he received a call from John Ashley who explained that the ACA was no longer being funded, so he would not be able to represent that organization on the committee. Mr. Tobiasson said he hoped Mr. Ashley would be able to actively participate in the future.

2. Call to the Audience

John-Paul Reis of Sunbelts Asphalt stated that he was taking over for Jerre Mills, and that he was willing to help on the Asphalt Working Group. Doug Berg, who has provided support to the committee in the past, said that after a year away he has returned to Arizona.

3. Approval of Minutes

The members reviewed the March 2, 2011 meeting minutes. Chairman Tobiasson noted that Marc Palichuk did attend last month's meeting and this correction would be noted. Tom Wilhite introduced a motion to accept the minutes as corrected. Marc Palichuk seconded the motion. A voice vote of all ayes and no nays was recorded.

**Review of 2010 and 2011 Cases**

4. Case 10-05 – Revise FOREWORD

*Clarify use of the MAG Specifications and Details for Public Works document.* Sponsor Jesse Gonzalez was not present to provide an update. No additional comments were received.

5. Case 10-08 – Revise Section 717 Asphalt Rubber

*Revise Section 717 ASPHALT-RUBBER to obtain a uniform specification.* Bob Herz responded to last month's comments about eliminating the maximum rubber content. He said that MCDOT did not agree to this proposal. He asked for a meeting to be set up with AGC and others to discuss the issue. Jeff Benedict said the Asphalt Working Group is planning a meeting to work on this case.

6. Case 10-12 – New Section 361 – Shallow Depth Fiber Optic Micro-Conduit Installation

*Provide specifications for the installation of underground fiber optic micro-conduit telecommunications facilities within the public right-of-way.* Sponsor Rod Ramos not present to provide an update. No additional comments were received.

7. Case 11-01: Miscellaneous Corrections

- a. **Case 11-01A – Correct the formula in Table 711-1.** No new comments provided.
- b. **Case 11-01B –Correct Percentage in Table 705-1.** No new comments provided.
- c. **Case 11-01C –Correct reference in Detail 12.** Bob Herz provided another case to change the reference in Detail 212 from Section 335 to Section 355.

8. Case 11-02 – Safety Edge Detail

*Add an Asphalt Pavement Safety Edge option to Detail 201.* Bob Herz provided a handout with a new specification *321.8.8 Safety Edge*. It provides a methodology to construct the safety edge option shown in Detail 201, which addresses concerns from AGC about edge compaction. Troy Tobiasson relayed a message from John Ashley regarding a ribbon curbs and maintenance issues. Mr. Herz responded that maintenance issues can be corrected through design changes. Peter Kandaris suggested adding references to this new section on the detail notes. Mr. Herz agreed that it was a good idea and also said that he would be updating the detail title. Mr. Herz also responded to a question about when the safety edge was required. He said they typically would be used when the roadway was designed for 40 mph or higher speeds, but that when to use it is a design issue, not a construction specification. Paul Nebeker asked if they should build a test road before adding it to MAG. Jeff Benedict said ADOT has been using a safety edge on several projects already. He also noted that this would necessitate changes to mill and fill requirements. Brian Gallimore said he has literature on how the construction is done, and will make it available.

9. Case 11-03 – Replace Cadmium Plated Bolts.

*Replace cadmium plated bolts referenced in Section 610.13 with zinc plated bolts as described in ASTM-B633.* Sponsor Jesse Gonzalez was not present to provide an update. No additional comments were received.

10. Case 11-04 – Deletion of Detail 190, Rock Correction Procedure

*Replace reference to MAG Detail 190 in MAG Section 301. Delete MAG Detail 190.* Peter Kandaris presented an update to this case that changed the rock correction procedures from referencing ASTM D4718 standards to ARIZ 227c which is the standard used for density determination in Arizona. A copy of ARIZ 227c was also provided. Bob Herz stated that Maricopa County is still reviewing this case, but he believed the county wanted to keep Detail 190. He requested that a vote be postponed until he had a chance to meet with county reviewers. Mike Smith said the City of Phoenix tech certification requirements use ARIZ

227c as the test procedure, so if other agencies are having rock corrections done by these certified technicians, they are likely already using ARIZ 227c. Mr. Kandaris agreed to wait a couple months before submitting the case for a vote.

