

PUBLIC WORKS COMMITTEE MEETING
THURSDAY, JANUARY 28, 2021 – 3:30 P.M.
REMOTE ACCESS MEETING
MINUTES

ROLL CALL/CALL TO ORDER

Chairman Raymond Buschmann called the virtual meeting to order at 3:30 P.M. Aldermen Ted Notz and Jim Preschlack were present.

Chairman Buschmann stated that in accordance with state statute, he made the determination that it was not practical or prudent to schedule an in-person Public Works Committee meeting because of the COVID-19 pandemic, and therefore the meeting was being held remotely.

Staff virtually attending the meeting included Michael Thomas, Director of Public Works; Dan Martin, Superintendent of Public Works; Bob Ells, Superintendent of Engineering; Brian Joyce, Supervisor of Engineering and Jim Lockefer, Management Analyst.

ACTION ITEMS

I. APPROVAL OF THE NOVEMBER 30, 2020 PUBLIC WORKS COMMITTEE MEETING MINUTES

Alderman Preschlack moved to approve the November 30, 2020 Public Works Committee meeting minutes. Alderman Notz seconded the motion, which carried unanimously.

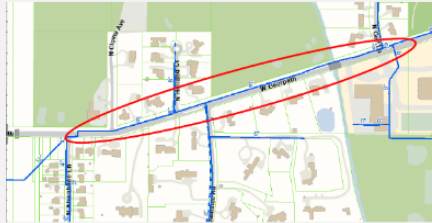
II. REVIEW AND RECOMMEND APPROVAL TO CITY COUNCIL A DESIGN PROPOSAL FOR REPLACEMENT OF THE WATER MAIN ON DEERPATH FROM AHWAHNEE LANE TO GOLF LANE – MICHAEL THOMAS & BOB ELLS

Director Thomas reviewed the below summary presentation slide on the topic.

**DEERPATH WATER MAIN REPLACEMENT DESIGN
FROM AHWAHNEE LANE TO GOLF LANE**

- FY22 Project Budget (design only) - \$50,000
- Identified as a priority replacement via the 2020 Water Main Replacement Prioritization Plan
 - Plan prioritized water main replacements based on water main break data, size, age, and material
- Construction to occur summer of 2022, in conjunction with State's Pump Station Project
- Received 8 design proposals through public RFP process

Firm	Proposal \$
Baxter & Woodman	\$39,000
IMEG	\$39,260
ERA	\$49,800
Knight Engineering	\$55,624
GSG Consultants	\$91,245
V3	\$121,880
James Anderson	DQ - Did not submit total \$
Thomas Engineering	DQ - Did not submit total \$



- Staff recommends PW Committee approval, recommending City Council approve an agreement with Baxter & Woodman for the Deerpath Water Main Replacement Design in the amount of \$39,000

The Committee and City staff discussed the range of cost associated with each proposal and the impacts of the eventual project construction to traffic on Deerpath.

Alderman Notz moved to recommend approval to City Council the design proposal for replacement of the water main on Deerpath from Ahwahnee Lane to Golf Lane. Alderman Preschlack seconded the motion, which carried unanimously.

III. REVIEW AND RECOMMEND APPROVAL TO CITY COUNCIL A DESIGN PROPOSAL FOR BOTH THE ILLINOIS AND WOODLAND PEDESTRIAN BRIDGES – MICHAEL THOMAS & BOB ELLS

Director Thomas reviewed the below summary presentation slides on the topic.

ILLINOIS AND WOODLAND PEDESTRIAN BRIDGE DESIGNS

Pedestrian Bridge Replacement – Illinois

"Poor" condition / extensive structure corrosion

2020 Comprehensive Bridge Analysis recommended replacement



Pedestrian Bridge Replacement – Woodland

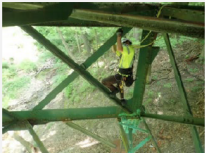
"Poor" condition / extensive structure corrosion

2020 Comprehensive Bridge Analysis recommended replacement



ILLINOIS AND WOODLAND PEDESTRIAN BRIDGE DESIGNS

- FY21 Illinois Bridge Project Budget (design only) - \$25,000
- FY22 Woodland Bridge Project Budget (design only) - \$50,000
- Identified as high priority improvement designs via the 2020 Bridge Analysis Study
- Staff has applied both bridges for construction ITEP grant funding (spring 2021 notification); if no grant award is obtained City will still proceed with improvements
- Received 4 design proposals through public RFP process



