

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

February 3, 2010

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

AGENCY MEMBERS

Jim Badowich, Avondale	Mike Samer, Mesa
Scott Zipprich, Buckeye	Jesse Gonzales, Peoria, Chairman
Warren White, Chandler	Jeff Van Skike, Phoenix (St. Trans.)
Dennis Teller, El Mirage	Jami Erickson, Phoenix (Water)
Edgar Medina, Gilbert	* Mark Palichuk, Queen Creek
* Tom Kaczmarowski, Glendale	* Rodney Ramos, Scottsdale
Troy Tobiasson, Goodyear, Vice Chairman	* Jason Mahkovtz, Surprise
Bob Herz, MCDOT	Tom Wilhite, Tempe

ADVISORY MEMBERS

John Ashley, ACA	Jeff Hearne, ARPA
Kwigs Bowen, NUCA	Peter Kandaris, SRP
Jeff Benedict, AGC	Paul R. Nebeker, Independent
Tony Braun, NUCA	Mike Smith, ARPA
Brian Gallimore, AGC	

MAG ADMINISTRATIVE STAFF

Gordon Tyus

* Members not attending or represented by proxy.

GUESTS/VISITORS

Phil Cisneros, Southwest Gas
Kenny Pollock, Southwest Gas
Ann Seiden, Southwest Gas
Niranjan Vescio, Stronggo

1. Call to Order

Chairman Jesse Gonzales called the meeting to order at 1:30 p.m.

2. Approval of Minutes

The members reviewed the January 6, 2010 meeting minutes. Bob Herz suggested corrections to the minutes to clarify the purposes of detectable warning domes in Case 09-13, correct the title of Case 09-14, and correct the wording for the motion to re-admit NUCA as an Advisory member with Kwigs Bowen as the primary representative and Tony Braun as the alternate. Gordon Tyus noted the misspelling of Mike Samer. Jeff Van Skike introduced a motion to accept the minutes with the corrections noted above. Bob Herz seconded the motion. A voice vote of all ayes and no nays was recorded.

3. 2009 Cases (old cases)

a. Case 09-13 – ADA-Compliant Dual Sidewalk Ramps: ADA-compliant details for 35-foot and 20-foot corner radius dual sidewalk ramps. Jesse Gonzales provided handouts comparing proposed sidewalk ramps with those currently used by the City of Phoenix. He also provided information about the City of Chicago's policy and ramp details (similar to those proposed) that were the result of a lawsuit. Members discussed the pros and cons of each design. The Chicago ramps are better aligned with the crosswalk, but questions were raised about maintenance issues, and the small curb at the corner. The Phoenix design has less sediment problems, but they are not necessarily aligned to the crosswalks. Mr. Gonzales suggested that if the committee preferred the Phoenix design, MAG could modify the Phoenix details instead.

There was also discussion about the truncated dome detectable warnings, and their shape and alignment. When the detectable warnings are placed in a rectangular grid, a small curved concrete piece in front of the warning has become a maintenance issue as it tends to break apart; however, if the curve is cut into the detectable warning material it can cut through the domes. Miranjan Vescio of Stronggo suggested that if a standard detail was adopted that specified the curve required, detectable warnings could be designed to avoid this problem.

b. Case 09-14 – Revise Ramps for ADA Compliance: Revising Details 231, 232, 233 and 234 to obtain compliance with ADA requirements. Bob Herz provided an updated drawing for Detail 232. The revised detail was designed to meet ADA by having a minimum 5' sidewalk/landing area with a back curb, and a detectable warning that went straight back. Comments included correcting the title to match existing detail 232. Mr. Herz said he expected to have new drawings for the other ramp details at the next meeting.

c. Case 09-15 – Revisions to Section 610.4 for Water Line Handling: Modify Section 610.4 to clarify water line pipe protection measures at the job site prior to placement (during storage or staging) to help prevent contamination. Paul Nebeker said he and Jesse Gonzales met with Joe Bacik of American Pipe Supply to discuss experiences with pipe protection methods including capping ends. Mr. Nebeker said that problems due to contraction and expansion of pipes caused the caps to pop off. He also said that Mr. Bacik was willing to give a presentation at a future meeting on his field experiences.

Tom Wilhite reiterated the need to keep pipe clean throughout the process, not to rely on cleaning it afterwards. He also said current specifications don't give inspectors the teeth necessary to deal with water quality problems. Paul Nebeker suggested that other parts of the specifications could be updated to inspect the pipe when delivered, and keep it grade separated and covered when stored on site, and best practices when laying pipe.

