

January 18, 2006

TO: Members of the MAG Specifications and Details Committee
FROM: Robert Herz, Maricopa County DOT, Chairman
SUBJECT: MEETING NOTIFICATION AND TRANSMITTAL OF AGENDA

Wednesday, February 1, 2006, 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 Compass Bank 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.

Pursuant to Title II of the Americans with Disabilities Act (ADA), MAG does not discriminate on the basis of disability in admissions to or participation in its public meetings. Persons with a disability may request a reasonable accommodation, such as a sign language interpreter, by contacting Gordon Tyus at the MAG Office at (602) 254-6300. Requests should be made as early as possible to allow time to arrange the accommodation.

AGENDA

<u>ITEM</u>	<u>COMMITTEE ACTION REQUESTED</u>
1. <u>Call to Order</u>	No action required.
2. <u>Approval of January 4, 2006 Meeting Minutes</u>	Corrections and approval of January 4, 2006 minutes.
3. <u>Discussion B Changes to Blue Stake Laws</u>	Continuation of Discussion from January 4, 2006. Mr. Bohnenkamp from Arizona Corporation Commission will join in the discussions.
4. <u>2006 Cases</u>	For review, discussion, and submission of new cases for consideration.
5. <u>General Discussion</u>	For information and discussion.
6. <u>Adjournment</u>	No action required.

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

January 4, 2006

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

AGENCY MEMBERS

Jim Badowich, Avondale	Kelly Jensen, Mesa
David Fern, Chandler	Maher M. Hazine, Peoria
Mark Weiner, Gilbert	Jeff Van Skike, Phoenix (St. Trans.)
* Greg Rodzenko, Glendale	* Matthew Woodland, Phoenix (Water)
Tom Vassallo, Goodyear	Rodney Ramos, Scottsdale
Bob Herz, MCDOT, Chairman	Don Moseley, Surprise
Steven Borst, MCESD	James Bond, Tempe

ADVISORY MEMBERS

John Ashley, ACA	* Don Green, ARPA
Jeff Benedict, AGC	Paul Nebeker, Independent
* 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

Andrew Eldridge, Wheeler Construction

1. Call to Order

Chairman, Bob Herz, called the meeting to order at 1:35 p.m.

2. Approval of Minutes

The members reviewed the October 3, 2005 meeting minutes. Kelley Jensen requested a wording correction to the second sentence of the General Discussion on the RFP for review of MAG Specifications and Details. Jeff Van Skike introduced a motion to accept the minutes as revised. Kelley Jensen seconded the motion. A voice vote of all ayes and no nays was recorded.

3. 2006 MAG Revisions

- a. Gordon Tyus and Bob Herz noted that the 2006 revisions to the MAG Specifications and Details are printed and now available for purchase. The price remains the same as last year, \$10 per update copy.

4. 2006 Cases (new cases)

- a. **Case 06-01 – Safety Rail addition to Concrete Scupper Detail 206:** Revisions to Details 206-1 and 206-2 (dated January 4, 2006) (See Attachments). Bob Herz proposed detail modifications that would add safety rail protection to the back side of sidewalk scuppers where the drop-off distance was in excess of 12 inches. Other modifications proposed included deleting of property line references, addition of reinforcement spacing and more specifics called out on the nose angle detail. Committee discussion included possible thickening of safety rail pipe, clarification on property line references and nose angle dimensions, specifying allowable support rail spacing distances, addition of a concrete curb option with or without safety railing, location of support rails on and off the sidewalk, rail anchorage, and including better definition of the depression line in relation to the gutter line. Members were requested to review the proposed changes and return with comments for the next meeting.

5. General Discussion:

- a. Kelly Jensen requested opinions from the members on the applicability of recent blue stake law changes for sewer building connection identification to building water connections. Steven Borst noted that it was his understanding that the law revisions were intended for sewer connections only (hollow utilities) and not utilities that are readily noticed if damaged by subsurface excavation work (a number of other members agreed with this assessment). A discussion by the members ensued on the application of the new rules, specifically on how each agency was dealing with the changes (enforcement, date of application, use of new MAG Detail 440-1 through 4, etc.). Jim Badowich stated that developers have remarked about the high installation cost of identification markers and clean-outs. Steven Borst commented on resistance by developers and the Home Builders Association of Central Arizona to these installation costs. There was a consensus by the members to have a representative from the Blue Stake Center to discuss with the committee these new rules and their application.

