

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

June 4, 2008

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

AGENCY MEMBERS

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

ADVISORY MEMBERS

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| John Ashley, ACA
Jeff Benedict, AGC
Brian Gallimore, AGC
Peter Kandarlis, SRP, Vice Chairman
James Carusone, ARPA | Don Cornelison for Adrian 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

John Rapacz, StrongGo, LLC (Tekway Dome Tiles)
Dennis Shoffner, StrongGo, LLC (Tekway Dome Tiles)
Eric Whitney, Contech Construction Products, Inc.

1. Call to Order

Chairman, Bob Herz, called the meeting to order at 1:32 p.m.

2. Approval of Minutes

The members reviewed the May 7, 2008 meeting minutes. John Ashley introduced a motion to accept the minutes as written. Gordon Haws seconded the motion. A voice vote of all eyes 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 and James Carusone explained that the technical committee review work was complete. Members were requested to review proposed revisions to Sections 321 and 710 and return with comments for the next meeting.

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. Dale Phelan handed out revised details that addressed all previous comments and feed back from various agencies. Dale also made a CD on PVC catch basin case histories available to members. Discussion by the committee included revising the drawings to better define the location of the slab under curbs/gutters and changing backfill shading to denote differences between subgrade and backfill behind curbs. Members were requested to continue reviewing the new details and provide any additional comments at the next meeting.

c. **Case 07-08 – Revision to Section 615.2, Sewer Line Construction:** Provide water ponding tolerances inside sewer pipe. The committee had no discussion on this item. Mark Palichuk is waiting on input from his public works department will prepare and update as soon as this is received.

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. Bob Herz summarized changes to the case after the last series of comments. After committee discussion, it was decided that unless

specifically requested by the engineer, borrow fill meeting the proposed quality requirements should be limited to areas within the roadway prism. Bob will make changes per the discussion and requested members to be prepared to vote on this case at the next meeting.

b. **Case 08-02 – New Section 317, Asphalt Milling:** Construction requirements for milling existing asphalt concrete. Bob Herz provided revisions based on comments from the last meeting. After discussion, members were requested to be prepared to vote on this case at the next meeting.

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. The committee had no discussion on this item. Bob Herz will prepare revisions for the next meeting based on earlier comments. 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. The committee discussed the applicability of including these details within the MAG Standards and Details documents. Steven Borst remarked that these types of details identify water department operational or water quality practices, not public works construction practices and are already covered by Arizona Administrative Code. A number of members explained that these types of details are needed by their agencies and that a single reference source would provide the best approach. After discussion, members recommended that agencies should not include these details within their supplements, but have their water departments provide them to contractors when supplying hydrant meters. The case was withdrawn by Warren White.

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 handed out a revised detail that addressed previous comments. Discussion by the committee included renaming “safety post” as “bollards”, making separate details for bollards and hazard markers, deleting the note referencing a specific bollard height for bin enclosure use, consolidating hazard marker Notes 2 and 5, changing the term “reflective sheeting” to “retro-reflective sheeting”, and removing notes and drawings identifying pavement adjacent to bollards. The members also request that Peter Kandaris find out the function of the through drill hole for removable bollards. Warren will prepare revised details for the next meeting based on the comments.

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. Jeff Van Skike reviewed the case. After committee discussion Jeff noted that he would consult with City of Phoenix construction and design departments to find out what types of pipe are actually being tested and would report back to the committee at the next meeting.

- g. **Case 08-07 – Modification to Measurements and Payment, Section 109:** Revisions to better define compensation with change orders. The committee had no discussion on this item. Gordon Haws will have revisions 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. The committee had no discussion on this item. Gordon Haws will have revisions for the next meeting.
- i. **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 committee had no discussion on this item. Committee members were encouraged to review the proposal and return with comments for the next meeting.
- j. **Case 08-11 – Revisions to Driveway Entrance Detail 250 and Section 340:** Changes to make sidewalk installations in driveway entrances ADA compliant. Bob Herz provided revised details based on comments and included changes to Section 340. Discussion by the committee included squaring driveway wing areas and redrawing Section A-A to have the gutter and drive thicknesses match. Bob Herz will prepare revised details for the next meeting based on the comments.
- k. **Case 08-12 – New Section 331, Microsealing, and Section 714, Microsurfacing Materials:** New sections for pavement microsurfacing materials and placement. Jeff Van Skike said that he had just received comments and will prepare revisions for the next meeting based on the comments. Members were requested to continue reviewing the new sections and provide any additional comments at the next meeting.
- l. **Case 08-13 – Modification to Manhole, Valve Box and Water Meter Box Adjustments, Section 345:** Revisions to require contractors be responsible for locating utilities during surface improvement projects to insure adjustments are performed. Jeff Van Skike handed out changes based on comments from the last meeting. Jeff Van Skike said he will make minor language changes as discussed and requested members to be prepared to vote on this case at the next meeting.
- m. **Case 08-14 – Revisions to Utility Pothole Repair Detail 212:** Revision to MAG Detail 212 to allow multiple backfill and asphalt concrete materials for repair of utility potholes. Jeff Van Skike said that he will modify the detail to note ½-sack controlled low-strength material or other agency approved material as pothole backfill and include other changes as discussed in previous meetings He will prepare a new revision for the next meeting. Members were requested to continue reviewing the new section and provide any additional comments at the next meeting.
- n. **Case 08-15 – Revisions to Catch Basin Grate on Detail 535:** As part of the review of Case 07-03, Dale Phelan discovered that end bars on catch basin grates are being

centered on grate bars, resulting in an unnecessarily wide space between frames and grates at the pavement surface. He suggested that the end bars be made flush with the top of grates or change the size of the end bars to match the width of the grate bars. Bob Herz will prepare revisions to the detail for the next meeting.

o. **Case 08-16 – Revisions to Concrete Cut-Off Wall Detail 552:** Clarify requirements for concrete surfaced ford crossings. Bob Herz presented a revision to the concrete surfacing note in the typical ford cross section to clarify that Class A concrete is to be used for this purpose. Concrete surface ford requirements shown on the detail conflict with requirements of Section 324 (use of 3500 psi strength mix) for concrete pavement material. Committee members were requested to review the proposal and return with comments for the next meeting.

p. **Case 08-17 – Revisions to Residential Speed Hump Detail 210:** Remove contradictory language for speed bump height tolerance. Bob Herz proposed deleting the note under Section A-A which requires humps to be at least 3 inches high. Note 1 already provides a hump tolerance of 3 to 3.25 inches. After discussion, members were in general agreement that detail only required one set of tolerances. Members were requested to be prepared to vote on this case at the next meeting.

5. General Discussion:

Steven Borst reminded members to submit their cases, comments and revisions in electronic form to speed up internal agency review. Because of the large volume of cases it is important to send comments and revisions in electronic form to Gordon Tyus as quickly as possible so they can be posted on the committee's website.

John Ashley announced that the concrete modernization subcommittee will next meet at 1:30 pm on Wednesday, June 13th at the ARPA offices (916 W. Adams Street, Phoenix).

Jeff Benedict said that AGC had received an inquiry on how approval could be obtained for the use of recycled asphalt concrete pavement in batch plant hot mixes. The rising cost of oil is rapidly driving up the price of asphalt hot mix. ARPA will be preparing a position paper on the topic.

6. Adjournment:

The meeting was adjourned at 3:34 p.m.