

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

February 6, 2013

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

AGENCY MEMBERS

Jim Badowich, Avondale	* Javier Setovich, Peoria
Craig Sharp, Buckeye (proxy)	Syd Anderson, Phoenix (St. Trans.)
Warren White, Chandler	Jami Erickson, Phoenix (Water)
Antonio Hernandez	Rodney Ramos, Scottsdale
Tom Condit, Gilbert	Jason Mahkovtz, Surprise
* Mark Ivanich, Glendale	Tom Wilhite, Tempe, Chair
Troy Tobiasson, Goodyear	Harvey Estrada, Valley Metro
Bob Herz, MCDOT	* Jim Fox, Youngtown
Bob Draper, Mesa	

ADVISORY MEMBERS

Jeff Benedict, ARPA	Jeff Hearne, ARPA
Tony Braun, NUCA	Peter Kandarlis, Independent (Audio)
Slade Ottney, NUCA	Paul R. Nebeker, Independent
Brian Gallimore, AGC	Jacob Rodriguez, SRP
Adrian Green, AGC	

MAG ADMINISTRATIVE STAFF

Gordon Tyus

* Members not attending or represented by proxy.

GUESTS/VISITORS

Arturo Chavarria, Hanson Pipe
John Kanzlemer, Contech
Kelly Kokesh, ADS
Amanda McGennis, Arizona Association of General Contractors (AZAGC)

1. Call to Order

Chairman Thomas Wilhite called the meeting to order at 1:32 p.m. He announced that a short webinar presented on the ASTM web portal was planned for 2:00 p.m. He said he would begin hearing cases, but would switch back to agenda item 4 at the appropriate time.

2. Call to the Audience

Chairman Wilhite opened the call to the audience. Amanda McGennis of AZAGC introduced herself and announced a forum on National Pavement Trends on February 14 at 12:00 p.m. She invited committee members to attend and provided a handout with more information.

3. Approval of Minutes

The members reviewed the January 2, 2013 meeting minutes. Bob Herz had minor corrections. He said for Case 13-01C the abbreviation (PCCP) should be added. For the description of Case 13-02 Crack Sealing, the text would be changed as shown, “update Section 337 to include requirements in the Maricopa County supplements” Mr. Herz introduced a motion to accept the minutes with the corrections he described. Bob Draper seconded the motion. A voice vote of all ayes and no nays was recorded.

4. ASTM Web Portal Update Presentation

Jill Walters of ASTM International provided a remote web-based demonstration of the new ASTM web portal. Some of the main features of the updated site included vastly improved search capabilities that could narrow searches by keyword and category. She also showed how to see the change history, add annotations, and bookmark specifications. Another feature was the ability to setup workgroups and share specifications based on projects via e-mail. Finally, she described the overall process of moving to the new platform by the end of this quarter, but without any disruption in service. Ms. Walters received questions from the committee members including email functions. She would work with Mr. Tyus to facilitate the transition and plan future training opportunities both as live webcasts and recorded tutorials.

Review of 2012 Carry Forward Cases

5. Case 12-12: Steel Reinforced Polyethylene Pipe

Add new Section 739 for Steel Reinforced Polyethylene (SRPE) Pipe. Sponsor Rod Ramos said he believed the water/sewer working group discussed this case. Jim Badowich summarized how the case had initiated a larger look at the installation specifications for both flexible and rigid pipe, as well as determining such things as trench widths, and terminology. John Kanzlemar of Contech was in attendance and would provide further revisions to the case.

New 2012 Cases

6. Case 13-01 A-C: Miscellaneous Corrections

Bob Herz reviewed the correction cases previously submitted.

A) Revise title of Section 324 by removing the word “Street” and adding the abbreviation (PCCP).

Jamie Erickson noted that they should keep the abbreviation so that is not confused with a type of pipe material.

B) Correct a typographic error in Section 505.6.3.3 (4)

Mr. Herz noted that this error was corrected in the 2013 revision, so this correction was no longer necessary.

C) Delete obsolete reference of AASHTO M315 in Section 735.4 (D)

D) Correct depicted distance B and E shown on the plan view of Detail 501-5

Bob Herz introduced a new correction case. He noticed that the dimension lines for B and E should stop at the inside of the basin wall, not the outside as currently shown.

E) Correct typo in Section 311 Heading to read “Construction”

Peter Kandaris caught a typographic error where the letter ‘i’ was missing in the word ‘Construction’ and introduced this case to make the correction.

7. Case 13-02: Revision to Section 337 CRACK SEALING

Obtain compatibility with Maricopa County requirements. Bob Herz said the case was discussed at the last asphalt working group meeting. One of the issues brought up was the change in the range for crack sizes from 1/4” – 1” to 1/8” to 1-1/2”. Another issue was the revised Brookfield Viscosity that the county uses, and a third was the issue of measurements and payments. Currently payment is by the ton, but the county goes by the square yard. Mr. Herz asked for feedback from the committee on these issues.

