

## SUDAS District 6 Meeting Minutes

April 26, 2022

The meeting was called to order at 10:05 am by Lee Tippe.

### Present:

Jon Fitch, City of Hiawatha

Darin Andresen, City of Marion

Jake Hahn, City of Marion

Mark Crawford, Crawford Engineering

Ken DeKeyser, City of Cedar Rapids

Greg Shuger, Stanley Consultants

Kent Ellis, Iowa DOT

Mike Kurek, HDR Engineering

Stephanie Hemberger, HNTB

Brian Schadt, City of Davenport

Brent Morlok, City of Bettendorf

Barrett Hubbard, Shive-Hattery

Joe Welter, City of Iowa City

Lee Tippe, City of Cedar Rapids

Taylor Burgin, City of Cedar Rapids

John Link, Dave Schmitt Construction

Garret Reddish, Linn County

Neil Shatek, Johnson County

Patrick Schwickerath, Snyder & Associates

Scott Larson, City of Coralville

Zaid Alsamawi, City of Coralville

Angie Kiersten, Scott County

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.

### II. Design Manual Items

#### A. Complete streets study (Chapters 5, 12, and 13)

An IHRB project is proposing updates to several shared SUDAS/Iowa DOT 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). Paul presented a quick summary of the proposed updates. No comments.

#### B. Separation of water mains from sewer mains (Design Sections 2D-1, F; 3C-1, G; and 4C-1, G; Spec Sections 4010, 3.12; 4020, 3.08; and 5010, 3.06)

Updated water and sewer separation language based on new Iowa DNR rules. Add subdrains to the second sentence under 2D-1, F. The motion to approve was made by Barrett Hubbard and seconded by Patrick Schwickerath. The motion was approved. *Note - done.*

#### C. Street flow criteria (Section 2A-3, Table 2A-3.01 and Table 2A-3.02)

Added roundabouts to the street classifications related to allowable spread of stormwater. In Table 2A-3.01, 2<sup>nd</sup> row, separate the last sentence into two. Clarify that one-way streets should have a single 12 foot lane clear of stormwater. Add a new sentence for roundabouts requiring 8 feet clear of stormwater. The motion to approve was made by Jon Fitch and seconded by Darin Andresen. The motion was approved. *Note - clarified the language as requested.*

#### D. Storm and sanitary manhole drop (Sections 2C-3, G, 6 and 3C-1, L, 5)

Added preferred manhole drop of 0.3 feet and maintained minimum of 0.10 feet. The motion to approve was made by Jake Hahn and seconded by Mark Crawford. The motion was approved.

### III. Specifications Manual Items

#### A. Clearing and grubbing (Section 2010, 1.08, C and 3.01, D)

Added "includes" information to lump sum bid item and corrected reference to open burning requirements. The motion to approve was made by Jon Fitch and seconded by Patrick Schwickerath. The motion was approved.

#### B. Composite castings (Section 6010, 2.10, C)

Added composite castings as an alternative product. The motion to approve was made by Jon Fitch and seconded by Mark Crawford. The motion was approved.

**C. Precast top** (Figure 6010.301)

Added a new note to allow for eccentric flat top in lieu of eccentric cone section. The motion to approve was made by Barrett Hubbard and seconded by Scott Larson. The motion was approved.

**D. Cement alternatives** (Section 7010, 2.01, A)

Added Type 1T cement as an option for Type I/II cements; 1T is a ternary blend with slag/limestone or pozzolan/limestone. The motion to approve was made by Jake Hahn and seconded by Barrett Hubbard. The motion was approved.

**E. Admixtures** (Section 7010, 2.01, G)

Added I.M. 403 reference for approved sources for admixtures including new CarbonCure. The motion to approve was made by Darin Andresen and seconded by Brent Morlok. The motion was approved.

**F. Railroad crossing approaches** (Figures 7010.903 and 7020.902)

Deleted the 1 inch fiber board from the railroad crossing approach figures. The motion to approve was made by Patrick Schwickerath and seconded by Barrett Hubbard. The motion was approved.

**G. Curing compound** (Section 7011, 1.08, A, 7; 2.01, M; and 3.02, E, 3)

Added liquid curing compound as an option for a bond breaker for PCC overlay of concrete. The motion to approve was made by Jon Fitch and seconded by Mark Crawford. The motion was approved.

**H. Asphalt pavement thickness deficiency** (Section 7020, 3.04, C)

Modified thickness checks for non-uniform pavement sections. The motion to approve was made by Jake Hahn and seconded by Mike Kurek. The motion was approved.

**I. PCC mix for sidewalks, driveways, and shared use paths** (Section 7030, 2.01, A)

Deleted Class B mixes due to high w/c ratio and substituted Class A mix for sidewalks and driveways. The motion to approve was made by Jon Fitch and seconded by Darin Andresen. The motion was approved.

**J. Dowel bars for PCC patches** (Section 7040, 2.01, F)

Added glass fiber reinforced polymer bars for use in full depth PCC patches. The motion to approve was made by Darin Andresen and seconded by Jon Fitch. The motion was approved.

**K. Pavement markings** (Section 8020, 2.01)

Added methyl methacrylate (MMA) to paint products. The motion to approve was made by Jon Fitch and seconded by Darin Andresen. The motion was approved.

**L. Traffic signs and posts** (Section 8040)

Added a new section providing for contractor supplied permanent traffic signs. 1.08, C - sign assembly. 2.02, A - remove plywood (also questioned galvanized steel). 2x2 posts. Surface mount? And details? Asked the group to delay action on this item based on comments received from the previous districts - more work to do.

**M. Mowing** (Section 11,060)

Added a mowing section to Division 11 to cover measurement, payment, and execution elements as an option to be used when projects extend throughout the growing season. Change mowing timing - individual cities have noise ordinances (e.g. - summer can't mow before 7 am). Contractor needs to complete the mowing within the 5 mowing days. \$200 penalty is steep - at a rate specified? 1.07, B - concern about contractors will start expecting to seeing mowing as a separate bid item. Tabled this item as well.

#### IV. Other

**A. Discussion items**

- *Interested in non-destructive thickness measurements for PCC pavement?* Skeptical.
- *Do you consider adjustments (either minor or major) to double grate intakes (SW-505/506) as one or two adjustments for bid purposes?* One structure, count as one.
- *Other?* Suggested posting city supplementals on the SUDAS website. *Note - posted on PWSB site (so users can upload themselves) with link on SUDAS site.*

**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 12:08 pm. Minutes were recorded by Beth Richards, SUDAS Program Coordinator.