

## SUDAS District 5 Meeting Minutes

April 27, 2022

The meeting was called to order at 10:03 am by Steve Hausner.

### Present:

Steve Hausner, French-Reneker  
Melanie Carlson, City of Fairfield  
Bill Haag, Koala Consulting  
David Carroll, Warren County  
Christy Van Buskirk, Iowa DOT  
Jack Pope, Garden & Associates

Jesse Howe, City of Burlington  
Ryne Thornburg, Van Buren County  
DeWayne Heintz, Jefferson County  
Phillip Burgmeier, City of Ottumwa  
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 Melanie Carlson and seconded by Jesse Howe. 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. One asked about accommodations for bicycles and families (e.g. - bicycle trailers, recumbent bikes, etc.)?

#### 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 Jack Pope and seconded by Melanie Carlson. 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 Jess Howe and seconded by Ryne Thornburg. 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 Bill Haag and seconded by Jesse Howe. 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 Jack Pope and seconded by Phillip Burgmeier. 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 Melanie Carlson and seconded by Ryne Thornburg. The motion was approved (2 nays).

#### 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 Jesse Howe and seconded by Melanie Carlson. 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 Bill Haag and seconded by Melanie Carlson. The motion was approved (2 nays).

- 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 Jesse Howe and seconded by Bill Haag. The motion was denied (only 2 in favor).
- F. Railroad crossing approaches** (Figures 7010.903 and 7020.902)  
Deleted the 1 inch fiber board from the railroad crossing approach figures. The motion to approve was made by DeWayne Heintz and seconded by Phillip Burgmeier. The motion was approved.
- 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. Questioned the timing of adding the curing compound vs adding the overlay and suggested adding language about not being open to traffic. The motion to approve was made by DeWayne Heintz and seconded by Melanie Carlson. The motion was approved. *Note - added 3.02, E, 3, d to clarify.*
- 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 DeWayne Heintz and seconded by David Carroll. 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 Bill Haag and seconded by Melanie Carlson. 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 Melanie Carlson and seconded by Ryne Thornburg. 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 Bill Haag and seconded by Jesse Howe. The motion was approved.
- L. Traffic signs and posts** (Section 8040)  
Added a new section providing for contractor supplied permanent traffic signs. Signs have to be up before barriers are pulled down (street opened back up). Surveyor staking based on the design. Are the classes listed in 3.02 online? Asked the group to delay action on this item based on comments received from the previous districts - more work to do.
- 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. Contractor has 5 days to mow after notified - engineer could be notifying immediately after each mow, depending on the weather. Tabled this item as well.

#### IV. Other

##### A. Discussion items

- *Interested in non-destructive thickness measurements for PCC pavement?* Indifferent.
- *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 12:12 pm.

Minutes were recorded by Beth Richards, SUDAS Program Coordinator.