Rod Ramos asked why change from payment by the ton to square footage? Mr. Herz said they wanted to try and avoid waste, and to make sure the sealant went into the cracks and the contractor did not leave thicker amounts of material on the road surface. Mr. Herz suggesting having both options as is allowed for asphalt paving. Payment by linear foot was also mentioned as an option. Jim Badowich said Avondale has tried all three methods and have gone back to payment by weight, but noted that inspection was important to reduce waste. The payment method can be specified in the contract documents.

The width allowed for crack sealing was also discussed. Several members preferred to leave the dimensions as the currently are in MAG. Mr. Hernandez and Mr. Tobiasson felt that 1-1/2” was too large for crack sealant, and should be repaired using other methods such as chip seal or special grout. Mr. Ramos said Scottsdale has experimented with several methods. Many members felt a separate specification for larger cracks was needed. Jim Badowich questioned whether it was necessary to fill cracks as small as 1/8 inch. Adrian Green said that during the working group meeting the county expressed the issue of contractors stopping crack sealing

operations when the crack width varied, rather than just continuing along the crack and doing a better job of sealing it.

Finally the issue of changing the viscosity was addressed. The county suggested changes, lowering the temperature of the Brookfield viscosity test to match the temperature which it is applied. At the working group meeting, a manufacturer said this would cause them to change their testing methods just for this region. Bob Herz said due to this, the county currently pays a premium.

Troy Tobiasson asked when other jurisdictions make repairs. Goodyear typically does them in winter due to the contraction of asphalt. Jim Badowich says they have to do them year-round.

In summary Bob Herz said these were the three major issues that he needed feedback on, and asked members to review them with their technical people. The asphalt working group was also going to continue to work on the case and provide feedback.

8. Case 13-03: Revision to Section 321.8.6 ASPHALT CONCRETE OVERLAY

Obtain compatibility with Maricopa County requirements. Bob Herz said the case reorganizes the section and incorporates the county supplements. Tom Wilhite asked about pavement repair as a separate pay item. Mr. Herz said this was done so the repair is done and paid for separately before the overlay is done. Mr. Wilhite suggested duplicating the language in the Measurements and Payments subsection. Brian Gallimore noted the language about not driving on the tack coat should be modified to make exceptions for the dust control language added in the last update. Mr. Herz asked for members to send him further comments.

9. Case 13-04: Revision to Detail 120 SURVEY MARKER

Revise detail to prevent installation of survey markers that do not comply with requirements of ARS 33-103. Bob Herz presented a new case to update Detail 120: Survey Marker to comply with state law requiring the markers to be located magnetically. To do this, he proposed replacing the Type A monument with MCDOT's Type E, and the Type B monument with Type D. The packet included letters from the MCDOT Survey Chief, a response from the Arizona Professional Land Surveyors Association, a copy of the state law, ARS 33-103, and the Arizona Boundary Survey Minimum Standards. Mr. Herz also handed out a new Detail 120 that replaces MAG details 120-1 and 120-2 and includes the new markers A and B. Mr. Herz explained that right now MAG's details require adding a washer to make it detectable, but often this washer is missing.

Jim Badowich notices that the chamfer on the Type B detail would make it difficult to fill in the asphalt around the top chamfer. Bob Herz agreed and said he could remove the chamfer. Besides Maricopa County, surveyors from Mesa and Tempe support the change.

Mr. Herz said he left the Type C marker on the detail but questioned the need for it. Bob Draper said Mesa uses them in subdivisions on rare occasions and suggested leaving it in.

10. Case 13-05: New Section 740 Polypropylene Pipe and Fittings for Gravity Storm Drain and Sanitary Sewer

Propose new material section for Polypropylene Pipe materials and modify installation sections as necessary. Warren White presented a new case for a polypropylene pipe material that they have used in Chandler. This case is similar to Case 12-12 for the steel-reinforced plastic pipe in that it is introducing a new material specification based on Section 338 (HDPE). Mr. White handed out information on the sections (including 618 and 615) that were changed in Chandler's supplement to allow use of this material. Copies showing both a red-lined version of Section 338 and a new Section 340 were handed out. He explained that this information would also continue to be reviewed by the water/sewer working group as the group develops revised specifications for pipe installation methods. Kelly Kokesh of ADS introduced some of the properties and uses for this type of pipe, including the fact is stiffer than HDPE and had longer bells to allow a double gasket seal. She said it also meets ASTM and AASHTO standards that are part of the proposed specification.

Mr. White said Chandler has used this for a storm drain, but not yet for sanitary sewer. Mr. Herz asked about connections to manholes. Ms. Kokesh said they had several options and would share this information. She also said the material is typically for larger 12" to 60" lines, and was used onsite by Intel.

11. Potential Cases for 2013

Chairman Wilhite asked the members to report on potential cases for 2013. Troy Tobiasson said he was reviewing specifications regarding water testing procedures including water loss formulas. Harvey Estrada of Valley Metro brought up the issue of steel casing. He said METRO has a supplement to use HDPE under light rail lines to avoid stray current problems with steel casing. Jamie Erickson said Phoenix used the HDPE casing on the NW light rail extension project. Bob Herz said the typically only use it under railroads, and the railroad companies determine what to use.

