

SUDAS District 5 Meeting Minutes

October 26, 2022

The meeting was called to order at 10:08 am by Paul Wiegand.

Present:

DeWayne Heintz, Jefferson County
Ryne Thornburg, Van Buren County
Melanie Carlson, City of Fairfield
Brad Uitermarkt, Garden & Associates
Jeremy McLaughlin, Iowa DOT
Christy VanBuskirk, Iowa DOT

Sean Murphy, City of Oskaloosa
Phillip Burgmeier, City of Ottumwa
Brad Skinner, Appanoose County
David Carroll, Warren County
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 Ryne Thornburg and seconded by DeWayne Heintz. 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. This group suggested deleting “to the haul road” from the dust control product bid item. The motion to approve was made by Melanie Carlson and seconded by Sean Murphy. The motion was approved. *Note - change was missed by mistake; will be incorporated in 2024 Edition.*

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:

- Leave the tables as they are currently published in Chapter 5; have the complete streets design elements in the complete streets section.
- User profiles - info about recumbent bikes (site distance for being lower to the ground). *Note - Section 12B-2, Equation 12B-2.01 allows eye height to be part of the calculation for stopping sight.*

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. One person commented the terms sandbags and rock bags tend to be used interchangeably; be consistent.

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 Ryne Thornburg and seconded by Phillip Burgmeier. 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 Melanie Carlson and seconded by Ryne Thornburg. 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 commented that 1/4” is pretty nominal.

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 Carroll and seconded by Phillip Burgmeier. 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 Melanie Carlson and seconded by Phillip Burgmeier. 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 Ryne Thornburg and seconded by Brad Skinner. The motion was approved.
- G. Traffic signs and posts** (Section 8040)
Added a new section providing for contractor supplied permanent traffic signs. One person questioned if diamond grade is really necessary in an urban area (signs are closer to the streets). The motion to approve was made by David Carroll and seconded by Brad Uitermarkt. The motion was approved.
- H. Seeding updates** (Section 9010)
Revised seeding specifications to match Iowa DOT due to limited supplies of certain seed. The proposal deleted the requirement to have the bonded fiber matrix contain a minimum of 90% organic material; this group requested leaving that statement in. The motion to approve was made by Ryne Thornburg and seconded by DeWayne Heintz. The motion was approved. *Note - the rest of the districts and the DOT deleted that statement, which is the version that 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 Melanie Carlson and seconded by Ryne Thornburg. The motion was approved.

IV. Other

A. Discussion items

- *Remove and replace items - mainly 7030 and 7040 for curb and gutter/sidewalk?* No.
- *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?* Two commented they use the 15 min minimum.
- *Should we add PCC mix to the bid item - Class C/ C-SUD/etc.?* Yes.
- *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 option.
- *Anyone experiencing materials shortages of Class I pipe bedding?* No.
- *How are you handling larger vehicles (like pickups) in parking lot design?* No need to change anything.
- *Other?*
 - Brick manholes - manhole adjustments don't address those - minor adjustment = less than 12" as long as it doesn't address barrel sections? Make the minor adjustment more generic.
 - 7" pavement - 12 1/2' panel cracking - Ottumwa is having this problem.

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 12:20 pm.

Minutes were recorded by Beth Richards, SUDAS Program Coordinator.