



## **United City of Yorkville**

800 Game Farm Road

Yorkville, Illinois 60560

Telephone: 630-553-4350

[www.yorkville.il.us](http://www.yorkville.il.us)

### **AGENDA PUBLIC WORKS COMMITTEE MEETING**

**Tuesday, January 17, 2023**

**6:00 p.m.**

City Hall Conference Room  
800 Game Farm Road, Yorkville, IL

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#### **Citizen Comments:**

**Minutes for Correction/Approval:** December 20, 2022

#### **New Business:**

1. PW 2023-01 Snow Operations Report
2. PW 2023-02 Quarterly Bond and Letter of Credit Reduction Summary
3. PW 2023-03 Capital Project Update
4. PW 2023-04 Public Works Facility Discussion
5. PW 2023-05 Well No. 7 Rehabilitation – Contract Award
6. PW 2023-06 2022 RTBR Final Pay Estimate and Change Order
7. PW 2023-07 2023 RTBR Project Amendment
8. PW 2023-08 Public Works Vehicle and Equipment 5-Yer Capital Plan
9. PW 2023-09 2023 Water Main Replacement – Contract B Design Engineering Agreement
10. PW 2023-10 Plat of Dedication and Grant of Easements for the BrightFarms Development
11. PW 2023-11 Bristol Bay – Route 47 Connection

#### **Old Business:**

#### **Additional Business:**

UNITED CITY OF YORKVILLE  
WORKSHEET  
**PUBLIC WORKS COMMITTEE**  
**Tuesday, January 17, 2023**  
**6:00 PM**  
CITY HALL CONFERENCE ROOM

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**CITIZEN COMMENTS:**

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**MINUTES FOR CORRECTION/APPROVAL:**

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1. December 20, 2022

- ☐ Approved \_\_\_\_\_
- ☐ As presented
- ☐ With corrections

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**NEW BUSINESS:**

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1. PW 2023-01 Snow Operations Report

- ☐ Moved forward to CC \_\_\_\_\_
- ☐ Approved by Committee \_\_\_\_\_
- ☐ Bring back to Committee \_\_\_\_\_
- ☐ Informational Item
- ☐ Notes \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

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2. PW 2023-02 Quarterly Bond and Letter of Credit Reduction Summary

☐ Moved forward to CC \_\_\_\_\_

☐ Approved by Committee \_\_\_\_\_

☐ Bring back to Committee \_\_\_\_\_

☐ Informational Item

☐ Notes \_\_\_\_\_

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3. PW 2023-03 Capital Project Update

☐ Moved forward to CC \_\_\_\_\_

☐ Approved by Committee \_\_\_\_\_

☐ Bring back to Committee \_\_\_\_\_

☐ Informational Item

☐ Notes \_\_\_\_\_

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4. PW 2023-04 Public Works Facility Discussion

☐ Moved forward to CC \_\_\_\_\_

☐ Approved by Committee \_\_\_\_\_

☐ Bring back to Committee \_\_\_\_\_

☐ Informational Item

☐ Notes \_\_\_\_\_

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5. PW 2023-05 Well No. 7 Rehabilitation – Contract Award

☐ Moved forward to CC \_\_\_\_\_

☐ Approved by Committee \_\_\_\_\_

☐ Bring back to Committee \_\_\_\_\_

☐ Informational Item

☐ Notes \_\_\_\_\_

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6. PW 2023-06 2022 RTBR Final Pay Estimate and Change Order

☐ Moved forward to CC \_\_\_\_\_

☐ Approved by Committee \_\_\_\_\_

☐ Bring back to Committee \_\_\_\_\_

☐ Informational Item

☐ Notes \_\_\_\_\_

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7. PW 2023-07 2023 RTBR Project Amendment

☐ Moved forward to CC \_\_\_\_\_

☐ Approved by Committee \_\_\_\_\_

☐ Bring back to Committee \_\_\_\_\_

☐ Informational Item

☐ Notes \_\_\_\_\_

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8. PW 2023-08 Public Works Vehicle and Equipment 5-Year Capital Plan

☐ Moved forward to CC \_\_\_\_\_

☐ Approved by Committee \_\_\_\_\_

☐ Bring back to Committee \_\_\_\_\_

☐ Informational Item

☐ Notes \_\_\_\_\_

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9. PW 2023-07 2023 Water Main Replacement – Contract B Design Engineering Agreement

