

## SUDAS District 4 Meeting Minutes

April 12, 2022

The meeting was called to order at 10:06 am by Dave Vermillion.

### Present:

John Rasmussen, Pottawattamie County  
Gary Sasse, JEO Consulting Group  
Dave Vermillion, City of Council Bluffs  
John Jorgensen, HGM Associates

Dave Sturm, Snyder & Associates  
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 John Rasmussen and seconded by Dave Vermillion. The motion was approved. The group then discussed the schedule of district meetings, with staff asking if their “normal” schedule still worked for the group. The group stated the first Wednesday of the month would be better. The committee concurred with the proposed meeting schedule for 2022, with looking at changing in 2023.

### 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 Dave Sturm and seconded by John Rasmussen. 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 John Rasmussen and seconded by Dave Sturm. 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 John Rasmussen and seconded by John Jorgensen. 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 Dave Sturm and seconded by Dave Vermillion. 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 Dave Vermillion and seconded by Gary Sasse. 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 Gary Sasse and seconded by Dave 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 John Rasmussen and seconded by Dave Vermillion. 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 Dave Vermillion and seconded by Dave Sturm. 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 person asked if an option to have concrete all the way to the RR was possible due to the cost of the small piece of asphalt. The motion to approve deleting the 1 inch fiber board was made by Dave Sturm and seconded by John Jorgensen. The motion was approved. *Note - Iowa DOT has a standard with concrete placed all the way up to the RR, with an asphalt stabilized base; will discuss at October meetings.*
- 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. Clarify that this is concrete over concrete. The motion to approve was made by John Rasmussen and seconded by Dave Vermillion. The motion was approved. *Note - clarification was made.*
- 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 Gary Sasse and seconded by John Rasmussen. 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 John Rasmussen and seconded by Dave Vermillion. 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 Dave Sturm and seconded by John Rasmussen. 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 Gary Sasse and seconded by Dave Vermillion. The motion was approved.
- L. Traffic signs and posts** (Section 8040)  
Added a new section providing for contractor supplied permanent traffic signs. The motion to approve was made by John Rasmussen and seconded by Dave Vermillion. The motion was approved.
- 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. The motion to approve was made by Dave Vermillion and seconded by Gary Sasse. The motion was approved.

#### IV. Other

##### A. Discussion items

- *Interested in non-destructive thickness measurements for PCC pavement?* Engineer would have to place the plate. Skeptical but understand the advantage.
- *Do you consider adjustments (either minor or major) to double grate intakes (SW-505/506) as one or two adjustments for bid purposes?* 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 11:30 am.

Minutes were recorded by Beth Richards, SUDAS Program Coordinator.