

SUDAS District 4 Committee Meeting Minutes

October 10, 2017

The meeting was called to order at 10:02 am by Scott Reelfs.

Present:

Mike Hackett, Madison County
Dave Vermillion, City of Council Bluffs
Scott Reelfs, HGM Associates, Inc.
Dan King, ICPA
Dave Sturm, Snyder & Associates
George Parris, JEO

Kevin Mayberry, Mills County
Brad Skinner, Montgomery County
Vince Ehlert, Iowa DOT
Paul Wiegand, SUDAS
Beth Richards, SUDAS

I. Administrative

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

The motion to approve the minutes was made by Brad Skinner and seconded by Kevin Mayberry. The motion was approved. The committee concurred with the proposed meeting schedule.

B. Board of Directors meeting minutes

A summary of actions at the May 12, 2017 Board meeting was presented.

II. Design Manual Items

A. Low design speed (Section 5C-1, Table 5C-1.02)

Expanded Table 5C-1.02 footnotes for low speed horizontal curve radius. The motion to approve was made by Dave Sturm and seconded by George Parris. The motion was approved.

B. Joint durability mixes (Section 5E-1)

Added information on joint durability mixes (C-SUD) to match recent research and clarified information on admixtures. Some in this district use the C-SUD mix already and have had good luck with it. The motion to approve was made by Scott Reelfs and seconded by Mike Hackett. The motion was approved.

C. Pavement thickness design (Section 5F-1)

Updated and expanded truck mix tables; modified parameters to use AASHTO charts for seasonal variability, Resilient Modulus, and Modulus of Subgrade Reaction; developed new thickness tables. This district did not have any comments.

D. Automated machine guidance (Section 5H-1)

Developed new section to address automated machine guidance and stringless paving. The motion to approve was made by Vince Ehlert and seconded by Dave Vermillion. The motion was approved.

E. Cold-in-place recycling (Section 5J-2)

Developed a new section for design considerations for cold-in-place recycling (CIR) projects. One county in this district has had good experience and success with CIR. He commented that it seems to be a good, economical decision.

F. Full depth reclamation (Section 5J-3)

Developed a new section identifying the design elements for full depth reclamation (FDR) projects. This district did not have any comments.

G. General Permit No. 2 updates (Sections 7A-1 and 7B-1)

Updated the requirements to reflect changes in General Permit No. 2 regulations (to be effective February 1, 2018). This district did not have any comments.

H. Filter socks (Section 7E-4)

Updated requirements for filter socks to reflect current construction practices. The motion to approve was made by Scott Reelfs and seconded by Brad Skinner. The motion was approved.

I. Crash experience (Section 13B-1)

Added interim change to Warrant #7 (Crash Experience). The motion to approve was made by Scott Reelfs and seconded by Dave Sturm. The motion was approved.

III. Specifications Manual Items

A. Automated machine guidance (Sections 1040, 1.05; 1050, 1.15; 7010; and 11,010, 3.03)

Added information on electronic files and work completed using automated machine guidance (AMG) as

well as requirements to use stringless paving techniques. The motion to approve was made by Dave Vermillion and seconded by Kevin Mayberry. The motion was approved.

B. Pipe connection for storm sewer (Figure 4020.211)

Removing the word “special” from the title of the figure. The motion to approve was made by Brad Skinner and seconded by Scott Reelfs. The motion was approved.

C. Water valve and hydrant removal items (Section 5020, 1.08)

Added to measurement and payment items for water valve, valve box, and hydrant removal. The motion to approve was made by Mike Hackett and seconded by Brad Skinner. The motion was approved.

D. Core openings in storm sewer manholes (Section 6010, 3.05, D)

Made the default connection to a storm sewer structure a cored opening similar to sanitary sewer manholes. The motion to approve was made by Scott Reelfs and seconded by Dave Vermillion. The motion was approved.

E. Concrete fillet (Section 6010 and Figures 6010.301, 6010.303, 6010.401, 6010.501, 6010.502, 6010.506, 6010.511, and 6010.513)

Changing the term “invert” to “concrete fillet.” The motion to approve was made by Dave Strum and seconded by Vince Ehlert. The motion was approved.

F. 4 inch slope curb (Figures 6010.507, 6010.508, 6010.509, and 6010.510)

Added the option of a 4 inch curb height in addition to the standard 6 inch curb for open throat intakes. The motion to approve was made by Scott Reelfs and seconded by Brad Skinner. The motion was approved.

G. Intermediate aggregate and mix design (Section 7010, 2.01 and 2.02)

Added intermediate aggregate; expanded mix design to add C-SUD mixes and modifications to SCM substitution rates. The motion to approve was made by Scott Reelfs and seconded by Mike Hackett. The motion was approved.

H. Cold-in-place recycling (Section 7090)

Added a new section for CIR of asphalt roadways. One requested adding a time for the surface course in addition to the percentage (i.e. no sooner than 14 days - check Iowa DOT Specs). *Note - done.*

I. Full depth reclamation (Section 7091)

Added a new section for FDR of asphalt roadways. This district suggested listing microcracking as a separate bid item. *Note - done.*

J. Traffic signal anchor bolts (Section 8010, 2.05, C, 3 and Figure 8010.102, sheet 1)

Updated the traffic signal anchor bolt requirements to reflect current manufacturing practices. The motion to approve was made by Vince Ehlert and seconded by Kevin Mayberry. The motion was approved.

K. Seeding (Section 9010, 3.01, 3.04, and 3.05)

Modified/expanded to match current practice and the Iowa DOT. The motion to approve was made by Brad Skinner and seconded by Dave Vermillion. The motion was approved.

L. Filter socks (Section 9040, 3.07, A and Figure 9040.102)

Modified to reflect current construction practices. Suggested the upper left-hand drawing should have an intersection of the two socks. The motion to approve, with the above revision, was made by Brad Skinner and seconded by Kevin Mayberry. The motion was approved. *Note - the intersection of the socks was added.*

IV. Other

A. Discussion Items

- **Percent of a contract that can be assigned to subcontractors?** 30% would not bother some in this district; another has problems (traffic control being an example). Prime should have at least the largest percentage of the work. Group stated that we could move away from 50%.
- **How much prime gets for change orders for subcontractors?** Leave it out.
- **Tracer wire for trenchless applications?** One person experienced problems.
- **How do you handle removal of air from water mains?** Hydrants and corp taps.
- **Add precast wet wells to Section 6010?** No
- **Alternative concrete pavement thickness checks versus cores?** No one currently using alternative methods but like the idea of not coring brand new pavement.

- *Continue to allow brick sidewalks in standards?* A few in this district are using concrete pavers or bricks currently.
- *Other?* None.

B. Products and/or research

- *Articulated concrete block erosion control mats?* No experience with this particular product.
- *Additives that address sulfide action on sanitary sewer manholes or pipes - Con-Shield, Masterlife AMA 100, Xypex?* Council Bluffs has used Con-Shield.
- This district did not have any product or research suggestions at this time.

The meeting was adjourned at 12:52 pm.

Minutes were recorded by Beth Richards, SUDAS Program Coordinator.