

**PUBLIC WORKS COMMITTEE MEETING
MONDAY, AUGUST 22 – 4:00 P.M.
FOREST PARK – UPPER SOUTH PARKING LOT
MINUTES**

I. ROLL CALL/CALL TO ORDER

Chairman Preschlack called the meeting to order at 4:02 P.M. Aldermen Ted Notz and Nancy Novit were in attendance.

Staff attending the meeting included Michael Thomas, Director of Public Works; Dan Martin, Superintendent of Public Works; Byron Kutz, Superintendent of Engineering; Chuck Myers, Superintendent of Parks and Forestry and Jim Lockefer, Assistant to the Director of Public Works.

Also in attendance was Dave Kraft, Principal Civil Engineer, of Hey and Associates, Inc.

II. ASSET, INFRASTRUCTURE, & SERVICE HIGHLIGHTS – FOREST PARK BLUFF STABILIZATION PROJECT UPDATE

Director Thomas and Hey and Associates, Inc. Principal Engineer, Dave Kraft reviewed the below summary presentation slides on the topic.

FOREST PARK BLUFF STABILIZATION PROJECT UPDATE

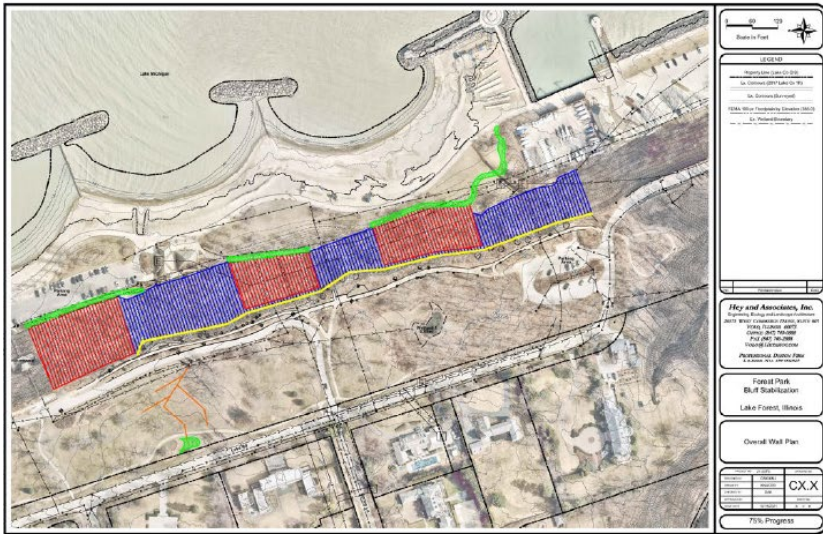
- Project Budget: \$3,500,000
- Soldier pile wall installations along the top center area of the bluff for stabilization
- Originally bid opening July 19 (rejected to due incomplete bids); re-bid opening August 16

Firm	7/19/22 Bid \$	8/16/22 Bid \$
John Keno and Company	\$3,443,008	\$3,869,106
V3 Construction Group	\$4,007,583	\$4,449,192

- Work was originally to be completed October 2022 – May 2023
- Due to budget overage, staff recommending that the project be delayed to FY24
- Following discussions with project engineer, staff is comfortable with low risk associated with bluff movements over the course of this next year
- Next steps: Staff to re-evaluate project budget during upcoming Capital Improvement Program entry (mid-October) utilizing costs from the bid openings; staff to recommend updated budget for FY24 at November CIP budget meeting



FOREST PARK BLUFF STABILIZATION PROJECT



Project Components

- Bluff Soldier Pile Wall
- Internal Slope Wick-drains
- Tableland Drainage Improvements
- Native Stormwater Best Management Practices
- Native Bluff Restoration

Hey and Associates, Inc.

Following the review of these slides, the Committee and City staff toured the entire bluff project area. Dave Kraft provided a detailed overview of the project design, anticipated construction schedule, and construction logistics. The Committee and City staff discussed to-date project coordination with the Forest Park Preservation Board and the project bid process.

III. NEW BUSINESS / ACTION ITEMS

1. APPROVAL OF THE JULY 21, 2022 PUBLIC WORKS COMMITTEE MEETING MINUTES

Alderman Novit moved to approve the July 21, 2022 Public Works Committee meeting minutes. Alderman Notz seconded the motion, which carried unanimously.

2. REVIEW AND RECOMMEND APPROVAL TO CITY COUNCIL AWARD OF THE SAND NOURISHMENT PROJECT BID

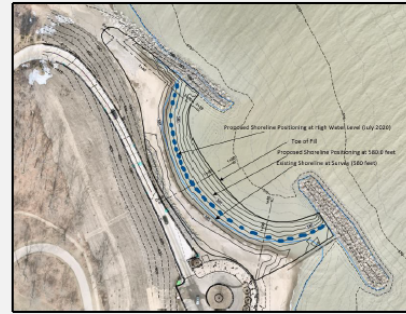
Superintendent Myers reviewed the below summary presentation slide on the topic.

