

BOARD OF WATERWORKS COMMISSIONERS - 4: 00 PM - (Tuesday, January 7, 2020)Generated by Joe Trueblood on Wednesday, January 8, 2020

Members present:

Gerald Van De Kreeke, Mark Smith, Tom HoweStaff/officials:

Superintendent Joe Trueblood, Operations Supervisor Bill SwearingenVisitors:

Mr. Amrou Atassi, by telephone, at 4: 30 pm

1. OPENING OF MEETING

1.1 Pledge of AllegianceAll present honored the flag.

2. MINUTES

2.1 Approval of minutes from the November 18, 2019 meetingCommissioner Smith made a motion, seconded by Commissioner Howe, to approve the minutes of the November 18, 2019 meeting.

Motion passed unanimously.

3. REPORTS

3.1 Financial reportsSuperintendent reviewed the monthly financial reports, noting a large invoice for painting of the EE tower had not yet been paid.

The Commissioners accepted the report as presented.

3.2 Superintendent's report including operations, construction-maintenance, and customer relations/fiscalSuperintendent reviewed the monthly reports.

The Commissioners accepted the reports as presented.

4. ITEMS PREVIOUSLY HELD OVER FOR DISCUSSION AND POSSIBLE ACTION

4.1 Lead service line replacement programSuperintendent updated the Board members that the lead service line replacement program remains under review at WI PSC.

4.2 Raw water improvements/intake project To be addressed later in the meeting

4.3 Water demand study Superintendent advised that AECOM and CDM Smith had reviewed the final draft of the report and reached concurrence.

The Utility anticipates a meeting with WI PSC early in 2020.

4.4 Clear well sluice gate and UV bypass project Advertisements for bidding on this project will be out soon.

5. ITEMS FOR DISCUSSION AND POSSIBLE ACTION

5.1 Review raw water project engineering proposal Mr. Amrou Atassi joined the meeting by telephone and presented a PowerPoint summary of an engineering proposal for the Raw Water Improvements project.

CDM Smith had teamed with Donohue & Associates to provide the Utility with intake expertise and local engineering services.

This approach was also used on the UV Disinfection project.

Atassi reviewed a statement of qualifications showing the breakdown of work between the

two engineering firms.

CDM would have a lead role in intake pipeline, suction well, pump design, bidding, contract administration, and permitting;

Donohue would have a significant role in civil site work, construction inspection, electrical design.

Mr. Atassi reviewed details of preliminary engineering work including a

cost proposal of \$699,728.00, which includes \$73,986.00 for field investigations including lake bottom geotechnical studies, but does not include additional bathymetric survey work.

Preliminary design would be completed

by August 2020.

One key aspect involves determination of whether one or two intake pipelines will be constructed.

Although the new intake pipeline could be backed up by the existing two intake pipelines, one of these dates to 1909, and the other to 1959 ;

so it might be more

reasonable to construct a new primary intake pipeline and a new backup intake pipeline, and then abandon

one or both of the others.

Mr. Atassi reviewed the large numbers of agencies involved in the process of installing a pipeline in Lake Michigan, including WI DNR, WI PSC, Corps of Army

Engineers, and others.

The permitting process is anticipated to require 9 months following initial contacts.

Mr. Atassi reviewed CDM Smith's expertise in working on Lake Michigan projects including sites in Wisconsin (Green Bay, Manitowoc,

Milwaukee, Racine, Oak Creek)

and numerous utilities in

the Chicago area.

He also reviewed both CDM Smith's and Donohue's experience and knowledge with the Sheboygan Water Treatment Plant.

Due to uncertainties remaining about the single or dual pipeline, CDM Smith estimated ongoing engineering service costs to be \$1,670,000, but the figure can only be determined following preliminary engineering

work.

Construction engineering services are estimated at \$2,350,000, again subject

to the final scope of the project.

A current construction estimate is \$26,100,000 in 2023, assuming a single intake pipeline.

After presenting the slides and responding to questions, Mr. Atassi left the meeting via telephone.

There was

further discussion about the size

and need for the project.

The Utility's current intake pipelines

are old:

30 " intake from 1909 has exceeded the normal working lifetime of 100 years.

It is also undersized and can no longer meet typical summertime water loads on its own.

The 36 " intake from 1959 can barely meet summertime loads on its own, but is only in 20 - 25 ' of water.

Both intakes are subject to wintertime icing.

In addition, the intake pipelines terminate in a shorewell constructed in 1887.

The shorewell is undersized and has exceeded its working lifetime, though it remains

serviceable.

The Commissioners asked for clarification about the financing plans recently presented by Ms. Carol Wirth.

Superintendent advised that he would like to invite Ms. Wirth to the next Board meeting for an update, including options for the dual intake pipeline scenario.

The Commissioners asked about the risk in approving the preliminary engineering proposal ahead of

determining

the overall financing plan.

Superintendent advised that the Utility had included \$500,000 in its 2020 budget for the preliminary engineering work.

Also, it appears that a large water main project on Georgia Avenue will be delayed until 2021, freeing up additional cash.

