

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

September 2, 2015

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

AGENCY MEMBERS

Jim Badowich, Avondale, Vice Chair	Lance Webb, Mesa
Craig Sharp, Buckeye	Dan Nissen, Peoria
Warren White, Chandler	Rob Duvall, Phoenix (Streets) (proxy)
* Ruben Aguilar, El Mirage	Jami Erickson, Phoenix (Water)
* Wayne Costa, Florence	Rod Ramos, Scottsdale
Tom Condit, Gilbert	David Mobley, Surprise (proxy)
* Mark Ivanich, Glendale	Tom Wilhite, Tempe, Chair
* Tom Vassallo, Goodyear	* Harvey Estrada, Valley Metro
Bob Herz, MCDOT	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

None.

1. Call to Order

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

2. Call to the Audience

No requests to speak were received.

3. Approval of Minutes

The members reviewed the August 5, 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 – Revisions to Section 415 and/or include Guardrail Details.

Bob Herz said the case was withdrawn.

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

Chair Wilhite said a handout provided at the meeting replaced the version in the packet. Jeff Benedict said the case has been updated based on final revisions made during the asphalt working group meeting and suggestions from Bob Herz. Mr. Herz moved to accept Case 14-06 based on the 9/1/2015 revision. Rob Duvall seconded the motion. A roll call vote was taken. The motion passed 11 yes, 0 no, 0 abstaining, 6 not present.

6. Case 14-17: Create New Section 322 – Decorative Asphalt.

Greg Groneberg said the final revision of the case was provided in the packet. Mr. Herz said it was a good draft, but thought it still needed some work. Since it was carried over from last year, he suggested that the case be withdrawn and resubmitted next year. He explained some of the problems he thought needed to be addressed such as: conflicts in pavement thickness compared to that in the referenced Section 710, questions about “deleterious oils,” and questions about what was meant by “repaired by using the same process outlined in this section.” He also thought some of the language was unclear and/or needed wordsmithing. Brian Gallimore said that the case has been active for two years, and was based on supplements from Gilbert and Scottsdale. He said this process is commonly used in the field, and believed industry would like to have a specification now – not wait for another year. He suggested making whatever tweaks that can be agreed upon now, and then returning to make additional revisions in the future if needed.

To address some of Mr. Herz's questions, Mr. Gallimore explained that the working group discussed "deleterious oils" and used that term to group oils that were not part of the asphalt, but could have negative effects. He also said the "process outlined in the section" meant that the contractor would need to redo the work from the start using the entire specification. Rob Duvall didn't see a problem with the paving thickness specified in Section 322.3 because it was done in the raised medium area not subject to traffic. Bob Herz also thought it was unclear on when the surfacing system could be applied using brooms or brushes since it says it "shall be spray applied." Brian Gallimore replied that they wanted it spray applied as a default except in small areas where it could not be easily done. He said it was similar to how compaction was done with different equipment in areas that the normal compacting equipment could not be used. Mr. Herz had another question on whether a clear coat always must be applied, as stated in the fourth paragraph of Section 322.3.1. Jim Badowich suggested adding "if required" after the "clear coat sealant" to help clarify. Peter Kandaris had a question about seal coating.

Chair Wilhite asked Bob Herz to go through changes he thought could be made now, and then Mr. Wilhite summarized them as follows:

Section 322.1 General Requirements:

- 1st paragraph, last sentence: change "bid" documents to "contract" documents.
- 2nd paragraph, first sentence: strike "in the right of way." Second sentence: delete "also."

Section 322.2 Materials:

- 1st paragraph, last sentence: change "bid" documents to "contract" documents.

Section 322.3 Installation and Surface Patterning

- 1st sentence should be rewritten as: "The patterning equipment shall be metal templates that shall correspond to the patterns shown in the project plans and specifications."

Section 322.3.1 Surfacing System

- 4th paragraph. End first sentence after "recommendations." Strike the rest. Delete the second sentence. Add "if required" after "clear coat sealant" in last sentence.

Section 322.4 Measurement:

- 1st sentence: change "asphalt stamping installations" to "decorative asphalt installations." Also change "and" to "or."

Rod Ramos moved to accept the case with the changes noted above. Jim Badowich seconded the motion. A roll call vote was taken. The motion passed 11 yes, 0 no, 1 abstaining, 5 not present.

New Cases for 2015

7. Case 15-01: Miscellaneous Corrections A-G.

Tom Wilhite noted that some of the items in the corrections packet may be superseded by following cases if they are approved. Bob Herz said a new correction "G" was added to the packet. Craig Sharp moved to accept Case 15-01 A-G as presented. Warren White seconded the motion. A roll call vote was taken. The motion passed 12 yes, 0 no, 0 abstaining, 5 not present.

