

SUDAS District 2 Committee Meeting Minutes
February 16, 2017

The meeting was called to order at 10:04 am by Mark Durbahn.

Present:

Michelle Sweeney, City of Cedar Falls
Mark Rahm, City of Mason City
Mark Durbahn, AECOM
Matt Hosford, City of Cedar Falls
Duane Folz, Floyd County
Dennis Gentz, City of Waterloo
Jon Biederman, Fehr Graham

Mike Danburg, SEH
Mary Kelly, Cerro Gordo County
Bob Welper, Iowa DOT
John Fallis, City of Charles City
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 elect Mark Rahm as the Chair was made by Mike Danburg and seconded by Dennis Gentz. The motion was approved. The motion to elect Dennis Gentz as the Vice Chair was made by Mike Danburg and seconded by Michelle Sweeney. The motion was approved.

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

The motion to approve the minutes was made by Bob Welper and seconded by Michelle Sweeney. 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 Mike Danburg and seconded by Jon Biederman. 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. On page 6, there are no footnotes included on the figure but they are not listed. Add the 10 inch and 12 inch granular calculations back into the tables. *Note - used AASHTO, updated the figure, and added the granular calculations back in.*

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 Michelle Sweeney and seconded by Dennis Gentz. The motion was approved.

D. Pavement overlays (Section 5K-4)

New section for HMA and PCC overlays and associated interlayers. Pavement preservation seems misleading for the part title (5K) - especially when you look at FHWA descriptions. *Note - moved overlays to a new part called "pavement rehabilitation program."*

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 Danburg and seconded by Mark Durbahn. 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 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 Bob Welper and seconded by Matt Hosford. 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 Mike Danburg and seconded by Michelle Sweeney. 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 Dennis Gentz and seconded by Michelle Sweeney. 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. Is there guidance about the type of geotextiles to use based on time of year? Add that information to the Design Manual. *Note - was already in the specs (3.02, C, 2); added the information to the design section.*

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 Mark Durbahn and seconded by Mike Danburg. 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 Michelle Sweeney and seconded by Duane Folz. 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 Duane Folz and seconded by Mike Danburg. The motion was approved.

IV. Other

A. Discussion Items

- *Steps in manholes - change the default?* Not a real concern - if we want to promote safety, then we should take them out.

- *Experiencing problems with SW-509 intake beam?* They tend to shift the pipe over or deal with it in other manners.
- *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 - some feelings both ways.
- *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 1:06 pm.

The Minutes were recorded by Beth Richards, SUDAS Program Coordinator.