

SUDAS District 1 Committee Meeting Minutes

April 17, 2019

The meeting was called to order at 10:03 am by Jeff May.

Present:

Steve Klocke, Snyder & Associates

Ben McAlister, City of West Des Moines

Brian Mastbergen, DGR Engineering

John Larson, City of Urbandale

Matt Greiner, City of Johnston

Rob Kline, GBA

Brad Hopkey, FOTH

Ron DeGroot, City of Des Moines

David Kamp, City of Des Moines

Ron Otto, AGC

Larry Workman, City of Pleasant Hill

Phil Northup, City of Pleasant Hill

John Peterson, PPS

Dave Skogerboe, HDR

David Bovee, HR Green

Chadd Kahlsdorf, Bolton and Menk

Jason Etnyre, City of Indianola

Eric Johnsen, Iowa DOT

Daniel Harness, Iowa DOT

Jon Hanson, City of Altoona

Larry Stevens, HR Green

Jeff May, City of Clive

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 Jason Etnyre and seconded by Matt Greiner. The motion was approved. The committee concurred with the proposed meeting schedule.

B. Board of Directors meeting minutes

A summary of actions from the October Board electronic vote was presented.

II. Design Manual Items

A. Clear zone in urban areas (Section 5C-1, Table 5C-1.05)

Set the preferred and acceptable clear zone on low speed urban roadways without consideration for roadway classification. The motion to approve was made by John Peterson and seconded by Jason Etnyre. The motion was approved.

B. LED street lighting (Chapter 11)

Updated the chapter to reflect use of LED street lighting. The motion to approve was made by Jon Hanson and seconded by Larry Stevens. The motion was approved.

C. Temporary traffic control (Sections 13B-1 through 13B-6)

Added section on the design requirements for work zone traffic control. One committee member asked about speed cameras in work zones and speed feedback cameras in Iowa DOT work. The motion to approve was made by Jon Hanson and seconded by John Peterson. The motion was approved.

III. Specifications Manual Items

A. MAPLE abbreviation and definition (Section 1010, 1.02 and 1.03)

Added an abbreviation and definition in order to reference MAPLE within the specifications. The motion to approve was made by Larry Stevens and seconded by Brian Mastbergen. The motion was approved.

B. Compaction testing for subgrade cut sections (Section 2010, 3.06)

Clarified that moisture and density elements should be used for compaction in subgrade cut sections. The motion to approve was made by Matt Greiner and seconded by Brian Mastbergen. The motion was approved.

C. Linear trench drain (Section 4020, 1.08, 2.02, 3.04, and Figure 6010.521)

Added linear trench drain as joint SUDAS/Iowa DOT specifications and figure. The motion to approve was made by Jon Hanson and seconded by John Peterson. The motion was approved.

D. Pipe rehabilitation (Section 4050)

Revised the pipe rehabilitation section based on current practices/products. This committee had the following comments: discussed bypass pumping; leave at lump sum. What constitutes a “defect” (qualifier)? Suggested looking for language from the manufacturer (i.e. no larger than thickness of the

liner?). The motion to approve was made by John Peterson and seconded by Larry Stevens. The motion was approved. *Note - there is no industry standard; need to use engineering judgement.*

E. Intakes (Section 6010, 2.01 and Figures 6010.515, 541, 542, and 545)

Developed a new figure for a double well area intake. Added three Iowa DOT figures - open-throat curb intake under pavement, extension unit for open-throat curb intake under pavement, and single open-throat curb intake with extended opening. The motion to approve was made by Larry Stevens and seconded by Jon Hanson. The motion was approved.

F. Adjustable casting (Section 6010, 2.01, D; 3.01, J; and Figures 6010.601 and 602)

Revised text and figures to allow for an additional adjustable casting. The motion to approve was made by Matt Greiner and seconded by Brad Hopkey. The motion was approved.

G. Cementitious mortar liner with epoxy seal (Section 6020, 2.03)

Developed ranges as opposed to a single value to allow for more products. The motion to approve was made by Jon Hanson and seconded by Larry Stevens. The motion was approved.

H. Honeycomb repair (Section 7010, 3.02)

Added information for honeycomb repair of non-formed paving. The motion to approve was made by Matt Greiner and seconded by John Peterson. The motion was approved.

I. Driveway drop curb heights (Figures 7010.102 and 7030.101)

Resolved differences in drop curb heights in new PCC pavements and driveway sections. The motion to approve was made by Jon Hanson and seconded by Rob Kline. The motion was approved.

J. Boxouts in HMA pavements (Figure 7020.201)

Expanded options for jointing when HMA is extended through the boxout to the casting. The motion to approve was made by Jason Etnyre and seconded by John Peterson. The motion was approved.

K. High performance thin lift overlays (Spec Sect 7021, 2.04, C; Design Sect 5J-1, C, 1, b)

Modified binder grade to ensure adequate crack resistance properties. The motion to approve was made by Larry Stevens and seconded by Brad Hopkey. The motion was approved.

L. Driveway flares (Spec Figures 7030.101 and 102; Design Section 5L-4, C)

Clarified that the flare should be 3 to 5 feet for residential and agricultural driveways. The motion to approve was made by John Peterson and seconded by Matt Greiner. The motion was approved.

M. Temporary traffic signals (Section 8010, 1.08 and 3.06)

Expanded payment and removal process for temporary traffic signals. The motion to approve was made by Matt Greiner and seconded by Chadd Kahlsdorf. The motion was approved.

IV. Other

A. Discussion Items

- *Provide additional guidance on construction staking when 3D design models are available? Committee to develop?* No.
- *As their use increases, do 3D plans ever become the plans that govern?* No.
- *Identify specific trench dewatering control techniques (gravity bag filter, gravity tank, etc.)?* Not using yet.
- *Erosion and sediment control applications: Add slash berms? Add anchored temporary coverings? Delete compost filter berms?* Not using these (including compost filter berms). Iowa DOT uses slash berms as a temporary silt fence alternative.
- *Should we add bid item and execution elements for abandoning water mains?* No.
- *Should we specifically identify the type of water valve tapping assembly in bid item and product sections - wet tap or insertion?* No.
- *Other?* None.

B. Products and/or research

EJ composite manhole structures

The meeting was adjourned at 11:58 am.

Minutes were recorded by Beth Richards, SUDAS Program Coordinator.