

## SUDAS District 4 Committee Meeting Minutes

February 7, 2017

The meeting was called to order at 10:05 am by Scott Reelfs.

### Present:

Dave Vermillion, City of Council Bluffs  
Mike Hackett, Madison County  
Brad Skinner, Montgomery County  
Scott Reelfs, HGM Associates, Inc.  
Dave Sturm, Snyder & Associates  
Kevin Mayberry, Mills County

Jason Kohl, Iowa DOT  
Vince Ehlert, Iowa DOT  
George Parris, JEO Consulting Group, Inc.  
Paul Wiegand, SUDAS  
Beth Richards, SUDAS

### 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 Scott Reelfs as the Chair and Dave Vermillion as the Vice Chair was made by Dave Sturm and seconded by Mike Hackett. The motion was approved.

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

The motion to approve the minutes was made by Kevin Mayberry and seconded by Brad Skinner. 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 Scott Reelfs and seconded by Vince Ehlert. 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 would prefer using AASHTO for the temperature guidelines.

#### 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 Scott Reelfs and seconded by George Parris. The motion was approved.

#### D. Pavement overlays (Section 5K-4)

New section for HMA and PCC overlays and associated interlayers. One committee member suggested addressing cold-in-place recycling. *Note - this will be developed in the future.*

#### 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. The motion to approve was made by Mike Hackett and seconded by George Parris. The motion was approved.

#### 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 suggested adding three checks per block and qualifying the check is a maximum. *Note - Discussion will continue on appropriate design elevation verification processes.*

#### 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 Vince Ehlert and seconded by George Parris. 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 Scott Reelfs and seconded by Mike Hackett. 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 Dave Sturm and seconded by Dave Vermillion. 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 had the following comments: needs to be some sort of approval process to use stringless - before the bid; concerned with elevation issues and lack of experience with contractors; would like to tighten up the verification check; make sure the GPS language is clear. *Note - These items will be addressed as discussions continue.*

#### 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. This district did not have any comments.

#### 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. The motion to approve was made by Brad Skinner and seconded by George Parris. The motion was approved.

#### 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 Vince Ehlert and seconded by Scott Reelfs. 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 Brad Skinner and seconded by Dave Vermillion. The motion was approved.

### IV. Other

#### A. Discussion Items

- *Steps in manholes - change the default?* This district agrees with removing the steps.
- *Experiencing problems with SW-509 intake beam?* At least one member of this district has experienced this problem (with shallow inlets).
- *Do you require contractors to use vibrators or hand tools to consolidate sidewalk and driveway concrete?* This district doesn't think they do this.
- *Switching to only electronic versions of the SUDAS manuals?* Some of the heavy users in this district already use just the electronic versions. Discussed the various options.
- *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 12:54 pm. Minutes were recorded by Beth Richards, SUDAS Program Coordinator.