BEACH RESTORATION PROJECT

- FY23 Budget: Capital Fund \$325,000 (Design & Construction)
- 2021 Beach Profile Study identified long-term monitoring & maintenance needs to ensure continued protection of this highly valued asset
- Sand has migrated from the Cell 1 beach area, leaving the area sand-deficient and at risk of increased shoreline erosion
- Project includes:
 - Placement of 4850 cubic yards of sand in Cell #1
 - Sand is composed of 52% Torpedo Sand and 48% Bird's-Eye Sand
 - Approximately 240 truckloads will be delivered to beach
 - Permitting is underway with ACOE and IDNR
- Received two proposals for construction services:

Firm	Proposal \$
John Keno & Co, Inc.	\$258,363
Misfits Construction	\$277,300

- Staff recommends awarding a contract to John Keno & Co as the low bidder, and their extensive knowledge and experience with beach grading
- Action requested: PW Committee recommends City Council approve the Beach Cell #1 sand restoration project to John Keno & Co, in the amount of \$258,363 plus 4% contingency in the amount of \$10,000, for a total of \$268,363.**



The Committee and City staff discussed and reviewed sand samples, the project permitting process, project construction schedule, construction traffic impacts, and the project's contingency request.

Alderman Novit moved to recommend approval to City Council approve the Beach Cell #1 Sand Restoration Project to John Keno & Co, in the amount of \$258,363 plus 4% contingency in the amount of \$10,000, for a total of \$268,363. Alderman Notz seconded the motion, which carried unanimously.

3. REVIEW AND RECOMMEND APPROVAL TO CITY COUNCIL AWARD OF THE ELAWA AND CITY HALL TUCK POINTING PROJECT BID

Assistant to the Director Lockfeer reviewed the below summary presentation slides on the topic.

ELAWA & CITY HALL TUCK POINTING AND ELAWA GARDEN WALL REPAIR PROJECT

- Project Budget: \$100,000
- Tuck pointing of exterior building walls at Elawa due to deteriorated mortar; garden wall failed this past March
- City Hall tuck pointing costs for more minor repairs sought via the Elawa bid opportunity; FY23 operating capital budgeted funds (\$30,000)
- Bid opening August 18 (see following slide for bid table)
- Bruce Brugioni Construction Co. firm has significant historic masonry and tuck pointing experience; most recently successfully completed FY22 Senior Center Tuck Pointing Project
- Work to be completed fall of 2022 and/or spring of 2023
- Action Requested: PW Committee Recommends City Council Award of Bid to Bruce Brugioni Construction Co. for the Elawa Tuck Pointing & Garden Wall Repair Project in the Amount of \$115,279 to include a 10% Contingency in the Amount of \$11,600 for a grand total of \$126,879**



ELAWA TUCK POINTING & GARDEN WALL REPAIR PROJECT

Firm	Elawa Tuck Pointing	Elawa Wall Repair	City Hall Tuck Pointing	TOTAL
Bruce Brugioni Construction Co.	\$65,835	\$30,044	\$19,400	\$115,279
Otto Baum Company, Inc.	\$82,620	\$88,395	\$35,460	\$206,475
Red Feather Group	\$89,500	\$102,000	\$43,000	\$234,500
April Building Services. Inc.	\$124,000	\$72,500	\$52,450	\$248,950
J.S.L. Building Restoration Group, Inc.	\$199,370	\$121,200	\$29,150	\$349,720
Berglund Construction	\$233,000	\$192,000	\$88,000	\$513,000
Ramirez Group LLC	\$290,700	\$225,900	\$179,202	\$695,802
Continental Construction, Inc.	\$365,000	\$232,000	\$388,000	\$985,000

Alderman Notz moved to recommend approval to City Council award of bid to Bruce Brugioni Construction Co. for the Elawa Tuck Pointing & Garden Wall Repair Project in the amount of \$115,279 to include a 10% contingency in the amount of \$11,600 for a grand total of \$126,879. Alderman Novit seconded the motion, which carried unanimously.

4. **REVIEW AND RECOMMEND APPROVAL TO CITY COUNCIL THE PURCHASE OF MOBIL DIESEL EFFICIENT FUEL**

Superintendent of Public Works Martin reviewed the below summary presentation slides on the topic.