- b. Bob Herz reviewed the status and the revised scope of the RFP to review agency supplemental specifications and details in relation to MAG Specifications and Details that was prepared by a subcommittee over the past few months (see attachment). After some discussion, it was agreed that Tasks 1-4 would remain as drafted, with options to extend the scope of Task 4 if funds were available. It was also agreed to allow the ASU Del E. Webb School of Construction to provide proposals along with consultants.

6. Adjournment:

The meeting was adjourned at 2:50 p.m.



MARICOPA COUNTY
Department of Transportation

MEMORANDUM

Date: January 4, 2006
To: MAG Specifications and Details Committee
From: Robert Herz, MCDOT Representative
Subject: Proposed Revision to Detail 206

Case 06-01

PURPOSE:

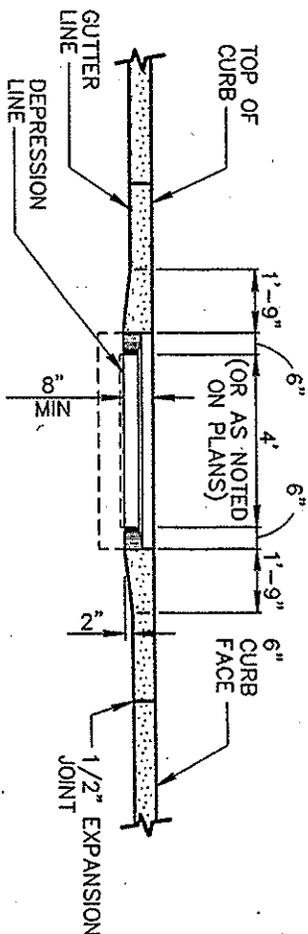
1. Add safety rail protection at the back-side of the sidewalk scupper. The drop-off distance exceeds 12-inches.
2. Add missing information.

REVISIONS to Detail 206-1:

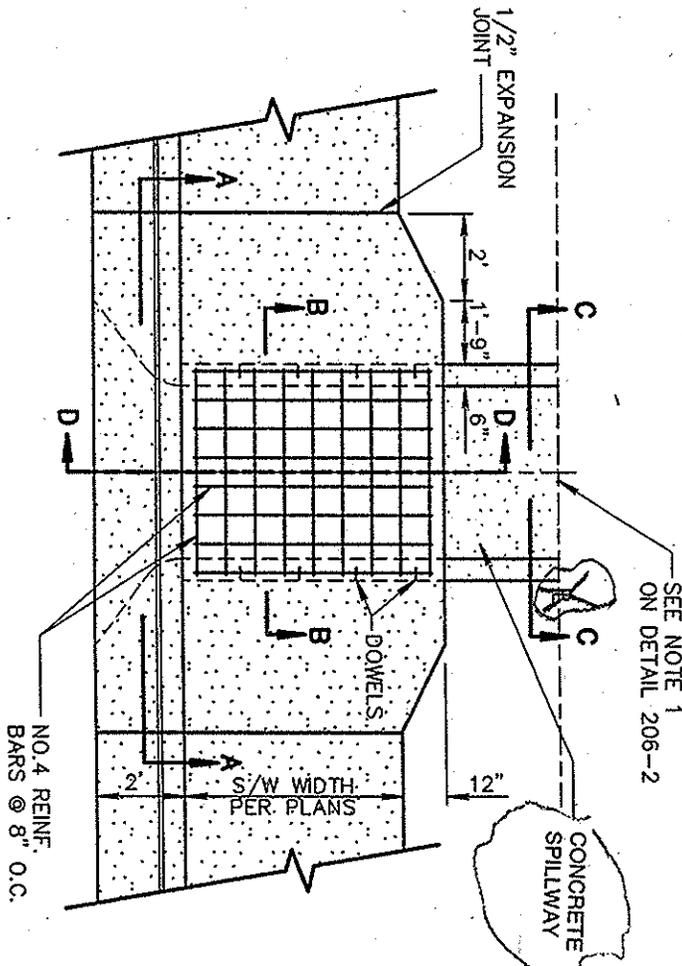
1. Section B-B, No. 4 Dowel bar note – added spacing requirement of 16” O.C.
2. Scupper Plan View
 - Deleted property line references.
 - Revised Concrete Channel label to Concrete Spillway to be consistent with Section C-C and Section D-D.

