

June 28, 2007

TO: Members of the MAG Specifications and Details Committee

FROM: Robert Herz, Maricopa County DOT, Chairman

SUBJECT: MEETING NOTIFICATION AND TRANSMITTAL OF AGENDA

Wednesday, July 11, 2007 at 1:30 p.m.
MAG Office, Second Floor, Cholla Room
302 North First Avenue, Phoenix

The meeting of the MAG Specifications and Details Committee will be held at the place and time indicated above. The agenda for the meeting is provided below. **Please park in the garage under the building. Bring your ticket to the meeting, parking will be validated. For those using transit, the Regional Public Transportation Authority will provide transit tickets for your trip. For those using bicycles, please lock your bicycle in the bike rack in the garage.** Please call me at (602) 506-4760 if you have questions about the upcoming meeting.

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AGENDA

<u>ITEM</u>	<u>COMMITTEE ACTION REQUESTED</u>
1. <u>Call to Order</u>	1. No action required.
2. <u>Approval of June 6, 2007 Meeting Minutes</u>	2. Corrections and approval of June 6, 2007 minutes.
3. <u>2006 & 2007 Cases</u>	3. Review of pending cases and submission of new cases for consideration. NOTE: This is the last meeting for submittal of new cases for consideration this calendar year.
4. <u>Inventory Subcommittee Report</u>	4. For information and discussion.
5. <u>General Discussion</u>	5. For information and discussion.
6. <u>Adjournment</u>	6. No action required.

2007 PROPOSED REVISIONS TO MAG SPECIFICATIONS AND DETAILS

CASE	DESCRIPTION	PROPOSED BY	MEMBER	SUBMITTAL DATE Last Revision	VOTE DATE	VOTE
06-04	Reduce cement content requirement for RCP section 735.4 (C)	Chandler	David Fern	5/03/2006 8/04/2006		Yes No Abstain
07-01	Miscellaneous Bloopers Case A – Correct Catch Basin wall thickness in detail 535.	Mesa	Kelly Jensen	1/03/2007 4/11/2007		0 Yes 0 No 0 Abstain
07-01	Miscellaneous Bloopers Case B – Detail 222, Correct Type A formed height.	MCDOT	Bob Herz	2/07/2007 2/07/2007		0 Yes 0 No 0 Abstain
07-01	Miscellaneous Bloopers Case C – Section 105.5, Correct wording in first sentence.	Mesa	Kelly Jensen	2/07/2007 2/07/2007		0 Yes 0 No 0 Abstain
07-02	Revision/ Re-Write Section 710 & Section 321	ARPA	Don Green	2/07/2007 4/13/2007		0 Yes 0 No 0 Abstain
07-03	PVC Catch Basins - New Details 535-2, 535-3, 537-2, 539-2, 542-1 through 4, and 543-1 through 5.	NUCA	Dale Phelan	2/07/2007 5/02/2007		0 Yes 0 No 0 Abstain
07-04	Section 631.3.5 Service Taps – Revise dielectric insulator requirements.	Mesa	Kelly Jensen	2/07/2007 2/07/2007		0 Yes 0 No 0 Abstain
07-05	Detail 360 – Revise to allow restrained joints.	Mesa	Kelly Jensen	2/07/2007 2/07/2007		0 Yes 0 No 0 Abstain
07-06	Revision to Section 104 Scope of Work	MCDOT	Bob Herz	3/07/2007 3/07/2007		0 Yes 0 No 0 Abstain
07-07	Revision to Section 109 Measurements and Payments	MCDOT	Bob Herz	3/07/2007 3/07/2007		0 Yes 0 No 0 Abstain
07-08	Revision to Section 615 Sewer Line Construction – Clarify tolerances for pipe versus trench bottom.	Queen Creek	Gerald Wright	5/02/2007		0 Yes 0 No 0 Abstain

