

SUDAS District 3 Meeting Minutes

April 14, 2022

The meeting was called to order at 10:02 am by Randy Krauel.

Present:

Amanda Goodenow, ISG
Justin Pottorff, City of Sioux City
Dan Eckert, Dickinson County
Wes Boyer, Bolton and Menk
Randy Krauel, City of Carroll

Danny Sturm, JEO Consulting Group
Cody Forch, McClure Engineering
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 Dan Eckert and seconded by Justin Pottorff. The motion was approved. The committee concurred with the proposed meeting schedule for 2022

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. No comments.

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 Cody Forch and seconded by Danny Sturm. 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 Wes Boyer and seconded by Amanda Goodenow. 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 Justin Pottorff and seconded by Wes Boyer. 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. The motion to approve was made by Dan Eckert and seconded by Danny Sturm. The motion was approved.

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

Added composite castings as an alternative product. The motion to approve was made by Cody Forch and seconded by Randy Krauel. The motion was approved.

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 Randy Krauel and seconded by Danny Sturm. 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 Justin Pottorff and seconded by Dan Eckert. 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 Wes Boyer and seconded by Justin Pottorff. 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. Questioned the use of perforated CMP subdrain under roadway (note 4). The motion to approve was made by Randy Krauel and seconded by Amanda Goodenow. The motion was approved. *Note - will discuss for future revision.*
- 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. The motion to approve was made by Danny Sturm and seconded by Wes Boyer. The motion was approved.
- 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 Wes Boyer and seconded by Amanda Goodenow. 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 Randy Krauel and seconded by Dan Eckert. 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 Danny Sturm and seconded by Cody Forch. 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 Dan Eckert and seconded by Randy Krauel. The motion was approved.
- L. Traffic signs and posts** (Section 8040)
Added a new section providing for contractor supplied permanent traffic signs. This group suggested measuring by square foot (like Iowa DOT). Staking should be included in 1.08, A, 3 and B, 3. The motion to approve was made by Danny Sturm and seconded by Justin Pottorff. The motion was approved. *Note - these changes were made.*
- 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. Clarify that the bid item is for the duration of the project (not just one time). The motion to approve was made by Wes Boyer and seconded by Amanda Goodenow. The motion was approved. *Note - changed to "each time the mowing is ordered."*

IV. Other

A. Discussion items

- *Interested in non-destructive thickness measurements for PCC pavement?* Like the idea, but equipment is very expensive.
- *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?* Admixtures for MIC or other growth inhibitors for sanitary manholes (Sioux City)?

B. Iowa Public Works Service Bureau update

An update on the project was presented. Speaking of bid item database, one committee member questioned if new SUDAS bid items could be included in Appia (not updated every year)? *Note - sent the updated bid items to the Iowa DOT.*

C. Products and/or research

Restraining gaskets (gasket you put inside a sanitary sewer and water main)

The meeting was adjourned at 11:39 am.

Minutes were recorded by Beth Richards, SUDAS Program Coordinator.