

SUDAS District 2 Meeting Minutes

April 13, 2023

The meeting was called to order at 10:21 am by. Dennis Gentz.

Present:

Dan Kimball, AECOM

Rick Lockhart, Terracon

Brian Sullivan, City of Charles City

John Fallis, City of Charles City

Jay Waddingham, Franklin County

Becky Schwab, SEH

Wayne Castle, City of Waterloo

Dennis Gentz, City of Waterloo

Casey Stickfort, Clayton County

Paul Wiegand, SUDAS

Beth Richards, SUDAS

I. Administrative

A. Election of officers

According to the corporation bylaws, the districts are to elect a Chair and a Vice Chair every two years. The motion to elect Mark Rahm as the Chair and Jon Biederman as the Vice Chair was made by Rick Lockhart and seconded by Jay Waddingham. The motion was approved.

B. Minutes of the previous meetings and schedule of district meetings

The motion to approve the minutes was made by Becky Schwab and seconded by Rick Lockhart. The motion was approved. The committee concurred with the proposed meeting schedule.

II. Design Manual Items

A. Time of concentration (Section 2B-4, B, 1, b and 3, c)

Modified discussions on minimum time of concentration. The motion to approve was made by Dan Kimball and seconded by Jay Waddingham. The motion was approved.

B. Storm distribution for hydrograph routing (Sections 2A-4, 2B-4, and 2B-5)

Updated to new NRCS region-specific storm distributions. The motion to approve was made by Rick Lockhart and seconded by Becky Schwab. The motion was approved.

C. 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 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). The motion to approve was made by John Fallis and seconded by Dan Kimball. The motion was approved.

D. Erosion and sediment control regulatory requirements (Section 7B-1, B, 3 and C, 3)

Updated the regulatory elements to match the new NPDES General Permit No. 2 requirements, effective March 1, 2023. The motion to approve was made by Jay Waddingham and seconded by Rick Lockhart. The motion was approved.

E. Erosion and sediment control (various sections in Chapter 7)

The SUDAS Erosion and Sediment Control Committee proposed various revisions to Chapter 7. The motion to approve was made by Dan Kimball and seconded by Becky Schwab. The motion was approved.

III. Specifications Manual Items

A. Release of bid security (Section 1020, 1.15, C)

Clarified the release of bid security to unsuccessful bidders. The motion to approve was made by Rick Lockhart and seconded by Dan Kimball. The motion was approved.

B. Storm sewer joint opening (4020, 3.05, B, 3)

Modified joint opening requirements for gasketed storm sewer. The motion to approve was made by Jay Waddingham and seconded by Dennis Gentz. The motion was approved.

C. Double grate intake with manhole (new Figure 6010.516)

Developed a modification of SW-506 to make it a rectangle. The motion to approve was made by Dan Kimball and seconded by Becky Schwab. The motion was approved.

- D. Supplementary cementitious material clarification** (Section 7010, 2.02, C, 3)
Identified the combinations of cement types that can be used with fly ash and GGBFS. The motion to approve was made by Rick Lockhart and seconded by Jay Waddingham. The motion was approved.
- E. Pavement smoothness requirements** (Sections 7010, 3.07 and 7020, 3.05)
Updated pavement smoothness quality control to reflect DOT deleting their specifications section on profilograph and adding inertial profiler. Tables 7010.04 and 7020.04 uses “MRI” - one committee member requesting defining MRI. The motion to approve was made by Dan Kimball and seconded by Rick Lockhart. The motion was approved. *Note - MRI was defined as mean roughness index in the tables.*
- F. MIT thickness** (Section 7010, 3.07, D)
Added non-destructive measurement specifications to determine the pavement thickness and thickness index. The motion to approve was made by Jay Waddingham and seconded by Dan Kimball. The motion was approved.
- G. Thin lift overlays** (Section 7021, 3.01, B)
Clarified placement and opening temperatures. The motion to approve was made by Becky Schwab and seconded by Dan Kimball. The motion was approved.
- H. Traffic signal conduit** (Section 8010, 2.01, B)
Clarified Schedule 80 PVC meets the heavy wall conduit requirement. The motion to approve was made by Rick Lockhart and seconded by Dennis Gentz. The motion was approved.
- I. Chain link fence** (Section 9060, 1.08, A)
Developed bid item for residential chain link fence. One person commented that residential fencing is usually a smaller gauge than commercial fencing. The motion to approve was made by John Fallis and seconded by Dan Kimball. The motion was approved. *Note - residential and commercial fabric is the same gauge.*
- J. Safety rail** (Section 9080, 1.08, C)
Added the concrete for ground mounting of the safety rail to be included with the bid item. The motion to approve was made by Dan Kimball and seconded by Rick Lockhart. The motion was approved.

IV. Other

A. Discussion items

- *Should we develop execution language for minor adjustment of brick manholes?* All comes down to the engineer’s judgement.
- *Should we add specific criteria for removal of pipe due to type, width, and length of cracks noted by TV inspection (Section 4060, 3.02) or continue to allow the engineer to make the decision on a case-by-case basis?* Agree with District 1’s suggestion to include guidance in the Design Manual.
- *Add AASHTO R 73 as the standard for pre-installation inspection of RCP?* No.
- *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 11:53 am.

Minutes were recorded by Beth Richards, SUDAS Program Coordinator.