Superintendent advised that, with those two factors taken into consideration, there should not be significant risk in accepting the preliminary engineering proposal ahead of the financing plan.

Those cash expenditures would

be reimbursable under the plan.

President Van De Kreeke

stated that the Utility has been steadily pursuing this project for many years and it is time to move forward.

Commissioner Smith made a motion, seconded by Commissioner Howe, to accept the proposal from CMD Smith and Donohue & Associates for preliminary engineering services on the Raw Water

Improvements project at a

cost of \$699,728.00.

Motion carried unanimously.

5.2 Request approval for east basin structural analysis Superintendent advised that Operations Supervisor Swearingen had noted cracking and damage on the east basin walls following this summer's cleaning operation.

After consultation, the Utility contacted R.A. Smith to review the situation and offer some guidance on analysis and repair work.

The east basin remains an important element in the treatment process.

R.A. Smith visited the site, collected data, and provided a proposal to conduct extensive inspection and evaluation in Phase 1 and then provide Construction Documents, Bidding, and Construction inspection in phase 2.

Phase 1 services are estimated at \$55,700 including \$13,700 for testing of ten cores and radar imaging.

Phase 2 work is estimated at \$33,000 - \$38,000.

Superintendent advised that R.A. Smith had provided good service to the Utility on the Taylor Hill renovation project in the recent past.

Commissioner Van De Kreeke made a motion, seconded by Commissioner Smith, to accept the proposal for Phase 1 services at a cost of \$55,700.

Motion carried unanimously.

5.3 Request approval for solids management proposal for basin cleaning Superintendent reviewed a renewal proposal from Full-Service Organics Management for dewatering/cleaning operations, transportation and disposal, and mob/demob for the years 2020 - 2022 at a cost of \$0.0435 /gal, \$112.50 /ton, and \$8,000 /event respectively.

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

Motion carried unanimously.

5.4 Request approval to purchase new Kohler wholesale water meter Superintendent reviewed a proposal from Badger Meter Inc for a fire series 8 " water meter for the new hospital site, at a cost of \$14,161.95, along with (2) Orion ME 2 units, registration for a 2 " meter, registration for an 8 " meter, at a total cost of \$14,833.33. Commissioner Van De Kreeke made a motion, seconded by Commissioner Smith, approving the purchase.

Motion carried unanimously.

5.5 Review final pay ap on Broadway Ave water main project Superintendent reviewed a summary document provided by Distribution Supervisor McMillan concerning the final pay ap on the S. 13 th Street water main project with Buteyn-Peterson.

In September 2019, a customer experienced a failed sanitary sewer lateral in the vicinity of water main work done by Buteyn Peterson.

Repairs were made by Kimme Plumbing and others.

Part of these repair costs were charged to Buteyn Peterson in the final pay ap.

Superintendent noted that staff will be meeting soon with Buteyn-Peterson in hopes of resolving the issue.

5.6 Request approval to purchase water meters for replacements Superintendent reviewed a submittal for purchase of 120 M 25 plastic disc meters, along with O-rings and additional Orion equipment, at a total cost of \$7,471.91.

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

Motion carried unanimously.

5.7 Request approval for Arch Electric solar PV proposal Superintendent reviewed a Solar PV proposal from Arch Electric for completion of an interconnection agreement, structural building review, and provision of bid specifications, at a cost of \$4,550.

Commissioner Van De Kreeke made a motion, seconded by Commissioner Howe, to approve the proposal.

Commissioner Smith abstained from comment and voting on the matter.

Motion passed unanimously.

5.8 Request approval to purchase truck # 8 replacement Superintendent reviewed proposals for a 2020 Ford F- 350 super cab truck to replace an existing 2005 Chevrolet C 1500.

Final costs came in as follows:

Kennedy Ford at \$31,860.50 ;

Ewald Automotive at \$30,686.50 ;

and Dick Brantmeier at \$35,252.02.

Burkart Ford of Plymouth and Von Schledorn of Random Lake did not provide quotes.

Commissioner Van De Kreeke made a motion, seconded by Commissioner Smith, to accept the proposal from Kennedy Ford at \$31,860.50.

Motion carried unanimously.

5.9 PSC code changes None

5.10 Approve vouchers Commissioner Van De Kreeke made a motion, seconded by Commissioner Smith, that gross payroll for November of \$236,725.92 and general vouchers of \$137,856.91 be allowed and accepted.

Motion carried unanimously.

6. PERSONNEL

6.1 Discuss incentive for completing job-related four year degree Commissioner Van De Kreeke made a motion, seconded by Commissioner Smith, approving a 3 % wage increase for a staff member who recently completed a four-year degree directly related to additional work duties at the Utility.

Motion carried unanimously.

6.2 Review merit increase process The Commissioners reviewed the 2019 merit increases for Utility employees.

7. NEXT MEETING

7.1 Next meeting will take place on Monday, January 20, 2020 at 4: 00 pm.

8. ADJOURN

8.1 Motion to Adjourn Commissioner Smith made a motion, seconded by Commissioner Howe, to adjour at 5: 40 pm.

Motion carried unanimously.