☐ Moved forward to CC \_\_\_\_\_

☐ Approved by Committee \_\_\_\_\_

☐ Bring back to Committee \_\_\_\_\_

☐ Informational Item

☐ Notes \_\_\_\_\_

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10. PW 2023-10 Plat of Dedication and Grant of Easements for the BrightFarms Development

☐ Moved forward to CC \_\_\_\_\_

☐ Approved by Committee \_\_\_\_\_

☐ Bring back to Committee \_\_\_\_\_

☐ Informational Item

☐ Notes \_\_\_\_\_

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11. PW 2023-11 Bristol Bay – Route 47 Connection

☐ Moved forward to CC \_\_\_\_\_

☐ Approved by Committee \_\_\_\_\_

☐ Bring back to Committee \_\_\_\_\_

☐ Informational Item

☐ Notes \_\_\_\_\_

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**ADDITIONAL BUSINESS:**

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Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input type="checkbox"/>
Engineer	<input type="checkbox"/>
City Administrator	<input type="checkbox"/>
Community Development	<input type="checkbox"/>
Purchasing	<input type="checkbox"/>
Police	<input type="checkbox"/>
Public Works	<input type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

Minutes

Tracking Number

### Agenda Item Summary Memo

**Title:** Minutes of the Public Works Committee – December 20, 2022

**Meeting and Date:** Public Works Committee – January 17, 2023

**Synopsis:** \_\_\_\_\_  
\_\_\_\_\_

### Council Action Previously Taken:

Date of Action: \_\_\_\_\_ Action Taken: \_\_\_\_\_

Item Number: \_\_\_\_\_

**Type of Vote Required:** Majority

**Council Action Requested:** Committee Approval

**Submitted by:** Minute Taker

Name

Department

### Agenda Item Notes:

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**UNITED CITY OF YORKVILLE  
PUBLIC WORKS COMMITTEE  
Tuesday, December 20, 2022, 6:00pm  
Yorkville City Hall, Council Chambers  
800 Game Farm Road**

In accordance with Public Act 101-0640 and Gubernatorial Disaster Proclamation issued by Governor Pritzker pursuant to the powers vested in the Governor under the Illinois Emergency Management Agency Act, the United City of Yorkville is encouraging social distancing during the ongoing pandemic by allowing remote attendance for this meeting.

All attendees were in person unless otherwise noted.

**IN ATTENDANCE:**

**Committee Members**

Chairman Matt Marek  
Alderman Ken Koch

Alderman Joe Plocher

**Other City Officials**

City Administrator Bart Olson  
Assistant City Administrator Erin Willrett  
Alderman Chris Funkhouser via Zoom

Engineer Brad Sanderson, EEI  
Public Works Director Eric Dhuse

**Other Guests:**

Attorney Irene Caminer  
Joe Gianinni via Zoom

The meeting was called to order at 6:00pm by Chairman Matt Marek and he noted the Disaster Proclamation.

**Citizen Comments:** None

**Previous Meeting Minutes:** October 18, 2022

The minutes were approved as presented.

**New Business:**

***1. PW 2022-79 Snow Operations Report***

In a written report, Mr. Dhuse gave an overview of the plans Public Works makes for snow events. It was also noted that the fee for damaged mailboxes as a result of plowing snow, has been increased to \$125. No further discussion.

***2. PW 2022-80 Fox Hill Improvements***

Mr. Sanderson said the punchlist and sediment work has been completed in Fox Hill. The project was \$60,000 less than budgeted and he recommended approval of the changed plans and final pay estimate. The committee was OK with this and it moves to the City Council consent agenda.

***3. PW 2022-81 Mack Truck Price Increase***

Mr. Dhuse said there would be a price increase on the new truck, but less than thought. The cost will be \$143,131 for the cab chassis and he recommends approval. This moves to the consent agenda.

#### ***4. PW 2022-82 Windett Ridge Road Parking Change***

Mr. Olson said there are parking restrictions on the north and east sides of Windett Ridge the entire length of the subdivision (approximately one-quarter mile). They have been in place since 2014 due to construction and the residents would like the restrictions rescinded since construction is mostly finished. To start the process, affected residents would be informed by letter and asked to share comments at the January City Council meeting. A vote would be taken in February. Alderman Koch said this request is coming from the HOA since residents have had blocked driveways and mailboxes. Alderman Funkhouser asked about the width of the road and possible parking and emergency vehicle issues. He asked for Fire Department input prior to the next meeting. Chairman Marek asked about possible school bus pickup issues—signs were placed at the intersections near pickup points. This moves to the January Public Works meeting.

