

SUDAS District 2 Meeting Minutes

October 20, 2022

The meeting was called to order at 10:06 am by Mark Rahm.

Present:

Mark Rahm, City of Mason City
Mark Durbahn, AECOM
John Fallis, City of Charles City
Jay Waddingham, Franklin County
Jon Biederman, Fehr Graham

Brandon Billings, Cerro Gordo County
Ben Loots, Humboldt 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 Jon Biederman and seconded by Mark Durbahn. 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 Mark Durbahn and seconded by Jay Waddingham. 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: Leave the tables as they are currently published in Chapter 5; have the complete streets design elements in the complete streets section; and add language saying when to use/evaluate complete streets.

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 Mark Durbahn and seconded by John Fallis. 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 Jay Waddingham and seconded by John Biederman. 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 Ben Loots and seconded by Jay Waddingham. 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 Mark Durbahn and seconded by Mark Rahm. 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 Jon Biederman and seconded by Jay Waddingham. The motion was approved.
- G. Traffic signs and posts** (Section 8040)
Added a new section providing for contractor supplied permanent traffic signs. The motion to approve was made by Ben Loots and seconded by Jon Biederman. The motion was approved.
- 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 John Fallis and seconded by Mark Durbahn. 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 Jay Waddingham and seconded by Mark Rahm. The motion was approved.

IV. Other

A. Discussion items

- *Remove and replace items - mainly 7030 and 7040 for curb and gutter/sidewalk?* Mixed feelings.
- *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?* 5 mins.
- *Should we add PCC mix to the bid item - Class C/ C-SUD/etc.?* Indifferent.
- *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?* Agree with the idea of making an additional detail.
- *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?*

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 12:05 pm.

Minutes were recorded by Beth Richards, SUDAS Program Coordinator.