

## SUDAS District 6 Webinar Minutes

April 22, 2020

The meeting was called to order at 10:07 am by Lee Tippe.

### Present:

Darin Andresen, City of Marion  
Bryan Benjamin, MSA Professional Services, Inc.  
Clayton Carper, Foth-Infrastructure and Environment  
Ken DeKeyser, City of Cedar Rapids  
Brenna Fall, City of Cedar Rapids  
Aaron Granquist, HR Green, Inc.  
Jake Hahn, City of Marion  
DeWayne Heintz, L.L. Pelling Co.  
Barrett Hubbard, Shive-Hattery, Inc.  
Mike Kurek, HDR, Inc.  
Scott Larson, City of Coralville

John Link, Dave Schmitt Construction Co., Inc.  
Garret Reddish, Linn County  
Brian Schadt, City of Davenport  
Bob Schiesl, City of Dubuque  
Patrick Schwickerath, Snyder & Associates  
Greg Shuger, Stanley Consultants  
Lee Tippe, City of Cedar Rapids  
Bob Tobin, Shoemaker & Haaland  
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 Patrick Schwickerath and seconded by Aaron Granquist. The motion was approved. The committee concurred with the proposed meeting schedule.

### II. Design Manual Items

#### A. General provisions (Chapter 1)

Updated the chapter based on current practices. This district had the following comments:

- We may not want to standardize who is responsible for the Plans of Record, but we should have language about including this responsibility in the construction contract if it is not included in the consultant contract or performed directly by the jurisdiction. On development projects, or non-jurisdiction-led projects, stipulate the submittal of plans of record to the jurisdiction before bonds are accepted at the end of the project.
- Would that make it need to be a bid item then if the contractor has to do it? This should be well clarified and mirrored in the specifications if it is a contractor responsibility. Paul stated proposed language will be added to the specs for the October meetings.

The motion to approve was made by Brenna Fall (with the change of language to Plan of Record) and seconded by Aaron Granquist. The motion was approved.

#### B. Water main LUST interaction (Section 4C-1)

Modified to match Iowa DNR permit requirements for interaction of water mains and LUST sites. The motion to approve was made by Aaron Granquist and seconded by Barrett Hubbard. The motion was approved.

#### C. Minimum street width alternative (Sections 5C-1 and 5C-2)

Updated Table 5C-1.01 by adding an additional 27 feet back-to-back street width and a 48 foot cul-de-sac radius alternative when agencies have larger fire apparatus. The motion to approve was made by Mike Kurek and seconded by Bob Schiesl. The motion was approved.

#### D. Lane width and capacity (Section 5C-2, A)

Updated to reflect new lane width and capacity relationships. The motion to approve was made by Darin Andresen and seconded by Bryan Benjamin. The motion was approved.

#### E. Driveway design for low volume residential streets (Sections 5L-3 and 5L-4)

Updated point of width measurement, established width based on number of garage stalls, clarified joint driveway width, and updated distance from intersections. The motion to approve was made by Brenna Fall and seconded by Bob Schiesl. The motion was approved.

#### F. Utility locating site restoration (Design Section 5I-3; Spec Sections 3020 and 7040)

Added information to address re-establishment of the pavement following cutting of core holes in pavements for utility location. Paul presented a figure shared by the City of Cedar Rapids and asked the group if they would be in favor of adding a figure as well. This district liked the idea of adding a figure.

The motion to approve was made by Aaron Granquist and seconded by Barrett Hubbard. The motion was approved. *Note - most districts were in favor of the idea and therefore a figure will be developed.*

### III. Specifications Manual Items

- A. Abbreviations and definitions** (Section 1010)  
Added abbreviations and definitions for commonly used terms. The motion to approve was made by Barrett Hubbard and seconded by Brenna Fall. The motion was approved.
- B. Deleted bid items** (Section 1040, 1.06, C)  
Added information on paying for delivered materials if the bid item is deleted. Include transportation and overhead on both items 1 and 2. Clarify the 10% is of the invoiced material cost (clarify with the DOT). Invoiced restocking fee rather than “appropriate”. Change to “documented” transportation costs and don’t use “any”. Due to the change, Paul stated we would discuss this item again in October with the language further clarified.
- C. Project area maintenance** (Section 1070, 2.08, C)  
Added clarification concerning maintenance of the work area during the project. The motion to approve was made by Aaron Granquist and seconded by Patrick Schwickerath. The motion was approved.
- D. Visual inspection of sewers** (Section 4060, 3.02)  
Deleted requirement for lamping sewers and culverts. The motion to approve was made by Patrick Schwickerath and seconded by Clayton Carper. The motion was approved.
- E. Water main pipe options** (Section 5010, 2.01, 2.03, and 3.04)  
Deleted prestressed concrete cylinder pipe as a standard water main pipe since it has limited use and application. The motion to approve was made by Barrett Hubbard and seconded by John Link. The motion was approved.
- F. Fire hydrants** (Spec Section 5020, 3.03, F and Design Section 4C-1, E)  
Clarified fire hydrant placement and orientation to meet 2018 International Fire code. The motion to approve was made by Scott Larson and seconded by Brenna Fall. The motion was approved.
- G. Steps in deep structures** (Sect 6010, 2.13; Figs SW-301, SW-303, SW-304, SW-305, SW-401, SW-404, SW-405)  
Added steps for structures deeper than 20 feet. The motion to approve was made by Scott Larson and seconded by Aaron Granquist. The motion was approved.
- H. Cross slope for sidewalks, driveways, and shared use paths** (Section 7030, 3.04)  
Clarified maximum, target, and minimum cross slope requirements. Combine the last three sentences of the proposal so “unless otherwise specified” applies to all. The motion to approve was made by DeWayne Heintz and seconded by Brenna Fall. The motion was approved. *Note- done.*
- I. Water for seeding** (Section 9010, 1.08, D)  
Modified the measurement and payment for watering to eliminate confusion of MGAL, which has been misinterpreted as a million gallons rather than 1,000 gallons. The motion to approve was made by Darin Andresen and seconded by Bryan Benjamin. The motion was approved.

### IV. Other

- A. Discussion Items**
- ***Curing of sidewalks, driveways, and shared use paths - change default to cure?*** Change the default to cure. One person commented that the cost is about a dime a square foot extra.
  - ***Any confusion about proof rolling and the loading on the trucks?*** Interpretation of total vehicle weight or just the axel weights. How do you verify? Usually come from a rock quarry so they are weighed.
  - ***Should we add specifications for PVC/HDPE concrete pipe liner to combat caustic sewage?*** Yes. Need to include for manholes as well. Add something to the design manual to add guidance on when to use.
  - ***Should we modify DIP water main specifications to pressure class from thickness class?*** No change needed. One person had a project that specified pressure class and the supplier said they don’t keep it in stock so they did thickness class instead.

- **Other?**
  - One person commented their city is starting to use the Mr. Manhole process for rehabbing manholes. Another commented they have used the process on many rehab projects and now starting to use for new construction (about \$700 more per manhole, but overall saves money in repairs). Mr. Manhole also has special cone insert that works as the chimney seal.

**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 12:25 pm.

Minutes were recorded by Beth Richards, SUDAS Program Coordinator.