#### ***5. PW 2022-83 Water Capacity Presentation and Recommendation***

Mr. Sanderson referred to the presentation contained in the agenda packet. He said a needs assessment was done and the city must bridge the gap until Lake Michigan water is received. A needs assessment addresses water storage and water supply. He said there is plenty of storage, but less capacity. Predictions are made of population growth etc. and it is suggested that the water capacity could be used up by 2025/2026 and the Lake Michigan water is not available until approximately 2028/2029. He said conservation efforts need to be stepped up as well as other measures. Those efforts include: a) provide an inter-connect with Montgomery, b) drill a new well, c) drill new well along with new water treatment plant. The inter-connect is the lowest cost. He also explained the advantages/disadvantages of each and time frames to implement. He added that even with Lake Michigan water, 4 backup wells will be needed by 2050. He also addressed population projections and potential industrial growth.

The recommendation from Mr. Sanderson was to drill a new well west of the new city hall to serve short and long term needs as well as doing the inter-connect with Montgomery which would be an advantage for both municipalities. Alderman Plocher asked if Montgomery might be willing to share in some of the costs. The presentation will be forwarded to all Council members.

#### ***6. PW 2022-84 Lake Michigan Allocation Application Updates Presentation***

##### ***a. 5 - Year Replacement Plan***

This is an update of the application and upcoming steps. Attorney Irene Caminer was present since she is assisting the city in getting the permit. Mr. Sanderson presented a detailed list of the steps taken for this process so far and the update will be brought to the January 10<sup>th</sup> Council meeting. Mr. Olson also explained a population discrepancy that could affect the permit process. Mr. Sanderson stated the city must do leak detection and a water loss report each year and must remain under 10%. The decrease must be in place 2 years prior to the anticipated connection time and he outlined a reduction plan. Mr. Dhuse added that there should be a big decrease next year and also that the city was unable to obtain enough replacement meters this year. The IDNR also strongly suggested that the city step up the watermain replacement program. Mr. Olson also commented that there are no water usage limits at this time, but DuPage Water Commission will have authority over usage. Alderman Plocher asked if this program will affect the Roads to Better Roads program. The city will try to coincide water repairs with watermain replacement as much as possible.

A full update will be presented at the City Council meeting on January 10<sup>th</sup>, a new resolution will be done and the application will be resubmitted by February 14<sup>th</sup>. The budget for watermain will need to be doubled. Mr. Olson also commented that he is working on securing a loan mostly funded by the government, resulting in a lower water increase.

#### ***7. PW 2022-85 Mill Road Reconstruction – Balancing Change Order***

This project is complete and there is a Change Order resulting in a decrease of \$170,000 which is being recommended for approval. Mr. Sanderson said there is some right-of-way the city must vacate from the realignment with the park entrance. With committee approval, this moves to the January consent agenda.

**Old Business:**

Alderman Plocher said Circle Center School is experiencing traffic issues with buses in the front of the school. They are seeking help from the city and have already contacted the district. School officials will attend the next Public Works meeting for discussion.

**Additional Business:** None

There was no further business and the meeting adjourned at 7:24pm.

Minutes respectfully transcribed by  
Marlys Young, Minute Taker



Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input type="checkbox"/>
Engineer	<input type="checkbox"/>
City Administrator	<input checked="" type="checkbox"/>
Human Resources	<input type="checkbox"/>
Community Development	<input type="checkbox"/>
Police	<input type="checkbox"/>
Public Works	<input checked="" type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #1

Tracking Number

PW 2023-01

### Agenda Item Summary Memo

**Title:** Snow Report January 2023

**Meeting and Date:** Public Works Committee – January 17, 2023

**Synopsis:** A brief overview of snow removal and salting operations.

### Council Action Previously Taken:

Date of Action: \_\_\_\_\_ Action Taken: \_\_\_\_\_

Item Number: \_\_\_\_\_

**Type of Vote Required:** None

**Council Action Requested:** Informational

**Submitted by:** Eric Dhuse Public Works  
Name Department

### Agenda Item Notes:

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# Memorandum

To: Public Works Committee  
From: Eric Dhuse, Director of Public Works  
CC: Bart Olson, City Administrator  
Date: January 11, 2023  
Subject: January Snow Report

## Summary

A brief overview of the past months snow removal efforts by the PW and Parks crews.

