

## SUDAS District 1 Committee Meeting Minutes

October 18, 2017

The meeting was called to order at 10:02 am by John Gade.

### Present:

Jason Etnyre, City of Indianola  
Larry Stevens, HR Green  
Steve Klocke, Snyder & Associates  
Mark Crawford, CGA  
John Larson, City of Urbandale  
Matt Ferrier, Bolton & Menk, Inc.  
Brian Mastbergen, DGR Engineering  
Brandon Mickelson, HR Green  
David Bovee, HR Green  
Rob Kline, GBA  
Mark Gansen, City of Ames  
Greg Mulder, ICPA  
Jeff May, City of Clive  
Jon Hanson, City of Altoona  
Larry Workman, City of Pleasant Hill

Scott Port, JEO Consulting  
Justin Vogel, JEO Consulting  
Mark Valmore, Iowa DNR  
Eric Johnsen, Iowa DOT  
Tony Trotter, City of Fort Dodge  
Ben McAlister, City of West Des Moines  
Daniel Harness, Iowa DOT  
Adam Lust, City of Ankeny  
Rudy Koester, City of Waukee  
Matt Greiner, City of Johnston  
Ron DeGroot, City of Des Moines  
John Dostart, Iowa DOT  
John Gade, Fox Engineering  
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 Larry Stevens and seconded by John Larson. 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 Matt Ferrier and seconded by Larry Stevens. 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 Adam Lust and seconded by Jeff May. 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. One commented that he's concern about having thinner pavements when there are already problems with pavement life. Another commented that if the materials are the same and the construction practices are the same, then thinner pavements won't accomplish a higher quality pavement. Yet another commented that he'd like to keep the thicker pavements to have some sort of control over the pavement's resiliency with weather conditions.

#### 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 Larry Stevens and seconded by Matt Ferrier. 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. One questioned how many contractors can do this type of work; want to make sure you can get competitive bids.

**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 Mark Crawford and seconded by John Dostart. 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 Mark Crawford and seconded by Larry Stevens. 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 Matt Greiner and seconded by Matt Ferrier. 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 Larry Stevens and seconded by Matt Greiner. 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. This district suggested having the hydrant assembly removal as a whole item, including the valve. They want the first right of refusal for taking the hydrant and valve back; don’t want the valve box. The motion to approve, with the above revisions, was made by Mark Crawford and seconded by Jon Hanson. The motion was approved. *Note - revised the language to have the whole hydrant assembly removal as an item; however, communities will have to specify if they want the hydrant, valve, or valve box.*

**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 Larry Stevens and seconded by Mark Crawford. 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 Larry Stevens and seconded by Tony Trotter. 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 Matt Ferrier and seconded by Jason Etnyre. 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 Adam Lust and seconded by Brian Mastbergen. The motion was approved.

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

Added a new section for CIR of asphalt roadways. One suggested adding “generally” to the dates listed in 3.01, A, 1. Also suggested changing the statements in 3.01, A, 2 to be positive rather than negative. *Note - added “general” to say “general criteria includes” in 3.01, A, 2 and also made the statements positive.*

**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. The motion to approve was made by Tony Trotter and seconded by Mark Crawford. 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 Brian Mastbergen and seconded by Jon Hanson. 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 Jon Hanson and seconded by Mark Crawford. 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%. Important part is coordination.
- *How much prime gets for change orders for subcontractors?* Leave it out.
- *Tracer wire for trenchless applications?* Check with Des Moines Water Works. Add tracer wire to footing collector lines that are in the right-of-way?
- *How do you handle removal of air from water mains?* No comments.
- *Add precast wet wells to Section 6010?* No.
- *Alternative concrete pavement thickness checks versus cores?* Okay exploring other options.
- *Continue to allow brick sidewalks in standards?* Okay with removing as a "standard"
- *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?* Let it be project specific.
- No product or research suggestions.

The meeting was adjourned at 12:30 pm.

Minutes were recorded by Beth Richards, SUDAS Program Coordinator.