

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

May 2, 2012

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

AGENCY MEMBERS

Jim Badowich, Avondale	Margie Torres, Peoria (proxy)
Scott Zipprich, Buckeye	Syd Anderson, Phoenix (St. Trans.)
Warren White, Chandler	* Jami Erickson, Phoenix (Water)
* Lance Calvert, El Mirage	* Marc Palichuk, Queen Creek
Greg Crossman, Gilbert	Rodney Ramos, Scottsdale
Mark Ivanich, Glendale	Jason Mahkovtz, Surprise
Troy Tobiasson, Goodyear, Chair	Tom Wilhite, Tempe, Vice Chair
Bob Herz, MCDOT	* Jim Fox, Youngtown
Bob Draper, Mesa	

ADVISORY MEMBERS

Jeff Benedict, ARPA	Jeff Hearne, ARPA
Denny Galvin, NUCA (proxy)	Peter Kandaris, SRP
* Kwigs Bowen, NUCA	Paul R. Nebeker, Independent
Brian Gallimore, AGC	
* Adrian Green, AGC	

MAG ADMINISTRATIVE STAFF

Gordon Tyus

* Members not attending or represented by proxy.

GUESTS/VISITORS

Arturo Chavarria, Hanson Pipe and Precast
Jacob Rodriguez, Salt River Project

1. Call to Order

Chairman Troy Tobiasson called the meeting to order at 1:32 p.m.

2. Call to the Audience

Peter Kandarlis introduced Jacob Rodriguez who will be SRP's representative beginning next month when Mr. Kandarlis retires.

Mr. Kandarlis said he would like to continue to be a member of the committee. Paul Nebeker discussed the procedure the committee used to elect him as an independent member in 2005. It required a nomination and vote by the committee for approval. Tom Wilhite then introduced a motion to nominate Peter Kandarlis as an independent member of the committee. Scott Zipprich seconded the motion. A voice vote of all ayes and no nays was recorded.

3. Approval of Minutes

The members reviewed the April 4, 2012 meeting minutes. Greg Crossman introduced a motion to accept the minutes as written. Warren White seconded the motion. A voice vote of all ayes and no nays was recorded.

Review of 2011 Carry Forward Cases

4. Case 11-02 – Safety Edge Detail

Add an Asphalt Pavement Safety Edge option to Detail 201. Bob Herz handed out a revised detail drawing dated 5/02/2012 for the committee to review. Brian Gallimore asked about the pay item for defective edge payment. Mr. Herz explained that it would be included if greater than 1 foot of the edge had to be removed, and based on price per square yard, otherwise the contractor can lay down the edge on the existing pavement. Brian Gallimore asked about edges that were rolled, and discussed a current project where the safety edge is being constructed. Rod Ramos asked for Mr. Gallimore's recommendation. He said he would know more next month and could bring pictures of the project. He also said they are milling instead of saw cutting some sections. Mr. Herz said on one project the contractor began saw cutting through an existing safety edge. He said he would have more information on the process after seeing the progress of projects underway.

5. Case 11-03 – Replace Cadmium Plated Bolts.

Replace cadmium plated bolts referenced in Section 610.13 with zinc plated bolts as described in ASTM-B633. Jim Badowich said he worked on revising it, and reviewed the ASTM references provided by Javier Setovich's draft. He explained that the section would need to be rewritten to include options for the bolt materials and bolt finishes, for both T-bolts and bolts for flanged connections. Zinc would be the default finish, but options for stainless steel and cadmium could also be included. He also questioned why the bolts would change for larger pipe, since just the number of bolts would increase. Mr. Badowich said

additional research on ASTM standards and feedback from suppliers was needed. He hopes to review an updated case at the next water/sewer working group and provide an updated case for the committee to review in June.

6. Case 11-12 – Modifications to Regulatory Requirements, MAG 107

Add references to Arizona native plant requirements and update references to state statutes. Mr. Kandarlis handed out a revision that updated the text on handling permits as requested by the city of Phoenix. There was some discussion on the costs and procedures agencies use when issuing permits. Tom Wilhite said he wants to do a final review of the section and will get comments back. Mr. Kandarlis called for a vote on the case at the next meeting.

7. Case 11-14: Update Fire Hydrant Details

Update Detail 360-1, and add Wet Barrel Option (360-2) and Details (360-3). Scott Zipprich said he was unable to attend the last water/sewer working group meeting, but the group reviewed the hydrant details, and those comments were incorporated in the new details provided in the packet. Changes included making mechanical joint restraints the default, and ghosting the thrust blocks. He said he needs to clean up a dimension from the steamer, and asked for additional comments. There was discussion about the minimum clearance being 36" from the center of the hydrant. Other agencies, such as Goodyear typically have larger clearances. A clearance for landscaping was also discussed, so hoses wouldn't be punctured by cactuses, for example. Thrust blocks were discussed, and will remain an option since they are used by Glendale and Phoenix. Mark Ivanich suggested removing the corey type at the bottom of the hydrant. Jim Badowich and other members agreed. Mr. Nebeker said they are rarely used anymore. Mr. Badowich suggested final changes could be presented to the committee next month with a potential vote in July.

