

SUDAS District 6 Committee Meeting Minutes

April 25, 2018

The meeting was called to order at 10:05 am by Bob Tobin.

Present:

Greg Shuger, Stanley Consultants
Tim Cutsforth, HR Green, Inc.
Aaron Granquist, HR Green, Inc.
Darin Andresen, City of Marion
Mike Barkalow, City of Marion
Barrett Hubbard, Shive-Hattery, Inc.
Rob Davis, City of Cedar Rapids
Mike Kurek, HDR, Inc.
John Bender, City of Hiawatha
Dave Panos, City of Iowa City

Ed Bartels, Johnson County
John Link, Dave Schmitt Construction Co., Inc.
Maryann Shinrock, City of Cedar Rapids
Brenna Fall, City of Cedar Rapids
Patrick Schwickerath, Snyder & Associates
Bob Tobin, Shoemaker & Haaland
DeWayne Heintz, L.L. Pelling Co.
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 Greg Shuger. The motion was approved. The committee concurred with the proposed meeting schedule.

B. Board of Directors meeting minutes

A summary of actions at the November 14, 2017 Board webinar was presented.

C. Expanded use of SUDAS

Discussion of using SUDAS Specifications for non-federal aid projects let by the Iowa DOT. Great option to have.

D. Use of mid-year update

Are the updates posted on our website after the May Board meeting and October ERL actually used? Agree that ERL should match the actual official annual edition of the Specifications and agree with our proposed schedule.

II. Design Manual Items

A. HMA binder grades (Design Section 5D-1; Spec Section 7021, 2.04)

Modified binder grades per new climate information. The motion to approve was made by Aaron Granquist and seconded by DeWayne Heintz. The motion was approved.

B. Pavement thickness design (Section 5F-1)

Updated and expanded truck mix tables; modified parameters to use AASHTO charts for seasonal variability, resilient modulus, and modulus of subgrade reaction; developed new thickness tables. Questioned if the use of geogrid affects the thickness of the pavement. The motion to approve was made by Ken DeKeyser and seconded by Aaron Granquist. The motion was approved. *Note - staff will explore the use of geogrid in the future.*

C. Cold-in-place recycling (Design Section 5J-2 and Spec Section 7090)

Developed new Design and Spec sections for cold-in-place recycling (CIR) projects. One committee member noted that the Iowa DOT is making some changes to the placement of the surface course and secondary compaction. The motion to approve was made by DeWayne Heintz and seconded by Aaron Granquist. The motion was approved. *Note - updated based on Iowa DOT changes.*

D. Full depth reclamation (Design Section 5J-3 and Spec Section 7091)

Developed new Design and Spec sections for full depth reclamation (FDR) projects. The motion to approve was made by DeWayne Heintz and seconded by Brenna Fall. The motion was approved.

E. General Permit No. 2 updates (Sections 7A-1 and 7B-1)

Updated the requirements to reflect changes in General Permit No. 2 regulations (effective March 1, 2018). One committee member questioned why we update Chapter 7 instead of just referencing the General Permit; or at least make a comment that Iowa DNR regulations rule/govern. The motion to approve was made by Patrick Schwickerath and seconded by Brenna Fall. The motion was approved (one nay). *Note - added new sentences to Section 7A-1, A to address this comment.*

F. Brick sidewalks and ADA compliance (Section 12A-2, E)

Enhanced design information on the use of bricks and pavers in pedestrian access routes. One committee member asked if the word “smoothness” could be added to this information. The motion to approve was made by Barrett Hubbard and seconded by Rob Davis. The motion was approved. *Note - done.*

III. Specifications Manual Items

A. Contract subletting requirement (Section 1080, 1.01, A)

Modified the limitation that the prime contractor had to be responsible for 50% of the contract. The motion to approve was made by Tim Cutsforth and seconded by Dave Panos. The motion was approved.

B. Water main tracer wire (Section 5010, 2.05, B)

Modified tracer wire requirements for trenchless installations. The motion to approve was made by Brenna Fall and seconded by Rob Davis. The motion was approved.

C. Brick sidewalk requirements (Section 7030, 1.08, F; 2.03-2.07; 3.06-3.07 and Figure 7030.203)

Deleted sand bedding and modify brick/paver requirements to meet ADA. If we’re recommending that designers not use bricks/pavers in sidewalks, do we call this something else? Weep hole language is not consistent with the specs and the figure. The motion to approve was made by Aaron Granquist and seconded by Rob Davis. The motion was approved. *Note - corrected weep hole language.*

D. Traffic signal pole foundations in rock (Figure 8010.102)

Added option for placement in rock. The motion to approve was made by Barrett Hubbard and seconded by Brenna Fall. The motion was approved.

E. Anchor plate (Section 9080, 2.05, A, 1 and Figures 9080.101 - 9080.103)

Corrected the dimensions of the anchor plate for safety rail to be consistent with what is actually used. The motion to approve was made by Brenna Fall and seconded by Ken DeKeyser. The motion was approved.

IV. Other

A. Discussion Items

- **Add all Iowa DOT intake standards to SUDAS?** One committee member said it would be nice to have them all in one place. If they are added, can we say they aren’t really recommended for urban use? SW-541 and 545 are used by people in this district. How often is the 550 intake used?
- **Revisit recommended lane widths and curb offsets in complete streets section to address traffic calming and walkability concepts, especially for already built-up areas (NACTO recommendations)?** IHRB project coming up for two-way left turn lane; talk about adding this to that project. Agree to wait for the research. Make sure any research includes fire code.
- **Modify default on steps in manholes?** One commented that they don’t want them; another commented that they aren’t supposed to have steps in theirs but if the manhole arrives with steps, they don’t take them out.
- **Consistency in use of rock subbase for cast-in-place manhole/intake construction?** Agree with making it consistent (adding rock subbase to cast-in-place structures). One committee member commented that they should have some amount of rock, at least a “leveling course.”
- **Railroad crossing bid items - lump sum or break into parts?** Agree with making it a separate bid item like Iowa DOT.
- **Add detail for internal manhole drop?** Re-liner bowls are pretty prominent. Would have to be specific on what type of pipe you can allow. The group says yes they see value in adding.
- **Add details for tying storm sewer pipe joints on steep installations (similar to Iowa DOT)?** If you need it, use Iowa DOT’s SRP. Should we reference this SRP where we specify that you have to tie the end sections?
- **Provide bid items for structural concrete and reinforcing steel for cast-in-place manholes and intakes?** Request was actually for non-standard bid items that use structural concrete and reinforcing steel.
- **Concrete compression test cylinders - 6”, 4”, or both?** Okay with allowing 4”.
- **Develop specifications for non-destructive measurements of PCC slab thickness?** Skeptical.

- *Iowa DOT changes to pavement smoothness Section 2317 to initiate IRI indexes?* Iowa DOT is asking for input on these revisions. Tough to use in urban areas with the changes in grade all of the obstacles you encounter.
- *PV-101 change* - FYI.

B. Products and/or research

- *Add Inserta Tee for sewer service connections?* Contractor uses pretty often.
- *EJ SELFLEVEL castings?* Okay with exploring.

The meeting was adjourned at 1:07 pm.

Minutes were recorded by Beth Richards, SUDAS Program Coordinator.