Firm	Illinois Design Proposal \$	Woodland Design Proposal \$	Total Proposal \$
WJE	\$23,965	\$22,605	\$46,570
V3	\$38,585	\$26,665	\$65,250
ERA	Not Identified	Not Identified	\$88,687
GSG Consultants	Not Identified	Not Identified	\$141,460

- Firms also submitted proposals for Phase III construction services; staff will request approval of these services at the time construction bid is awarded
- Staff recommends PW Committee approval, recommending City Council approve an agreement with Wiss, Janney, Elstner Associates, Inc. for the Illinois and Woodland Pedestrian Bridges Improvement Designs in the total amount of \$46,570

The Committee and City staff discussed the difference in the budgeted amounts for the bridge designs, the ITEP grant funding opportunity, the estimated useful life of the bridges, practices to extend the estimated useful life of the bridges, and the estimated construction cost of the bridges.

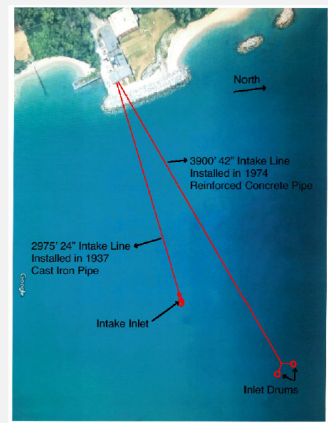
Alderman Preschlack moved to recommend approval to City Council a design proposal for both the Illinois and Woodland pedestrian bridges. Alderman Notz seconded the motion, which carried unanimously.

IV. **REVIEW AND RECOMMEND APPROVAL TO CITY COUNCIL THE PROPOSAL FOR THE WATER PLANT INTAKE CLEANING – DAN MARTIN**

Superintendent Martin reviewed the below summary presentation slides on the topic. He explained that a copy of the drafted City Council write-up was included in the Committee's meeting packet. The Committee also reviewed a video of the 2014 cleaning process.




WATER PLANT INTAKE CLEANING

- FY22 Budget - \$185,000
- Process of removing the settled sand and debris from inside the intake pipelines that extend several thousand feet in Lake Michigan
- Cleaning improves plant operations, increases capacity, and saves operating costs by reducing backwash cycles
- In 2014 and 2018 the City has utilized the sole source services of Northern Divers and their patented cleaning technology
 - Allows the WTP to stay in operation with minimal shut down times, can be done without removing the chemical feed system, and no permit is required from the IDNR
 - Prior to 2014, the cleaning process was far more labor intensive; required the plant to be shutdown, pulling all of the debris into the plant's intake well, and the zebra mussel treatment lines to be removed and replaced



WATER PLANT INTAKE CLEANING

- Northern Divers has agreed to hold the same 2018 cost of \$185,000
- Staff recommends PW Committee approval to the City Council waive of the bid process and award of proposal to Northern Divers in the amount of \$185,000

The Committee and City staff discussed the frequency of intake cleaning, the City's Purchasing Policy and sole source purchasing, the location and depth of the intake pipes, and how the intake pipes enter into the Water Plant.

Alderman Preschlack moved to recommend approval to City Council waiver of the bid process and award of proposal for the Water Plant Intake Cleaning Project. Alderman Notz seconded the motion, which carried unanimously.

V. REVIEW AND APPROVAL OF THE 2021 PUBLIC WORKS COMMITTEE MEETING SCHEDULE – MICHAEL THOMAS

Director Thomas reviewed the below summary presentation slide on the topic.

2021 PUBLIC WORKS COMMITTEE MEETING SCHEDULE	
Proposed Meeting Dates / Tentative Time – 3:30PM	
Thursday, February 11	
Thursday, February 25	
Monday, March 22	
Thursday, April 1	
Thursday, May 6	
Thursday, June 3	
Thursday, July 1	
Thursday, September 16	
Tuesday, October 5	
Thursday, December 9	

The Committee and City staff discussed meeting when necessary. If there is no need to meet based on the agenda items, a meeting will be canceled.

PUBLIC COMMENT

There was no public comment.

NEXT MEETING – FEBRUARY 11, 2021

The Committee and City staff briefly discussed the current status of the IDOT Pump Station Project.

ADJOURNMENT

Alderman Notz moved to adjourn the meeting of the Public Works Committee at 4:26 P.M. Alderman Preschlack seconded the motion, which carried unanimously.

Respectfully submitted,

Jim Lockfeer Jr.
Management Analyst