

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

May 6, 2015

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

AGENCY MEMBERS

Jim Badowich, Avondale, Vice Chair	Julie Christoph, Mesa
Craig Sharp, Buckeye	Dan Nissen, Peoria
Warren White, Chandler	Melody Moss, Phoenix (Streets)
Ruben Aguilar, El Mirage	* Jami Erickson, Phoenix (Water)
* Wayne Costa, Florence	* Rod Ramos, Scottsdale
* Tom Condit, Gilbert	Kristin Tytler, Surprise
Mark Ivanich, Glendale	Tom Wilhite, Tempe, Chair
* Tom Vassallo, Goodyear	Harvey Estrada, Valley Metro
Ed Williams, MCDOT (proxy)	Gregory Arrington, Youngtown

ADVISORY MEMBERS

Jeff Benedict, ARPA	Jeff Hearne, ARPA
* Arvid Veidmark, AZUCA	Peter Kandarlis, Independent
* Mike Sanders, AZUCA	* Paul R. Nebeker, Independent
Brian Gallimore, AGC	Jacob Rodriguez, SRP
Greg Groneberg, AGC	

MAG ADMINISTRATIVE STAFF

Gordon Tyus

* Members not attending or represented by proxy.

GUESTS/VISITORS

Arturo Chavarria, Hanson Pipe
David Mobley, City of Surprise

1. Call to Order

Chair Tom Wilhite called the meeting to order at 1:32 p.m.

Mr. Wilhite introduced Ed Williams who was filling in for Bob Herz, and welcomed Ruben Aguilar as an official member. Kristin Tytler introduced David Mobley, the new city inspector for Surprise. She said he may attend as a proxy for her.

2. Call to the Audience

There was no comment from the audience.

3. Approval of Minutes

The members reviewed the April 8, 2015 meeting minutes. Dan Nissen moved to accept the minutes as written. Warren White seconded the motion. A voice vote of all ayes and no nays was recorded.

Carry Forward 2014 Cases

4. Case 14-03: Updates to Guardrail Details.

Make revisions to Section 415 and/or include guardrail details in MAG. Ed Williams (filling in for Bob Herz) said MCDOT is currently developing the details.

5. Case 14-06: Revisions to Section 718 Preservative Seal for Asphalt Concrete.

Update the specifications preservative seals. Jeff Benedict said there currently was no change, but that the ASTM testing procedures were being reviewed to make sure they are equivalent to the AASHTO tests listed in the initial draft. He expected to present an updated version at the next meeting.

6. Case 14-12: Proposed Revisions to Sections 336, 321.10.3, 601.2.7 and Detail 200-1.

Add pavement removal criteria to prevent full depth pavement cuts from being located within a lane wheel path and to prevent creation of narrow pavement edge strips. Ed Williams said MCDOT is currently marking up Detail 200.

7. Case 14-17: Create New Section 322 - Asphalt Stamping.

Provide specifications for materials and methods of Asphalt Stamping. Greg Groneberg said they have incorporated comments from the last meeting. He met with representatives from Creative Paving Solutions and updated the draft based on their input. It also incorporated comments received from Bob Herz at the last working group meeting. Changes in the materials section included the use of a Marshall low-traffic mix for raised medians. The updates were also based on project specifications currently used by Scottsdale. Mr. Groneberg said the reference to the DecoCoat Polymer Systems clear coat sealant or equivalent was also added. He said this was the product everyone was currently using. Jeff Benedict asked members to provide comments before the next working group meeting.

Tom Wilhite asked what would be an equivalent for the clear coat sealant. He said you need to spell out what it is. Craig Sharp suggested listing the properties from the manufacturer, similar to Table 322-2. Melody Moss was concerned about a single supplier, noting that many federally-funded projects require at least three suppliers. Peter Kandarlis asked about the reference to the DecoCoat Polymer System under the materials section. He suggested removing the product name and just referencing the tables. Tom Wilhite said the agencies should be allowed to choose. Jim Badowich suggested adding the text, “with approval of agency.” Jeff Hearne commented that the spec does include a submission process. Julie Christoph asked if the table can be modified to show the minimum or maximum standards for specifications. Mr. Groneberg said he would continue work on the case at the next working group meeting.

New Cases for 2015

8. Case 15-01: Miscellaneous Corrections A-C.

No new corrections were introduced.