#### 11. Case 11-05 – Deletion of MAG Section 225, Watering

*Move MAG Section 225, Water Requirements into MAG Section 104.1.3.* Bob Herz provided comments on the case. He asked to change the last sentence of subsection *104.1.3 Water Supply* so that “price bid” be changed to “proposal price” and to strike the end of the sentence removing, “unless otherwise provided for in the special provisions or proposal” since this is already covered elsewhere in Section 104. He also noted that a reference to the watering section in Section 311.2 needed to change to refer to 104.1.3. Mr. Herz also requested that all but the first sentence of the last paragraph in Section 104.1.1 be deleted as it was already covered within Section 107.9 under property restoration. Mr. Kandaris agreed to make the necessary changes for the next draft.

#### 12. Case 11-06 – Deletion of Out of Date MAG Standards

*Remove sections and details that are no longer used or refer to outdated technologies.* Scott Zipprich was not present to provide an update, however his proxy, Craig Sharp, said that they were continuing to work on revising the case, and were considering adding other specifications and details to the list.

#### 13. Proposed New Cases

No new cases were proposed.

#### 14. Potential Cases

Warren White continued a group discussion on the need for ADA compliant ramp details. He said he had met with experts at his agency to discuss potential updates to ramp details. Mr. White said he was told that the single ramp detail was ADA compliant for wheelchairs, but that there were some questions about way finding requirements for blind pedestrians. He also discussed the possibility of adding dual ramps as an option. There were also questions about when the agencies’ ADA transition plans needed to be updated. Mr. White received recommendations to review details *252 Bus Bay* and *250-2 Driveway Entrance* for ADA related updates. Bob Herz suggested Details 260 and 261 also be reviewed for ADA compliance. Chair Tobiasson asked if anyone wanted to take these on as cases. Warren White said he would continue to review them.

## 15. Working Group Reports

### a. **Specifications and Details Outside the Right-of-Way Working Group**

Peter Kandaris gave an update on the Outside Right-of-Way Working Group. The group last met on March 22, 2011. The group discussed two details (201 and 205) that were submitted for a MAG case. The group will work on reviewing draft onsite cases, and begin adding information from vendors and agency supplements that are appropriate such as Chandler's underground storage details. The group began to look at updates to the MAG specifications and details not assigned to other groups such as the chain link fence, speed humps and guard rails. Bob Herz stated Maricopa County has guard rail details in their supplement; however, the wood posts did not pass new test requirements so they will need to be updated. Peter Kandaris said the MAG details are even more outdated, and suggested that they be removed and reference ADOT standards, or if Maricopa County updates their details, MAG could use them. Another detail under review was the speed hump. Mr. Kandaris said more options could be added to reduce agency supplements. Mr. Herz said the markings need to be updated. Mr. Kandaris said speed tables could also be added. He also noted most chain link fences are taller than the six foot fence shown in the MAG details. Members said planning rules in jurisdictions often dictate height and types of fences. Finally, other options for street sign bases, and whether *Detail 202 Alley Details* should be removed were discussed. The next meeting is scheduled for April 27, 2011 from 1:30 to 3:30 p.m. at the ARPA office conference room.

### b. **Asphalt Working Group**

Jeff Benedict gave an update on the Asphalt Working Group. The group last met on March 22, 2011. Minutes from the meeting were provided in the agenda packet. Mr. Benedict said the group divided up action items among members to review and work on updates based on information provided by the Outside ROW group. A summary of the MAG sections the group will be addressing are shown in the table. He also said the working group is planning a meeting on April 11, 2011 at 11:30 a.m. to review the topic of rubberized asphalt. He invited Bob Herz and other interested members to attend and said he would provide more information soon. The next meeting of the Asphalt Working Group is scheduled for April 13, 2011 at 7:30 a.m. at the Speedie and Associates office.

### c. **Materials Working Group**

Brian Gallimore gave an update on the Materials Working Group. The group last met on March 22, 2011. Notes from the meeting were provided in the agenda packet. Mr. Gallimore said the Materials Working Group followed the Asphalt Working Group so participants could attend both meetings more easily. He summarized information from the last meeting as shown in the meeting notes included in the agenda packet. He also asked for volunteers from the member jurisdictions to participate and contribute to the working groups. Mr. Tobiasson agreed and said city representatives interested in specific topics should be encouraged to attend the working group meetings.

