

CITY OF WEST CHICAGO

WHERE HISTORY & PROGRESS MEET

Approved with changes 5/5/2016

MINUTES

INFRASTRUCTURE COMMITTEE

April 7, 2016 7:00 P.M.

1. **Call to Order, Roll Call, and Establishment of a Quorum.** Chairman Beifuss called the meeting to order at 7:00 P.M. Roll call found Aldermen James Beifuss, Sandra Dimas, Al Hallett, and John Smith present. Aldermen Mark Edwalds and Noreen Ligino-Kubiski were absent.

Staff present included Director of Public Works Robert Flatter and Public Works Executive Secretary Michelle Baldino.

2. **Approval of Minutes**

A. **Infrastructure Committee Minutes of March 3, 2016.** Alderman Smith made a motion, seconded by Alderman Dimas to approve the Meeting Minutes of March 3, 2016. Voting Yea: Aldermen Smith, Dimas, Beifuss, and Hallett. Voting Nay: 0.

3. **Public Participation / Presentations.** None.

4. **Items for Consent.** Chairman Beifuss read the items for consent and requested discussion on Consent Items C and E. Alderman Dimas made a motion, seconded by Alderman Smith to approve:

A. **Ordinance No. 16-O-0017 – Authorizing the Disposal of Surplus Equipment, Stock Inventory, and/or Personal Property Owned by the City of West Chicago; and,**

B. **Resolution No. 16-R-0018 – Contract Award – 2016 Contractual Street Striping Program; and,**

D. **Resolution No. 16-R-0020 – Contract Award – Clark Dietz, Inc., for Professional Engineering Construction Oversight Services for the Disk Filter Equipment Replacement Project at the City's Regional Wastewater Treatment Plant.**

Voting Yea: Aldermen Dimas, Smith, Beifuss, and Hallett. Voting Nay: 0.

5. **Items for Discussion.** Items for discussion also include Consent Items 4.C. and 4.E.

4.C. Resolution No. 16-R-0019 – Contract Award – JJ Henderson & Sons for Construction Services Related to the Disk Filter Replacement Project at the City’s Regional Wastewater Treatment Plant

Mr. Flatter explained that the last cleaning or treatment process at the City’s Wastewater Treatment Plant (WWTP) is the tertiary treatment process where the waste stream is filtered through sand filters to remove inorganic compounds, fine particles and substances, such as nitrogen and phosphorus, before being chlorinated and discharged into the West Branch of the DuPage River. The existing ten sand filters were originally constructed in 1986, have been rehabbed in-house a couple of times, and have exceeded their useful life. Current technology is to use woven membrane rotating disk filters and, with assistance from Clark Dietz, Inc. (CDI), staff has designed and bid for the replacement of the ten existing sand filters with 4 Kurger/Hydrotech discfilter units. All existing sand filters will be removed, including their steel troughs, and the new discfilter units will be installed in their own steel containments. CDI’s estimate of construction cost was \$3,140,000. JJ Henderson & Sons of Gurnee, Illinois submitted the lowest responsible bid at \$2,134,000.00, which includes an additive alternative bid of \$20,000.00 for surface prep and coating/painting of the interior walls, ceiling and floor of the filter building. Alderman Hallett asked about maintenance and replacement of the disk filters. Mr. Flatter explained that the filters have a twenty year design life and there should not be any significant maintenance costs for at least ten years. Each discfilter unit has 24 filter discs per unit and each filter disc has individual wedge pieces that can be removed for maintenance and replacement as necessary. Alderman Beifuss asked about the bid received from Manusos General Contracting, Inc. which was identified as having a \$641,450.00 math error. Mr. Flatter explained that Manusos’ base bid amount was \$2,467,971.00 as written and shown on the bid form; however, Manusos’ bid tab sheet failed to include unit pricing for Bid Item #2 “Selective Demolition” and Bid Item #9 “Coatings, Except Floor Coatings”. Therefore, Manusos’ calculated base bid amount per the unit prices provided was \$1,826,521.00. Staff agrees with CDI that because Manusos left several line items without prices, they are not a responsive bidder. JJ Henderson & Sons, Inc. submitted the lowest responsible bid. Mr. Flatter also indicated that the 4 discfilter units will occupy half the space of the ten existing sand filters, leaving room for future expansion if necessary.

Alderman Beifuss made a motion to approve, seconded by Alderman Smith. Voting Yea: Aldermen Beifuss, Smith, Dimas, and Hallett. Voting Nay: 0.

4.E. Resolution No. 16-R-0021 – Contract Award – Morrison Construction Company for Construction Services Related to the Digester Gas Pipe Replacement Project at the City’s Regional Wastewater Treatment Plant

~~At~~ Alderman Beifuss² requested *an overview*. Mr. Flatter provided a project overview similar to that as outlined in the agenda packet write up. Alderman Beifuss then asked if the Wastewater Treatment Plant (WWTP) uses the methane gas (byproduct of the anaerobic digestion process) for any operations. Mr. Flatter responded that in 1986 when the WWTP was expanded, a sphere was also constructed for biogas storage. However, the majority of the existing equipment at the WWTP does not have the capability of using methane gas, so the gas is disposed of by combustion in a

waste gas burner. Alderman Beifuss asked if the treatment process uses much power and if there would be a savings if the methane gas were used. Mr. Flatter explained that as new equipment is designed and installed at the WWTP, its ability to utilize the methane gas is considered; for example, the new boilers installed in 2008 have the ability to run off of natural gas or methane gas. Mr. Flatter explained that the large air blowers that supply air to the aeration tanks use the most power and when it becomes time to replace them, energy efficient blowers with the ability to run off of methane gas will be considered. Most of the treatment process relies on gravity to move the waste through the treatment process, with the exception of the new belt filter presses.

Alderman Smith made a motion to approve, seconded by Alderman Hallett. Voting Yea: Aldermen Smith, Hallett, Beifuss, and Dimas. Voting Nay: 0.

6. Unfinished Business. None.

7. New Business. None.

8. Reports from Staff. None.

9. Adjournment. At 7:24 P.M., Alderman Dimas made a motion to adjourn, seconded by Alderman Hallett. Motion was unanimously approved by voice vote.

Respectfully submitted,

Robert E. Flatter, P.E.
Director of Public Works