8. Case 11-16: Modify Section 415: Steel Flexible Metal Guardrail

Update Section 415 based on the Maricopa County Supplement. Reference New Details. Peter Kandarlis handed out a page that provided examples of language for temporary guard rail end sections from the MUTCD and the Arkansas DOT. He suggested using the Arkansas language, which was straightforward. He said he researched options for that met the standard listed, and it included things such as barrels and collapsible barriers. Mr. Herz asked how difficult they were to install. Mr. Kandarlis responded that it depended on the equipment used. There was discussion about whether this specification could be used for maintenance. Mr. Ramos said he thought it could, but recommended it be a specification intended for new construction.

9. Case 11-18: Update Section 350: Removal of Existing Improvements

Add language in Section 350.2 for utility removal, and payment requirements. Mr. Kandarlis said he did not receive any comments and would like to vote on the case at the June meeting.

10. Case 11-21: Add new Section 623: Special Bedding for Mainline Storm Drain Pipe

Incorporate City of Phoenix supplement 623 into the MAG standards. Syd Anderson said he was not able to attend the last water/sewer meeting, but that he understood there was related discussion. Jim Badowich said ADS provided additional information on the trench widths and installation procedures for HDPE pipe. The trend was to create separate specs for rigid and flexible pipe. Working group members discussed adding a table to the HDPE section for trenches since they are different than MAG's specification. There was also discussion about flexible pipe deflection and testing methods including laser and mandrel tests. Denny Galvin of ADS said but mandrel testing was simple and provided a pass/fail condition, whereas laser profile testing is expensive and open to interpretation. Mr. Kandaris said knowing that the pipe has reached its anticipated deflection is important to know before paving above it. Syd Anderson said if you use slurry on top you don't need to worry about it. Bob Draper agreed, and said different options for different pipe types required more time to review. Bob Herz said at the county pipe under 48" is backfilled with slurry.

New 2012 Cases

11. Case 12-01: Miscellaneous Corrections

Correct Typo in Section 610.3. Gordon Tyus said Warren White identified that the word 'project' in Section 610.3 should be 'product.' This update was added as Case 12-01 D.

12. Case 12-02: Asphalt Concrete Low Traffic Gyration Levels

Modify Section 710 Asphalt Concrete to include low traffic gyration level specifications. Jeff Benedict said there were no changes to the case and thought it was ready for a vote. Bob Herz moved to accept the case as presented. Jim Badowich seconded the motion. A voice vote was taken. The case was approved 11 yes, 0 no, 1 abstained, 4 not present.

13. Case 12-03: Revisions to Detail 250-2 DRIVEWAY ENTRANCES

Update Sidewalk Widths to 4' in Detail 250-2 Driveway Entrances. Bob Herz discussed the revised Detail 250-2 provided in the packet. The detail modified the existing MAG detail to show a 4' sidewalk instead of the current 3' width around the driveway entrance. As discussed, the detail tried to reduce the amount of concrete by keeping the walkway parallel to the driveway warp. Mr. Herz said doing this created a joint that is at a slight angle with approximately an 8" offset front to back. Representatives from Scottsdale and Tempe also submitted sample driveway entrance details that kept the joints square, but had different offsets. Tom Wilhite described Tempe's detail. It included circled notes that Tempe added regarding placement of contraction joints and monolithically pouring the driveway entrance. Bob Draper asked about the sidewalk concrete thickness and suggested it match the driveway near the entrances so that it would not break when cars drive over it. There was also discussion about when and how much of the asphalt street would need to be removed. Tempe's detail showed 2 feet; however, Mr. Badowich said they try not to remove any, but if

they do, it is typically 4 feet. Jason Mahkovtz said the extra 2 feet helps match the cross slope. Brian Gallimore said for new subdivisions, where the asphalt street is new, you should try and avoid replacing the asphalt. Margie Torres said Peoria will mill down to match. Bob Herz said he will evaluate all the suggestions and other details and continue work on revisions.

14. Case 12-04: Revisions to Section 317: Asphalt Milling

Revise Asphalt Milling to address dust control measures on milled surfaces open to traffic. Jeff Benedict said the new version handed out was revised during the asphalt working group meeting. It used language provided by Gilbert, but modified it to clarify that half of the tack is used for dust control. Warren White said Chandler still has some concerns over the word 'shall' because they worry about track-out. Mr. Benedict asked for final comments.

15. Case 12-05: Modifications to Table 711-1

Revise Paving Asphalt Performance Grading System Requirements. Jeff Benedict said there were no comments or changes since the last meeting at proposed to vote on the case during the June meeting.

