

## SUDAS District 6 Committee Meeting Minutes

October 23, 2019

The meeting was called to order at 10:04 am by Bob Tobin.

### Present:

Scott Larson, City of Coralville

Bob Tobin, Shoemaker & Haaland

Brenna Fall, City of Cedar Rapids

Bob Schiesl, City of Dubuque

Greg Shuger, Stanley Consultants

Darin Andresen, City of Marion

Mark Crawford, Crawford Engineering & Surveying

Patrick Schwickerath, Synder & Associates

DeWayne Heintz, L.L. Pelling Co.

Ed Bartels, Johnson County

Ken DeKeyser, City of Cedar Rapids

Jacob Hahn, City of Marion

Garret Reddish, Linn County

Tim Cutsforth, HR Green

Aaron Granquist, HR Green

Brain Schadt, City of Davenport

Joe Welter, City of Iowa City

Barrett Hubbard, Shive-Hattery, Inc.

John Bender, City of Hiawatha

Clayton Carper, Foth Infrastructure and Environment

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 Scott Larson.

The motion was approved. The committee concurred with the proposed meeting schedule.

#### B. Board of Directors meeting minutes

A summary of actions from the May 17, 2019 Board meeting was presented.

### II. Design Manual Items

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

Updated the chapter based on current practices. Comments:

- How common is it to run 2 lines (1B-1.06)? Public footing drain - how often are those put in? Change description to footing drain collector or longitudinal subdrain
- Might be worthwhile to include subdrains in the sheet designation list?
- Sample legend - scalable size for certain items? Add a sentence (to lead in paragraph m) to make sure the legend matches the symbols they actually use (and make sure it's complete). Sentence here also about scalable line weights/sizes, etc. Level of accuracy labels (SUE standard)?
- Font size being at least legible when printed to 11x17 (or whatever the jurisdiction requires)? (What does Iowa DOT say?)
- Process in place for what utilities should be submitting to municipalities? Design plan? As-builts? Part of a permit process? Concern that it might be creating a headache for cities who have their own utilities.

### III. Specifications Manual Items

#### A. Water main pipe installation (Section 5010, 3.02 and 3.03)

Added AWWA references for installation of DIP and PVC water main pipe. The motion to approve was made by Aaron Granquist and seconded by Joe Welter. The motion was approved.

#### B. Fire hydrants (Section 5020, 3.03, A and F)

Clarified fire hydrant placement, clear space, and orientation. After the agenda was prepared, it was called to our attention that the 2018 International Fire Code is available and more revisions are necessary to this section. No action taken. *Note - this item will be discussed further; no action taken by the Board.*

#### C. Intake lid slope (Section 6010, 3.01, D)

Added requirements to match intake lid slope with adjacent street slope. The motion to approve was made by Brenna Fall and seconded by Darin Andresen. The motion was approved.

#### D. Intakes (Figures 6010.515, 541, 542, 545, and 604)

Modified dimensions for SW-515 so it can more easily be used in pavement. Added information on pipe sizes and minimum pipe clearance to SW-541 and 545. One committee member noted the dimensions on SW-541 are not lining up/adding up; should it be pointed out that the B joint should be flush with the

pavement? The motion to approve was made by Tim Cutsforth and seconded by Ed Bartels. The motion was approved. *Note - these corrections were made.*

**E. PCC joint spacing** (Spec Figs 7010.101 and 901; 6010.507, 508, 509, 510; Design Sects 5G-1, 5G-2, 5G-3, and 5G-4)

Revised text and figures to reflect Iowa DOT's new maximum of 12' longitudinal and 17' transverse spacing. The motion to approve was made by Patrick Schwickerath and seconded by Scott Larson. The motion was approved.

**F. Cross slope** (Section 7030, 3.04, A, 4 and B, 1)

Established a default cross slope for sidewalks and shared use paths. This committee suggested the following language: cross slope for sidewalks and shared use paths is a minimum of 1.5%, +/- 0.5%, with an absolute maximum of 2.0%, unless otherwise indicated on the plans. The motion to approve (with the above revision) was made by Brian Schadt and seconded by DeWayne Heintz. The motion was approved. *Note - this item was not approved by all of the districts; need further discussion.*

**G. Temporary traffic signals** (Section 8010, 1.08)

Added bid item information for moving the temporary signal around during a project or changing timing to reflect staging. The motion to approve was made by Mark Crawford and seconded by Darin Andresen. The motion was approved.

**H. Sodding** (Section 9020, 2.01, A; 3.04, B; 3.05; and 3.06, B, 3)

Modified age, added cultivars, modified depth of cut, and added more details for watering. The motion to approve was made by Clayton Carper and seconded by Darin Andresen. The motion was approved.

**I. Retaining walls** (Sections 9070 and 9071)

Revised to reflect changes to Iowa DOT Specifications and I.M.'s/MAPLE. The motion to approve was made by Ed Bartels and seconded by Clayton Carper. The motion was approved.

#### IV. Other

##### A. Discussion Items

- ***Problem with contractors cutting weeds/cleaning up/maintaining construction site?*** Yes.
- ***Driveway criteria?*** Marion - 12' per stall with a 36' max; measure at the sidewalk/ROW line. Would like to see similar language in the specs.
- ***Adjust street widths based on 2012 International Fire Code?*** Agree that we need an option that follows International Fire Code.
- ***Continue to require sewer lamping?*** Not lamping here.
- ***Establish response/review time for shop drawings?*** No.
- ***Are you still requiring contractors to file lien waivers or do you just wait the 30 days following acceptance to issue retainage and pay if no Section 573 claim has been filed?*** Just wait the 30 days.
- ***Develop specifications section covering short (4' max) poured PCC retaining walls?*** Yes. Would like it to cover if there are any foundation requirements if something is going to be put on top of the wall (structural concrete).
- ***Add bid item for detention basin riser pipe/assembly?*** Yes.
- ***Add criteria for maximum manhole depth to a landing? Develop detail?*** Add a note saying if the manhole is greater than 20', consider adding steps. Seems like a case-by-case design issue.
- ***Water Mains:***
  - ***Delete prestressed concrete cylinder pipe?*** Yes.
  - ***Add HDPE pipe for water main use in Section 5011 and make an official SUDAS Spec Section (currently a developmental spec online only)?*** More options are better.
- ***Modify detectable warning panel specifications if Iowa DOT drops polymer panels?*** Iowa DOT decided to keep - no change needed.
- ***Pavement replacement methods for vacuum excavation - panel or allow the core to be reinserted when doing vacuum excavation for elevation checks?*** Iowa City - whole panel (in theory). Better to be at least 1/2 a panel. Make it more performance based than an absolute?
- ***Confusion about interaction with LUST and UST related to water main pipe materials? Clarification needed?*** Need to update based on current Iowa DNR permit language.

- *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 1:24 pm.

Minutes were recorded by Beth Richards, SUDAS Program Coordinator.