

SUDAS District 4 Committee Meeting Minutes

October 2, 2018

The meeting was called to order at 10:04 am by Scott Reelfs.

Present:

Vince Ehlert, Iowa DOT

Brad Skinner, Montgomery County

George Parris, JEO Consulting Group

Dave Sturm, Snyder & Associates

Scott Reelfs, HGM Associates Inc.

David Vermillion, City of Council Bluffs

Mike Hackett, Madison 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 Dave Vermillion and seconded by Mike Hackett. 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 Scott Reelfs as the Chair and Dave Vermillion as the Vice Chair was made by George Parris and seconded by Mike Hackett. The motion was approved.

II. Design Manual Items

A. LED street lighting (Chapter 11)

Updated design sections to reflect use of LED street lighting. This district did not have any comments.

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

Added section on the design requirements for work zone traffic control. This district did not have any comments.

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 Scott Reelfs and seconded by Vince Ehlert. The motion was approved.

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

Expanded the requirements to clarify what work activities are encompassed by dewatering. The motion to approve was made by Dave Sturm and seconded by Mike Hackett. The motion was approved.

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 Scott Reelfs and seconded by Dave Vermillion. 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. This district did not have any comments.

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. The motion to approve was made by Vince Ehlert and seconded by Scott Reelfs. The motion was approved.

F. Pipe rehabilitation (Section 4050)

Revised the pipe rehabilitation section based on current practices/products. Some here do sliplining of culvert pipes. 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 Dave Sturm and seconded by Dave Vermillion. The motion was approved.
- 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. One committee member noted the 12 inch rock subbase dimension on the example figure is in the wrong place. The motion to approve was made by Scott Reelfs and seconded by Mike Hackett. The motion was approved. *Note - the dimension was fixed.*
- 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. One committee member suggested adding repair fillet to the “includes” item and to remove the steps from the figure. The motion to approve was made by Dave Vermillion and seconded by George Parris. The motion was approved. *Note - the changes 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 Mike Hackett and seconded by Dave Sturm. 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 Scott Reelfs and seconded by Dave Vermillion. 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 Dave Sturm and seconded by Vince Ehlert. 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. This committee was very concerned about the cost. The motion to approve was made by George Parris and seconded by Scott Reelfs. The motion was approved (1 nay).
- O. Temporary traffic signals** (Section 8010, 1.08 and 3.06)
 Expanded payment and removal process for temporary traffic signals. The motion to approve was made by Scott Reelfs and seconded by Dave Vermillion. The motion was approved.
- P. Traffic signal foundations** (Figure 8010.102)
 Clarify length of foundations in rock and the forming at the top of the foundation. The motion to approve was made by Brad Skinner and seconded by Dave Vermillion. The motion was approved.

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?* No. Counties use a weed commissioner.
- *Problems with paving contractors not repairing honeycombed curb areas when slip formed?* 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

New pipe - American Concrete’s Perfect Pipe (HDPE lined concrete pipe) - City of Omaha is testing

The meeting was adjourned at 12:20 pm.

Minutes were recorded by Beth Richards, SUDAS Program Coordinator.