## Background

With the Christmas week storm being our first real storm of the year, our crew was very prepared. We have had the trucks ready for weeks and were just waiting to use them. Although the storm didn't pack the punch it was supposed to, it was still plenty to keep us busy throughout the entire holiday weekend. Our full crew went out a total of 4 times for this event, 12/22, 12/23, 12/24, and 12/26. With the bitter cold temperatures and wind, the salt was not as effective at burning it off, but it did keep it from adhering to the pavement which is why it came up so easy once the temperatures started to rise.

We had one other event on 1/5 which was a salting event only. This was a simple operation for a light dusting of snow that fell overnight.

At this time, we only have one large dump truck that is going into the shop to be looked at for repairs. All other trucks are operational.

I have attached the salt use table for your review.

Snow Operations Salt and Brine Data 2022-2023									
Snow Event Date		12/23-12-26					Set to		
Date of Recording		12/28/2022					Salt	Varies	
G-Temp							Brine	ON	
Recorder		ED							
	Total Miles	Average	Salt	Lbs of	Lbs of	Brine	Gallons of	Gal Brine/	Tons of
RT-Truck ID	Driven	MPH	Miles	Salt Used	Salt/Mi.	Miles	Brine Used	Ton Salt	Salt Used
R1-#9	201	10.0	107.00	65285	610.14	60	182	5.58	32.64
R2-#27	194	16.0	128.00	78700	614.84	60	196	4.98	39.35
R3-#10	155	7.0	66.00	40506	613.73	0	0		20.25
R4-#13	183	8.0	120.00	73082	609.02	0	0		36.54
R5-#23	200	15.0	152.00	94016	618.53	65	253	5.38	47.01
R6-#18	171	12.0	130.00	79808	613.91	49	218	5.46	39.90
R7-#28	162	7.0	110.00	65445	594.95	51	95	2.90	32.72
R8-#22	246	10.0	98.00	55870	570.10	0	0		37.77
R9-#11	171	8.0	121.00	75532	624.23	75	395	10.46	37.77
R7-#3	171	12	110.00	55000	500				27.5
R7-#14	171	12	110.00	55000	500				28
R6-#6	200	15	152	76000	500				38
R3-#19	155	7	66	33000	500				17
Total	1854.0	10	1032.0	847244	607.72	360	1339	5.79	433.45



Snow Operations Salt and Brine Data 2022-2023									
Snow Event Date	1/5/2023						Set to		
Date of Recording	1/11/2023						Salt	600	
G-Temp							Brine	ON	
Recorder	ED								
	Total Miles	Average	Salt	Lbs of	Lbs of	Brine	Gallons of	Gal Brine/	Tons of
RT-Truck ID	Driven	MPH	Miles	Salt Used	Salt/Mi.	Miles	Brine Used	Ton Salt	Salt Used
R1-#9	51	9.0	27.00	16300	603.70	27	122	14.97	8.15
R2-#27	51	5.0	35.00	23070	659.14	35	0	0.00	11.54
R3-#10	39	6.0	23.00	13884	603.65	0	0		6.94
R4-#13	48	13.0	32.00	19996	624.88	0	0		10.00
R5-#23	40	10.0	30.00	19001	633.37	30	140	14.74	9.50
R6-#18	38	12.0	30.00	19452	648.40	30	142	14.60	9.73
R7-#28	43	12.0	28.00	17040	608.57	28	117	13.73	8.52
R8-#22	40	10.0	21.00	12605	600.24	0	0		8.78
R9-#11	45	8.0	29.00	17565	605.69	29	130	14.80	8.78
R7-#3	38	12	28.00	14000	500				7
R7-#14	38	12	28.00	14000	500				7
R6-#6	40	10	30	15000	500				8
R3-#19	39	6	23	11500	500				6
Total	433.0	9	255.0	213413	620.85	179	651	12.14	109.19

### Recommendation

This is an informational item.



Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input type="checkbox"/>
Engineer	<input checked="" type="checkbox"/>
City Administrator	<input checked="" type="checkbox"/>
Community Development	<input checked="" type="checkbox"/>
Purchasing	<input type="checkbox"/>
Police	<input type="checkbox"/>
Public Works	<input checked="" type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #2

Tracking Number

PW 2023-02

### Agenda Item Summary Memo

**Title:** Bond/LOC Reduction Summary Through December 31, 2023

**Meeting and Date:** Public Works Committee – January 17, 2023

**Synopsis:** \_\_\_\_\_  
\_\_\_\_\_

### Council Action Previously Taken:

Date of Action: \_\_\_\_\_ Action Taken: \_\_\_\_\_

Item Number: \_\_\_\_\_

**Type of Vote Required:** None

**Council Action Requested:** Informational

**Submitted by:** Brad Sanderson Engineering  
Name Department

### Agenda Item Notes:

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# Memorandum

To: Bart Olson, City Administrator  
From: Brad Sanderson, EEI  
CC: Eric Dhuse, Director of Public Works  
Krysti Barksdale-Noble, Community Dev. Dir.  
Jori Behland, City Clerk

Date: January 3, 2023  
Subject: 2022 Bond/LOC Reduction Summary

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Please see the attached reduction summary through December 31, 2023. If you have any questions, please let me know.

## 2022 Bond and Letter of Credit Reduction Report

Date	Development/Project	Engineer Concurrence	City Administrator Concurrence	Mayor Concurrence	Reduction	Final Release	Reduction Value	Remaining Balance
2/3/2022	Grande Reserve - Unit 12	X	X		X		\$ 76,124.00	\$ 60,400.00
2/3/2022	Grande Reserve - Unit 15	X	X		X		\$ 121,413.00	\$ 142,800.00
2/3/2022	Grande Reserve - Unit 22	X	X		X		\$ 38,434.00	\$ 117,200.00
2/14/2022	Heartland Meadows	X	X		X		\$ 71,688.10	\$ 255,065.90
2/22/2022	Grande Reserve - Unit 13	X	X		X		\$ 123,062.00	\$ 87,600.00
2/22/2022	Grande Reserve - Unit 14	X	X		X		\$ 176,242.00	\$ 125,600.00
6/15/2022	Kendall Marketplace - Lot 52 (Phase 2 & 3)	X	X		X		\$ 432,935.00	\$ 152,351.20
6/16/2022	Kendall Marketplace - Lot 52 (Phase 1)	X	X		X		\$ 34,522.50	\$ 129,375.50
9/26/2022	Grande Reserve - Unit 27	X	X		X		\$ 982,531.08	\$ 1,999,488.92
11/22/2022	Grande Reserve - Tuscany Trail	X	X			X	\$ 33,633.68	\$ -
12/13/2022	Bristol Bay - Unit 13	X	X		X		\$ 1,053,328.16	\$ 1,088,470.24
12/21/2022	Grande Reserve - Unit 23	X	X		X		\$ 503,382.95	\$ 17,028.00



Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input type="checkbox"/>
Engineer	<input checked="" type="checkbox"/>
City Administrator	<input checked="" type="checkbox"/>
Community Development	<input checked="" type="checkbox"/>
Purchasing	<input type="checkbox"/>
Police	<input type="checkbox"/>
Public Works	<input checked="" type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #3

Tracking Number

PW 2023-03

### Agenda Item Summary Memo

**Title:** Capital Project Update

**Meeting and Date:** Public Works Committee – January 17, 2023

**Synopsis:** Status Update

### Council Action Previously Taken:

Date of Action: \_\_\_\_\_ Action Taken: \_\_\_\_\_

Item Number: \_\_\_\_\_

**Type of Vote Required:** None

**Council Action Requested:** Informational

**Submitted by:** Brad Sanderson Engineering  
Name Department

### Agenda Item Notes:

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# Memorandum

To: Bart Olson, City Administrator  
From: Brad Sanderson, EEI  
CC: Eric Dhuse, Director of Public Works  
Krysti Barksdale-Noble, Community Dev. Dir.  
Jori Behland, City Clerk

Date: January 3, 2023  
Subject: Capital Improvement Projects Update

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The purpose of this memo is to update the Public Works Committee as to the status of the several projects. A summary on the status of the projects is provided below:

## **Construction Projects**

### Beaver Street BPS Generator

Work is substantially complete. The contractor is working on punchlist items.

