

SUDAS District 2 Committee Meeting Minutes

October 19, 2017

The meeting was called to order at 10:03 am by Mark Rahm.

Present:

Mark Rahm, City of Mason City
Michelle Sweeney, AECOM
John Fallis, City of Charles City
Tim Moreau, Veenstra & Kimm, Inc.
Jon Biederman, Fehr Graham

Michael Danburg, SEH
Rick Lockhart, Terracon Consultants, Inc.
Mary Kelly, Cerro Gordo County
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 Tim Moreau and seconded by Mike Danburg. 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 Michelle Sweeney and seconded by Rick Lockhart. 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. The motion to approve was made by Jon Biederman and seconded by Tim Moreau. 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's initial reaction was that these parameters seem reasonable.

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 Mike Danburg and seconded by Jon Biederman. 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. This district did not have any comments.

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 Michelle Sweeney and seconded by Tim Moreau. 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 Mike Danburg and seconded by Michelle Sweeney. 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 Rick Lockhart and seconded by Michelle Sweeney. 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 Tim Moreau and seconded by Mike Danburg. 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. Agreed with District 1’s suggestion to have the hydrant assembly removal as a whole item, including the valve. However, they suggested delivering the hydrant, valve, and valve box if specified. The motion to approve, with the above revisions, was made by Tim Moreau and seconded by Michelle Sweeney. The motion was approved. *Note - revised language per suggestions.*
- 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. This district suggested specifying a size limit for when you core or chip. They suggested less than 12 inches, default is cored; 12 inches and larger, default is cut and chipped. The motion to approve, with the above revisions, was made by Michelle Sweeney and seconded by Mike Danburg. The motion was approved. *Note - revised language per suggestions.*
- 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 Tim Moreau and seconded by John Fallis. 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 Michelle Sweeney and seconded by Rick Lockhart. 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. This district questioned if there are continued discussion about expanding the dates that are allowed? The motion to approve was made by Tim Moreau and seconded by Mike Danburg. The motion was approved. *Note - expanded dates are possible if maturity method is used.*
- H. Cold-in-place recycling** (Section 7090)
Added a new section for CIR of asphalt roadways. This district noted an error in 2.02. *Note - corrected.*
- I. Full depth reclamation** (Section 7091)
Added a new section for FDR of asphalt roadways. This district did not have any comments.
- 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. This district suggested adding a circle note 3 (instead of anchor bolts) and listing all of the end treatments. The motion to approve, with the above revisions, was made by Michelle Sweeney and seconded by Rick Lockhart. The motion was approved. *Note - revised as suggested.*
- 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 Mary Kelly and seconded by Tim Moreau. The motion was approved.
- L. Filter socks** (Section 9040, 3.07, A and Figure 9040.102)
Modified to reflect current construction practices. The motion to approve was made by Rick Lockhart and seconded by Mike Danburg. The motion was approved.

IV. Other

A. Discussion Items

- *Percent of a contract that can be assigned to subcontractors?* Group okay with DOT’s 30%.
- *How much prime gets for change orders for subcontractors?* Leave it out.
- *Tracer wire for trenchless applications?* Like the Des Moines Water Works approach.
- *How do you handle removal of air from water mains?* No comments.
- *Add precast wet wells to Section 6010?* Yes.
- *Alternative concrete pavement thickness checks versus cores?* Okay exploring other options. What is the accuracy of these testing instruments? Rick is going to look into it.
- *Continue to allow brick sidewalks in standards?* Okay with removing as a “standard”. Might need to address the stamped concrete or stamped detectable warning panels.

- *Other?* None.

B. Products and/or research

- *Articulated concrete block erosion control mats?* Not ready yet - let some try it out first.
- *Additives that address sulfide action on sanitary sewer manholes or pipes - Con-Shield, Masterlife AMA 100, Xypex?* One person said to add it.
- No product or research suggestions.

The meeting was adjourned at 12:47 pm.

Minutes were recorded by Beth Richards, SUDAS Program Coordinator.