2007 PROPOSED REVISIONS TO MAG SPECIFICATIONS AND DETAILS

CASE	DESCRIPTION	PROPOSED BY	MEMBER	SUBMITTAL DATE Last Revision	VOTE DATE	VOTE
07-09	Detail 145, Safety Rail – Adding reinforcement requirement for anchor types 1, 2 and 3.	MCDOT	Bob Herz	5/02/2007 5/02/2007		0 Yes 0 No 0 Abstain
07-10	Deletion of Obsolete or Unused Details 1. Delete Type ‘C’ from Detail 201 Pavement Section at Termination. 2. Delete the Curb Warning Beacon from Detail 221 Curb and Gutter	MCDOT	Bob Herz	5/02/2007 5/02/2007		0 Yes 0 No 0 Abstain
07-11	Revision to Detail 370, Vertical Realignment of Water Mains	Peoria	Jesse Gonzalez	6/06/2007		0 Yes 0 No 0 Abstain
07-12	Revision to Detail 404-2, Water & Sanitary Sewer Separation/Protection	Peoria	Jesse Gonzalez	6/06/2007		0 Yes 0 No 0 Abstain

* Case was approved with verbal modifications at time of voting.

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

June 6, 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
David Ramirez, Goodyear	* Don Moseley, Surprise
John Shi for Bob Herz, MCDOT	James Bond, Tempe
* Kelly Jensen, Mesa	

ADVISORY MEMBERS

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

MAG ADMINISTRATIVE STAFF

Gordon Tyus

* Members not attending or represented by proxy.

GUESTS/VISITORS

Marivel Cano, Tensar International
Derek Von Cannon, ADS-Nyloplast
Stew Waller, Arizona Cement Association

1. Call to Order

Vice Chairman, Peter Kandaris, called the meeting to order at 1:35 p.m.

2. Approval of Minutes

The members reviewed the May 2, 2007 meeting minutes. Members noted that the word “committee” was misspelled in Case 07-02, the word “readily” was misspelled in Case 07-07 and the word “embeds” was misspelled in Case 07-09. Mark Weiner introduced a motion to accept the minutes as amended to correct spelling errors. Jeff Van Skike 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”. James Bond provided an updated detail correction including a new note requiring a maximum ½-inch clearance between the basin frame and grate (see attachment). John Ashley spoke on the need for a minimum tolerance to insure proper fit. After discussion, the members agreed that a minimum tolerance would be unnecessary since fit problems would be corrected in the field or by the vendor. Committee members were requested to review the modifications and provide comments by the next 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, 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). Members noted that they were still working on written comments. Don Cornelison stated that extensive changes were made to Section 321 to clarify the responsibilities for agencies, developers and contractors. John Shi remarked that Section 321 revisions make contractors responsible for plant quality control instead of agencies (owners). Don noted that this change was needed for projects constructed under permit or where the owner/agency does not have the resources to perform up-front testing. After discussion, members agreed that more work would be needed with definitions to help the work process and to integrate agencies in the QC process. Don emphasized that good written comments will be very helpful in making requested improvements to the revisions. Committee members were requested to review the modifications and provide written comments by the next meeting.

MSWord files of revisions to Sections 710 and 321 can be found on the MAG website at: <http://www.mag.maricopa.gov/event.cms?item=6615>.

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:** Dale Phelan handed out product data for PVC catch basins manufactured by Freedom Plastics, Inc., and Olympic Foundry, Inc. so members could compare the proposed details to insure that they are inclusive for multiple manufacturers and not proprietary to one vendor (see attachments). After discussion, the committee requested the sponsor to again review the proposed details to make them more generic and improve constructability. Members were requested to review the details and provide comments for the next 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. Jesse Gonzalez provided a City of Peoria water meter box location and construction detail and a proposed MAG draft detail showing the insulation installation for water service taps (see attachments). He noted that the draft detail included comments from Scottsdale. After discussion it was decided that members should review the details and provide comments for the next meeting.