MOBIL DIESEL EFFICIENT FUEL

- Fleet manages and maintains approximately 234 rolling pieces of vehicles & equipment: 98 diesel, 94 gasoline & 42 other
- Fleet operates the fueling station at the MS Building providing fuel for all City vehicles and equipment
 - Fueling station is accessible 24 hours/day and usage is monitored using a tracking software
- City's fleet uses on average 87,000 gallons of diesel fuel per year and 68,000 gallons of unleaded gasoline.; fuel is budgeted each Fiscal Year in the Fleet Operating Budget (FY23 budget is \$390,000)
- Current purchasing practices: email request for bids to list of fuel vendors due at 8:00 am next day (bids are good for 24 hours), lowest qualified bid awarded and fuel delivered the same or next day



MOBIL DIESEL EFFICIENT FUEL

- To meet the US EPA's exhaust emissions requirements, diesel engine manufactures modified after treatments or exhaust systems
 - After treatment solution includes specialized regenerative filters to collect deposits and impurities resulting from burning diesel and catalyst systems to convert gasses to nitrogen and water
- Mobil Diesel Efficient (MDE) is a patented reformulated cleaner diesel fuel targeted to be used with modern engine fuel systems, resulting in less particulate matter, lower emissions and significantly reduces after treatment repairs
- Independent studies of MDE has proven it produces a 2% increase in milage, measurable increases in power and performance. In addition, the use of MDE does not require using additional winter treatments to prevent the gelling of fuel; Currently, an off-the-shelf cost for anti-gelling treatment costs \$0.24 per gallon
- Recommended purchasing practice for diesel fuel: Purchase via the Suburban Purchasing Co-Operative (SPC), awarded to Al Warren Oil
 - Per Section 3.5 of the City's Purchasing Directive, purchases can be made via a variety of governmental joint purchasing programs. Specific items are bid nationally and conform to all requirements of the Illinois State bidding laws
- Under the SPC contract fuel is priced @ \$0.045 over the Oil Price Information Service (OPIS) – Low Chicago posted price for the day for B5 bio-diesel; Mobil Diesel Efficient is an additional \$0.03 per gallon; equates to annual \$2,600 cost (utilizing annual diesel fuel usage average)
- **Action Requested: PW Committee Recommends City Council Award of Contract for Bulk Purchase of Mobil Diesel Efficient Fuel to the Suburban Purchasing Cooperative's Low Bidder, Al Warren Oil Co., Inc.**

The Committee and City staff discussed the fuel purchasing process and the benefits of utilizing Mobil diesel efficient fuel.

Alderman Notz moved to recommend approval to City Council award of contract for bulk purchase of Mobil Diesel Efficient Fuel to the Suburban Purchasing Cooperative's low bidder, Al Warren Oil Co., Inc. Alderman Novit seconded the motion, which carried unanimously.

IV. FY '23 PROJECT ROADMAP STATUS CHART

The Committee and City staff reviewed the below prestation slides.

PROJECT ROADMAP – CAPITAL FUND

Project	Asset Category	% Complete	Project Timeline	Notes
Waveland Park: W Parking Lot Resurface & Expansion	Parking Lot	100%	Early May – Mid June	Complete
Forest Ave Parking Lot Resurfacing	Parking Lot	25%	Late July – Late August	Bids reviewed by PWC 2/17; CC approved 3/7; started concrete work in early August after LF Day; will start paving work after Rec. concert and completed by Labor Day
Public Safety Fire Garage Roof Replacement	Facility	100%	Early May – Mid June	Complete
Elawa / City Hall / CNW Tuckpointing	Facility	10%	Spring of 2022	Project currently out to bid; PWC review 8/22 and CC 9/6
Annual Asphalt Resurfacing & Patching Program	Road	99%	Mid May – Early August	All streets have been resurfaced and striped; pothole patching began and is substantially complete
Waukegan & Everett Intersection - Metra Upgrades	Road	10%	Fall	Agreements with Metra finalized, CC approved August 1 for work to begin in fall, 2022
Deerpath Streetscape Project Phase II Design	Road	35%	February 2022 – September 2023	Approved firm has begun Phase II design efforts; submitting ITEP application for construction funding September 2022
Annual Concrete Sidewalks & Curbs Repairs	Road & Sidewalk	95%	August	Project complete with only punch list items remaining
Pavement Management Program	Road & Paths	70%	Mid May – September	Data analysis phase underway; final report to be presented at November Budget Meeting
RT. 60 Bike Path Phase II Design (Academy-Field Dr)	Path	15%	May 2022 – September 2023	Design and construction funding secured from ITEP; working with IDOT to obtain Phase I approval
Illinois & Woodland Pedestrian Bridge Construction	Bridge	50%	TBD	Woodland pedestrian bridge has been replaced and is back open to pedestrians and bicyclists. Illinois pedestrian bridge's contractor and staff are coordinating with ComEd to complete necessary relocations prior to removal and installation of Illinois bridge adjacent to ComEd wires; bridge work is anticipated in fall
Lake-Woodbine Bridge Reconstruction Design PH I/2	Bridge	40%	May 2022 – Fall 2024	HPC approval 3/16; finalizing Phase I Design; Phase II RFP early or late fall; waiting to hear on IDOT grant application status

