

SUDAS District 6 Committee Meeting Minutes

February 22, 2017

The meeting was called to order at 10:07 am by Lee Tippe.

Present:

Patrick Schwickerath, Snyder & Associates
Lee Tippe, City of Cedar Rapids
Aaron Granquist, HR Green, Inc.
Bob Schiesl, City of Dubuque
Brian Schadt, City of Davenport
Dave Panos, City of Iowa City
Tim Cutsforth, HR Green, Inc.
Steve Gannon, Linn County
Greg Parker, Johnson County
Scott Larson, City of Coralville

Greg Shuger, Stanley Consultants
Ken DeKeyser, Hall & Hall Engineering
Darin Andresen, City of Marion
Mike Barkalow, City of Marion
Kent Ellis, Iowa DOT
Rob Davis, City of Cedar Rapids
Erv Mussman, Shive-Hattery
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 Lee Tippe as the Chair and Bob Tobin as the Vice Chair was made by Aaron Granquist and seconded by Dave Panos. 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 Schiesl and seconded by Patrick Schwickerath. 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 Tim Cutsforth and seconded by Greg Shuger. 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. Add the 10 inch and 12 inch granular calculations back into the tables. Use "recommended" instead of "required" and then include a note at the bottom that says these are recommended minimums and it's up to the Engineer. *Note - used AASHTO, added the granular calculations back in, and changed the language to recommended.*

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. This district had the following suggestions: label the intakes; include a key to identify the various types of shading; draw the splitter islands more realistically; include crosswalks (at least as a typical) or mention that this is just for jointing and you need to think about crosswalks when designing your roundabouts. The motion to approve was made by Ken DeKeyser and seconded by Aaron Granquist. The motion was approved. *Note - these items will be addressed prior to the Board meeting.*

D. Pavement overlays (Section 5K-4)

New section for HMA and PCC overlays and associated interlayers. One committee member requested defining CTE (in first table). *Note - this was done.*

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 arrow heads on multiple figures are too small and hard to see; make them the uniform. The motion to approve was made by Steve Gannon and seconded by Greg Parker. The motion was approved. *Note - done.*

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. Expressed lots of concerns about checking grades; concern about the frequency of checking hubs; and questioned if there was a tolerance.

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 Greg Parker and seconded by Bob Schiesl. 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 Patrick Schwickerath and seconded by Rob Davis. 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 Aaron Granquist and seconded by Bob Schiesl. 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. The group had the same concerns as with Design Manual item above.

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 questioned the aluminum conduit restriction. Also wanted to see the use of transfer equipment. *Note - added transfer equipment; concrete is highly corrosive to aluminum, hence the restriction.*

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. In Table 8030.01, clarify the speed is the posted speed. The motion to approve was made by Aaron Granquist and seconded by Brian Schadt. The motion was approved. *Note - changed "speed" to "speed limit" to be consistent with the figures.*

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 Steve Gannon and seconded by Eryv Mussman. 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 Brian Schadt and seconded by Bob Schiesl. The motion was approved.

IV. Other

A. Discussion Items

- ***Steps in manholes - change the default?*** Mixed opinions. Discussed problems with people falling in manholes and wanting a way out.
- ***Experiencing problems with SW-509 intake beam?*** Since this was a problem with a community in this district, Paul explained how the other districts responded. Possibly address with a note.
- ***Do you require contractors to use vibrators or hand tools to consolidate sidewalk and driveway concrete?*** Most said no; one person in this district does require it.
- ***Switching to only electronic versions of the SUDAS manuals?*** This group seemed okay with the idea - some feelings both ways.
- ***Other?*** One committee member asked about updating the bid item checklist on the website. *Note - staff will get this done.*

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 1:22 pm.

Minutes were recorded by Beth Richards, SUDAS Program Coordinator.