

SUDAS District 6 Committee Meeting Minutes

October 24, 2018

The meeting was called to order at 10:03 am by Lee Tippe.

Present:

Ken DeKeyser, City of Cedar Rapids

Bob Tobin, Shoemaker & Haaland

DeWayne Heintz, L.L. Pelling Co.

Darin Andresen, City of Marion

Maryann Shinrock, City of Cedar Rapids

Tim Mroch, City of Marion

Lee Tippe, City of Cedar Rapids

Brent Morlok, City of Bettendorf

Brad Ketels, Linn County

Michael Kurek, HDR Inc.

Kent Ellis, Iowa DOT

Brian Schadt, City of Davenport

Justin Widdel, Terracon

Aaron Granquist, HR Green, Inc.

Patrick Schwickerath, Snyder & Associates

Clayton Carper, Foth Infrastructure and Environment

John Link, Dave Schmitt Construction Co. Inc.

Scott Larson, City of Coralville

Greg Shuger, Stanley Consultants

Brenna Fall, City of Cedar Rapids

Neil Shatek, Johnson County

Bob Schiesl, City of Dubuque

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 Aaron Granquist and seconded by Brian Schadt. 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 Lee Tippe as the Chair and Bob Tobin as the Vice Chair was made by Aaron Granquist and seconded by DeWayne Heintz. 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 committee had the following comments/questions: is anyone using solar options; Linn County still uses HPS.

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

Added section on the design requirements for work zone traffic control. This committee had the following comments/questions: signage for businesses during construction? (how to get to the businesses); inspection checklist - if engineer takes on a safety checklist, they would take on the liability of the project? *Note - added signage for business language.*

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 Aaron Granquist and seconded by Patrick Schwickerath. 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 Patrick Schwickerath and seconded by Ken DeKeyser. 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. This committee noted for

plugging, measurement should be by each plug. The motion to approve was made by Darin Andresen and seconded by Brenna Fall. The motion was approved. *Note - this correction was made.*

- 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 questioned if in 3.04, C, can we just discharge rather than connecting to another structure? *Note - done.*
- 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 Aaron Granquist and seconded by Bob Schiesl. The motion was approved.
- 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 Patrick Schwickerath and seconded by Aaron Granquist. 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 in B, 1 and 2 - delete "structure base." The motion to approve was made by Brian Schadt and seconded by Brent Morlok. The motion was approved. *Note - done.*
- 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. The motion to approve was made by Ken DeKeyser and seconded by Bob Schiesl. The motion was approved.
- 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 committee had the following suggestions: On 6010.515, add a waterstop; angled rebar to connect the base and the walls? *Note - waterstop already required; angled rebar not required on any other structure.*
- 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 Brian Schadt and seconded by Brent Morlok. 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 Brenna Fall and seconded by Aaron Granquist. 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. One committee member commented to make sure the I.M. specifically says the size is the diameter. The motion to approve was made by Brent Morlok and seconded by Justin Widdel. 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 DeWayne Heintz and seconded by Brian Schadt. 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 had the following comments: change payment to 50% at installation, 50% at removal; includes maintenance; in the bid item list in the Design Manual, maybe include ____ (location) to help the designers understand. The motion to approve was made by Aaron Granquist and seconded by Brian Schadt. The motion was approved. *Note - bid items were clarified and will add the clarification to the Design Manual.*
- P. Traffic signal foundations** (Figure 8010.102)
Clarify length of foundations in rock and the forming at the top of the foundation. Remove Detail A. Some committee members questioned the L max column. The motion to remove detail A was made by Aaron Granquist and seconded by Maryann Shinrock. The motion was approved. Motion to approve the

rest of the figure was made by Aaron Granquist and seconded by Brian Schadt. The motion was approved. *Note - removal of Detail A was not supported by the other districts and was therefore included in the final version of the figure.*

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?* No, but could adjust the language to say honeycombed areas in any type of paving needs to be repaired.
- *Brick street with concrete base?* No. Could maybe include a detail in 7040.
- *Iowa DNR is updating some of their standards and are looking for comments. Send comments to Greg Reeder by November 16th.* No comments.
- *Other?*
 - Pipe bursting for sanitary sewer services
 - Bypass pumping for sanitary - should it be a separate bid item? Pluses and minuses both ways.

B. Products and/or research

None.

The meeting was adjourned at 1:20 pm.

Minutes were recorded by Beth Richards, SUDAS Program Coordinator.