

SUDAS District 1 Committee Meeting Minutes

February 15, 2017

The meeting was called to order at 10:05 am by Eric Cowles.

Present:

Eric Cowles, City of Ames	Jeff May, City of Clive
John Peterson, Peterson Planning Strategies	Darwin Larson, APAI
Jon Hanson, City of Altoona	Brian Mastbergen, DGR Engineering
Steve Klocke, Snyder & Associates	Eric Johnsen, Iowa DOT
Adam Lust, City of Ankeny	Ben McAllister, City of West Des Moines
Danny Sturm, JEO Consulting Group, Inc.	Brian Smith, Iowa DOT
Rob Kline, GBA	Daniel Harness, Iowa DOT
David Bovee, HR Green	Mark Crawford, Clapsaddle-Garber Associates
John Larson, City of Urbandale	Ron DeGroot, City of Des Moines
Matt Ferrier, Bolton & Menk, Inc.	John Gade, Fox Engineering
Tony Trotter, City of Fort Dodge	David Kamp, City of Des Moines
Larry Workman, City of Pleasant Hill	Paul Wiegand, SUDAS
Gordon Smith, ICPA	Beth Richards, SUDAS
Greg Mulder, ICPA	

I. Administrative

A. Election of officers

According to the corporation bylaws, the districts are to elect a Chair and a Vice-Chair from its voting membership, and elections should be held every two years (there will be no limit on consecutive terms served). The motion to re-elect Eric Cowles as the Chair and John Gade as Vice Chair was made by Jeff May and seconded by Mark Crawford. The motion was approved.

B. Minutes of the previous meeting and schedule of district meetings

The motion to approve the minutes was made by Mark Crawford and seconded by Larry Workman. The motion was approved. The committee concurred with the proposed meeting schedule.

C. Board of Directors meeting minutes

A summary of actions at the November 16, 2016 Board webinar was presented.

II. Design Manual Items

A. Water valve box types (Section 4C-1, D)

Clarifying when to use slide type valve boxes and when to use screw type boxes. The motion to approve was made by John Gade and seconded by Jon Hanson. The motion was approved.

B. Pavement thickness (Section 5F-1)

Updating truck mixes to 2014 values and added a third truck mix. Updating ESAL tables. This district wanted to add the 10 inch and 12 inch granular calculations back into the tables. Concerns about maintenance if the minimum pavement thickness was reduced. Since it still a designer choice; would just rather see the minimum to stay at 6 inches. *Note - the granular calculations were added back in and minimum thickness remains as 6 inches.*

C. Jointing of concrete roundabouts (Section 5G-6)

New section providing guidance on selecting a jointing type and layout of a jointing pattern for PCC roundabouts. The motion to approve was made by John Gade and seconded by Matt Ferrier. The motion was approved.

D. Pavement overlays (Section 5K-4)

New section for HMA and PCC overlays and associated interlayers. This district did not have any comments.

E. Buffered and separated bicycle lanes (Sections 5M-1 and 12B-3)

Expanding bicycle lane descriptions in the complete streets section and adding more detailed design information on buffered and separated bicycle lanes in Section 12B-3. One committee member suggested adding guidance about rumble strips in jointed pavements. Show the radius at corners. The

motion to approve was made by John Peterson and seconded by Jon Hanson. The motion was approved. *Note - these items will be added prior to the Board meeting.*

F. Stringless paving and automated machine guidance (Section 5N-1)

Adding a new design section to address use of stringless paving equipment and automated machine guidance. This district did not have any comments.

G. Depth of bury for polypropylene pipe (Section 9B-5)

Adding depth of bury information for polypropylene pipe. The motion to approve was made by Mark Crawford and seconded by Matt Ferrier. The motion was approved.

H. Sidewalk design guidance (Section 12A-2)

Adding information to encourage designers to look at curb ramp designs that are more constructible and discussed compliance measurement timing. The motion to approve was made by John Larson and seconded by Ron DeGroot. The motion was approved.

III. Specifications Manual Items

A. Trench stabilization materials (Section 3010, 2.05)

Adding a standard gradation option (Iowa DOT Gradation No. 13). This district did not have any comments.

B. Welder certification (Section 3020, 2.02, B, 1)

Revising to align with Iowa DOT changes in welder certification by an American Welding Society accredited facility. The motion to approve was made by John Gade and seconded by Greg Mulder. The motion was approved.

C. Stringless paving (Sections 1040, 1.05; 7010, 1.08, 3.01, and 3.02; 11,010, 3.03)

Updating requirements to allow the use of stringless paving equipment to provide information to the contractor and the equipment requirements, as well as the construction staking. This district did not have any comments.

D. Laser guided screed and concrete pumping (Section 7010, 3.01, B & C and 3.02, F)

Adding to the specifications to allow the use of laser guided screeds and concrete pumping. This district did not have any comments.

E. PCC overlay pavement (Sections 7010 and 7011)

New section for PCC overlays projects. Leave measurement and payment as is for the separation layers.

F. HMA overlay pavement (Sections 7020 and 7021)

New section for HMA overlays projects. This district did not have any comments.

G. Form setting and testing (Section 7030, 3.04 and 3.08)

Adding criteria for when the Engineer would provide staking and also requirements on the timing of compliance checks for sidewalks, curb ramps, turning spaces, and shared use paths. In 3.04, clarify that the Engineer will only provide staking if it is not a bid item. *Note - done.*

H. Pavement rehabilitation (Section 7040)

Updating information on partial depth patches and added a section on dowel bar retrofit for PCC pavements. This district did not have any comments.

I. Temporary traffic control (Section 8030)

New section to provide standard temporary traffic control layouts. On Figure 8030.105, "Flagger" is misspelled in the title block. The motion to approve was made by John Gade and seconded by Brian Mastbergen. The motion was approved. *Note - error will be corrected prior to the Board meeting.*

J. Bonded fiber matrix (Section 9010, 2.07)

Removing some of the physical requirements for hydraulic mulch so approval is based on performance and to align with the DOT. The motion to approve was made by Tony Trotter and seconded by Ron DeGroot. The motion was approved.

K. Developmental specification for fusible PVC for water mains

Adding a new product for water main construction. The motion to approve as a DS was made by John Gade and seconded by Larry Workman. The motion was approved.

IV. Other

A. Discussion Items

- *Steps in manholes - change the default?* Not a real concern - at least 2 communities in this district write them out.
- *Experiencing problems with SW-509 intake beam?* No one in this district knew of this problem.
- *Do you require contractors to use vibrators or hand tools to consolidate sidewalk and driveway concrete?* No.
- *Switching to only electronic versions of the SUDAS manuals?* This group seemed okay with the idea - suggested making the manuals available for purchase; perhaps reissuing the manual every other year and letting people purchase them. Suggestion of going to a flash drive instead of CD (ERL might be going that way). Also suggested including archived versions as well.
- *Other?* None.

B. Products and/or research

District committee members can suggest new products or research topics for potential SUDAS manual inclusion. This district did not have any suggestions at this time.

The meeting was adjourned at 1:14 pm.

Minutes were recorded by Beth Richards, SUDAS Program Coordinator.