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

Bob Herz said there has been no recent changes to this case, which modifies the trench backfill requirements in Section 601.4. Seeing no further questions or comments, Mr. Herz moved to accept the case as presented. Rod Ramos seconded the motion. A roll call vote was taken. The motion passed 12 yes, 0 no, 0 abstaining, 5 not present.

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

Warren White said this case will be carried forward to 2016.

10. Case 15-07: Revisions to Concrete Paver Standards for Non-Traveled Surfaces, Detail 225 and Section 342.

Warren White said the only recent change to the case was in Section 342.3.7 in the 3rd paragraph, information on the methodology for vibrating and compacting the sand was removed. He said Bob Herz had questions about how to keep sand from getting into the sealant, but Mr. White thought this could be addressed in a future revision, perhaps by using a geotextile. Bob Herz moved to approve the case with the revision date 8/6/2015. Rod Ramos seconded the motion. A roll call vote was taken. The motion passed 12 yes, 0 no, 0 abstaining, 5 not present.

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

Jeff Benedict said a marked up version of the changes to Section 321 was in the packet. Gordon Tyus said that a handout was provided at their place which showed the additional changes made during and after the asphalt working group meeting. Bob Herz said in the minutes from the last meeting it was listed as a carry forward case. Mr. Tyus said he spoke with Mr. Benedict before preparing the agenda, and had it on the agenda for action, so it could be voted on if desired. Rob Duvall moved to accept the case as presented in the packet plus the revisions handed out at the meeting. Gregory Arrington seconded the motion. A roll call vote was taken. The motion passed 12 yes, 0 no, 0 abstaining, 5 not present.

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

Brian Gallimore said they were tasked by industry to gather more information on this case to present to agencies, so he said it would be carried over to next year. Jim Badowich thought it was a good thing to address as many cities are already doing this due to budget constraints. Mr. Gallimore said he hoped to make it more clear when it is allowed or not, and hopes to have a better understanding in the first quarter of next year.

13. Case 15-11: Incorporate revisions to Section 717, “Mix Design Requirements” into the MAG Specifications.

Greg Groneberg said a handout with both a marked-up and a clean version of Section 717 was provided at the meeting. Gordon Tyus said the only change made at the working group meeting was correcting an ASTM reference in Table 717-2 as shown in red. Jim Badowich moved to accept the case (dated 8/27/2015) as presented. Dan Nissen seconded the motion. A roll call vote was taken. The motion passed 12 yes, 0 no, 0 abstaining, 5 not present.

14. Case 15-12: New Section 608 HORIZONTAL DIRECTIONAL DRILLING.

Arvid Veidmark said the most recent version (revision 29) was provided in the packet. He said the case had several revisions as final details were ironed out during and after the water/sewer working group meeting. Dan Nissen moved to approve the case as presented. Jim Badowich seconded the motion. A roll call vote was taken. The motion passed 12 yes, 0 no, 0 abstaining, 5 not present. Jim Badowich provided his thanks to all the participants. He said this is the first case with a figure, and was also notable in reaching out and working extensively with utility companies. Bob Herz commended Arvid Veidmark on an excellent job.

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

Jeff Hearne said this case will be carried forward into next year.

16. Case 15-14: Revise Sections 321 and 325 to coordinate overlay work requirements.

Bob Herz said the handout provided at the meeting replaces the one in the packet. He said he received feedback from the last committee meeting that indicated requiring the removal of thermoplastic markings may be controversial. MCDOT requires it, but since it may not always be required by other agencies, the latest revision deletes the requirement to remove thermoplastic markings prior to overlay work. Warren White said he checked with his agency and they thought the language was okay. Brian Gallimore said some agencies require it and some don't, but if it were to remain, the specification would need to be revised to account for payment in non-milled areas. Mr. Herz thought it would be easier to leave it out of this spec, and allow individual agencies to adjust their supplements if needed. Seeing no further comments Mr. Herz moved to approve Case 15-14 as presented. Craig Sharp seconded the motion. A roll call vote was taken. The motion passed 12 yes, 0 no, 0 abstaining, 5 not present.

17. Working Group Reports

Chair Wilhite asked for reports from the working group chairs.

a. **Curb Ramp Working Group**

Warren White said the group did not meet last month but they have prepared some sample details to review at the next meeting planned for the Monday after the Labor Day holiday, September 14, at 1:00 in the MAG meeting room.

