

SUDAS District 6 Committee Meeting Minutes

April 24, 2019

The meeting was called to order at 10:03 am by Lee Tippe.

Present:

Ryan Foley, City of Coralville
John Bender, City of Hiawatha
Kent Ellis, Iowa DOT
Mike Kurek, HDR, Inc
Bob Tobin, Shoemaker & Haaland
Barrett Hubbard, Shive-Hattery Inc
Lee Tippe, City of Cedar Rapids
Greg Parker, Johnson County
DeWayne Heintz, L.L. Pelling Co.
John Link, Dave Schmitt Construction
Aaron Granquist, HR Green
Brent Morlok, City of Bettendorf
Brenna Fall, City of Cedar Rapids

Patrick Schwickerath, Snyder & Associates
Dave Panos, Shive-Hattery Inc
Garrett Reddish, Linn County
Clayton Carper, Foth
Bob Schiesl, City of Dubuque
Darin Andresen, City of Marion
Joe Welter, City of Iowa City
Greg Shuger, Stanley Consultants
Tim Cutsforth, HR Green
Ken DeKeyser, City of Cedar Rapids
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 Bob Schiesl. 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 REJECT the language was made by Aaron Granquist and seconded by John Bender. The motion carried. The group suggested looking at the language to say what is allowed in the clear zone (what's breakaway). *Note - already defined by FHWA.*

B. LED street lighting (Chapter 11)

Updated the chapter to reflect use of LED street lighting. Iowa DOT Local Systems is putting together a draft document about rural roadway lighting. The motion to approve was made by Ken DeKeyser and seconded by Bob Schiesl. The motion was approved. *Note - will follow up after the Iowa DOT's document is finished.*

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 Barrett Hubbard and seconded by Patrick Schwickerath. 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 Dave Panos and seconded by Brenna Fall. 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 DeWayne Heintz and seconded by Brent Morlok. 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. This committee questioned the thickness; what would the manufacturer recommend for a minimum thickness? Also compare the top T dimension. The motion to approve was made by Brenna Fall and seconded by Aaron Granquist. The motion was approved. *Note - revised accordingly.*

D. Pipe rehabilitation (Section 4050)

Revised the pipe rehabilitation section based on current practices/products. The motion to approve was made by Aaron Granquist and seconded by Patrick Schwickerath. 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 Clayton Carper and seconded by Barrett Hubbard. The motion was denied. The committee proceeded as follows:

- Approve 545 as presented. {Iowa City seeing many maintenance issues with these and no longer allowing to be used. Cities will have to determine use as appropriate}.
- 515 - add clarification regarding grate being bolted down. Clarification on how can be used in pavement. Small strip of pavement.
- 541 - minimum wall height above pipe connections; take into consideration the keyed wall joint. Also a table for maximum pipe sizes.

Motion made by Aaron Granquist and seconded by Mike Kurek. Motion carried. *Note - will be discussed again at October district meetings.*

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 committee had the following comments: clarify how it needs to be set initially to allow for movement later; i.e. middle of the adjustment range. Add to circle note #2. The motion to approve was made by DeWayne Heintz and seconded by Barrett Hubbard. The motion was approved. *Note - clarifications were made.*

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 Dave Panos and seconded by Darin Andresen. 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 Aaron Granquist and seconded by Greg Parker. 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 Granquist and seconded by Tim Cutsforth. 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 DeWayne Heintz and seconded by Barrett Hubbard. 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 Brent Morlok and seconded by DeWayne Heintz. 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 Patrick Schwickerath and seconded by Mike Kurek. 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 Greg Parker and seconded by DeWayne Heintz. The motion was approved. The committee had follow up suggestions: timing of setup (timing adjustment if specified); staging plan; and separate bid item for subsequent adjustments beyond additional setup and tear down. *Note - these items will be discussed at the October district meetings.*

IV. Other

A. Discussion Items

- *Provide additional guidance on construction staking when 3D design models are available? Committee to develop?* Follow whatever Iowa DOT does.
- *As their use increases, do 3D plans ever become the plans that govern?* No. (Other states have)
- *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?* No.
- **Other?**
 - Residential driveway spacings and widths - especially for condos - driveway spacing with 3 stall garages (Marion does 12' per garage stall).
 - Traffic control details - can they be shared with Iowa DOT?

B. Products and/or research

Tied articulated erosion mats - Flexomat and Armorflex

Fiber reinforcement?

The meeting was adjourned at 1:20 pm.

Minutes were recorded by Beth Richards, SUDAS Program Coordinator.