Meeting was called to order by Council member Scott Olson at 4:00 p.m.

Council Committee Members Present:  Scott Olson, Scott Overland and Tyler Olson
Council Committee Members Absent:  none

City Director Team:  Jen Winter, Public Works Director; Steve Hershner, Utilities Director; Sandra Fowler, Deputy City Manager; Emily Breen, Communications Coordinator

Presenters:  Nate Kampman, City Engineer; Justin Koller, Sewer Maintenance Manager

1. Approval of Minutes from October 15, 2019 meeting.
   ACTION:  All in favor.

2. Approval of 2020 meeting dates as follows:
   January 21; March 17; May 19; July 21; September 15; November 10.
   ACTION:  All in favor.

3. 2019 Construction Update – Nate Kampman
   The major projects completed in 2019 were presented. The E Avenue project finished on budget and one-week early, before schools were back in session. The 3rd Avenue project and Johnson Avenue project each have a few punch list items remaining.

   Committee questions/comments:
   Any comments from residents along 3rd Avenue? Mostly compliments.
   Lessons learned on what to do differently on large projects in the future? Each project is different, we always look at business impact and if closing the road is beneficial.

4. 2020 Look Ahead at Policies and Ordinances – Jen Winter, Public Works Director
   Public Works will be bringing forward to Council, a Right-of-Way Occupancy Ordinance currently being reviewed by Department managers. Proposal of private well ordinance to address increased rate in the installation of private potable wells being drilled within City limits where potable water source is available via City Water Distribution System. The scope of the well ordinance is primarily looking at residential private wells and wells being installed near contaminated sites that may put City infrastructure, stormwater and sanitary sewer at risk due disposal of contaminated water. Modifications to Stormwater Cost Share Program to adjust non-
residential match of installation of stormwater practices that go above and beyond design requirements. Sewer Utilities continues to review the Inflow & Infiltration Program. Stormwater Cost Share Program will be evaluated for break-even costs and average number of projects that can be completed with available funds. Also re-evaluate effectiveness of education component Equivalent Residential Units (ERU’s). Commercial/Industrial has metering for discharge; residential are charged flat rate. Geothermal will be reviewed also for ordinance.

Committee questions/comments:
Who currently approves private wells? Linn County Public Health (LCPH)
Is there ordinance that if city utility available they must connect? Not currently. Many other cities in Iowa currently have ordinance in place. Department of Natural Resource (DNR) provided list of current city ordinances. Both LCPH and DNR are supportive.
Need to make a case to public that there is a public impact from private wells.

5. 2020 Look Ahead-Policies and Ordinances – Steve Hershner, Utilities Director
Bruce Jacobs, Utilities Engineering Manager provided update on the following:
J Avenue Water Treatment Plant Phase 2 of 5 Process Improvements
The work includes improvements to Raw Water Metering Building and Raw Water Main Improvements, Train 3 Softener and Secondary Clarifier/Softener, Lime Feeding Equipment, Lime Solids Dewatering Centrifuges and Centrifuge Building, expansion of Carbon Dioxide Feed Equipment, electrical upgrades including a new Electrical MCC Building and replacement of electrical feed equipment in the existing Back Operations Building, and other related miscellaneous improvements. Project is currently expected to be substantially completed by June 2020 and completed by fall.

Well Field Modelling Effort with USGS
Aquifer model assembly was completed in late 2019. The model can be used as a planning tool, and will continue to be refined and enhanced for that purpose. Going forward, the model can be used to evaluate aquifer capacity under various climatological conditions, model operating with various well combinations to evaluate and recommend optimal well usage, examine possible locations for future wells, examine effects of changing incoming water quality, etc.

Water Pollution Control Facility Phase 1 Improvements – Solids Facilities
With the completion of the Nutrient Reduction and Solids Facility Plan Update this past summer, the Utilities Department is moving on to design development of Phase 1 of the recommended improvements. These include demolition of the existing low pressure oxidation system, installation of new anaerobic digesters and biogas cleaning pressurization systems to allow for reinjection into the nearby natural gas distribution system, and installation of side stream nitrogen removal systems. Staff expects to bring the engineering professional services agreement to Council for approval in February.

Corrosion Control Loop Study
Loop studies are conducted to verify appropriate corrosion control inhibitor chemical dosages and best practices. These studies require a fairly significant investment of time and analysis due to their long run times, typically 18-24 months, and require installation of piping samples collected from the distribution system. Multiple test loops will be set up at both water treatment plants.
While the City consistently monitors and has met all regulatory requirements regarding maintenance and operation of its corrosion control system, it has been over 20 years since Utilities completed its last loop study, so the Department felt it would be appropriate to conduct a new study to verify all our dosages and procedures.

Hershner reported on lead and copper rules to develop a new pool of sample locations. The Environmental Protection Agency (EPA) requires extensive mapping of known lead sewer lines, which typically in Cedar Rapids were installed lines prior to 1945. When water main replacement is done, we routinely replace lead service lines up to the stop box and encourage property owners to replace the private service portion.

Committee questions/comments:
   Will ordinance require property owner to replace? It will be federal policy, the Federal regulatory standards may be changing how this is approached.
   Is there a concern with lead in our system? Concern is for residential exposure.

6. Public Comments:
   None.

7. Next meeting March 17, 2020, 4:00 p.m.

Meeting adjourned at 4:45 p.m.

Respectfully submitted,

Kathy Holmes, AA III
Public Works Department