

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

April 2, 2008

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

AGENCY MEMBERS

Jim Badowich, Avondale	Gordon Haws, Mesa
Steven Borst, Buckeye	* Jesse Gonzalez, Peoria
Warren White, Chandler	Jeff Van Skike, Phoenix (St. Trans.)
Dennis Teller, El Mirage	Jami Erickson, Phoenix (Water)
* Kelli Kurtz, Gilbert	Mark Palichuk, Queen Creek
Tom Kaczmarowski, Glendale	Rodney Ramos, Scottsdale
Troy Tobiasson, Goodyear	Loren Kelley, Surprise
Bob Herz, MCDOT	James Bond, Tempe

ADVISORY MEMBERS

John Ashley, ACA	* Adrian Green, ARPA
Jeff Benedict, AGC	Paul R. Nebeker, Independent
Brian Gallimore, AGC	William Ast, NUCA
Peter Kandararis, SRP, Vice Chairman	Dale Phelan, NUCA
James Carusone, ARPA	

MAG ADMINISTRATIVE STAFF

Gordon Tyus

\* Members not attending or represented by proxy.

GUESTS/VISITORS

Marivel Cano, Tensar International  
Derek Von Cannon, ADS-Nyloplast  
Jeff Nielson, Contech Construction Products, Inc.  
John Rapacz, TekWay Dome-Tiles

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 March 5, 2008 meeting minutes. Rodney Ramos introduced a motion to accept the minutes as written. John Ashley seconded the motion. A voice vote of all ayes and no nays was recorded.

3. 2007 Cases (old 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). Jeff Benedict gave a progress report on recent committee meetings for resolving comments, noting that a consensus had been reached on the penalty portion of Section 321. The technical committee expects to finish resolving Section 321 comments at the next meeting and begin work on Section 710 comments. APTC will meet at the ARPA offices (916 W. Adams Street, Phoenix) on April 10<sup>th</sup> at 11:30am to continue the work.

b. **Case 07-03A – PVC Catch Basins, Proposed New Details 535-2, 535-3, 537-2 & 539-2. Case 07-03B – Inlet Structures, Proposed New Details 542-1 through 4 & 543-1 through 5:** Details to allow the use of PVC catch basins and inlet structures. Revised details were distributed to members along with photographs clarifying PVC basin neck fit on metal basin castings. Committee members recommended that tolerances on grates and frames be clearly identified to insure that maximum gaps are less than ½” and that the pivot adjustment shown on Detail 543-3 be sufficiently detailed for fabrication. Dale Phelan will address comments and provide revisions for the next meeting.

c. **Case 07-08 – Revision to Section 615.2, Sewer Line Construction:** Provide water ponding tolerances inside sewer pipe. Jami Erickson has located City of Phoenix specifications for video inspection of liners and will provide a copy to Mark Palichuk. Mark will prepare revisions for the next meeting.

d. **Case 07-11 – Revision to Detail 370, Vertical Realignment of Water Mains:** Include an option for realignment of ductile iron mechanical joint. The committee had no discussion on this item. Jesse Gonzalez will have revisions for the next meeting.

e. **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 had no discussion on this item. Jesse Gonzalez will have revisions for the next meeting.

4. 2008 Cases (new cases)

a. **Case 08-01 – Revisions to Borrow Excavation, Section 210:** Defining acceptance criteria for import borrow material. Jim Carusone noted that ADOT has similar requirements for import fill soils. Bob Herz said he will contact the person who

developed the criteria for the county to get an explanation of its origin. Brian Gallimore expressed concern over the possible misuse of more strict import fill requirements. The cost of import to meet the new section requirements could be substantial, so he emphasized that there should be a clear understanding of where this fill is to be used (within the road prism). Brian also requested that the section clearly state contractor and agency responsibility for meeting the new acceptance criteria with import from agency-specified sources. Bob will prepare revisions for the next meeting to address the discussion items. Committee members were requested to continue reviewing the proposal and return with comments for the next meeting.

b. **Case 08-02 – New Section 317, Asphalt Milling:** Construction requirements for milling existing asphalt concrete. No new comments were provided at this time. Bob will prepare revisions for the next meeting based on prior comments.

c. **Case 08-03 – New Section 325, Asphalt – Rubber Concrete Overlay, Gap Graded:** Material and construction requirements for gap-graded asphalt-rubber concrete used as an asphalt pavement. Jeff Benedict and Jim Carusone provided written comments on the proposed new section, including a comparative table of asphalt-rubber pavement mix design requirements from ADOT, MCDOT, and the Cities of Glendale, Mesa and Phoenix. Jeff and Jim noted that there is a subcommittee working on binder and aggregate gradation aspects of the mix design and they expect to have specific recommendations for changes in a few weeks. Members were requested to continue reviewing the new section and provide any additional comments at the next meeting.

d. **Case 08-04 – New Details 180-1 & 180-2, Portable Water Tank Fill Pipe and Backflow Prevent Details:** Approved methods for filling portable water tanks and trucks. Warren White stated that he is continuing to discuss with water quality groups the need for the new details. Steve Borst provided an excerpt from the Arizona Administrative Code and a page from the USC Cross-Connection Control Manual. He noted that any new details must not be in conflict with these documents. The committee continued discussing whether the MAG standards should address this issue. Steve will work with Warren White to determine the best way to address these issues and will get back to the committee with possible case revisions.