Tom Wilhite handed information he compiled relating to research on the liquidated damages table. He said MAG's liquidated damages table hasn't been updated in the last 21 years. The tables he provided compared MAG's liquidated damages to ADOT and the California DOT. Mr. Wilhite also provided copies on requirements from the Federal Transit Authority (FTA). He asked members to review and send him feedback.

12. Working Group Reports

Chairman Wilhite asked for reports from the working groups. He also suggested the working groups provide him a paragraph on the topics of the working group meetings, so he could formulate an email notice that could be forwarded to interested parties in the MAG agencies.

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

Jim Badowich said the group met January 22nd at 1:30 at the MAG office. (Notes included in packet.) He said the meeting was more of an overview on what he wanted to accomplish during the year, and to encourage participation. He was happy to report that he had support from Warren White, Troy Tobiasson and Craig Sharp on projects, as well as industry representatives from the concrete and flexible pipe manufacturers who are helping revise the specifications for sections 601 and 603. In addition to revising these specifications for pipe installation and materials, Mr. Badowich has a goal of updating the manhole details and adding the precast bases. Mr. Herz asked about outreach to ACED – it was a typographical error meant to be ACEC. Ms. Erickson said there was discussion about ACEC involvement during the meeting, but it was difficult to get them involved. Mr. Draper said he was meeting with an official from ACEC and would talk to him about contributing to working groups.

Mr. Badowich said the top three issues to be worked on at the next meeting were the manholes, the new pipe material cases, and revisions to the pipe installation and trenching sections. The next meeting is tentatively scheduled for February 19th at 1:30 p.m. at the MAG office.

b. **Asphalt and Materials Working Groups**

Brian Gallimore filled in for Jeff Benedict who had to leave early. He said much of what the asphalt working group discussed was previously covered during the discussions on the cases for the crack seal and the asphalt concrete overlay. He said the group was also working on the penalty table and getting feedback on a warm mix job. Bob Herz said they would wait for ADOT to come up with specifications first and build on them. The next meeting is scheduled for February 21st at noon at the ARPA offices.

For the materials working group, Mr. Gallimore said they were reviewing the detail for raising and lowering manholes for overlay. He also noted that a material specification for crushed granite referenced in the landscaping section would need to be added back in. He said Bob Herz had already done work on this, and it would be introducing a case. The next materials working group meeting will follow the asphalt meeting on the 21st.

c. **Concrete Working Groups**

Jeff Hearne said the meeting was held after the asphalt/materials working group and was a convenient time for agency members to stay and participate. He said notes and a list of attendees were in the packet. Mr. Wilhite said he saw a presentation on pervious concrete and asked if the working group was looking at this material as it relates to low-impact development. Mr. Hearne said the group has discussed it in the past, but it is lower on the current list of priorities and may be more appropriate for outside right-of-way use. Rod Ramos said when the pervious pavement is plugged up, then what do you do? Mr. Hearne said regular maintenance was important.

The three top issues the group is currently working on are:

- 1) Revising Section 340 (Curb, Gutter, Sidewalk, ramps, Driveway and Alley Entrances) that Peter Kandarlis has been updating

- 2) Reviewing Section 324 (Portland Cement Concrete Pavement) and
- 3) Directional sidewalk ramp details. Mr. Hearne said Peoria originally submitted drawings of ramps they have developed, but he was waiting for them to create CAD drawings more similar to the MAG details. Mr. White said Chandler is also working on directional ramps.

The next meeting is scheduled for February 21st at ARPA beginning around 1:30 p.m.

d. **Outside Right-of-Way Working Group**

Since Peter Kandaris left the audio conference Gordon Tyus summarized the January 29th meeting. He said that Mr. Kandaris updated the list of MAG specifications and details based on progress made during the past two years. He said Mr. Kandaris also updated a draft paper (included in the packet) that outlines the Outside Right-of-Way sections to be updated. He hoped to get feedback from the committee on the format of the document, and reenlist the participation from members and industry representatives to focus on the outside ROW issues rather than updating the MAG book.

Mr. Wilhite agreed to send out an email with information on the upcoming meetings like he did previously, since several members commented that they appreciated the information and could share it with others in their organization.

13. General Discussion

Bob Herz announced seminars provided by LTAP on the design and construction of ADA facilities. He said the first workshop was full, and he saw only one opening for the next workshop on February 23rd, however, if they saw more interest he thought they may add another seminar date.

14. Future Agenda Items

Chairman Wilhite said the presentation on wildlife crossing was rescheduled for March. Mr. Tyus said in his communications with the presenters for Arizona Fish and Game Department that they were tailoring a presentation that focused more on structures and issues pertinent to the committee members.

15. Adjournment:

The chair adjourned the meeting at 3:46 p.m.