

SUDAS District 4 Committee Meeting Minutes

April 12, 2019

The meeting was called to order at 9:03 am by Scott Reelfs.

Present:

David Vermillion, City of Council Bluffs
Scott Reelfs, HGM
Dave Sturm, Snyder & Associates
George Parris, JEO

Vince Ehlert, Iowa DOT
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 George Parris and seconded by Dave Sturm. 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 Dave Vermillion and seconded by Vince Ehlert. 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 George Parris and seconded by Dave Vermillion. 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. The motion to approve was made by Dave Sturm and seconded by Scott Reelfs. 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 Scott Reelfs and seconded by Vince Ehlert. 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 George Parris and seconded by Dave Vermillion. 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 shared SUDAS/Iowa DOT specifications and figure. The motion to approve was made by Dave Sturm and seconded by Vince Ehlert. The motion was approved.

D. Pipe rehabilitation (Section 4050)

Revised the pipe rehabilitation section based on current practices/products. Discussed bypass pumping; in the end, decided to leave it as presented. The motion to approve was made by Scott Reelfs and seconded by Vince Ehlert. The motion was approved.

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 Dave Vermillion and seconded by Dave Sturm. 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. This district suggested clarifying that the HMA casting is used in situations without a concrete boxout. The motion to approve was made by Dave Sturm and seconded by Vince Ehlert. The motion was approved. *Note - 3.01, J says to specify the type of casting.*

- 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 Scott Reelfs and seconded by Dave Vermillion. 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 Vince Ehlert and seconded by Scott Reelfs. 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 Scott Reelfs and seconded by Dave Vermillion. 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 Dave Vermillion and seconded by Vince Ehlert. 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 George Parris and seconded by Scott Reelfs. 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 Vince Ehlert and seconded by Scott Reelfs. 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 Scott Reelfs and seconded by Dave Vermillion. The motion was approved.

IV. Other

A. Discussion Items

- *Provide additional guidance on construction staking when 3D design models are available? Committee to develop?* Council Bluffs does staking themselves (the Engineer's responsibility). No 3D plans outside of dirt work.
- *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?* No one here is using these applications.
- *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?* Yes
- *As their use increases, do 3D plans ever become the plans that govern?* No. Thought Chapter 26 said you have to provide paper plans.
- *Other?*
 - C-SUD mix is 15% higher (in cost) according to some contractors
 - Joint sealing

B. Products and/or research

- “Perfect pipe”
- Prestressed concrete cylinder pipe?

The meeting was adjourned at 11:23 am.

Minutes were recorded by Beth Richards, SUDAS Program Coordinator.