

SUDAS *Design Manual* Revisions  
2021 Edition



To: SUDAS Manual Holders

Subject: 2021 Revisions to the SUDAS *Design Manual*

The following is a summary of the major changes for the 2021 Edition of the SUDAS *Design Manual*.

- Completely revised Chapter 1 to update to current practices.
- Revised water main LUST interaction.
- Clarified fire hydrant clear space requirements.
- Added a minimum street width alternative and cul-de-sac radii for agencies who have a larger fire apparatus.
- Updated geometric design elements to reflect new lane width and capacity relationships. Added language to meet 2018 Fire Code.
- Addressed re-establishment of the pavement following cutting of core holes in pavements for utility locations.
- Established driveway width based on number of garage stalls and clarified joint driveway width.
- Various other revisions to generally update the manual.

Remember - the SUDAS program is now electronic and revision packets are no longer being printed and mailed to you. If you want to update your printed manual, the revision packet PDF can be found on our website. The current edition of the manual, with the latest revisions fully incorporated, can be found on our website as well.

If you have any questions, please contact me (515-294-7082 or [pwiegand@iastate.edu](mailto:pwiegand@iastate.edu)) or Beth Richards (515-294-2869 or [brich@iastate.edu](mailto:brich@iastate.edu)).

Sincerely,

Paul D. Wiegand, P.E.  
SUDAS Director