

BOARD OF WATERWORKS COMMISSIONERS - 4: 00 PM (Monday, November 19, 2018)Generated by Joe Trueblood on Tuesday, November 20, 2018

Members present:

Gerald Van De Kreeke, Ray Haen, Mark Smith

Staff/officials:

Superintendent Joe Trueblood

## 1. OPENING OF MEETING

1.1 Pledge of AllegianceAll present honored the flag.

1.2 Election of officersElection was held at the last meeting.

## 2. MINUTES

2.1 Approval of minutes from the October 18, 2018 meetingCommissioner Haen made a motion, seconded by Commissioner Smith, to approve the minutes.

Motion passed unanimously.

## 3. REPORTS

3.1 Financial reportsSuperintendent reviewed the reports for October.

Motion by Commissioner Van De Kreeke, seconded by Commissioner Haen, to accept the reports.

Motion passed unanimously.

3.2 Superintendent's report including operations and construction-maintenance Superintendent reviewed the operations and construction-maintenance work for October.

Water consumption dropped slightly compared to October of last year.

Numerous activities were completed in preparation for winter season.

Motion by Commissioner Van De Kreeke, seconded by Commissioner Smith, to accept the reports.

Motion passed unanimously.

#### 4. ITEMS PREVIOUSLY HELD OVER FOR DISCUSSION AND POSSIBLE ACTION

4.1 Lead water service replacement program Superintendent advised that he, Ms. Scheuren, and Ms. Gottsacker have completed a second draft of a lead service line draft ordinance.

This ordinance will provide for continuation of the Utility's lead service line replacement program following the elimination of WDNR grant monies for replacements.

Superintendent anticipates providing a draft for Board review in December.

The proposed ordinance would need review by the City Attorney prior to submission to Council.

WI PSC must also approve the ordinance.

The primary change, due to new state law, is that Utility revenues are now allowed to be spent on lead service line replacements.

In the absence of WDNR grant, Utilities would now be funding replacements more directly.

There was some discussion about the possibility of the municipality providing the necessary funding.

Overall, superintendent stated that the Utility needs to continue its program.

4.2 Intake feasibility project No update

4.3 South water tower project Superintendent stated the work on the water tower is on schedule for the tower to go into service in January.

The bowl should be completed during the week following Thanksgiving.

Interior coating and electrical must then take place prior to bringing the tower into service.

Superintendent provided recommendation letters from CB&I regarding the concrete strength testing results.

Although two out of three break sample average results fell below the specification of 4,500 psi, they did not fall more than 500 psi below the specification, nor did any individual break sample.

According to the American Concrete Institute testing protocols 318, in cases where test results are within 500 psi of the specification, then the design engineer must evaluate whether or not the results are suitable.

CBI stated that the design strength used was 4,000 psi and all test results exceeded that figure at the 28 day breaks.

CBI provided information on the chain of design engineer approvals involved in the foundation design.

In a letter dated October 19, 2018, Mr. Andrew K. Edenburn, P.E., concludes that the foundation design is structurally adequate with the in-place concrete.

Superintendent reminded the Board that initially the Utility had intended to break samples at 56 days to confirm that the concrete had gained additional strength after 28 days.

However, Terra-con, the subcontractor, inadvertently disposed of all remaining samples prior to 56 days, and additional testing was impossible.

Superintendent had asked AECOM to then evaluate whether any in-place testing procedures might give evidence that the concrete strength had, in fact, increased to 4,500 psi after 28 days.

AECOM was unable to identify any method that would give a conclusive result.

AECOM concluded that the contractor should provide a 5 -year extended warranty of a 5 year warranty bond in lieu of further testing or replacement of the concrete.

Superintendent stated that, in hindsight, the contractor should not have been allowed so much time to provide additional strength testing.

However, there is no way to return and redress the situation involving loss of the cylinders. Superintendent also discussed the matter with a contact at R.A.Smith, who was involved with concrete assessments on the Utility's Taylor Hill reservoir project.

This individual concurred that, under ACI 318, close test results fall back onto the design engineer for acceptance and did not have concerns after reviewing the specific break test results.

After discussion, Commissioner Van De Kreeke made a motion, seconded by Commissioner Haen, to pursue a 5 year warranty from CB&I.

Motion passed unanimously.

4.4 Clear well sluice gate and UV bypass projectNo update

4.5 Review purchase of  
2.17 acre parcel for future water reservoirSuperintendent advised that closing is anticipated on November 20, 2018.

4.6 Georgia Avenue pump station projectSuperintendent advised that work on the concrete pad and some interior preparation is underway.

However, there is a long lead time on the pump itself.

## 5. ITEMS FOR DISCUSSION AND POSSIBLE ACTION

### 5.1 PSC code changes

5.2 Review water treatment chemical bids for 2019 Superintendent reviewed the tabulation of 2019 water treatment chemical bids provided by Operations Supervisor Swearingen.

There was some discussion on the merits of using food-grade aluminum sulfate vs. iron-free grade aluminum sulfate.

The bids for food grade alum were \$288.00 per dry ton from ChemTrade, with two other bidders declining to bid.

The bids for iron-free alum were ChemTrade at \$268.00 per ton, US Alco at \$422.47 per dry ton, and Affinity Chemical at \$279.00 per dry ton.

The bids for fluoride were Hawkins at \$1,760.00 per dry ton, Solvay at \$2,220 per dry ton, Mosaic Global at \$2,495.65 per dry ton, and Brenntag Great Lakes at \$1,769.00 per dry ton.

