

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

July 11, 2007

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

AGENCY MEMBERS

Jim Badowich, Avondale	* Jesse Gonzalez, Peoria
Steven Borst, Buckeye	Jeff Van Skike, Phoenix (St. Trans.)
David Fern, Chandler	Jami Erickson, Phoenix (Water)
* Mark Weiner, Gilbert	* Gerald Wright, Queen Creek
* Tom Kaczmarowski, Glendale	* Rodney Ramos, Scottsdale
Troy Tobiasson, Goodyear	* Don Moseley, Surprise
Bob Herz, MCDOT	James Bond, Tempe
Kelly Jensen, Mesa	

ADVISORY MEMBERS

John Ashley, ACA	Don Green, ARPA
Jeff Benedict, AGC	Paul R. Nebeker, Independent
Brian Gallimore, AGC	William Ast, NUCA
Peter Kandarlis, SRP, Vice Chairman	Dale Phelan, NUCA
Tom Kennedy for Don Cornelison, ARPA	

MAG ADMINISTRATIVE STAFF

Gordon Tyus

* Members not attending or represented by proxy.

GUESTS/VISITORS

John Shi & Yugantha Perera, MCDOT
Derek Von Cannon, ADS-Nyloplast
Mike Hook & Tiffany Ward, Hansen Pipe and Precast
Gordon Haws, City of Mesa
Mark Glock, City of Phoenix (Materials Lab)
Brian Parks, City of Phoenix (Fire Department)
Jim Sterne & Greg Ramon, City of Phoenix (Water Services)

1. Call to Order

Chairman, Bob Herz, called the meeting to order at 1:34 p.m.

2. Approval of Minutes

The members reviewed the June 6, 2007 meeting minutes. Jeff Van Skike introduced a motion to accept the minutes as written. Steven Borst 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 eliminate the minimum fly ash and cement requirement. A review of the case was provided by David Fern. Since there are members that still appears to be concerned over the proposed modifications, David will invite an expert from the concrete and cement industry to the next meeting to discuss the topic and answer questions. A representative from the City of Phoenix Materials Lab will also attend to provide their perspective on the on the proposed changes.

4. 2007 Cases (new cases)

- a. **Case 07-01A – Miscellaneous Corrections:** Dimension correction to Detail 535 catch basin type “F”. Paul Nebeker requested the detail include an invert depth dimension. James Bond agreed and will have the change included with the revised detail for the next meeting. Members were requested to be prepared to vote on this case at the next meeting.

- b. **Case 07-01B – Miscellaneous Corrections:** Drafting correction to Detail 222 single curb. Brian Gallimore requested the detail include a note that formed depth not exceed the overall depth of the curb when base course extends deeper than the bottom of the curb. Bob Herz agreed and will have the change included with the revised detail for the next meeting. Members were requested to be prepared to vote on this case at the next meeting.

- c. **Case 07-01C – Miscellaneous Corrections:** Typographic correction to Section 105.5 titled “Cooperation of Contractor”. The committee had no discussion on this item. Members were requested to be prepared to vote on this case at the next meeting.

- d. **Case 07-01D – Miscellaneous Corrections:** Bob Herz presented a correction to Detail 510 titled “Corrugated Metal Pipe and Installation”. He found that a metric dimension of 0.6m was noted on the CMP connection detail. This is an English detail and should be note as 24 inches. Members were requested to be prepared to vote on this case at the next meeting.

e. **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). Written comments on modifications were provided by MCDOT and SRP to Sections 321 and 710, respectively. Don Green stated that these comments would be reviewed and responses prepared for the next meeting. Committee members were requested to continue reviewing the modifications and provide written comments as soon as possible.

f. **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:** Dale Phelan provided changes to proposed Details 537-2, 542-1 and 543-1 to make them more generic and improve constructability. The committee suggested additional changes to these details, including definitions on abbreviations that are not referenced in Section 101, changing reference descriptions of other MAG details, inclusion of CLSM backfills, providing minimum bedding depths below sumps, changing compacted lift thicknesses to be more compatible with other MAG specifications, and showing stub out locations so that pipes would not be placed under and parallel with gutters. There was also a discussion on the fabrication of basin sumps. Dale noted that the changes would be made and revisions prepared by the next meeting.

