

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

September 4, 2013

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

AGENCY MEMBERS

Jim Badowich, Avondale, Vice Chair
Craig Sharp, Buckeye (proxy)
Warren White, Chandler
Antonio Hernandez, El Mirage
Tom Condit, Gilbert
Mark Ivanich, Glendale
Troy Tobiasson, Goodyear
Bob Herz, MCDOT
Bob Draper, Mesa

Dan Nissen, Peoria
Syd Anderson, Phoenix (St. Trans.)
Jami Erickson, Phoenix (Water)
* Rodney Ramos, Scottsdale
Jason Mahkovtz, Surprise
Tom Wilhite, Tempe, Chair
* Harvey Estrada, Valley Metro
Gregory Arrington, Youngtown

ADVISORY MEMBERS

Jeff Benedict, ARPA
Slade Ottney, NUCA
Tony Braun, NUCA
Adrian Green, AGC
Brian Gallimore, AGC

Jeff Hearne, ARPA
Peter Kandarlis, Independent
Paul R. Nebeker, Independent
Jacob Rodriguez, SRP

MAG ADMINISTRATIVE STAFF

Gordon Tyus

* Members not attending or represented by proxy.

GUESTS/VISITORS

Bill Davis, ADS
Art Glover, FCDMC
Mike Hook, ACPA
Troy McGahey, New Horizon Sales
Steve Sutherland, New Horizon Sales
Arvid Veidmark, Specialized Services Co.
Stew Waller, Rinker

1. Call to Order

Chair Tom Wilhite called the meeting to order at 1:30 p.m.

2. Call to the Audience

Chair Wilhite opened the call to the audience. No members of the audience requested to speak.

3. Approval of Minutes

The members reviewed the August 7, 2013 meeting minutes. Dan Nissen introduced a motion to accept the minutes as written. Tom Condit seconded the motion. A voice vote of all ayes and no nays was recorded.

New 2013 Cases

4. Case 13-05: New Section 740 Polypropylene Pipe

Warren White reopened this previously approved case to make corrections that were discovered after it was voted on previously. He noted that the ASTM reference for storm drains was incorrect and was changed to the appropriate AASHTO specification. The ASTM references for sanitary sewer applications were also corrected. A final correction during the meeting changed the “and” to “or” in referencing the ASTM specs for sanitary sewers. Warren White moved to reopen the case and make the corrections as noted. Jami Erickson seconded the motion. A roll call vote was taken. The motion passed: 13 yes, 0 no, 1 abstaining, 2 not present.

5. Case 13-09: Revision to Section 321 Asphalt Penalty Tables

Raise penalties in tables based on City of Mesa supplement. Bob Draper said the final version in the packet had been revised to include committee recommendations from the last meeting. This version was discussed during the last asphalt working group meeting, and had no further changes. Seeing no further comments, Mr. Draper moved to accept Case 13-09 as presented. Bob Herz seconded the motion. A roll call vote was taken. The motion passed: 14 yes, 0 no, 0 abstaining, 2 not present.

6. Case 13-12: Revisions to Section 340: Concrete Curb, Gutter, Sidewalk, Sidewalk Ramps, Driveway and Alley Entrance

Incorporate agency supplements and update Section 340 to current practice. Peter Kandarlis thanked Jeff Hearne and Bob Herz for their assistance drafting the final language and corrections to this case. He said the case was reviewed by the concrete working group and only minor changes were made such as adding section numbers. Seeing no further comments, Mr.

Kandaris moved to accept the case as presented. Jim Badowich seconded the motion. A roll call vote was taken. The motion passed: 14 yes, 0 no, 0 abstaining, 2 not present.

7. Case 13-14: Revisions to Section 711 Paving Asphalt

Revise Section 711 to update AASHTO references and add a new polymer modified section.

Jeff Benedict said after the final version of Section 711 was approved at the last meeting, a few minor corrections were found. These changes were outlined on the case cover memo and included moving the PAV aging temps in table 711-1 as well as its heading, removing the extra test temperature of 25C in table 711-2, and changing the solubility test in table 711-2. Mr. Herz said the new test uses less hazardous materials. Mr. Herz also noted a spelling error of the word “waived” in note 1 after each table. Mr. Benedict moved to reopen the case, make the corrections he described as well as the spelling correction. Bob Draper seconded the motion. A roll call vote was taken. The motion passed: 14 yes, 0 no, 0 abstaining, 2 not present.