g. **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. Jesse Gonzalez provided a City of Peoria fire hydrant installation detail that requires the use of joint restraints (see attachment). He recommends eliminating thrust blocks in Detail 360 in lieu of joint restraints. The members discussed possible standardization of fire hydrants used by the various agencies and a review of fire hydrant details to insure that they meet the latest fire code. The committee was requested to decide whether to modify MAG Detail 360 to incorporate the joint restrain modifications shown in the Peoria detail, or just make changes to the Peoria detail to include all fire hydrant types used by agencies. The goal is to keep only one comprehensive detail and eliminate the need for supplements.

h. **Case 07-06 – Revision to Section 104, Scope of Work:** Add order of precedence for contract documents and eliminate gender-specific wording. David Fern provided the committee a copy of the order of precedence used by Chandler (see attachment). Members were requested to bring their lists and orders of precedence to the next meeting to be included in the revision.

i. **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. The committee had no discussion on this item.

j. **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.

k. **Case 07-09 – Revision to Detail 145, Safety Rail:** Bob Herz proposes adding a new note requiring calculations be performed for use of rail anchor types 1, 2 and 3. The

committee had no discussion on this item and was requested to provide comments for the next meeting.

l. **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. Committee members agreed that it is desirable to update the specifications and details to eliminate obsolete practices. This case will be discussed at the next meeting.

m. **Case 07-11 – Revision to Detail 370, Vertical Realignment of Water Mains:** Jesse Gonzalez proposes including an option for realignment of ductile iron mechanical joint (see attachment). Members were requested to review and return with comments for the next meeting.

n. **Case 07-12 – Revision to Detail 404-2, Water & Sanitary Sewer Separation/Protection:** Jesse Gonzalez proposes adding language to clarify the location of pipe and joint restraints to insure that fittings/couplings do not fail and create cross-contamination (see attachment). Members were requested to review and return with comments for the next meeting.

5. General Discussion:

a. Peter Kandararis noted that the next committee meeting in July will be the last one that new cases can be submitted.

b. John Ashley gave a report on the progress of the supplements subcommittee. He noted that the subcommittee had met and developed a list of details and specification sections to be modified that would reduced or eliminated agency supplements (see attached). The prioritization included details and specification sections with 10 or more agency supplements. The subcommittee also solicited committee members to take on the task of making modifications. Per a request from last meeting, Gordon Tyus provided copies of all MAG and agency supplement sidewalk standards and details to committee members. The subcommittee identified four subjects (backflow protection for portable water tanks, safety posts, sign posts and barricades) which had numerous agency supplements but no similar MAG details that could be made part of the MAG standards and details. The members agreed that the work should proceed as recommended and members should begin preparing cases for these revisions (probable to be presented next year). The subcommittee will meet again on June 28th at 1:30 pm.

c. Gordon Tyus stated that he had received a question from MAG's Environmental Division inquiring whether agencies had details for paving road shoulders. Dave Fern noted that Chandler has been using asphalt concrete millings for this purpose and Peter Kandararis noted that SRP was placing chip seal along facility roadsides to reduce dust. The members noted that they were not aware of any details, but the specification sections would provide guidance for any agency desiring to place roadside pavement.

d. Jim Badowich asked members if any of their agencies were using PVC megalug joint restraints. Paul Nebeker stated that he has used the products for a number of projects, specifically at 99th Avenue and Glendale Road.

e. Tom Kaczmarowski told the committee that the City of Glendale will be installing pervious concrete at a 27-acre park-and-ride site as a pilot project. He also provided a brochure from the Arizona Cement Association on the product.

f. Peter Kandarlis updated the committee on the progress of the Arizona Geological Survey and the Arizona Land Subsidence Group's work with earth fissure and subsidence mapping. The AZGS issued its planning maps on June 4th and these maps were available to the public through the AZGS website.

6. Adjournment:

The meeting was adjourned at 3:37 p.m.