REVISIONS to Detail 206-2:

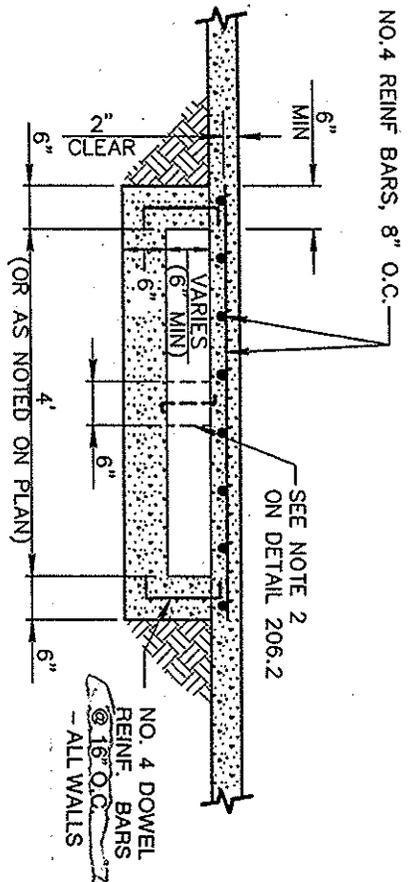
2. Section D-D – Add Safety Rail per Detail 145 at 4” offset from back edge of sidewalk.
3. Add note 5 to identify permissible safety rail anchor locations.
4. Isometric view
 - Added safety railing.
 - Deleted property line symbol at end of spillway.
5. Nose Angle Detail
 - Revised anchor bar note to reference Detail 536 and extended arrow to reinforcement.
 - Added standard curb batter information.
 - Revised nose angle call-out to be consistent with referenced Detail 536.



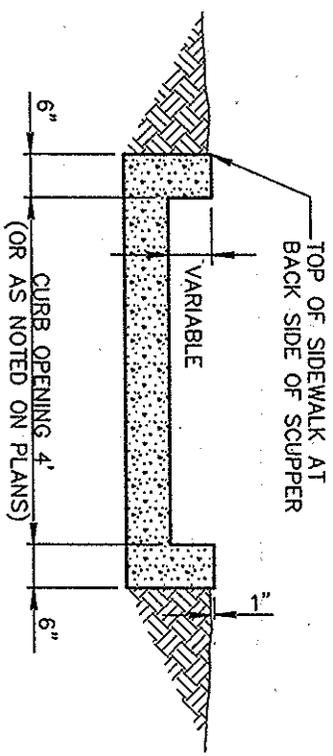
SECTION A-A



SCUPPER PLAN VIEW



SECTION B-B



SECTION C-C
SPILLWAY

NOTE:
1. UNLESS OTHERWISE NOTED, CONCRETE SHALL BE CLASS 'B' PER SECTION 725.