8. Case 13-15: Revisions to MAG Sections 603, 615 and 618 for Flexible Pipe.

Update pipe installation requirements to allow for flexible pipe types. Warren White noted a handout was provided that presented a roadmap of the intended direction of the case based on feedback from the committee and working group. One of the decisions was to move all the testing from Sections 615 and 618 into Section 611. Mr. White also said the case includes revisions to Details 200-1 and 200-2 to update the terminology to match ASTM standards. Syd Anderson asked if this would change in the specifications as well. Mr. White said it would, and went on to explain the handout that listed what sections were affected as well as providing definitions for the terms. He said work would continue on this case in the water/sewer working group. Case 13-15 will be carried forward to 2014.

9. Case 13-16: Revision to Section 602; Trenchless Installation of Steel Casing

Retitle and revise Section 602 to match current industry standards. Jim Badowich said revisions were made to the case at the water/sewer working group meeting and additional changes were made this morning. The latest version was provided during the meeting. Changes included clarifying 602.2 for the size of the steel casing for pressurized and gravity pipe applications. He thanked Arvid Veidmark for his assistance developing the case. Bob Herz noted that one of his changes (clarifying the language in Section 602.5) was not included. He provided a copy of an email that outlined the language change. Mr. Veidmark said he misunderstood the request and would accept the change.

Bob Draper asked about the annular fill requirement of pea gravel. Jami Erickson said Phoenix wanted to leave it to be determined by the agency. Mr. Veidmark said ADOT no longer fills the casing to make it easier to remove the pipe if necessary. He said even the railroads are moving to thicker casing and not filling them. Mr. Herz suggested leaving pea gravel as a default since the agencies can specify the type of fill in special provisions. The final discussion item was on PVC conduits for dry utilities. Peter Kandaris said electrical conduits are filled with grout, but other utilities may not be. After some discussion of possible wording it was

decided to change the sentence to read, “The annular space between the casing and the carrier line shall be filled as indicated in the contract documents.”

Jim Badowich moved to accept the case with the final revisions discussed and agreed upon during the meeting. Troy Tobiasson seconded the motion. A roll call vote was taken. The motion passed: 14 yes, 0 no, 0 abstaining, 2 not present.

10. Case 13-19: Revisions to Section 345 - Adjusting Frames, Covers, Valve Boxes, and Water Meter Boxes.

Add the process of lowing and update the section for current practices. Brian Gallimore said the latest version added comments from the last materials working group meeting, where they reviewed the specification line by line and made compromises as needed. Antonio Hernandez asked if it included the steel ring in the collars. Mr. Gallimore said the specification referred to the detail, so if an agency had steel in their supplemental detail it would be used. Jami Erickson asked about the last paragraph of Section 345.2 regarding replacement. Mr. Gallimore said this language was the same as currently in MAG, stating that replacement of items occurs only if noted ahead of time.

Bob Herz asked other members about whether they can locate lowered items with a GPS. Bob Draper said Mesa normally uses tie-outs, but he was okay with GPS as an option. Ms. Erickson said using GPS is fine during final construction, but not necessarily for maintenance. She noted, however, that if there was an emergency, everyone would be at the site. Jim Badowich wanted to make sure the map and documentation was added that showed utility location with swing ties or GPS. There was discussion about the best way to word the third paragraph of Section 345.1, and whether to make it and/or or just or. The thought was to add “map documentation” before “swing ties or GPS locations.” Bob Draper said this could help reduce Mesa’s supplements.

Jim Badowich moved to accept the case with the final revisions discussed and agreed upon during the meeting. Syd Anderson seconded the motion. A roll call vote was taken. The motion passed: 14 yes, 0 no, 0 abstaining, 2 not present.

11. Case 13-21: Create a new Section 742 Pre Cast Manhole Bases. Add detail drawings for construction and installation.

Create a new section and details for pre-cast manhole bases. Craig Sharp said they are updating the current manhole details. He said these details would be further discussed at the working group meeting and said he planned to have them ready for the beginning of next year.

12. Case 13-22: Update Sections 625 and 775 to remove references to the use of bricks in manholes and remove references to manhole steps.

Update Sections 625 Manhole Construction to remove references to the use of bricks and manhole steps. Also remove these references in Section 775 Brick and Concrete Masonry Units. An updated version that corrected some typos was included in the agenda packet.

Additional work on this case as well as Case 13-21 is needed so they will be carried forward to 2014.

13. Case 13-23: Update and Revise Section 309 – Lime Stabilization or Modification of Subgrade.

Clarify use of lime for stabilization and modification purposes. Brain Gallimore said the case was extensively discussed at the last working group meeting, that included a showing a video of the application process. He said the latest version of the case addressed concerns about the safety and handling of lime materials in residential neighborhoods. Bob Herz said there were a few minor formatting corrections he wanted made including the consistent format of ASTM and AASHTO specifications (use of space and hyphens), as well as spelling out the word “and” instead of using the “&” symbol. Bob Draper moved to approve the case with the corrections noted by Mr. Herz. Antonio Hernandez seconded the motion. A roll call vote was taken. The motion passed: 14 yes, 0 no, 0 abstaining, 2 not present.