9. Case 15-03: Revise Section 601.4.5 Trench Final Backfill.

Change backfill placement requirement from 2 feet maximum lifts to layers not exceeding eight inches in depth under certain conditions. Jim Badowich said there was a discussion about the “sheepsfoot” at the water/sewer working group. He suggested adding “sheepsfoot pattern” to clarify the type of roller. Jeff Hearne googled sheepsfoot roller and got results consistent with the backhoe mounted roller they are wanting to reference. Mark Ivanich asked why the lifts can’t be set at just one thickness. Jim Badowich explained that the compaction wheels can get compaction with 2’ lifts whereas jumping jacks and other kinds of mechanical compaction can only compact about 12” max. He said these methods of compaction are needed around manholes because the wheel does not get close enough to get good compaction, and they have had problems with settling around circular manholes.

Tom Wilhite suggested that the “sheepsfoot” reference be added, and possibly vote on the case at the next meeting.

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

Revise Section 616.2 Materials to reference appropriate sections and create new detail.

Warren White discussed the revised details 270-1 and 270-2 sheet that was handed out at the meeting. Detail 270-1 added the word "ROUND" to the title. Detail 270-2 added the lines for where the square from transitions to a round base. It also fixed a dimension note and added finishing symbols to be consistent with Detail 270-1. Mr. White was not sure if the part actually was finished as shown, and wants to get more information from suppliers. Mark Ivanich asked about Note 2 where the width of the letters was still unspecified. Mr. White said he was not sure if it was even needed. Brian Gallimore suggested contacting Rita Chihanik at Neenah Foundry. She was helpful when updating the manhole covers a few years ago. Tom Wilhite had a question about the size of the tabs. Mr. White said he will continue to work on it.

11. Case 15-06: Delete or Section 744 ABS TRUSS PIPE AND FITTINGS.

Tom Wilhite said this case is on the agenda for action. Craig Sharp moved to delete Section 744. Harvey Estrada seconded the motion. Mr. Tyus asked to clarify that the committee was voting on Option 1 of the case to delete Section 744 entirely. The maker of the motion and the second agreed this was the intent. A roll call vote was taken. The motion passed: 12 yes, 0 no, 0 abstained, and 5 not present.

12. Case 15-07: Revisions to Concrete Paver Standards for Non-Traveled Surfaces.

Make revisions to Detail 225 and Section 342. Warren White said there was no update this month. He said he needs to add a detail for non-travel areas to the current Detail 225. He said he will have an update ready for the June meeting.

13. Case 15-08: Revisions to clarify Table 710-4 to Eliminate Misinterpretation of Criteria 8.

Ed Williams requested to vote on the case at the next meeting. Jeff Benedict said there was no actual change to the requirements; it was just reorganized to make the intent clearer.

14. Case 15-09: Revisions to Section 321 Placement and Construction of Asphalt Concrete Pavement.

Jeff Benedict introduced a new case that made several revisions to Section 321. The proposed revisions were outlined on the case memo that had Speedie and Associates on the top. He asked members to review the case and provide feedback. Ed Williams asked if Mr. Benedict received Mr. Herz's comments. He said that he did and noted that Mr. Herz was at the working group meeting where it was proposed. Mr. Wilhite asked Mr. Williams if he had those

comments available. Mr. Williams listed several proposed revisions that they had comments on. One area of disagreement was on revisions to Section 321.8.4 that eliminated the temperatures table and used 350 degrees F as the minimum. Jim Badowich asked “does that mean thickness doesn’t come into play?” Jeff Benedict said for the proposed revision, no. He asked members to review to case. Peter Kandaris said he would look for his notes on why the table was added. Jeff Benedict said the temperatures table is always a point of contention.

15. New Cases

Mr. Wilhite asked the committee if there were any new cases. Jeff Benedict said they are working on a change to Section 717 Asphalt Rubber to clarify how to account for admixtures.

16. Working Group Reports

Chair Wilhite asked for reports from the working group chairs.

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

Jim Badowich said the group met Thursday, April 16, 2015 at 1:30 p.m. The first fifteen minutes was a presentation from a rep from Armorock on new Polymer Manhole Systems. Mr. Badowich said some agencies are experimenting with them. Advantages include no degradation of the material due to gases and no coating system is needed. Jim Badowich said they have been getting traction in other parts of the country. Warren White commented on the 50-year warranty offered by a third party. Mr. Badowich said since MAG adopted precast bases last year, he thought it made sense to look at other new system. They are planning to the polymer manholes in Avondale. Julie Christoph said Mesa is also trying them.

