

SUDAS District 1 Meeting Minutes

April 20, 2022

The meeting was called to order at 10:03 am by John Gade.

Present:

John Gade, FOX Strand	Mike Thiel, Iowa DOT
Larry Stevens, HR Green	Jenifer Bates, Iowa DOT
Steve Klocke, Snyder & Associates	Nichole Sungren, MSA Professional Services
Todd Hanson, ICPA	Larry Workman, City of Pleasant Hill
Jeff May, City of Clive	Bill Sexton, City of Pleasant Hill
David Bovee, HR Green	Kristin Brostrom, City of Urbandale
Eric Johnsen, Iowa DOT	Austin Morrow, City of Ft. Dodge
Akhilesh Pal, City of Indianola	Chad Schaeffer, City of Ft. Dodge
Brad Hopkey, Foth	Mike Danburg, S.E.H.
Ben McAlister, City of West Des Moines	Chadd Kahlsdorf, Bolton & Menk
Tracy Peterson, City of Ames	Tom Vlach, City of Des Moines
Darwin Larson, APAI	Heidi Lane, HNTB
Travis Warnke, ISG	Danny Knispel, City of Altoona
Matt Greiner, City of Johnston	Paul Wiegand, SUDAS
Aaron Jarosh, City of Grimes	Beth Richards, SUDAS
Tara Naber, Iowa DNR	

I. Administrative

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

The motion to approve the minutes was made by Larry Stevens and seconded by Tracy Peterson. The motion was approved. The committee concurred with the proposed meeting schedule.

II. Design Manual Items

A. Complete streets study (Chapters 5, 12, and 13)

An IHRB project is proposing updates to several shared SUDAS/Iowa DOT sections. These changes are included in Chapter 5 (geometric tables and elements and complete streets), Chapter 12 (sidewalks, bicycles, pedestrians, and accessible traffic signals), and Chapter 13 (pedestrian elements in traffic signal design). Paul presented a quick summary of the proposed updates

B. Separation of water mains from sewer mains (Design Sections 2D-1, F; 3C-1, G; and 4C-1, G; Spec Sections 4010, 3.12; 4020, 3.08; and 5010, 3.06)

Updated water and sewer separation language based on new Iowa DNR rules. The motion to approve was made by Jeff May and seconded by Larry Stevens. The motion was approved.

C. Street flow criteria (Section 2A-3, Table 2A-3.01 and Table 2A-3.02)

Added roundabouts to the street classifications related to allowable spread of stormwater. The motion to approve was made by Mike Danburg and seconded by Akhilesh Pal. The motion was approved.

D. Storm and sanitary manhole drop (Sections 2C-3, G, 6 and 3C-1, L, 5)

Added preferred manhole drop of 0.3 feet and maintained minimum of 0.10 feet. The motion to approve was made by Tom Vlach and seconded by Tracy Peterson. The motion was approved.

III. Specifications Manual Items

A. Clearing and grubbing (Section 2010, 1.08, C and 3.01, D)

Added "includes" information to lump sum bid item and corrected reference to open burning requirements. Change wording to imperative mood. The motion to approve was made by Tom Vlach and seconded by Matt Greiner. The motion was approved. *Note - changed to imperative mood.*

B. Composite castings (Section 6010, 2.10, C)

Added composite castings as an alternative product. Clarify that it has to be a bolt-down lid. The motion to approve was made by Mike Danburg and seconded by Vlach. The motion was approved.

Note - since it isn't necessarily a bolt, changed language to "attach lid to frame with 316 stainless steel hardware."

C. Precast top (Figure 6010.301)

Added a new note to allow for eccentric flat top in lieu of eccentric cone section. The motion to approve was made by Akhilesh Pal and seconded by Tracy Peterson. The motion was approved.

D. Cement alternatives (Section 7010, 2.01, A)

Added Type 1T cement as an option for Type I/II cements; 1T is a ternary blend with slag/limestone or pozzolan/limestone. The motion to approve was made by Larry Stevens and seconded by Akhilesh Pal. The motion was approved.

E. Admixtures (Section 7010, 2.01, G)

Added I.M. 403 reference for approved sources for admixtures including new CarbonCure. The motion to approve was made by Matt Greiner and seconded by Tracy Peterson. The motion was approved.

F. Railroad crossing approaches (Figures 7010.903 and 7020.902)

Deleted the 1 inch fiber board from the railroad crossing approach figures. One noted the UP is still requiring asphalt and is also requiring 2 feet of asphalt in the sidewalk section as well. The motion to approve was made by Mike Danburg and seconded by Larry Stevens. The motion was approved. *Note - will be discussed again in October.*

G. Curing compound (Section 7011, 1.08, A, 7; 2.01, M; and 3.02, E, 3)

Added liquid curing compound as an option for a bond breaker for PCC overlay of concrete. These specs are only for PCC surface patches; don't need the word "scarified" in 3.02, E, 3, b. The motion to approve was made by Akhilesh Pal and seconded by Chadd Kahlsdorf. The motion was approved. *Note - fixed.*

H. Asphalt pavement thickness deficiency (Section 7020, 3.04, C)

Modified thickness checks for non-uniform pavement sections. The motion to approve was made by Larry Stevens and seconded by Jeff May. The motion was approved.

I. PCC mix for sidewalks, driveways, and shared use paths (Section 7030, 2.01, A)

Deleted Class B mixes due to high w/c ratio and substituted Class A mix for sidewalks and driveways. The motion to approve was made by Matt Greiner and seconded by Mike Danburg. The motion was approved.

J. Dowel bars for PCC patches (Section 7040, 2.01, F)

Added glass fiber reinforced polymer bars for use in full depth PCC patches. The motion to approve was made by Akhilesh Pal and seconded by Heidi Lane. The motion was approved.

K. Pavement markings (Section 8020, 2.01)

Added methyl methacrylate (MMA) to paint products. The motion to approve was made by Chad Schaeffer and seconded by Tracy Peterson. The motion was approved.

L. Traffic signs and posts (Section 8040)

Added a new section providing for contractor supplied permanent traffic signs. Will the posts be breakaway? In 3.02, change wording from staking to installation. Other sign post anchoring options. What about guide sign options (hospital, etc)? What about bicycle level signs? Since we have a few items to update, asked to delay action so we can clean up these items.

M. Mowing (Section 11,060)

Added a mowing section to Division 11 to cover measurement, payment, and execution elements as an option to be used when projects extend throughout the growing season. Even if mowing is incidental, would like to point to this section for contractors to follow. Tabled this item as well.

IV. Other

A. Discussion items

- *Interested in non-destructive thickness measurements for PCC pavement?* This group would like to see the option.
- *Do you consider adjustments (either minor or major) to double grate intakes (SW-505/506) as one or two adjustments for bid purposes?* One structure, count as one.
- *Other?* None.

B. Iowa Public Works Service Bureau update

An update on the project was presented.

C. Products and/or research

None.

The meeting was adjourned at 11:50 am.

Minutes were recorded by Beth Richards, SUDAS Program Coordinator.