14. Case 13-24: Update Detail 270 Frame and Cover.

Make the depth of the cover 4”, remove the chain attachment, and make drafting corrections to Detail 270. Bob Herz said there had been no changes to the case in a while. Mr. Hernandez clarified that this case removed the chain from the cover. Seeing no further comment Mr. Herz moved to approve the case as presented. Craig Sharp seconded the motion. Mr. Tyus clarified that the motion included revisions to both Detail 270 and Detail 391-1. A roll call vote was taken. The motion passed: 14 yes, 0 no, 0 abstaining, 2 not present.

15. Case 13-25: Revise Section 729 Expansion Joint Filler.

Delete out of date specifications, and reference current active ASTM standards. Jeff Hearne said no changes have been made since July. He summarized the case as updating the ASTM references to be current. He noted that the updated specification will work along with the sidewalk and concrete paving updates the concrete working group is also reviewing. Seeing no further comments, Bob Herz moved to accept the case as presented. Warren White seconded the motion. A roll call vote was taken. The motion passed: 14 yes, 0 no, 0 abstaining, 2 not present.

16. Working Group Reports

Chair Wilhite asked for the working group reports.

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

The meeting notes from the August 20th meeting were included in the packet. Jim Badowich said there was a good turnout, and he thanked representatives from the concrete and plastic pipe industry for their work the past year. He said there was a lot of discussion on Case 13-15 at the last meeting. He felt things were starting to gel in regrouping the information and expanding Section 611 for testing. He said there will be extensive changes, but they have been needed for a long time. He said there was lots of discussion on the manhole and base details as well.

Bob Herz asked about updating directional boring specs. Mr. Badowich said it was discussed and could be a future item, although they do have their plates pretty full. He also said Rob Godwin from Goodyear will be continuing to work on updating Section 610. The next meeting is planned for September 17th at 1:30 in the MAG office.

b. Asphalt Working Group

Jeff Benedict said the meeting reviewed the items that were voting on during the meeting. He said two possible new items for review next year included:

1. The need for outside right-of-way pavement construction specifications for parking lots.
2. Revisions to Section 321 relating to permits. He said he would like feedback from agencies on how this currently is handled.

He said unless the need arose, the next meeting probably would not be until the beginning of next year.

c. Materials Working Group

Brian Gallimore said the cases they had been working on were just voted on, so they will be looking for new challenges to work on next year.

d. Concrete Working Groups

Jeff Hearne said they will continue to update the Portland Cement Concrete Pavement (PCCP) specifications. He said they would also be looking at pervious concrete for inclusion in the outside right-of-way specs. Mr. Hearne was expecting to get revisions to masonry specifications from industry representatives in this specialty.

e. Outside Right-of-Way Working Group

Peter Kandaris said he met with members before the committee meeting. His goal was to have a draft roadmap of what would be included in the document ready for discussion at the beginning of the year. He said additional work would be done via email with members. He said the outside specs can incorporate existing standards taken from MAG as well as agency supplements. He hoped other working groups can review and develop new outside right-of-way specifications, such as the pervious concrete Mr. Hearne mentioned. He wanted to establish the Outside Right-of-Way specifications as a separate section in 2014.

17. General Discussion

Chair Wilhite first declared that he did not believe an October meeting was necessary. No other members disagreed, so the next committee meeting will be in January of 2014. He then asked for general discussion items. Mr. Wilhite asked other members if they had worked on materials for low impact development, such as any new details or projects.

Bob Draper said he solicits suggestions for spec updates and feedback via email to others in his agency such as inspectors and directors.

Mr. Wilhite also brought up the topic of reclaimed water which was discussed in previous years. Mr. Badowich said at the time the state had taken up the issue, but he thought the County Health Department was now tasked to review projects.

Mr. Herz asked if any action was needed for next year's chair. Mr. Wilhite said he had been asked by MAG to serve an additional year as chair in order to get the committee back on the same schedule as other committees. He received approval from his director, and Mr. Badowich also agreed to serve an additional year as vice chair.

Mr. Tyus summarized the process of making changes to the MAG specifications book, details and update package. He said he would be writing summaries of the cases and preparing a packet for review by the agency public works directors. He agreed to provide members the mail list he had, so the contacts for the public works directors and/or city engineers could be updated as appropriate. Bob Herz asked that the final versions of the cases be posted on the website. Mr. Tyus agreed that they would be updated on the *Cases Under Consideration* page. He would also keep members updated via govDelivery email of the status of the case summary and update packet.

18. Adjournment:

Seeing no further business, the chair thanked members for their work this year and adjourned the meeting at 3:02 p.m.