

SUDAS District 6 Meeting Minutes

October 25, 2022

The meeting was called to order at 10:01 am by Lee Tippe.

Present:

Darin Andresen, City of Marion
Jake Hahn, City of Marion
Bob Schiesl, City of Dubuque
Ken DeKeyser, City of Cedar Rapids
Lee Tippe, City of Cedar Rapids
Taylor Burgin, City of Cedar Rapids
Dillon Feldmann, Iowa DOT
Greg Shuger, Stanley Consultants
Joe Welter, City of Iowa City
Garret Reddish, Linn County
Zaid Alsamawi, City of Coralville
Barrett Hubbard, Shive-Hattery

Kent Ellis, Shive-Hattery
Tim Cutsforth, HR Green
John Link, Dave Schmitt Construction
Bob Tobin, Shoemaker and Haaland
Greg Parker, Johnson County
Angie Kersten Scott County
Mike Kurek, HDR Engineering
Brian Schadt, City of Davenport
Mark Crawford, Crawford Engineering
Dax Suntken, 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 Jake Hahn and seconded by Brian Schadt. 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 Jake Hahn and seconded by Bob Schiesl. 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:

- What about alleys in geometric design standards? Some communities are using for rear service access to garages.
- Leave the tables as they are currently published in Chapter 5; have the complete streets design elements in the complete streets section.

C. Erosion and sediment control (various Chapter 7 sections)

The SUDAS Erosion and Sediment Control Committee proposed various revisions to Chapter 7. This group had the following comments:

- Greenspace and buffer areas - limits of disturbance - mean anything?
- Inlet protection? New stuff coming out all the time.
- Rip rap alternatives - grouted revetment mats as an option?

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 Crawford and seconded by Joe Welter. 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 Jake Hahn and seconded by Bob Schiesl. 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. One person questioned if MIT Scan is proprietary. *Note - MIT = magnetic imaging tomography.*

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 Mark Crawford and seconded by Jake Hahn. 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 Greg Shuger and seconded by Jake Hahn. 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 Greg Parker and seconded by Dillon Feldmann. The motion was approved.

G. Traffic signs and posts (Section 8040)

Added a new section providing for contractor supplied permanent traffic signs. Paul summarized the comments from the previous districts and what changes will be included as a result. The motion to approve was made by Jake Hahn and seconded by Dillon Feldmann. 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 Greg Parker and seconded by Brian Schadt. 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 Jake Hahn and seconded by Dillon Feldmann. The motion was approved.

IV. Other

A. Discussion items

- ***Remove and replace items - mainly 7030 and 7040 for curb and gutter/sidewalk?*** Happen at different times, sometimes different contractors. Another said it would be handy because it simplifies the bidding process for some cases - e.g. - replacing a piece of sewer, street, sidewalk, etc. Contractor prefers to have separate, unless it is a small spot repair.
- ***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.?*** 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, but will be a very large structure and some feel this won't be used very often.
- ***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.
- ***Other?***
 - Methods to eliminate street creep? Use of pavement lug?
 - Driveway slope - max delta from existing driveway slope? (Control the change that may be included - original vs. new construction - advisory design language). *Note - this is included on Figure 5L-4.02.*

B. Iowa Public Works Service Bureau update

An update on the project was presented. Request to add a quantity range to the bid tab database. *Note - done.*

C. Products and/or research

Fiberglass dowels - what will the reclaimed pavement look like down the road?

Material supplies and price escalations? Suppliers are hoarding for their premium customers.

The meeting was adjourned at 12:17 pm.

Minutes were recorded by Beth Richards, SUDAS Program Coordinator.