DETAIL NO. 206-1

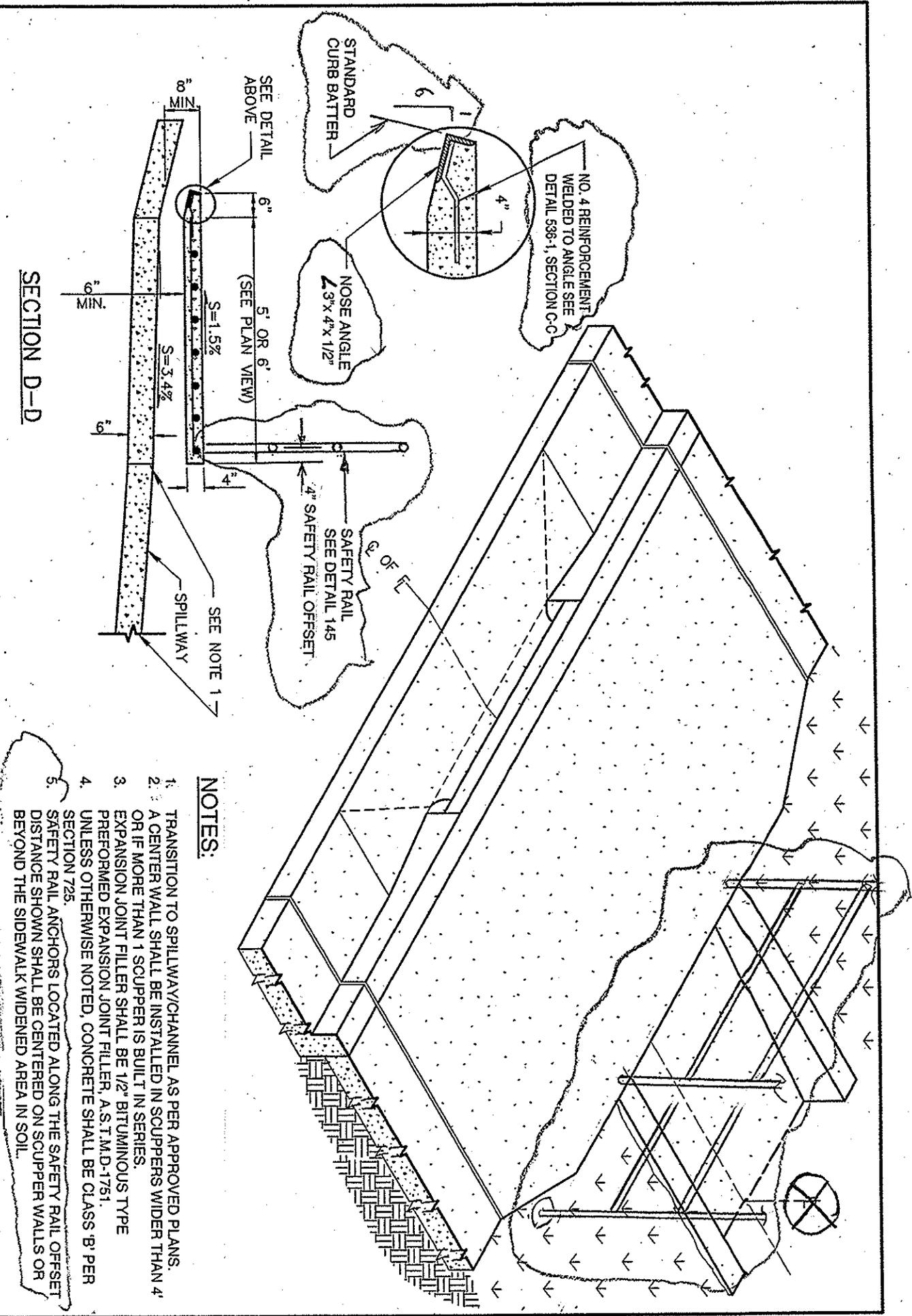
MARICOPA ASSOCIATION of GOVERNMENTS
STANDARD DETAIL ENGLISH

CONCRETE SCUPPER

REVISED

DETAIL NO. 206-1

CASE 06-01
1/4/2006



SECTION D-D

NOTES:

1. TRANSITION TO SPILLWAY/CHANNEL AS PER APPROVED PLANS.
2. A CENTER WALL SHALL BE INSTALLED IN SCUPPERS WIDER THAN 4' OR IF MORE THAN 1 SCUPPER IS BUILT IN SERIES.
3. EXPANSION JOINT FILLER SHALL BE 1/2" BITUMINOUS TYPE PREFORMED EXPANSION JOINT FILLER, A.S.T.M.D-1751.
4. UNLESS OTHERWISE NOTED, CONCRETE SHALL BE CLASS 'B' PER SECTION 725.
5. SAFETY RAIL ANCHORS LOCATED ALONG THE SAFETY RAIL OFFSET DISTANCE SHOWN SHALL BE CENTERED ON SCUPPER WALLS OR BEYOND THE SIDEWALK WIDENED AREA IN SOIL.

