

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

September 5, 2007

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

AGENCY MEMBERS

Jim Badowich, Avondale
Steven Borst, Buckeye
David Fern, Chandler
Mark Weiner, Gilbert
Tom Kaczmarowski, Glendale
Troy Tobiasson, Goodyear
Bob Herz, MCDOT
Gordon Haws, Mesa

Jesse Gonzalez, Peoria
Jeff Van Skike, Phoenix (St. Trans.)
Jami Erickson, Phoenix (Water)
* Gerald Wright, Queen Creek
Rodney Ramos, Scottsdale
Don Moseley, Surprise
James Bond, Tempe

ADVISORY MEMBERS

John Ashley, ACA
Jeff Benedict, AGC
Brian Gallimore, AGC
Peter Kandararis, SRP, Vice Chairman
Don Cornelison, ARPA

Adrian Green & Amanda McGinnis for
Don Green, ARPA
Paul R. Nebeker, Independent
William Ast, NUCA
Dale Phelan, NUCA

MAG ADMINISTRATIVE STAFF

Gordon Tyus

* Members not attending or represented by proxy.

GUESTS/VISITORS

Jim Sterne, City of Phoenix (Water Services)
Stew Waller, Arizona Cement Association

1. Call to Order

Chairman, Bob Herz, called the meeting to order at 1:30 p.m.

2. Approval of Minutes

The members reviewed the August 1, 2007 meeting minutes. Jami Erickson noted that a change was needed for Case 07-13 discussion. The fourth paragraph should read as follows:

“The committee recognized that there is a need for both a wet barrel and a dry barrel specification, but that the revision presented would be only for the **dry** barrel application.”

Gordon Haws introduced a motion to accept the minutes as modified. Jesse Gonzalez seconded the motion. A voice vote of all ayes and no nays was recorded.

3. 2006 Cases (old cases)

- a. **Case 06-04 – Reduced cement content for Reinforced Concrete Pipe (RCP) mixes, Section 735.** Revisions to Section 735 to use ASTM C76 requirements for fly ash and cement, eliminate minimum fly ash percentage, and eliminate minimum cement content. David Fern introduced a motion for a vote on the case as presented. Rodney Ramos seconded the motion. A vote of 9 yes, 2 no, 0 abstentions and 3 not present was recorded.

4. 2007 Cases (new cases)

- a. **Case 07-02 – Revisions to Asphalt Concrete, Sections 321 and 710:** Major re-writes of Asphalt Concrete placement and materials Sections 321 and 710 as proposed by the Asphalt Paving Technical Committee (APTC). The committee and sponsors agreed to carry over this case to next year so that all comments received to date could be incorporated.
- b. **Case 07-03 – PVC Catch Basins, Proposed New Details 535-2, 535-3, 537-2, 539-2, 542-1 through 4, and 543-1 through 5:** Details to allow the use of PVC catch basins. No new revisions were available for review. Dale Phelan hopes to have updated details by the next meeting so that a vote could be taken on the case. If not, this case will be carried over to next year. Members were requested to be prepared to vote on this case at the next meeting.
- c. **Case 07-04 – Revision to Water Service Taps, Section 631.3.5:** Removing requirements for insulation of copper service pipe at corporation stops with dielectric insulators. Gordon Haws introduced a motion to vote on the case as originally presented. He proposed that a new detail showing water meter box construction could be introduced next year, but that this case should be considered as a separate issue. Troy Tobiasson seconded the motion. A vote of 8 yes, 1 no, 2 abstentions and 3 not present was recorded.
- d. **Case 07-05 – Revision to Fire Hydrant Installation, Detail 360:** Gordon Haws proposed that the case be limited to the original proposal to add a new note allowing the use of joint restraint systems along with thrust blocks. After discussion, the committee agreed to minor word changes to better clarify the case (from “can” to “may” on new Note 7 and changing pipe type references from CIP to DIP). Jesse Gonzalez stated that he would propose a new wet barrel detail next year. Gordon Haws introduced a motion to

vote on the case as modified. Rodney Ramos seconded the motion. A vote of 12 yes, 0 no, 0 abstentions and 2 not present was recorded.

e. **Case 07-06 – Revision to Section 104, Scope of Work:** Add order of precedence for contract documents and eliminate gender-specific wording. Bob Herz handed out a revision based on comments from the last meeting. Gordon Haws pointed out that the list did not include agency supplemental details. Troy Tobiasson also noted that Section 102.2, paragraph 3 uses a similar order of precedence for bid documents. The committee agreed that the proposed revision to Section 104 and the existing Section 102 are both needed since each is used for different work phases, but that they should have similar wording and order. Bob proposed to add “addenda” to the list in Section 102.2, include agency supplemental details in the new order of precedence in Section 104, and modify the item noting standard details to insure that the reference is to the MAG standards. He then moved to vote on the case as revised. Rodney Ramos seconded the motion. A vote of 13 yes, 0 no, 0 abstentions and 1 not present was recorded.