Discussion included the flushing procedure and tests used after installation. It was agreed that the current MAG 2" flow does not flush debris from pipe, and that perhaps a same diameter flush should be used instead. Troy Tobiasson described the preconstruction water guidelines used by the City of Goodyear. They were adopted to solve frequent water quality problems and excessive water use in flushing pipes. They require contractors to rent meters and use backflow prevention, and charges them for water used for flushing and for required testing. They are also required to schedule flushing times with the water department.

Additional discussion included testing for HPCs and the time allowed for chlorination and disinfection of pipes. It was suggested that a working group be formed to investigate the issue of pipe protection, testing and related issues. Mr. Tobiasson was tasked with getting key agency and advisory members together to begin work on these issues.

4. 2010 Cases (new cases)

d. Case 10-01a – Miscellaneous Bloopers: Correct typographic errors in Section 317 Asphalt Milling. Bob Herz asked the committee for any additional comments on the case.

e. Case 10-02 – Utility Pothole Repair: Revise and add keyhole repair to Detail 212. Warren White submitted this case to revise Detail 212 to include an alternate method of utility pothole repair using a keyhole. This method currently is primarily used by Southwest Gas. The procedure creates a core that is removed so work can be done and then replaces it, usually on the same day. The new detail makes minor corrections to the existing pothole detail and adds a type "B" keyhole repair detail with general notes on the procedure.

Ann Sieden, Phil Cisneros and Kenny Pollock from Southwest Gas introduced themselves, and described the keyhole repair process. Questions included use by other utilities (it has been used by the water district in Las Vegas) and if there were problems with compaction and failures. Kenny Pollock said this method has been used since 1990 without failure. CLSM is not used, but rather mechanical compaction is performed and monitored for quality control by use a compaction wave measuring device. A bonding agent is also added around and below the pavement core, which strengthens and seals the repair. He also said the bonding agent is commercially available to contractors. Bob Herz said there should be written specifications for the keyhole coring and repairing process in addition to the detail. Peter Kandarlis said the idea was to get the detail out for committee comment, with the goal to keep the process as generic as possible, but additional specifications could be added. Ann Sieden said that Southwest Gas was willing to give a

presentation on the process to committee members at a future meeting, and provide written materials on the process.

5. General Discussion:

Reflective Street Markers

Bob Herz suggested that since Rod Ramos was not present at the meeting, this issue be postponed to a future meeting when Mr. Ramos would be able to present Scottsdale Detail 2363. Chairman Gonzales concurred.

ARPA Concrete Working Group Meeting

Jeff Herne described the progress of the working group on the process of updating the Controlled Low Strength Materials (CLSM) sections of the MAG Specifications. He said that in addition to revising the materials section (728) the group was also planning to revise the applications section (604). He noted there was good discussion on methods of testing the flow of the mix at the last meeting. Mr. Herne announced the next meeting of the Concrete Working Group would be Thursday, February 11, 2010 at 1:30 p.m. at the ARPA office.

MAG Trash Rack Detail 502-2

Jesse Gonzales handed out some possible revisions to Detail 502-2 to prevent trash from going around the rack as it currently is designed. Redlines added to Detail 502-2 showed bars flayed out on each side to help create a barrier to trash entering the pipe. He also handed out a sample detail of a commercial grate installation for reference. Mr. Gonzales said Phoenix has a detail, but it is designed more for the outlet end, to prevent access to the pipe. He said there often are problems with contractors using the trash rack/inlet and access barrier/outlet interchangeably. Peter Kandarlis said he could bring in sample details that SRP uses, and Scott Zipprich said he had photos he can share.

Forward to the Specifications Book

Peter Kandarlis described a problem SRP recently had with a large engineering firm that used the MAG Specifications inappropriately and sometimes incorrectly on a recent private development. He said he was working on a draft to update the Forward to the MAG Specifications to better explain the intended purpose and scope of the document in relationship to public works/right of way projects and private development projects. Several members related problems of using MAG specification inappropriately, and the need for specific engineering on projects. Jesse Gonzales also mentioned the need for a separate guide for public works projects not in the right-of-way. Members were supportive of updating the forward and encouraged Mr. Kandarlis to bring a draft to a future meeting.

6. Adjournment:

The meeting was adjourned at 3:20 p.m.