16. Case 12-06: New Detail 249: Modified Entrance

Create a new entrance detail meeting ADA requirements for straight sidewalks. Warren White provided an updated Alley Entrance updating an older MAG Detail 260. Basically the detail flattened out the driveway and added info for the back right-of-way. Rod Ramos asked if the driveway was poured monolithically. Syd Anderson suggested the concrete be thicker at 8 inches. Tom Wilhite said he would like to see the curb on the backside, and/or the elevation changes behind the entrance. Rod Ramos also discussed the grading in the alley, and said the driveway needed to meet the maximum ADA allowable cross slope. Mark Ivanich noted that the sidewalk could be under water during a storm.

17. Case 12-07: Revisions to Section 332.6: Protection of Uncured Surface

Add language to include a work plan for uncured slurry protection. Jami Erikson was not present to provide an update; however, Jeff Benedict said the asphalt working group reviewed it. He said he thought the case seemed unworkable, and suggested rather there should be specifications on what to do to fix any damage that may occur.

18. Case 12-08: Section 611: Disinfecting Water Mains – Addition of Refreshing Plans

Modify Section 611.17 to include a "Keep Fresh Plan" to assure safe water quality. Case sponsor, Jami Erikson, was not present; however, Jim Badowich said the case was discussed at the water/sewer meeting. He suggested this may be difficult to implement, especially for cities that have limited water availability. Troy Tobiasson said Goodyear does not have the water to do this. Scott Zipprich suggested that final testing would only last an X amount of time or the lines would require retesting before connection. Mr. Badowich and Mr. Tobiasson

said their agencies have severed lines and capped them for unused sections such as abandoned subdivisions. Ms. Torres said Peoria has flushed abandoned lines, retested and found them to be okay for connection.

19. Case 12-09: ASTM Updates

A. *Update ASTM references to steel standards in Section 770.* Peter Kandarlis said he did not have any new ASTM updates, or any changes to the current case. Chair Tobiasson suggested a vote during the June meeting.

20. Other New and Potential Cases

None were introduced.

21. Plan for Reviewing MAG Specifications and Details

Troy Tobiasson introduced discussion on the topic of setting up a procedure for the periodic review of MAG specs and details based on a standard schedule. The idea would be to ensure the complete book is reviewed more proactively. Tom Wilhite suggested the committee look at a five year plan that systematically reviews the book. Jeff Hearne discussed how ASTM typically reviews each section on a regular schedule and reports it was reviewed, even if no changes were made. Peter Kandarlis produced a spreadsheet last year to highlight what working groups could review different sections. He said he could provide this info. Troy Tobiasson said additional working groups may be needed to review sections currently not looked at by existing groups, such as an administrative group and/or one for miscellaneous specs and details that the outside working group previously worked on. Gordon Tyus said the Table of Contents in the MAG book has the date each section or detail was last reviewed. Tom Wilhite said he would work on developing a protocol and report back.

22. Discussion on Managing Agency Supplements

Chair Tobiasson introduced the issue of incorporating agency supplements in MAG. He said when agencies add a supplement; they should bring it to the committee to possibly update MAG. He warned about the proliferation of supplements, and said that when he started in Goodyear, the public works department had many supplements identical to MAG requirements. Mark Ivanich said their supplement is approved by the city council, and is not frequently updated. The last approved version for Glendale was in 2002. Mr. Tobiasson said it has been four years since their supplement was approved. Peter Kandarlis said that when the MAG book is updated, agencies should remove any supplements no longer necessary. Mr. Wilhite admitted that revising their supplements got shoved down the list of priorities. Rod Ramos said Scottsdale's development department creates new standards and details, and he thinks development and design should not be creating construction specifications. Mr. Tobiasson commended cities that have recently reviewed their supplements such as Chandler and Gilbert, and encouraged other agencies to do the same, and to share information and best practices.

23. Working Group Reports

Chair Tobiasson asked for reports from the working groups.

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

Jim Badowich said most of what the group discussed had been related earlier in the meeting when covering specific cases. He said the next meeting is scheduled for May 15th at 1:30 p.m. at the MAG office, and encouraged more turn out.

b. **Specifications and Details Outside the Right-of-Way Working Group**

Peter Kandaris said he would like to return to the group's original intent on reviewing specs outside the right-of-way. The next meeting is scheduled for May 22nd at 1:30 p.m. the MAG office.

c. **Asphalt Working Group**

Jeff Herne said the next meeting was scheduled for May 24th at noon at the ARPA office on 9th Avenue and Adams Street in Phoenix.

d. **Materials Working Group**

Brian Gallimore said the materials group would be part of the asphalt working group meeting since most of the participants are the same.

e. **Concrete Working Group**

Jeff Hearne said they discussed and provided feedback to Section 340 that Peter Kandaris had worked on. Brandon Forrey of Peoria presented ADA compliant dual sidewalk ramps developed in Peoria. Old Castle presented information on block pavers and construction. Mr. Herne said he would continue to work with contacts at Old Castle to update related specifications and details for pavers. The next meeting will follow the May 24th asphalt working group at 1:30 p.m. at the ARPA office.

24. Open General Discussion

No general discussion items were introduced.

25. Adjournment:

Mr. Tobiasson adjourned the meeting at 4:02 p.m.