DETAIL NO. 206-2

MARICOPA ASSOCIATION of GOVERNMENTS

STANDARD DETAIL ENGLISH

CONCRETE SCUPPER

REVISED

DETAIL NO. 206-2

CASE 06-01
1/4/2006

Maricopa Association of Governments Request for Proposals – Specs and Details Inventory

SCOPE OF WORK

Introduction & Background

The Maricopa Association of Governments (MAG) is requesting proposals to inventory existing supplements to the Specifications and Details (Specs and Details) for Public Works Construction publication produced by MAG member agencies. The Specs and Details book is updated each year, but the publication is not prescriptive - member agencies are not required to conform to the specifications and details that it contains. As a result, over the past several years, member agencies have developed a series of Local Supplements to Specs and Details. The desired results of this inventory effort is to obtain information concerning the character and extent of existing supplements as well as gather and categorized the supplemental specifications and details. The inventory will enable the Specs and Details Committee to evaluate existing modifications for inclusion in or revision of the MAG publication.

The Maricopa Association of Governments is the designated MPO for transportation planning for the metropolitan Phoenix area. MAG is also the designated Air Quality Planning Agency for the region. The MAG membership consists of the 25 incorporated cities and towns within Maricopa County and the contiguous urbanized area, the Gila River Indian Community, the Salt River Pima-Maricopa Indian Community, Fort McDowell Indian Community, Maricopa County, the Arizona Department of Transportation (ADOT), and the Citizens Transportation Oversight Committee (CTOC). ADOT and CTOC serve as ex-officio members for transportation-related issues.

Proposed Tasks

The consultant is encouraged to be creative in developing a sound analytical approach which achieves the goals for this project. The consultant is urged to be as specific as possible when describing the activities that will be performed to support each task. The consultant is also urged to make maximum use of matrices, tables and drawings in working papers produced for the project to insure conciseness and clarity and to minimize the amount of text required. In preparing a proposal for consideration by MAG, the consultant will not be required to adhere strictly to the proposed tasks specified below. Additional tasks may be warranted.

Task 1 Conduct Document Inventory

The consultant shall conduct an inventory of supplements currently produced by MAG member agencies. The consultant shall provide a written report that at a minimum identifies the following: MAG member agencies that currently have a supplement to MAG Specs and Details, where the supplements can be obtained, the purchase cost, if the supplements are available for viewing on a website - identify the URL of the website, and frequency or dates revisions are published. Identify the software used by the agency for producing specifications. Identify the software used by the agency for producing details.

Task 2 Collect Agency Supplements

The consultant shall collect copies of all current supplements produced by MAG member agencies. The collection of supplements shall be submitted to MAG in electronic format. Details shall be in adobe acrobat reader format. Specifications shall be in an editable electronic format. The names of electronic files shall be descriptive of the contents.

Maricopa Association of Governments Request for Proposals – Specs and Details Inventory

Task 3 Conduct Document Review and Analysis

The consultant shall conduct a review and analysis of all of the supplements that MAG member agencies maintain. The analysis shall classify the supplemental specifications and details into two major categories:

Category A: Modification of existing MAG Specs and Details.

Specifications and details that modify existing MAG standards shall be grouped by specification section and detail type based on the current MAG Specs and Details organizational structure.

Category B: Topics not currently included in the MAG Specs and Details.

Specifications and details for topics not currently included in the MAG shall be grouped based on subject matter.

The consultant shall provide a report identifying the MAG sections and details that are modified, the modifying agency, and the nature of the modification. The report shall also summarize topics not currently included in the MAG Specs and Details, the authoring agency, and a brief description of the contents.

Task 4 Recommendations

Based on the review and analysis of the existing supplements provide a recommended course of action to the Specs and Details Committee.

Suggested Modifications

The prior tasks only require organizational skills for inventorying and categorizing, no engineering expertise is required. The following task modifications may require professional services.

Add to Task 3:

Category C Review current MAG Specs and Details for current state of the art.

Add to Task 4: Specifically, Category A modifications should note how specific supplements could be merged or combined with existing MAG specifications and details to create a single comprehensive document (addition of optional types, variable dimensions, etc.) Category B additions should be ranked by frequency of use by member agencies and the Consultant's opinion on overall usefulness of the standard to the member agencies.