

SUDAS District 3 Committee Meeting Minutes

April 11, 2019

The meeting was called to order at 10:04 am by Randy Krauel.

Present:

Luke Summers, Bolton and Menk
Aaron Lincoln, City of Sergeant Bluff
David Carney, City of Sioux City
Bryan Wells, DGR Engineering
Nick Buse, ISG

Randy Krauel, City of Carroll
Alex Thornton, EOR, Inc
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 Dave Carney and seconded by Bryan Wells. 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 Randy Krauel and seconded by Dave Carney. The motion was approved.

B. LED street lighting (Chapter 11)

Updated the chapter to reflect use of LED street lighting. Communities in this area have gone with spacing for local roads; too much light otherwise. The motion to approve was made by Aaron Lincoln and seconded by Bryan Wells. The motion was approved (one nay).

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 Carney and seconded by Luke Summers. 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 Aaron Lincoln and seconded by Randy Krauel. 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 Dave Carney and seconded by Nick Buse. 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 Nick Buse and seconded by Bryan Wells. 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: add a clarification that the hourly rate is at initiation of cleaning operation to the completion of cleaning operation. Bypass pumping - confusing that it's included and then there's also an item; clarify. Also not thrilled with lump sum payment of lump sum (suggest each by location). The motion to approve was made by Luke Summers and seconded by Randy Krauel. The motion was approved. *Note - clarified the timing; left bypass measurement/payment as is.*

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 Carney and seconded by Aaron Lincoln. 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 Dave Carney and seconded by Randy Krauel. 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 Randy Krauel and seconded by Aaron Lincoln. 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 Dave Carney and seconded by Aaron Lincoln. 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 Aaron Lincoln and seconded by Randy Krauel. 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 Randy Krauel and seconded by Bryan Wells. 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 Aaron Lincoln and seconded by Nick Buse. 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 Luke Summers and seconded by Randy Krauel. 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 Randy Krauel and seconded by Bryan Wells. The motion was approved.

IV. Other

- A. Discussion Items**
 - ***Provide additional guidance on construction staking when 3D design models are available? Committee to develop?*** Use on dirt work projects. Not as much on utility side. No special survey elements required so far.
 - ***Identify specific trench dewatering control techniques (gravity bag filter, gravity tank, etc.)?*** No one here is using them
 - ***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?*** If removing and digging a separate trench, would probably want a bid item. Project-specific.
 - ***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
 - ***Other?***
 - Fiberglass rebar? Paul knows of some research and will find it.
 - High performance polyethylene - deflection testing? Errata correction on Board agenda.
- B. Products and/or research**
None.

The meeting was adjourned at 12:31 pm.

Minutes were recorded by Beth Richards, SUDAS Program Coordinator.