Mr. Badowich said the group also reviewed the trench compaction case as previously discussed, and the reclaimed water valve boxes. The rest of the meeting was reviewing the new Section 608: Horizontal Directional Drilling. He said they are getting the attention of utilities, and had three members from Southwest Gas in attendance. He said Arvid Veidmark is talking to other utility companies, and they plan to submit a case this year.

The next Water/Sewer meeting is planned for May 21, 2015 at 1:30 p.m. at the MAG office.

b. **Asphalt/Materials Working Groups**

Jeff Benedict said the group met on Thursday, April 23, 2015 at noon at the ARPA office. Other than the cases previously discussed, he said they were pushing Mr. Bechel to create a roadmap for possible changes to testing lime-treated ABC. Peter Kandaris said he got a call from Mr. Beckel, and said he would assist him. Mr. Groneberg said the procedures to avoid potential problems need to be developed.

Mr. Benedict said the next meeting is planned for May 28, 2015 at noon at the ARPA office. They plan to discuss the final changes to Section 718, discuss the proposed changes to Section 321 and review the Section 717 admixture issue.

Brian Gallimore said another issue they want to discuss is potential modifications to Section 321 for rehabilitation work. He said some of the specifications do not take into account repair work such as milling without subgrade reconstruction. He thinks there needs to be a discussion on what is fair and achievable for maintenance type of projects such as adding a 1" overlay to an existing street condition. What testing is fair when the base is not reworked?

c. **Concrete Working Group**

Jeff Hearne said they continued work on revisions to Section 725. He said Bob Herz brought comments from John Shi at MCDOT. He said the case is getting close and are planning to bring it to the committee.

He also has been working on draft wording for pervious concrete specs. He thought Mr. Herz's suggestion of moving it from the 600s to the 300s section made sense.

Mr. Hearne also asked if there was a desire for members to tour concrete production facilities. He said they would be happy to set-up such tours and open it up for agency staff. They often do tours for engineering students. Mr. Hearne said he could also arrange a tour of the cement manufacturing plant, but they would require a day-long commitment due to the distance. Many members indicated that they would be interested.

d. **Outside ROW Working Group**

Peter Kandararis said that he will have something ready to present at the next meeting.

17. General Discussion

Gordon Tyus said that he was notified by Bob Herz that the printed 2015 Specs and Details book still had Section 603 in it (pages 603-1 and 603-2). This section was combined into Section 601 and should have been deleted. This oversight was corrected on the online version of the specifications; however, if you previously purchased books, those pages should be deleted. Unfortunately, they ended up on the front and back of pages from other sections. Mr. Tyus recommended X-ing out those to pages and note to refer to Section 601. Tom Wilhite said he glued the pages together. Mr. Tyus said a replacement page would be included in the next update packet.

18. Future Agenda Items:

Tom Wilhite said that a low-impact development toolkit was being developed by Mesa and Gilbert. He asked if this could be used to help develop possible cases. Kristin Tytler said Surprise is looking into its potential, but thought project specs and details would be developed

on a case-by-case basis. Julie Christoph said the toolbox is used as a set of guidelines in Mesa. Originally it was developed to address issues such as storm water management. She said their council favors environmentally conscience development. Mark Ivanich said it was used mainly in private projects. Mr. Wilhite said maybe this was an issue that could be addressed by the Outside ROW group, although there are also uses in the right-of-way such as on-street parking and bio-swales. Mr. Ivanich thought it would be difficult to write specs, but does plan on using them as supplemental guidelines.

Warren White brought up the issue of sidewalk ramps. He said MAG needs to have dual ramps. Mark Ivanich said he needs a ramp like the old Detail 321 that had a tangent opposite the ramp so wheelchairs could come up to crossing signal buttons. Mr. Wilhite suggested forming a working group to focus on sidewalk ramps. Warren White, Harvey Estrada, Craig Sharp and Tom Wilhite volunteered to work on the issue. Dan Nissen said Brandon Forrey of Peoria has been working on them and should be included. It was thought that Bob Herz and Rod Ramos should also be contacted since they have contributed to previous cases.

19. Adjournment:

Seeing no further business the meeting was adjourned at 2:59 p.m.