g. **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. Jami Erickson said that this practice was still being required for the light rail work, but that light rail will have its own detail showing the insulation requirements. Kelly Jensen stated that he would contact Jesse Gonzalez to discuss a new detail showing the insulation installation for water service taps, but suggested that the members be prepared to vote on the basic case at the next meeting. The new detail could be moved to next year's agenda as a new case. Members were requested to be prepared to vote on this case at the next meeting.

h. **Case 07-05 – Revision to Fire Hydrant Installation, Detail 360:** Add a new note to allow the use of joint restraint systems along with thrust blocks. The committee discussed the work up to this time, noting that either MAG Detail 360 be modified to incorporate the joint restrain modifications shown in City of Peoria Detail PE-360-1 or the Peoria detail be altered to replace the MAG detail by including multiple fire hydrant types used by all agencies. Kelly Jensen stated that he would contact Jesse Gonzalez to discuss the preferred approach and would provide the committee with a final recommendation at the next meeting.

i. **Case 07-06 – Revision to Section 104, Scope of Work:** Add order of precedence for contract documents and eliminate gender-specific wording. Bob Herz stated that he would review comments received to date and provide an update at the next meeting.

j. **Case 07-07 – Revision to Section 109, Measurements and Payments:** Clarification of language when duplicate Weighmaster's Certificates are to be provide to the Engineer, clarification on equipment payment rate calculations, and references state statutes that

govern retention. Bob Herz noted that all comments had been included in the last revision. Members were requested to be prepared to vote on this case at the next meeting.

k. **Case 07-08 – Revision to Section 615.2, Sewer Line Construction:** Gerald Wright requests clarification of language for pipe and grade tolerances. The committee had no discussion on this item.

l. **Case 07-09 – Revision to Detail 145, Safety Rail:** Adding a new note requiring calculations be performed for use of rail anchor types 1, 2 and 3. Bob Herz stated that he would review comments received to date and provide an update at the next meeting.

m. **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. The committee had no discussion on this item. Members were requested to be prepared to vote on this case at the next meeting.

n. **Case 07-11 – Revision to Detail 370, Vertical Realignment of Water Mains:** Include an option for realignment of ductile iron mechanical joint. Paul Nebeker prepared review comments and will send them to Jesse Gonzalez so that they can be included in the proposed changes.

o. **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. Paul Nebeker prepared review comments and will send them to Jesse Gonzalez so that they can be included in the proposed changes.

p. **Case 07-13 – Revisions to Section 756, Fire Hydrants:** Jami Erickson proposes to modify Section 756 by providing performance criteria that will reduce maintenance and operation issues with fire hydrants. The result of these revisions will also be to reduce the number of fire hydrant brands that would be allowed. Brian Parks gave a presentation to the committee on the City of Phoenix fire hydrant maintenance program. The committee discussed these changes and suggested that using performance-based criteria in the specification would be preferred to including a limited list of hydrant vendors. Agencies would still be able to have their own limited list of vendors that would meet the specifications. Gordon Tyus was requested to provide a color copy of the proposed changes on the MAG website for review. Members were requested to review and return with comments for the next meeting.

q. **Case 07-14 – Revisions to Section 505, Concrete Structures:** Bob Herz proposes to modify Section 505 as requested by the supplements subcommittee to reduce the number of agency supplements to this section. Changes to Sections 101.2, 105.2 and 206 will result from the proposed revisions to Section 505. In general, the revisions include defining minor structures, defining construction tolerances, referencing more current national standards, defining dowel anchorage/placement requirements, requiring falsework certification, addressing bridge deck joint assemblies, and adding a section on

measurement with an expanded payment section. Gordon Tyus was requested to provide a color copy of the proposed changes on the MAG website for review. Members were requested to review and return with comments for the next meeting.

5. General Discussion:

a. John Ashley reviewed the latest progress of the supplements subcommittee. He provided a list of 52 supplements that involve only one agency and recommended that each agency using these supplements determine if they could be incorporated into the current MAG sections and details. John also recommended that agencies review the most current MAG sections and details to determine if some of their supplements could be eliminated due to changes to the MAG documents over the past few years. The subcommittee will meet again on July 26th at 1:30 pm.

b. The committee thanked the City of Chandler for recently hosting a seminar on ADA design issues. This seminar provided members with federal agencies contacts who can give current information on ADA requirements. The information obtained from the seminar will allow members to submit cases next year for updating sidewalk and driveway details.

6. Adjournment:

The meeting was adjourned at 3:17 p.m.