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

Jim Badowich said they met on August 20, 2015 and much of the meeting was preparing the final draft of the new Section 608 that was just approved. The group also discussed Case 15-05, reclaimed water valve boxes. He said a representative from Neenah Foundry was present and confirmed that the boxes did not have machined edges, and so the draft detail should be updated. Warren White asked if this was for both square and round boxes, and Mr. Badowich confirmed that it was. He also said they planned to focus on water, sewer and storm drain testing requirements next year. Mr. Badowich said meter boxes needed to be updated to allow for polymer concrete boxes that are being used. He said allowing a range of sizes may be needed for different manufacturers designs. Jami Erickson said Phoenix will continue using concrete boxes, but wanted polymer lids to match.

c. **Asphalt/Materials Working Groups**

Jeff Benedict said they reviewed all current cases at the last meeting in preparation for today's votes. He said they have not had time to consider new possible cases for next year yet. Brian Gallimore said they will continue to work on Case 15-10. The next meeting will likely be after the committee starts up again next year.

d. **Concrete Working Group**

Jeff Hearne said there was no meeting last month, but is getting more information on carry forward Case 15-13, and will continue work on the draft pervious concrete specifications. He said he would like to bring someone in to give a presentation to the committee on pervious concrete in January or February. He said the concrete working group meetings would be scheduled to follow the asphalt/material meetings.

e. **Outside ROW Working Group**

Peter Kandaris said he has found engineers willing to help review specs and details but still needed help developing the initial specifications.

18. General Discussion

Gordon Tyus explained the process of updating the specification manual based on the cases that were passed this year. First he asked members to review the public works directors' mail list, and provide him with any updates, either on the copy or via email. He said he would begin incorporating the revised specifications and details into a draft update packet to be sent to the public works directors for a 30-day review period. The packet would also include a summary of each case outlining the purpose and a brief summary of the revisions made. These materials would be posted on the MAG website for committee members to review as well. Once the public works directors have reviewed the update, it would be reviewed by the MAG Management Committee in November and the MAG Regional Council in early December. Once those reviews are complete the books and revision packet would be prepared for printing. Printing bids would be obtained, and the revision packets would be printed and available for purchase in January. The 2016 Revision to the 2015 Edition of the MAG Standards

Specifications and Details document would also be posted online. Bob Herz reminded Mr. Tyus, that Section 603 needed to be taken out, and a replacement page included in the packet.

Tom Wilhite said that this was his last meeting as chair. Current vice chair Jim Badowich would become chair of the committee next year. He encouraged members representing parts of the east valley who were interested in serving as vice chair to submit a letter of interest. Mr. Wilhite said he was pleased with the progress of the committee during his three-year term as chair and thanked members for their service as well.

19. Future Agenda Items

Jim Badowich thanked Mr. Wilhite for his service and asked members if they had any ideas for presentations that could be given to the committee early next year. Mr. Wilhite suggested contacting the representatives from ASU's sustainability program to see if they wanted to follow up on their previous meeting with information for the committee. Peter Kandaridis said that ASU also recently received an \$18.5 million geotech research grant that focused on dust control. He said they have about a 10 minute presentation, and thought they might have funding to address some MAG related issues. Mr. Tyus said MAG is also involved in air quality and dust control issues and would likely support the effort.

Mr. Wilhite asked members if any emerging technologies needed to be reviewed. Brian Gallimore said there are always new technologies, but they usually aren't cheap. He said vendors typically come to cities with them first.

Arvid Veidmark said he attended a panel on trenchless technologies, and asked if the committee was interested in rehabilitation techniques such as pipe bursting. Tom Wilhite said pipe reuse, such as using old water lines as conduits for dry utilities could be an area to review. Lance Webb of Mesa said they are working on it, but have had problems when running into valves. Mr. Wilhite also mentioned using ID tags when making repairs to locate utilities.

Jim Badowich said developers are using materials other than copper, such as HDPE for domestic water lines, and that MAG may want to consider these materials as well. Mr. Veidmark described a process used to repair water and sewer service lines by attaching a new line to the existing one and pulling the pipe into place. New equipment allows smaller pits and a smaller footprint.

Jim Badowich said they often have industry come in with new technologies. An example is polymer concrete manholes. Avondale currently lines all their manholes and an advantage of the polymer manholes is a lining is not needed. He said vendors want to know how to get into the MAG specs. He suggested working on guidelines that outlined the process and gave examples of national certifications that may be needed. He also thought helping them understand the process and how they can get involved in the working groups would be useful.

Bob Herz noted that the ASTM website now has links to AASHTO specs, and asked what it would take to allow members to access them. Mr. Tyus said he was aware that ASTM added this capability, but that our current subscription did not include it. He said the ASTM

subscription was part of the MAG budget and was renewed for another year. He would check to see what other purchasing options or subscription price may allow access to AASHTO specifications.

Jim Badowich suggested that a link on each page back to the table of contents page be provided in the online specifications if possible. He said it was convenient in the details section and could use this option in the written specs as well. Mr. Tyus said he would look into how this could be done for the new revision.

20. Adjournment:

Seeing no further business the meeting was adjourned at 3:00 p.m.