

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

March 7, 2007

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

AGENCY MEMBERS

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

ADVISORY MEMBERS

- |                                             |                              |
|---------------------------------------------|------------------------------|
| John Ashley, ACA                            | Don Cornelison, ARPA         |
| Jeff Benedict, AGC                          | Don Green, ARPA              |
| Amanda McGennis for Brian Gallimore,<br>AGC | Paul R. Nebeker, Independent |
| Peter Kandaris, SRP, Vice Chairman          | William Ast, NUCA            |
|                                             | Dale Phelan, NUCA            |

MAG ADMINISTRATIVE STAFF

Gordon Tyus

- \* Members not attending or represented by proxy.

GUESTS/VISITORS

Pat Glenn, ADS-Nyloplast  
Derek Von Cannon, ADS-Nyloplast

1. Call to Order

Chairman, Bob Herz, called the meeting to order at 1:31 p.m.

## 2. Approval of Minutes

The members reviewed the February 7, 2007 meeting minutes. Jim Bond noted that his name should appear as the sponsor for Case 07-01A instead of Kelly Jensen. John Ashley introduced a motion to accept the minutes as amended. 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 eliminate the minimum fly ash and cement requirement. The committee had no discussion on this item.

## 4. 2007 Cases (new cases)

- a. **Case 07-01A – Miscellaneous Corrections:** Dimension correction to Detail 535 catch basin type “F”. Jim Bond will prepare revisions for the next meeting based on the discussion from the January meeting.
- b. **Case 07-01B – Miscellaneous Corrections:** Drafting correction to Detail 222 single curb. The committee had no discussion on this item.
- c. **Case 07-01C – Miscellaneous Corrections:** Typographic correction to Section 105.5 titled “Cooperation of Contractor”. The committee had no discussion on this item.
- d. **Case 07-02 – Revisions to Asphalt Concrete, Section 710:** Major re-writes of Asphalt Concrete materials Section 710 as proposed by the Asphalt Paving Technical Committee.

Bob Herz requested that base mix as shown in the new proposed Table 710-2 for Marshal Mix designs use a size designation similar to the other mixes; it should also be included with Table 710-3 for gyratory mix designs. The term “nominal maximum aggregate size” needs to be defined or described in the section.

Peter Kandaris questioned the proposed elimination of the restricted zone. Don Green and Don Cornelison explained that these provisions have not worked and have been found to be unnecessary from research done by the National Center for Asphalt Technology. The basis for the restricted zone is from empirical work using a unique aggregate source and has not been found universally applicable. Crushing requirements have been more effective in producing stable mixes with more fractured and angular sands. It was also noted that the proposed revisions now require minimum cement content as mineral filler.

Tom Kaczmarowski requested that changes in gradation tables from the present section be highlighted so that revisions will be easier to identify.

The revision notes indicate acceptance criteria presently in sections 710.4-710.6 is to be moved to 321.10. It was requested to have those modifications shown as part of this case.

The sponsors stated that they will attempt to provide proposed Section 321 revisions at the next meeting and will make changes to Section 710 per comments provided today. Members were also requested to review the proposed changes in more detail and return with comments for the next meeting.

e. **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:** A presentation on PVC catch basins was made by Derek Von Cannon of ADS-Nyloplast. Jesse Gonzalez questioned the application of PVC catch basins in the right of way. The sponsors were also requested to more fully dimension and annotate proposed details, including dimension tolerances, material requirements, grate angle tolerances and details of the sump. Since the type of pipe entering catch basins can vary, the details should show generic pipe in lieu of corrugated HDPE. Allowable construction methods to field-modify the sump should be provided in the details to prevent confusion. The sponsors will make changes to the new details for next month's meeting.

f. **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 noted that this requirement is needed for installations around the new light rail construction. Since some committee members had not seen this done in the field, Jami said that she would do further investigation into this issue.

g. **Case 07-05 – Revision to Fire Hydrant Installation, Detail 360:** Add a new note to allow the use of joint restraint systems or thrust blocks. Members provided a number of suggestions including elimination of thrust block entirely in lieu of joint restraint systems, use of ductile iron pipe instead of CIP between the valve and the hydrant, providing tolerances for the pipe runout between the valve and shoe, and use of fitting to maintain right angles. It was also suggested that the sponsor review Scottsdale's supplemental hydrant details. The sponsor was requested to review the suggestions and provide comments for the next meeting.

h. **Case 07-06 – Revision to Section 104, Scope of Work:** Bob Herz proposes adding order of precedence for contract documents and elimination of gender-specific wording (see attached). Bob provided suggested modifications with the proposed changes. Members were requested to review and return with comments for the next meeting.

i. **Case 07-07 – Revision to Section 109, Measurements and Payments:** Bob Herz proposes clarification of language when duplicate Weighmaster's Certificates are to be provide to the Engineer, clarification on payment rate calculations, and add references to state statutes that govern retention requirements for alternative procurement delivery methods. During discussions members remarked that including a specific payment rate factor will require MAG standard updates anytime ADOT makes changes and suggested

that the wording be modified so that the section references the current rate factor without specifying a number. Members were requested to review and return with comments for the next meeting.

5. General Discussion:

- a. David Fern handed out information from the League of Arizona Cities and Towns that opposes HB 2066 (a bill proposing to mandate political subdivisions to locate and mark privately owned sewer laterals on request). This responsibility is presently with entities that plan to perform underground work on private property.
- b. Amanda McGinnis provided information on a one-day workshop to be held at ASU's downtown campus on April 23, 2007 discussing optimizing hot mix asphalt volumetrics and field compactability (Bailey Method).
- c. Bob Herz received an inquiry concerning problems associated with sanitary sewer lateral pipe connections separating within the right-of-way when being extended for use by the adjacent property. Paul Nebeker stated that he has performed repairs where this has happened. Paul noted that problems generally happen when contractors are connecting private systems to lateral stub-outs, the damage occurs when the pipe is snagged by the contractor results in pulled pipe sections. Other members noted that damage also seems to happen at 45 degree bends within the R/W. The committee generally agreed that the problem is with on-site trade construction practices. Options discussed to help limit the problem include requiring longer stub-out extensions into private property, installing joint restraints at connections and bends within the R/W, and requiring a push-on joint at the property line. A sponsor will be required and a detail will need to be created or modified to address this issue.
- d. Gordon Tyus noted that printed copies of the Specifications and Details Inventory are available to members that had requested hard copies.
- e. Dale Phelan stated that ADS was hosting half-day seminars on March 12 and 13, 2007 regarding recent changes in EPA storm water rules and guidelines. Contact Dale by telephone or email to reserve a space.

6. Adjournment:

The meeting was adjourned at 3:05 p.m.