f. **Case 07-08 – Revision to Section 615.2, Sewer Line Construction:** Provide water ponding tolerances inside sewer pipe. The committee agreed that there is a need for this case since there is no standard for present field practices using video inspection of pipes. Paul Nebeker and Brian Gallimore explained the necessity for more work on the proposed changes since they do not address equipment calibration or technician qualifications, nor is there uniform agreement on the proposed tolerance limits. There was general agreement that video-based tolerances were also needed for manholes and pipe inverts. The committee agreed to carry over this case to next year.

g. **Case 07-09 – Revision to Detail 145, Safety Rail:** Require steel reinforcing around anchors placed in concrete walls that support safety rails. The committee was concerned that the proposed changes could result in confusion in the field about who would provide reinforcement detailing and where this detailing would be presented. Rodney Ramos suggested the revision state that Type 1 through 3 anchor plate details require special design for standard MAG headwalls. It was agreed that another note be added to Detail 145 explaining that the project plans would show anchor details for single reinforced and non-reinforced walls. Bob Herz moved to vote on the case as revised. Jesse Gonzalez seconded the motion. A vote of 13 yes, 0 no, 0 abstentions and 1 not present was recorded.

h. **Case 07-10 – Deletion of Obsolete Details:** Deletion of Type C redwood pavement terminations in Detail 201 and deletion of curb warning beacons in Detail 221. Bob Herz moved to vote on the case as presented. Jesse Gonzalez seconded the motion. A vote of 13 yes, 0 no, 0 abstentions and 1 not present was recorded.

i. **Case 07-11 – Revision to Detail 370, Vertical Realignment of Water Mains:** Include an option for realignment of ductile iron mechanical joint. The committee discussed lengths required for retrofit projects, use of both joint restraints and thrust blocks, and minimum clearances for sewer crossings. Jesse Gonzalez requested and the

committee agreed to carry over this case to next year. Members are to provide Jesse feedback for any needed modifications into the proposed changes.

j. Case 07-12 – Revision to Detail 404-2, Water & Sanitary Sewer Separation/Protection: Adding language to clarify the location of pipe and joint restraints to insure that fittings/couplings do not fail and create cross-contamination. The committee noted both new and retrofit work still need to be addressed. Jesse Gonzalez requested and the committee agreed to carry over this case to next year. Members are to provide Jesse feedback for any needed modifications into the proposed changes.

k. Case 07-13 – Revisions to Section 756, Fire Hydrants: Modify Section 756 by providing performance criteria that will reduce maintenance and operation issues with fire hydrants. Jami Erickson handed out revisions with changes requested from the last meeting and Jim Sterne discussed these latest modifications. The committee discussed case items including options for agencies to have their own approved product list, maintenance requirements allowing work done without removing the entire upper barrel section, burial depth requirements, and 304 stainless steel nut and bolt requirements. It was agreed that the wording would be changed so that (a) hydrants would be suitable for installation in a 42 to 66 inch depth of bury, and (b) all nuts and bolts of the factory hydrant to be buried below ground would be of a minimum 304 stainless steel. A number of agencies wanted to have their water departments review these final modifications prior to a vote. Any questions or comments need to be provided to Jami or Jim Sterne (602-262-6509) before the next meeting. Members were requested to be prepared to vote on this case at the next meeting.

l. Case 07-14 – Revisions to Section 505, Concrete Structures: Modify Section 505 as requested by the supplements subcommittee to reduce the number of agency supplements to this section. Bob Herz handed out changes to proposed revisions as discussed during the last meeting. These changes included compaction requirements for structural backfill and replacing the word “pour” with “place” for concrete. The committee discussed a number of items in Section 206 including (a) over-excavation requirements (modified wording to clarify that the cost of backfill replacement would not be at the contractor’s expense if requested by the agency), (b) changing “structure” to “structural” backfill, (c) allowing backfill material options, (d) allowing backfill lifts thicker than 8 inches, and (e) allowing exceptions to the 72 hour limit for backfill against fresh poured concrete catch basins. Bob proposed to make changes in these areas and have the section ready for final review at the next meeting. Members were requested to be prepared to vote on this case at the next meeting. If necessary, this case may be carried over to next year for a vote.

5. General Discussion:

There were no discussion items.

6. Adjournment:

The meeting was adjourned at 4:08 p.m.