

SUDAS District 5 Committee Meeting Minutes

October 25, 2018

The meeting was called to order at 10:03 am by Terry Knoke.

Present:

Terry Knoke, PSBA

Dwight Dohlman, City of Ottumwa

Larry Driscoll, City of Fort Madison

Steve Hausner, French-Reneker Associates, Inc.

Brad Uitermarkt, Garden & Associates

Bill Haag, City of Muscatine/Koala Consulting

Ryne Thornburg, Van Buren County

Steve Hartman, Klinger & Associates, PC

Jeremiah Selby, Monroe County

Paul Wiegand, SUDAS

Beth Richards, SUDAS

I. Administrative

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

The motion to approve the minutes was made by Ryne Thornburg and seconded by Larry Driscoll. 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 18, 2018 Board meeting was presented.

C. 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 Terry Knoke as the Chair and Steve Hausner as the Vice Chair was made by Bill Haag and seconded by Ryne Thornburg. The motion was approved.

II. Design Manual Items

A. LED street lighting (Chapter 11)

Updated design sections to reflect use of LED street lighting. One committee member commented for rural areas, need more “destination” lighting that spreads out.

B. Temporary traffic control (Sections 13B-1 through 13B-6)

Added section on the design requirements for work zone traffic control. One committee member commented to ensure we address retroreflectivity.

III. Specifications Manual Items

A. Foamed cellular concrete (Sections 3010, 3020, 4010, and 4020)

Added foamed cellular concrete as an option for special pipe embedment and encasement material, backfill for abandoned tunnels, annular space grouting, and sewer abandonment fill. The motion to approve was made by Larry Driscoll and seconded by Dwight Dohlman. The motion was approved.

B. Dewatering (Section 3010, 1.08, A, 6)

Expanded the requirements to clarify what work activities are encompassed by dewatering. This committee suggested the following: discuss NPDES permit language and remove wellpoints, sheet piling, and cofferdams from the dewatering description. The motion to approve was made by Bill Haag and seconded by Larry Driscoll. The motion was approved. *Note - changes were made.*

C. Abandoning sewers (Sections 4010, 1.08, K and L and 4020, 1.08, E and F)

Split the activities of plugging and filling and plugging. Designated full measurement and payment information for each work activity for sanitary sewers and storm sewers. The motion to approve was made by Steve Hartman and seconded by Brad Uitermarkt. The motion was approved.

D. Linear trench drain (Section 4020, 1.08, 2.02, 3.04, and Figure 6010.521)

Inserted pipe apron language in Section 4020 and added a reference to Iowa DOT Standard Road Plan DR-121 for pipe connectors. Clarified dewatering in Section 4030. One committee member commented to make sure the possible contract item and possible tabulation language isn't included on the figure. They also questioned if there is reinforcing like in boxouts.

E. Pipe aprons (Sections 4020 and 4030)

Inserted pipe apron language in Section 4020 and added a reference to Iowa DOT Standard Road Plan DR-121 for pipe connectors. Clarified dewatering in Section 4030. This committee had the following

comments: add references to figures to clarify the connection, and to add manufacturer's recommended bolt, weld, or clamp (in both 4020 and 4030). The motion to approve was made by Bill Haag and seconded by Steve Hausner. The motion was approved. *Note - the first item was previously handled; the second item was added.*

F. Pipe rehabilitation (Section 4050)

Revised the pipe rehabilitation section based on current practices/products. This district did not have any comments.

G. Steps in manholes and intakes (Section 6010, 2.13 and Figures 6010.301, 303, 304, 305, 401, 404, 405)

Changed the default to no steps in manholes and intakes. The motion to approve was made by Ryne Thornburg and seconded by Steve Hartman. The motion was approved (one nay).

H. Rock subbase (Section 6010, 3.01 and Figures 6010.302-305, 401-406, 501-513)

Added rock subbase to all cast-in-place structures to match precast structures. The motion to approve was made by Bill Haag and seconded by Jeremiah Selby. The motion was approved.

I. Internal manhole drop (Section 6010, 1.08, 2.15-2.17, 3.06, and Figure 6010.308)

Developed new figure and specifications language to allow for an internal manhole drop. This committee had the following comments: add ASTM references; do not install directly under casting opening; maximum pipe size intended for a drop; influent not effluent. The motion to approve was made by Dwight Dohman and seconded by Steve Hausner. The motion was approved. *Note - clarifications / corrections were made.*

J. Intakes (Figures 6010.515, 541, and 545)

Developed a new figure for a double well area intake (6010.515) and added two Iowa DOT intakes - open-throat curb intake under pavement (SW-541) and single open-throat curb intake with extended opening (SW-545). This district did not have any comments.

K. Tubular dowels (Figure 7010.101)

Add tubular dowels to available methods of joint transfer for doweled contraction joints. The motion to approve was made by Larry Driscoll and seconded by Brad Uitermarkt. The motion was approved.

L. Railroad crossing approach (Sections 7010 and 7020)

Added bid items and execution language for PCC and HMA railroad crossing approaches. The motion to approve was made by Larry Driscoll and seconded by Bill Haag. The motion was approved.

M. Plastic concrete cylinders (Section 7010, Table 7010.02)

Revised the test requirements for plastic concrete cylinders to delete the 6 inch requirement, which will allow either 6 inch or 4 inch specimens. The motion to approve was made by Ryne Thornburg and seconded by Brad Uitermarkt. The motion was approved.

N. Thin HMA overlays and interlayers (Section 7021)

Lowering of the design target for lab voids is intended to result in higher binder content, which will increase mix flexibility and reduce premature cracking. VMA (voids in the mineral aggregate) is no longer used as a mix design parameter. Clarify sample location due to thin applications. The motion to approve was made by Larry Driscoll and seconded by Steve Hartman. The motion was approved.

O. Temporary traffic signals (Section 8010, 1.08 and 3.06)

Expanded payment and removal process for temporary traffic signals. This committee agreed with changing payment to 50% at installation, 50% at removal. The motion to approve was made by Ryne Thornburg and seconded by Bill Haag. The motion was approved.

P. Traffic signal foundations (Figure 8010.102)

Clarified length of foundations in rock and the forming at the top of the foundation. This committee suggested clarifying Detail A to say shape with round or square forms. The motion to approve was made by Ryne Thornburg and seconded by Bill Haag. The motion approved. *Note - clarification was made.*

IV. Other

A. Discussion Items

- *Add infiltration barriers to storm sewer manholes to address boxout maintenance issues?* No
- *Do you use "butyl sealant" for adjusting rings, especially at the concrete/casting interface?* No
- *Add natural area management to our Division 9?* Like the developmental spec idea
- *Problems with paving contractors not repairing honeycombed curb areas when slip formed?* Agree with the idea of adjusting the language to say all honeycombed areas need to be repaired
- *Brick street with concrete base?* No.

- *Iowa DNR is updating some of their standards and are looking for comments. Send comments to Greg Reeder by November 16th.* No comments.
- *Other?* None.

B. Products and/or research

None.

The meeting was adjourned at 1:00 pm.

Minutes were recorded by Beth Richards, SUDAS Program Coordinator.