

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

January 6, 2016

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

AGENCY MEMBERS

Jim Badowich, Avondale, Chair	Dan Nissen, Peoria
Craig Sharp, Buckeye	* Leticia Vargas, Phoenix (Streets)
Warren White, Chandler, Vice Chair	Jami Erickson, Phoenix (Water)
* Wayne Costa, Florence	Rod Ramos, Scottsdale
Tom Condit, Gilbert	David Mobley, Surprise (proxy)
* Tom Vassallo, Goodyear	Tom Wilhite, Tempe
Bob Herz, MCDOT	* Jonathan Sorrell, Valley Metro
Lance Webb, Mesa	Gregory Arrington, Youngtown

ADVISORY MEMBERS

Don Cornelison, ARPA (proxy)	* Brian Gallimore, AGC
* Greg Groneberg, ARPA	Peter Kandarlis, Independent
Arvid Veidmark, AZUCA	Paul R. Nebeker, Independent
* Tom Brennan, AZUCA	Christina Buckle, SRP (proxy)
Amanda McGennis, AGC (proxy)	

MAG ADMINISTRATIVE STAFF

Gordon Tyus

\* Members not attending or represented by proxy.

GUESTS/VISITORS

Jim Anderson, Olson Precast Arizona  
Jeff Rodgers, SRP

1. Call to Order

Chair Jim Badowich called the meeting to order at 1:32 p.m.

Mr. Badowich announced that he was promoted to chair, and that Warren White has been appointed as Vice Chair. He then presented a certificate of appreciation to former chair Tom Wilhite and thanked him for his service as chair for the previous three years. Mr. Badowich said there were a few new member representatives and asked for them to introduce themselves. David Mobley of Surprise said that he would be their official representative. Don Cornelison said he was filling in for ARPA members Greg Groneberg and Jeff Hearne who were unable to attend. Christina Buckle and Jeff Rodgers of SRP also were in attendance.

Chair Badowich noted that advisory members Paul Nebeker, and SRP's representative missed more meetings than allowed by the MAG bylaws, and would need a letter of interest, sponsorship by agency members, and a vote of the committee to be reinstated. Mr. Nebeker said that his schedule should allow him to attend more consistently this year. Ms. Buckle said SRP would like to continue to be represented and said they are planning to nominate her with Mr. Rogers as an alternate. Mr. Badowich said he would be willing to sponsor them, but an appointment letter is needed before a vote at the next meeting.

2. Call to the Audience

Amanda McGennis noted that Jeff Benedict was no longer able to serve on the committee due to his company transferring him to California. She asked if a certificate recognizing his service could be presented. Chair Badowich agreed that this would be appropriate considering Mr. Benedict's long service on the committee and chair of the asphalt working group. Mr. Tyus said he could create the certificate, and Ms. McGennis said she would send Mr. Tyus updated contact information.

3. Approval of Minutes

The members reviewed the September 2, 2015 meeting minutes. Dan Nissen moved to accept the minutes as written. Bob Herz seconded the motion. A voice vote of all ayes and no nays was recorded.

**Carry Forward 2015 Cases**

4. Case 15-05: Revise Section 616 Reclaimed Water Line Construction and Add New Reclaimed Valve Box Detail.

Warren White handed out an updated version of the case at the meeting. He said the purpose of the case was to provide a square frame option, which is shown in the revised Detail 270-2. Asterisks were placed next to the new changes which included the title revision, and the option to have the cover marked "NONPOTABLE WATER VALVE" as an alternative to "RECLAIMED WATER VALVE." The longer alternate title required the lettering to be ½"

rather than  $\frac{3}{4}$ " high. Mr. Herz asked about the width of the lettering. Mr. White said he was unsure of the exact width, only that it was based on the CAD font fitting the space allowed. He said Detail 270 would become 270-1 and the title changed to add "ROUND" before the frame and cover text. It was also thought that the lettering should be noted as raised  $\frac{1}{16}$ " to match Detail 270-1. Lance Webb asked if the lid should be deeper, such as the round one in 270-1. Mr. White said he didn't think it was necessary, because the square shape made it less likely to rattle and pop out.

Paul Nebeker asked if Nenah Foundry had been contacted. Mr. White said they sent sample detail drawings that were used in developing the draft detail. Mr. Herz asked if the detail should show the round to square transition. Mr. White said that although the details from Nenah were shown this way, the draft detail, and boxes he has seen, go directly from round to a square box sitting on top of it. Paul Nebeker agreed that this was similar to what he saw in the field.

