

SUDAS District 6 Meeting Minutes

April 26, 2023

The meeting was called to order at 10:02 am by Lee Tippe.

Present:

Ed Bartels, Johnson County	Joe Welter, City of Iowa City
Lee Tippe, City of Cedar Rapids	Patrick Schwickerath, Snyder & Associates
Bob Tobin, Shoemaker & Haaland	Bryan Benjamin, HR Green
Clayton Carper, Foth	Darin Andresen, City of Marion
John Link, Dave Schmitt Construction	Dillon Feldmann, Iowa DOT
Zaid Alsamawi, City of Coralville	Kent Ellis, Shive-Hattery
Tim Cutsforth, HR Green	Ken DeKeyser, City of Cedar Rapids
Mark Crawford, Crawford Engineering	Paul Wiegand, SUDAS
Greg Shuger, Stanley Consultants	Beth Richards, SUDAS
Barrett Hubbard, Shive-Hattery	

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 Bob Tobin as the Chair and Bryan Benjamin as the Vice Chair was made by Lee Tippe and seconded by Clayton Carper. The motion was approved.

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

The motion to approve the minutes was made by Patrick Schwickerath and seconded by Lee Tippe. 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 Patrick Schwickerath and seconded by Greg Shuger. 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 Lee Tippe and seconded by Ed Bartels. 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 Barret Hubbard and seconded by Zaid Alsamawi. 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 Lee Tippe and seconded by Greg Shuger. 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 Mark Crawford and seconded by Bryan Benjamin. 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 Ed Bartels and seconded by Greg Shuger. The motion was approved.

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

Modified joint opening requirements for gasketed storm sewer. This group discussed straight line vs

curved pipes. Decided to delete B, 3 because they felt A, 2 covered the requirement. The motion to DELETE B, 3 was made by Darin Andresen and seconded by Ed Bartels. 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 Tim Cutsforth and seconded by Lee Tippe. 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 Joe Welter and seconded by Patrick Schwickerath. 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. The motion to approve was made by Tim Cutsforth and seconded by Lee Tippe. The motion was approved.

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 Ed Bartels and seconded by Lee Tippe. 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 Joe Welter and seconded by Patrick Schwickerath. 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 Bryan Benjamin and seconded by Lee Tippe. The motion was approved.

I. Chain link fence (Section 9060, 1.08, A)

Developed bid item for residential chain link fence. The motion to approve was made by Patrick Schwickerath and seconded by Joe Welter. The motion was approved.

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 Patrick Schwickerath and seconded by Tim Cutsforth. The motion was approved.

IV. Other

A. Discussion items

- *Should we develop execution language for minor adjustment of brick manholes?* Indifferent.
- *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?* Some like the idea to have information in the Design Manual (another said they wouldn't know to look there); however, should be somewhere the contractor can reference.
- *Add AASHTO R 73 as the standard for pre-installation inspection of RCP?* Not bad to know the standard is out there, but don't want to include in the specs.
- *Other?*
 - Detectable warning panels - tuff tiles - thinner than some other cast iron panels. Tuff tiles are included in MAPLE, but there's been concern about them popping out and they are more flexible so they can warp
 - Precast concrete channel lining (basically a box culvert without a top)? One stated they've used them before.
 - Cold weather asphalt? Will be paving later because of new unemployment law (can't pay unemployment as long).

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 12:48 pm.

Minutes were recorded by Beth Richards, SUDAS Program Coordinator.