The next meeting of the Materials Working Group is scheduled for April 13, 2011 at 9:00 a.m. at the Speedie and Associates office.

d. **Water/Sewer Issues Working Group**

Jim Badowich provided an update on the Water/Sewer Working Group. The group last met on March 16, 2011. Notes from the meeting were provided in the agenda packet. He said the group reviewed the sections and details provided by the Outside ROW Working Group. It was determined that most of them should be included in both MAG and the OROW manual, and most needed at least some updates. A summary of the comments are shown in the meeting notes included in the agenda packet. He also said there was a pretty good turnout at the meeting and thanked industry participants for providing valuable feedback and information. The items with asterisks on the notes page indicate those of high priority. Some issues of discussion included the use of size on size tapping sleeves, adding a wet barrel fire hydrant detail, and reviewing details for thrust blocks and joint restraints. There was also discussion about creating two separate details for valve box installation and valve box adjustment since they typically are done by separate contractors for different reasons. Mr. Badowich also questioned if the section on grey iron pipe should be removed, and whether *Detail 392 Debris Caps* should be deleted. Jami Erickson said Phoenix uses debris caps, although there is some internal disagreement over their use. Mesa and Goodyear also use them, but all say they have their own supplements. It was suggested that if the MAG detail is not being used, either remove it, or update it based on agencies' details. The next meeting of the Water/Sewer Working Group is scheduled for April 19, 2011 at 1:30 p.m. at the MAG office – Ocotillo room.

e. **Concrete Working Group**

Jeff Hearne said the working group has not scheduled the next meeting yet, but one was being planned. There was a question on what the focus of the working groups were regarding MAG inside vs. outside the right of way specifications should be. It was agreed that the working groups would be providing input and updates for both, but that updates to the MAG book should be a priority since the Outside the Right-of-Way manual would often reference MAG. Members advised that as groups are reviewing sections, it would make sense to note what needed to change for outside the right-of-way use as well, and work on both concurrently when possible. Peter Kandaris said agency supplements that are used outside the right-of-way could be added to the new manual. Mr. Badowich provided the example of backflow preventers, which all agencies use, but are not technically in the right-of-way. Jami Erickson clarified that easements are typically considered part of the right-of-way.

16. Staff Reports

Gordon Tyus said MAG has allocated funding for another year's subscription to the ASTM online service. He encouraged members to use it and spread the word, so there is justification to continue funding the project in the future. He also reminded members that several ASTM references in MAG have been deleted or superseded, and a review of these is necessary to

determine if the new standard is appropriate or if the reference should be deleted or refer to a different standard or specification.

#### 17. Open General Discussion

Tom Wilhite requested that an email summarizing the scope of each working group be prepared and broadcast throughout all the agencies to help inform and recruit volunteers to participate in the working groups on issues of specific interest to them. The email could also include a general agenda of upcoming issues and the date and time of the next meetings. Working group chairs agreed to forward information to Mr. Tobiasson prepare the email notice. It was also noted that the meeting information is posted on the MAG website.

Chair Tobiasson thanked the working group chairs for their updates and said he appreciated the summary notes for each meeting. He also asked if members had any items they wish to put on a future agenda.

Tom Wilhite asked if a discussion about whether to publish a new edition of the MAG document might be added to the next agenda. Mr. Tobiasson said he believed that with all the updates done since the last completely new edition in 1998, and with the major updates in the past few years, a new edition was justified. Mr. Tyus said having a new edition would help clarify updates going forward and solve the problem of inaccurate books that are missing update packets or with pages incorrectly updated. It was suggested that the update packets more clearly note what changes are included on the title page. Mr. Tyus also said that members may want to decide whether a new edition is justified based on the size of this year's update, since buying a whole new book would cost more than a small update packet.

Jami Erickson said because of budget issues, Phoenix downloaded and printed the books rather than buying them this year. Mr. Tyus said that sales of books are way down as more agencies and contractors download the electronic versions. This has had an effect on the funding available to staff the work of this committee He also mentioned that there has been some informal discussions about making the specifications and detail drawings available on the web in different formats that are more easily searchable and accessible, and also the possibility of charging some sort of fee. Members discussed different options for fees and/or electronic subscriptions, and the more widespread use of electronic documentation in general. Mr. Tyus reported that currently MAG does not charge for any electronic documents, and an organizational policy may need to be put in place to address this issue. It could have legal requirements based on public records request laws, and ramifications for having the information more widely distributed and used.

Members agreed to discuss these issues in more depth at the next meeting.

#### 18. Adjournment:

Chairman Tobiasson adjourned the meeting at 3:10 p.m.