PROJECT ROADMAP – CAPITAL FUND (CONTINUED)

Project	Asset Category	% Complete	Project Timeline	Notes
McLennon-Reed Bridge Repairs Design	Bridge	30%	May – September	Proposals reviewed by PWC 4/19 and CC approved 5/2; survey completed; design to be substantially completed by September 2022
Rockefeller/McCormick/Loch Ravine Design	Ravine	55%	May – September	Proposals reviewed by PWC 4/19 and CC approved 5/2; design to be substantially completed by September 2022
Seminary Ravine Improvements - Design	Ravine	55%	May – September	Proposals reviewed by PWC 4/19 and CC approved 5/2; design to be substantially completed by September 2022
Capital Equipment - All Funds	Capital Equipment	85%	Ongoing	F.Y. 23 equipment ordered; waiting for deliveries
Burr Oak Storm Sewer Construction	Storm Sewer	70%	May – Early October	All storm sewer installation complete; StormTrap installation began on 8/17 and is anticipated to be completed by mid-September; Concrete, asphalt, and landscape work to follow; weekly updates found at www.cityoflakeforest.com/burroak
Ahwahnee Road Storm Sewer Upgrade Design	Storm Sewer	15%	May – September	Proposals reviewed by PWC 4/19 and CC approved 5/2; engineering consultant has run various drainage models; City staff met with Onwentsia Club on 6/20, 7/7 & 8/9 to discuss running proposed storm sewer through their course to the creek; coordination with Onwentsia Club is ongoing
Annual Storm Sewer Lining Program	Storm Sewer	50%	August – September	Bid opening on 5/19, bids reviewed by PWC 5/26 and CC approved 6/6; initial cleaning complete; lining to start early September
Forest Park Bluff Slope Stabilization & Boardwalk	Forest Park Bluff	0%	September 2022 – May 2023	Bid opening 8/16; both projects exceeded budgeted amount and will be re-evaluated at November budget meeting
ADA Transition Plan	Facilities / Parks / Roads / Sidewalks	5%	May – September	Project to be re-evaluated during upcoming budget cycle
Annual Gas Light Conversion Program	Street Lighting	20%	Ongoing	2022-23 conversion areas underway; currently converting eight lights behind HS (Edgewood to Noble & Spruce to Sheridan)
Annual Longline Striping Program	Street	0%	Fall	Approved 8/1; striping to begin prior to the end of August

PROJECT ROADMAP – WATER FUND

Project	Asset Category	% Complete	Project Timeline	Notes
Deerpath Watermain Replacement (Ahwahnee Ln-Golf)	Water	100%	March – End of May	Completed
Pump VFD Upgrade	Water	30%	May – October	Bids reviewed by PWC 2/17; CC approved 3/7; equipment submittals reviewed and VFDs delivery mid-September.
Water Plant: Membrane Filter Modules	Water	100%	May	CC approval 5/2; module installation complete
Spruce and Sheridan Pump Replacement	Sanitary	100%	May – October	Complete
Annual Hydrant Painting Program	Water & Sewer	0%	Fall	Annually paint approximately 200 hydrants
Annual Leak Detection Program	Water	100%	September	Final report received; Water & Sewer staff making necessary repairs this summer and fall
Water Distribution Pressure Sensors	Water	60%	Late Fall	Equipment ordered; sensors received; 50% of electrical cabinets completed; continue waiting for ComEd supply connections
Valve Repairs	Water	99%	September	Project included the replacement of faulty valves
Annual Valve Exercising Program	Water	100%	July	Annually exercise 20% of all water distribution valves

The Committee and City staff discussed the IDOT Pump Station Project, the ComEd Bridge Replacement Project, the resurfacing of Deerpath Road, and the Woodland and Illinois Bridge Replacement Project.

V. BUDGET / HIRING / INNOVATION UPDATES

There were no Budget / Hiring / Innovation Updates.

VI. PUBLIC COMMENT

There was no public comment.

VII. NEXT MEETING

Director Thomas explained that he would follow up with the Committee via email to schedule the next Public Works Committee meeting.

VIII. ADJOURNMENT

Alderman Novit moved to adjourn the meeting of the Public Works Committee at 5:28 P.M. Chairman Preschlack seconded the motion, which carried unanimously.

Respectfully submitted,

Jim Lockefeer Jr.
Assistant to the Director of Public Works