Mr. White also thought Section 616.2 should reference Details 270-1 and 270-2 for frame and covers as shown on the cover page of the case.

There was discussion about the use of round boxes that are painted purple. Comments included that the paint can wear off, and that black pipe is difficult to paint purple. Mr. Nebeker said it typically is painted white first. Jami Erickson said Phoenix uses round boxes, but the lids have a triangle shape on top to help differentiate them. Mr. Kandarlis said the triangle shape is also often used for monitoring wells.

5. Case 15-10: Add Subsection 321.10.5.3 "Rehabilitation Work" into the MAG Specifications.

Sponsor Brian Gallimore was not in attendance so Don Cornelison filled in. He said the case will be taken up at the next Asphalt/Materials Working Group meeting. Mr. Badowich said that Mr. Gallimore had planned to give a presentation on the issue during the meeting. Mr. Cornelison said that he would have to defer the presentation and get it on a future agenda.

6. Case 15-13: Add text to Section 725.6 to Identify what to Include in a Concrete Mix Design Submittal.

Sponsor Jeff Hearne was not in attendance so Don Cornelison said that this case too would be reviewed at the next working group meeting. He said they have done some research on it, and hope to finalize it soon.

## **New Cases for 2016**

7. Case 16-01: Miscellaneous Corrections A.

Bob Herz started the 2016 Miscellaneous Corrections case with a recommended deletion in Table 310-1. The memo states: In Section 310 PLACEMENT AND CONSTRUCTION OF AGGREGATE BASE COURSE, revise Table 310-1 by deleting "or gradation deficiency"

from the Deficiency column for Type IV. His rationale was that gradation deficiency was unrelated to plasticity deficiency and so it was inappropriate to include in this table. He asked the committee if they agreed or disagreed and if they noticed any other changes needed to the table to let him know. Mr. Tyus answered a question about the sponsorship of the corrections case. He said that other corrections can be added to the case, and if they are sponsored by other representatives, they would be added to the list of case sponsors.

8. Case 16-02: Add Section 106.2.1 Certificate of Compliance, add Section 106.2.2 Certificate of Analysis, and modify Section 717.2.1.2 Crumb Rubber.

Bob Herz handed out a new case with the purpose to define the requirements for the certificate of compliance and the certificate of analysis referenced in Section 106.2 and other sections of the MAG specifications, and to modify Section 717.2.1.2 Crumb Rubber to delete references to ADOT specifications for certificates of compliance. The third page of the handout highlights MAG references to “Certificates of Compliance.” Mr. Herz said the added language comes from the current ADOT specifications but has had a little wordsmithing done to adapt it for MAG. Mr. Herz noted that with the requirements for the certificates added into the MAG specs, the ADOT reference would no longer be necessary, which would be more convenient since not everyone has the ADOT document available. He also said that some minor changes to crumb rubber specification in Section 717.2.1.2 have been made.

Jim Badowich asked if the Asphalt Working Group has seen it. Bob Herz said they are welcome to review it, but he is still sponsoring the case. Don Cornelison said he would add it to the agenda for the next working group meeting.

9. Case 16-03: Revision to Detail 251 RETURN TYPE DRIVEWAYS to adjust concrete thickness and concrete class for commercial and industrial driveways to match requirements shown on Detail 250.

Bob Herz introduced a new case with revisions to Detail 251 that would change the concrete thickness from 6” to 9” for commercial and industrial driveways, change the concrete from Class B to Class A for commercial and industrial driveways, and clarify payment limits for curb & gutter and for the driveway. He said this thickness would also match the apron on valley gutters.

He noted that MCDOT uses Detail 250 for residential driveways and Detail 251 for commercial. He asked members if anyone used Detail 251 for residential purposes. If not, he would prefer to remove the residential option. Jim Badowich said he has seen them in the North Valley around Cave Creek. Rod Ramos said Scottsdale has its own supplement, and the detail originally was from Phoenix. Tom Wilhite said they don’t use it for new construction, but reconstruction. Lance Webb said they were used in parts of Mesa. Craig Sharp said Buckeye has a similar driveway using its own detail. Jim Badowich suggested that the residential option be left on the detail; however, he wanted to increase the maximum radius to 20’, which is common in Avondale. Warren White commented on the difficulty of curb ramp placement on this driveway detail.

