

## SUDAS District 3 Meeting Minutes

October 13, 2022

The meeting was called to order at 10:00 am by Randy Krauel.

### Present:

Justin Pottorff, City of Sioux City  
Randy Krauel, City of Carroll  
Bryan Wells, DGR  
David Carney, City of Sioux City  
Amanda Goodenow, ISG

Dan Eckert, Dickinson County  
Brad Beck, Beck 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 David Carney and seconded by Dan Eckert. The motion was approved. The committee concurred with the proposed meeting schedule.

## II. Design Manual Items

### A. Bid item clarifications (Design Section 1D-4 and various Spec sections)

In order to obtain the most helpful bid information, staff identified some missing components from various bid items. The motion to approve was made by Justin Pottorff and seconded by Amanda Goodenow. The motion was approved.

### B. Complete streets (Sections 5C-1, 5C-2, 5M-1, 12A-1-5, 12B-1-3, 13A-3, and 13A-4)

An IHRB project to develop a DOT Complete Streets Policy proposed 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). This group had the following comments:

- Do not reduce the lane widths in Chapter 5.
- Many concerns over the lane widths! Would need slower speeds for such narrow streets.
- Like the idea of keeping the complete streets information in Section 5M-1
- In section 5M-1, guidance shouldn't be posted speed limit because people will drive faster
- A lot of e-bikes in this area

### C. Erosion and sediment control (Sections 7E-1, 7E-3, 7E-7, 7E-8, 7E-12, 7E-13, 7E-14, 7E-15, 7E-17, 7E-21, 7E-30, and 7E-31)

The SUDAS Erosion and Sediment Control Committee proposed various revisions to Chapter 7. This group did not have any comments.

## III. Specifications Manual Items

### A. Geotextiles (Section 2010, 2.04, C, 6)

Replaced ASTM reference with Iowa DOT Spec reference. The motion to approve was made by David Carney and seconded by Bryan Wells. The motion was approved.

### B. Precast structures (Section 6010, 2.02)

Added ASTM reference for rectangular structures and clarified that the ASTM already listed is for circular structures. The motion to approve was made by David Carney and seconded by Bryan Wells. The motion was approved.

### C. MIT thickness (Section 7010, 3.07, D)

Added a non-destructive measurement specifications to determine the pavement thickness and thickness index. This group did not have any comments.

### D. Dowel bar diameter (Figure 7040.106)

Since most city streets are not more than 10 inches thick, added a smaller dowel for pavements between 8 and 9.5 inches. Add dowel bar diameter table to figure to address. The motion to approve was made by David Carney and seconded by Bryan Wells. The motion was approved.

### E. Mast arm vibration clarification (Section 8010, 2.05, C, 2 and Figure 8010.105)

Correcting Figure 8010.105 to show vibration mitigator location and provides for both mechanical or

static devices. The motion to approve was made by David Carney and seconded by Brad Beck. The motion was approved.

**F. Pavement marking temperature restrictions** (Section 8020, 3.02, K, Table 8020.05)

Modified resin designation for low temperature waterborne paint. The motion to approve was made by David Carney and seconded by Amanda Goodenow. The motion was approved.

**G. Traffic signs and posts** (Section 8040)

Added a new section providing for contractor supplied permanent traffic signs. In the proposed section, staff questioned if we should require diamond grade or high intensity retroreflective sheeting. Sioux City uses diamond, Carroll uses high intensity. This group suggested including both options and to specify the type in the bid item. The motion to approve was made by Justin Pottorff and seconded by Dan Eckert. The motion was approved. *Note - the final version listed diamond grade as the default and high intensity if specified.*

**H. Seeding updates** (Section 9010)

Revised seeding specifications to match Iowa DOT due to limited supplies of certain seed. The motion to approve was made by David Carney and seconded by Brad Beck. The motion was approved.

**I. Turf reinforcement mats** (Section 9040, 2.17, B)

Deleted maximum slope requirements and added changes to types 2, 3, and 4 to allow synthetic components. The motion to approve was made by Amanda Goodenow and seconded by Bryan Wells. The motion was approved.

**IV. Other**

**A. Discussion items**

- *Remove and replace items - mainly 7030 and 7040 for curb and gutter/sidewalk?* Would be nice to have as an option.
- *Develop similar standard to Iowa DOT with asphalt stabilized base for railroad cross approach? Concern over RR not accepting due to time and costs.* Leave as is.
- *How do you determine time of concentration in drainage design? Do you use a 15 minute minimum?* Using a 3 hour storm (10 year). Differentiate between storm sewer and stormwater management.
- *Should we add PCC mix to the bid item - Class C/ C-SUD/etc.?* Would be okay to include.
- *Should we develop a modified (or new) SW-506 that would construct a true full rectangle (6' by 6' 8" inside) by expanding the intake well the full width of the front wall?* Okay to add as an additional option. Case 1 vs Case 2?
- *Anyone experiencing materials shortages of Class I pipe bedding?* No.
- *How are you handling larger vehicles (like pickups) in parking lot design?* Not being painted like the Design Manual states.
- *Other?*

**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 12:18 pm.

Minutes were recorded by Beth Richards, SUDAS Program Coordinator.