

## SUDAS District Webinar Minutes

February 22, 2023

The meeting was called to order at 9:03 am by Paul Wiegand.

<b>District 1 Members Present:</b>	
Aaron Jarosh, City of Grimes Austin Morrow, City of Ft. Dodge Brad Hopkey, Foth Infrastructure & Environment Chad Schaeffer, City of Ft. Dodge Daniel Harness, Iowa DOT Dave Skogerboe, HDR Inc. David Bovee, HR Green Inc. David Kamp, City of Des Moines Dean Sayre, City of Ames Donna Matulac, Iowa DOT Eric Petersen, City of West Des Moines Jeff May, City of Clive	Jenifer Bates, Iowa DOT John Gade, FOX Strand John Peterson, Peterson Planning Strategies Kristin Brostrom, City of Urbandale Larry Stevens, HR Green Inc. Larry Workman, City of Pleasant Hill Matt Greiner, City of Johnston Mike Thiel, Iowa DOT Nichole Sungren, MSA Professional Services Rudy Koester, City of Waukee Steve Klocke, Snyder & Associates Tom Vlach, City of Des Moines
<b>District 2 Members Present:</b>	
Becky Schwab, SEH Jamie Knutson, City of Waterloo	Mark Durbahn, AECOM Mark Rahm, City of Mason City
<b>District 3 Members Present:</b>	
Aaron Lincoln, City of Sergeant Bluff Amanda Goodenow, ISG Cody Forch, McClure Engineering Justin Pottorff, City of Sioux City	Mark Nahra, Woodbury County Nick Buse, Calhoun/Sac Counties Randy Krauel, City of Carroll Wes Boyer, Bolton & Menk Inc.
<b>District 4 Members Present:</b>	
Dave Sturm, Snyder & Associates Dave Vermillion, City of Council Bluffs Gary Sasse, JEO Consulting Group	John Jorgensen, HGM Associates Mike Hackett, Madison County
<b>District 5 Members Present:</b>	
Brad Uitermarkt, Garden & Associates Christy VanBuskirk, Iowa DOT David Carroll, Warren County	Melanie Carlson, City of Fairfield Ryne Thornburg, Van Buren County Zach Leach, Prairie Engineers
<b>District 6 Members Present:</b>	
Angie Kersten, Scott County Brian Schadt, City of Davenport Bryan Benjamin, HR Green Inc. Darin Andresen, City of Marion Dillon Feldmann, Iowa DOT Greg Parker, Johnson County Greg Shuger, Stanley Consultants Jacob Hahn, City of Marion Joe Welter, City of Iowa City John Link, Dave Schmitt Construction Co.	Jon Fitch, City of Hiawatha Lee Tippe, City of Cedar Rapids Mark Crawford, Crawford Engineering & Surveying Mike Kurek, HDR Inc. Patrick Schwickerath, Snyder & Associates Robert Schiesl, City of Dubuque Scott Larson, City of Coralville Taylor Burgin, City of Cedar Rapids Zaid Alsamawi, City of Coralville
<b>Staff Present:</b>	
Paul Wiegand, SUDAS	Beth Richards, SUDAS
<b>Others Present:</b>	
Andrew LaCroix, NVIAMG Greg Pierce, RDG Jen Dakovich, City of Des Moines	John Davis, City of Des Moines Jordan Kappos, Veenstra & Kimm

### I. Administrative

#### A. Schedule of district meetings

The proposed schedule of district meetings was presented.

#### B. Board of Directors meeting minutes

A summary of actions taken by the Board during the October/November electronic vote was presented.

## II. Design Manual Items

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

Modified discussions on minimum time of concentration. Reducing the time of concentration to 5 minutes would mean a significant increase of intakes (and therefore cost) added to street designs. One guest present during the webinar gave a quick summary of the impacts of changing the time of concentration from 15 mins to 5 or 10 mins.

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

Updated to new NRCS region-specific storm distributions. No comments.

### 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). Section 5M-1, page 9 references truck pillows; suggested adding a figure or a bit more information to describe. *Note - done.*

### 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. No comments.

### E. 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 questioned if the 12 inch dimension for pillow checks was correct; should it be feet? *Note - the dimension in inches is correct.*

## III. Specifications Manual Items

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

Clarified the release of bid security to unsuccessful bidders. No comments.

### B. Double grate intake with manhole (new Figure 6010.516)

Developed a modification of SW-506 to make it a rectangle. No comments.

### C. 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. No comments.

### D. 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. Will be looking for a standard for MRIs with speeds less than 45 mph. *Note - done.*

### E. MIT thickness (Section 7010, 3.07, D)

Added non-destructive measurement specifications to determine the pavement thickness and thickness index. A few cities noted they have successfully used; another questioned if it was premature to add.

### F. Thin lift overlays (Section 7021, 3.01, B)

Clarified placement and opening temperatures. No comments.

### G. Traffic signal conduit (Section 8010, 2.01, B)

Clarified Schedule 80 PVC meets the heavy wall conduit requirement. No comments.

### H. Safety rail (Section 9080, 1.08, C)

Added the concrete for ground mounting of the safety rail to be included with the bid item. No comments.

## IV. Other

### A. Discussion items

- **Residential fencing -**
  - **Develop specifications for chain link fence?** Would like to see as an option.
  - **Develop standards for wood privacy type fence?** Too many variations; too hard to develop standards. Comment from chat “could still have some standard details such as post bury, but have the remainder of the specs ‘as specified by the jurisdictional engineer’, which would in turn be match existing.”
- **Should we clarify “inlet elevation” versus the typical “form grade” on the SW-512 and SW-513 area intakes?** Suggested discussing with suppliers. *Note - suppliers indicated they are not confused.*

- ***Do we want to develop cross-stitching specifications to address PCC longitudinal cracks?*** One person stated they used the DOT's specs for this.
- ***Should we develop execution language for minor adjustment of brick manholes?*** One commented they replace brick manholes with a precast unit. Lining with a cementitious material. One consultant commented it is an issue in smaller communities.
- ***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?*** One stated they would be interested in at least seeing and discussing the manufacturers' recommendations. Concern about putting ourselves in a difficult spot in existing pipe scenarios.
- ***Add AASHTO R 73 as the standard for pre-installation inspection of RCP?*** Guidance for PVC pipes? No. Question in chat - stipulations for flexible pipe in regards to UV light and deformation? Stockpiling can be a concern.
- ***Add use of hybrid polymer additives for asphalt mixes?*** DOT has created a special provision for temporary pavement and shoulder reinforcing. Can use the DOT's special provision for now. No comments.
- ***Modify tree planting dates to better coordinate with seeding dates?*** One commented that this seems like more of a contractor coordination issue. No concern with the current dates.
- ***Use of fiberglass dowel bars?*** A few communities have used. Johnson County did a test project and will share results. One expressed a concern about many years down the line - what happens when you have to reclaim the pavement and it is full of fiberglass shards? Question in chat - are there UV storage concerns? Comments from other participants said their bars were epoxy coated.
- ***Other?*** Sect 4C-1 - no language for if water main is under storm sewer. *Note - water main not allowed to be placed less than 18 inches under storm sewer per DNR.*

**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 11:25 am. Minutes were recorded by Beth Richards, SUDAS Program Coordinator.