Bob Herz also included in the handout Details 262 and 263. He asked whether the committee wanted to change the concrete thickness to 9” rather than 6” on these to match other MAG details. He also explained that Detail 262 does not meet the new 4’ minimum width for the walkway route around the alley entrance. He said it would need to be modified similar to what was done on Detail 250-2 to make it ADA compliant if it is still being used. Tom Wilhite said they use Detail 260 for alley entrances where there is limited right-of-way. He said he has seen a depressed roll curb used in Phoenix, which may be another option. Warren White said Chandler has tried different roll curb thicknesses including 2” and 4.” Rod Ramos said that since there were no markups on the handouts it was difficult for the group to focus on proposed revisions. He suggested having a review by the working group first. Jim Badowich said he supports making the thickness 9” to be consistent. Bob Herz said he intends this case to focus only on Detail 251, and that the other changes discussed could be reviewed by working groups and/or presented as future cases.

#### 10. New or Potential Cases.

Tom Wilhite said he is planning to submit a case that modifies the concrete scupper Detail 206. The modification would use curbing instead of a guardrail to delineate the drop-off point of the scupper. They made this modification when implementing a LID project in Tempe. Warren White said they use a railing when the drop is greater than 30.” Mr. Wilhite explained the scupper was flared on both sides. Rod Ramos said they use an offset of 2’ for bicycle safety.

#### 11. Working Group Reports

Chair Badowich asked for reports from the working group chairs.

##### a. **Curb Ramp Working Group**

Warren White said the group met twice since the last committee meeting. The last meeting was on December 14 and the minutes were included in the packet. Also included were draft details for radial and directional curb ramps. He said additional revisions were discussed during the meeting, and he hoped to have them ready to present as a case in March. The next meeting of the working group is planned for Monday, January 25<sup>th</sup>, at 1:30 in the MAG Cottonwood room.

##### b. **Water/Sewer Issues Working Group**

Jim Badowich said he will continue to chair the Water/Sewer Working Group for now. Bob Herz recommended moving it back to the third Tuesday of each month because his schedule will allow him to attend this year, and then it wouldn’t conflict with the Asphalt/Concrete Working Group meetings. Mr. Badowich agreed and set the next meeting for Tuesday, January 19<sup>th</sup>, at 1:30 in the MAG Cottonwood room.

##### c. **Asphalt, Materials and Concrete Working Groups**

Don Cornelison said the next meeting of the Asphalt Working Group is scheduled for Thursday, January 21<sup>st</sup>, at noon. The Materials Group will follow and the Concrete meeting should begin around 1:00 p.m. The meetings will be held in the ARPA office, 916 W Adams Street, Phoenix.

d. **Outside ROW Working Group**

Peter Kandaris said he has found engineers willing to help review specs and details but still needed help drafting the initial specifications. He said he will continue to work via email until he has something to present. Jim Badowich suggested a case on backflow prevention. Ms. Erickson said Phoenix has supplements. Paul Nebeker commented that 12” ones have never been approved for use, and he had to replace them with 10” ones. He also noted that in New Mexico that are still using swing checks. Warren White asked Mr. Kandaris if he wanted them to send him agency details, and Mr. Kandaris said yes.

12. General Discussion

Gordon Tyus told the committee the 2016 update packets have been printed and are available for sale at the same price as previous revisions. The price for the 2015 books in inventory are the same and if purchased would include the 2016 update. He also demonstrated where on the MAG website to download the new 2016 revision to the MAG Specs and Details document. He explained some of the new features including navigating back to the table of contents by clicking on the bottom page number, and hyperlinks added for all ASTM references.

Mr. Tyus explained that he met with representatives from ASTM on December 1, and one of the additions to the ASTM website was permanent links to each ASTM specification. He said he went through the MAG book and added over 470 links to ASTM references. Mr. Tyus showed how if you have the ASTM compass setup on your system it would go directly to the HTML page for the spec and allow you to download the PDF version. If a user does not have the subscription they would be directed to a page where they could buy and download the spec. Another issue discussed with the ASTM representatives was the inclusion of AASHTO specs in the compass portal system. Mr. Tyus asked them to see if a group discount was available to add this option to MAG’s ASTM Compass subscription. He had not heard back at the time of the meeting.

He also noted that there were several ASTM references that were out-of-date, removed, or superseded. A list of them was included in the packet, but he said he also copied several more detailed packets that highlighted where the reference in MAG was, along with the historic ASTM reference or new superseded one. He asked members to review these ASTM references and perhaps develop a case or cases that made the necessary corrections.

13. Future Agenda Items

Chair Badowich asked the committee for any possible future agenda items. None were announced.

14. Adjournment

Seeing no further business, Chair Badowich adjourned the meeting at 3:05 p.m.