e. **Case 08-05 – Revisions to Safety Post Detail 140:** A revision to incorporate multiple agency safety post designs and include hazard marker requirements with the existing safety post detail. Warren White provided changes to the detail that included revisions as suggested during the previous meeting. It was noted that removable bollards still need to be included in the detail and that separate details may be needed for safety posts/bollards and hazard markers. Members were requested to continue reviewing the new detail revisions and provide comments at the next meeting.

f. **Case 08-06 – Modification to Storm Drain Construction, Section 618.3:** Additions to include leakage test procedures for HDPE storm drain pipes and require video inspection before final paving is allowed. After discussion, the committee agreed that the testing requirements be modified to include all pipe types and not be limited to just

HDPE. Brian Gallimore asked for a clarification about the location of pipe joints to be tested. After a discussion, members agreed that the three specified joints to be tested will be at locations selected by the agency engineer and remove any reference to specific locations from the section. Jeff Van Skike will prepare revisions based on the discussions.

g. **Case 08-07 – Modification to Measurements and Payment, Section 109:** Revisions to better define compensation with change orders. Gordon Haws provided revisions that flagged the proposed changes. Committee members were requested to review the proposed changes and return with comments for the next meeting.

h. **Case 08-08 – Modification to Subgrade and Trench Compaction, Sections 301.3 and 601.4:** Revisions to modify subgrade compaction requirements and include tolerances for optimum moisture. Gordon Haws provided revisions that flagged the proposed changes. Members were concerned that the optimum moisture range may not be adequate for difficult soils and suggested that the range may be applicable as a default value. It was also recommended that the term “Other traffic ways” in Section 301.3(B) be better defined. Committee members were requested to review the proposed changes and return with comments for the next meeting.

i. **Case 08-09 – Modification to Sewer Manhole Construction, Subsection 625.3.1:** Additions to sewer manhole frame and cover construction. Upon review of the present MAG requirements, Gordon Haws determined that the changes proposed were already adequately addressed in the MAG section. The case was withdrawn.

j. **Case 08-10 – Modification to Trench Backfill and Pavement Replacement, Detail 200, Section 336 and Section 601:** Revisions to eliminate numerous agency trench backfill and pavement replacement supplemental details by combining the most common practices. The members discussed the use of ½-sack cement versus 1-sack cement controlled low strength material backfill and reviewed the changes proposed for “T-top” pavement repairs. Committee members were requested to continue reviewing the proposal and return with comments for the next meeting.

k. **Case 08-11 – Revisions to Driveway Entrance Detail 250:** Changes to make sidewalk installations in driveway entrances ADA compliant (revisions as requested by the supplements subcommittee). Jeff Van Skike stated that the City of Phoenix recently drafted similar changes for driveway ADA compliance and recommended that the committee review these prior to any final revisions to MAG specifications. The committee discussed sidewalk minimum and maximum distances back of curb in proposed Detail 250-1. Members recommended increasing commercial and industrial drives thickness from 6 inches to 9 inches, looking at other driveway details and styles that may be more applicable to the proposed modifications, and widening the wing portion of the sidewalk transition by another 5 feet with vertical curbs. Bob Herz will prepare revisions for the next meeting to address the discussion items. Committee members were requested to continue reviewing the proposal and return with comments for the next meeting.

l. **Case 08-12 – New Section 331, Microsealing, and Section 714, Microsurfacing Materials:** New sections (currently part of the City of Phoenix supplements) for pavement microsurfacing materials. Jeff Van Skike provided revisions to the new sections, including placement requirements within a new Section 331. Committee members were requested to continue reviewing the new sections and return with comments for the next meeting.

m. **Case 08-13 – Modification to Manhole, Valve Box and Water Meter Box Adjustments, Section 345:** Revisions to require contractors be responsible for locating and referencing the location of utilities during surface improvement projects so that needed adjustments are performed (revisions as requested by the supplements subcommittee). Jeff Van Skike summarized the proposed changes and requested committee members review the proposal and return with comments for the next meeting.

n. **Case 08-14 – Revisions to Utility Pothole Repair Detail 212:** Jeff Van Skike presented a revision to MAG Detail 212 to allow multiple backfill and asphalt concrete materials for repair of utility potholes. At present, only ½-sack cement CLSM backfill and 12.5 mm asphalt concrete are allowed for repairs, with asphalt concrete placed within 4 hours of CLSM backfill. The proposed change allows agencies more flexibility to insure that more backfill and asphalt concrete products are available and eliminates the time restriction. Committee members were requested to review the proposal and return with comments for the next meeting.

5. General Discussion:

John Ashley said that the supplements subcommittee will meet on Wednesday, April 23<sup>rd</sup> at 1:30 pm at MAG's offices to review the progress of their work. He also noted that the concrete modernization subcommittee will next meet at 1:30 pm on Wednesday, May 14<sup>th</sup> at the ARPA offices (916 W. Adams Street, Phoenix).

John Rapacz with TekWay Dome-Tiles introduced himself to the committee.

Jeff Nielson with Contech Construction Products requested that a committee member sponsor a new specification on PVC storm drain materials.

6. Adjournment:

The meeting was adjourned at 3:40 p.m.