The bids for sodium hypochlorite were Rowell at \$0.904 per gallon, Vertex at \$1.01 per gallon, and Hydrite at \$1.02 per gallon.

The bids for liquid phosphate were Hawkins at \$4.70 per gallon and Carus at \$5.63 per gallon.

Commissioner Haen made a motion, seconded by Commissioner Smith, to approve all low bids with food-grade alum rather than iron-free alum.

Motion passed unanimously.

5.3 Review proposal for large meter testing Superintendent reviewed a proposal for large meter testing at Badger meter of 23 (3 ") meters at a total cost of \$3,795.00, 7 (4 ") meters at a total cost of \$1,155.00, and 7 (6 ") meters at a total cost of \$1,645.00 for a grand total of \$6,595.00.

Commissioner Van De Kreeke made a motion, seconded by Commissioner Smith, to accept the proposal.

Motion passed unanimously.

5.4 Review proposed water-service highlights of intergovernmental cooperative agreement with Village of Kohler Superintendent advised the Board of ongoing discussions among the City, Village of Kohler, and Aurora regarding issues involved in the proposed hospital site in the Village of Kohler.

One option for the provision of water to the site is via a 12 " water main owned and operated by the Sheboygan Water Utility in Union Avenue.

Under this option, the Village would be granted a new wholesale water

connection in order to tie into the Utility's water main.

Service would then be provided as under the existing wholesale water agreement.

Connection charges would be paid to the Utility, which would then disburse the amount due to Sheboygan County, which originally paid a majority of the cost to install the water main several years ago.

Superintendent advised that the site is not networked with water supply as at the existing Memorial hospital location, and this information has been passed on to Aurora.

The Commissioners reviewed a proposed site plan.

As under local ordinance, the Common Council would have to approve water service to a location not within the City of Sheboygan.

5.5 Review proposal for replacement of dump truck Superintendent reviewed information provided by Lead Distribution Tech Boenisch regarding the purchase of a tri-axle dump truck to replace an existing 2005 tandem axle dump truck.

The larger dump truck would allow an additional 5 cubic yards of material, which would reduce trips when moving aggregate.

Three vendors provided proposals, including a Freightliner 114 SD at a total cost of \$111,726.00 including a \$30,000 trade-in value;

an International HV 613 at a total cost of \$127,240 including a \$22,000 trade-in value;

and a Mack granite 64 BR at a total cost of \$128,445 including a \$20,000 trade-in.

All units included a steel dump body from Casper's.

Commissioner Smith made a motion, seconded by Commissioner Van De Kreeke, to approve the proposal from Truck Country for the Freightliner truck at \$111,726.00.

Motion carried unanimously.

5.6 Review proposal for break room counters and cabinetry Superintendent

reviewed plans to remodel spaces within the admin office, including restoring the original break room that had been subdivided.

The plan includes replacement of old, cheap cabinetry.

Superintendent reviewed plans for a new kitchenette, and staff had sought cabinetry and countertop proposals from JP Tile Works

and Gerhards.

JP had a proposal of \$4,832.00 including Aspect cabinetry and formica countertops and all installation.

Gerhard had a proposal of \$7,030.46 including Kemper Echo cabinetry and laminate countertops with installation by Trademark builders.

Commissioner Haen made a motion, seconded by Commissioner Smith, to accept the proposal from JP Tile Works.

Motion carried unanimously.

5.7 Review proposal for ongoing cross connection control services by Hydro-Corp Superintendent reviewed that either the Utility or municipality is required to provide cross connection inspections under state statutes.

The Utility has been providing residential inspections with staff, but has been hiring Hydro-Corp to conduct the more extensive and specialized commercial and industrial inspections.

Hydro-corp performs all work involved with

meeting state compliance requirements.

In 2017 and 2018, the cost per inspection averaged out at \$108.47.

Hydro-Corp provided a renewal, two-year contract at an average cost of \$112.82 per inspection, or a 4 % increase.

Commissioner Van De Kreeke made a motion, seconded by Commissioner Smith, to accept

Hydro-corp's renewal contract

for services in 2019 and 2020 at a total cost of \$110,112.00.

Motion carried unanimously.

5.8 approve vouchers

Commissioner Van De Kreeke made a motion, seconded by Commissioner Smith, that gross payroll for October of \$156,229.86 and general vouchers of \$781,063.78 be allowed and accepted.

Motion passed unanimously.

6. PERSONNEL

6.1 Update on positions Superintendent advised that Mr. Glody Onya will be starting as the new civil engineer technician on December 3.

Mr. Onya recently completed an associate's degree in civil engineering technology from Northeast Technical College.

Recruitment is still underway for a water distribution supervisor.

6.2 Review changes to Utility standby policy Superintendent reviewed proposed changes to the Utility distribution standby policy intended to clarify affected positions and coverage.

Minimum call-out time was increased from one hour to two hours.

Operations staff was excluded from distribution standby due to coverage of operations-related after-hours issues.

Leads and supervisory staff and others would also receive comp or personal leave time in the same manner as other staff members.

The Commissioners reviewed the written policy.

Commissioner Van De Kreeke made a motion, seconded by Commissioner Haen, to approve the changes.

Motion carried unanimously.

7. NEXT MEETING

7.1 Next meeting will take place on December 17, 2018 at 4: 00 pm.

8. ADJOURN

8.1 Motion to Adjourn Commissioner Smith made a motion to adjourn at 5: 33 pm, with a second by Commissioner Van De Kreeke.

Motion carried unanimously.