### 2022 RTBR Program

Work is substantially complete. The contractor is working on punchlist items.

### E. Main Street Improvements

Work is substantially complete. The contractor is working on punchlist items.

### Kennedy and Mill Road Intersection Improvements

Work is substantially complete. The contractor is working on punchlist items.

### North Central EWST Rehabilitation

Work will begin in the spring and be completed by June 1<sup>st</sup>.

### Bristol Ridge Road LAFO

Work is substantially complete. The contractor is working on punchlist items.

### 2022 Sanitary Sewer Lining Improvements

Work is substantially complete. The contractor is working on punchlist items.

### Corneils Road Interceptor

A preconstruction meeting was held on January 3<sup>rd</sup>.

## **Planning/Design Projects**

### 2023 Water Main Replacement Program

Design engineering has commenced. We are anticipating a February letting.

### 2023 RTBR Program

Design engineering has commenced. We are anticipating a February letting.

### Baseline Road Improvements

Design engineering has commenced. We are anticipating a March letting.

Kennedy / Freedom Place Intersection Improvements

Design engineering has commenced. We are anticipating a March/April letting.

Lead Service Line Inventory

The inventory is underway and as of the end of 2022, nearly 30% of the targeted area has responded.



Reviewed By:	
Legal	<input checked="" type="checkbox"/>
Finance	<input type="checkbox"/>
Engineer	<input type="checkbox"/>
City Administrator	<input checked="" type="checkbox"/>
Community Development	<input type="checkbox"/>
Purchasing	<input type="checkbox"/>
Police	<input type="checkbox"/>
Public Works	<input checked="" type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #4

Tracking Number

PW 2023-04

### Agenda Item Summary Memo

**Title:** Public Works Facility Discussion

**Meeting and Date:** Public Works Committee – January 17, 2023

**Synopsis:** A discussion will take place.

### Council Action Previously Taken:

Date of Action: \_\_\_\_\_ Action Taken: \_\_\_\_\_

Item Number: \_\_\_\_\_

**Type of Vote Required:** \_\_\_\_\_

**Council Action Requested:** \_\_\_\_\_

**Submitted by:** Bart Olson Administration  
Name Department

### Agenda Item Notes:

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SCHEMATIC DESIGN



# Yorkville Maintenance Facility

SUBMITTED TO:

**United City of Yorkville**

800 Game Farm Road

Yorkville, Illinois 60560



# Index

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## BLEND SCHEME (Alternative)

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Floor Plan 14

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November 14, 2022

Mr. Bart Olson  
City Administrator  
United City of Yorkville  
800 Game Farm Road  
Yorkville, Illinois 60560

Re: Yorkville Public Works Limited Schematic Design  
Kluber Project No. 1370

The Kluber team has enjoyed the opportunity to work with the representatives from the United City of Yorkville in the development of the design for the new public works facility. The design solution that we are presenting is the result of several months of programming, and design meetings. We truly felt that it has been an engaging process and did our best to ensure that all voices were heard as part of the development of the building design concept.

The current project size is 87,485 S.F. if Public Works and Parks are both built out with room for expansion. We also provided an alternative scheme with a reduced garage that brings the overall project down to 70,325 S.F.

When completed this facility will include the following spaces

- Main Entrance Lobby
- Administrative Offices and Workspaces
- Employee Support
- Fleet Garage
- Shops
- Dry Storage
- Fleet Maintenance
- Fueling Station



The following document has been grouped into several sections as described below:

A preliminary code and zoning analysis and a review of the initial study scheme are included.

#### **Design Images**

We have created floor plans, and site drawings that describe our proposed design solutions. These images include information on the building form, materials, building spaces, and the development of the building site. The facility design concept is based on the needs outlined in the Space Needs Study, and the 'Blend' option features a reduced garage size for upfront cost savings, as requested by the group.

#### **Preliminary Opinion of Probable Cost**

The Kluber team is currently working to formulate the most cost effective construction materials selections and site development approach for the project.

#### **Next Steps:**

#### **Design Development**

Upon acceptance of the Schematic Design by the City Council, our team will proceed with the Design Development Phase of the project. This phase includes the development of detailed floor plans, selected interior elevations, exterior elevations, building sections, significant details, site plans, room by room square footage, landscape plans, roof plans, site development plans, etc. This information will include architectural, structural, mechanical, electrical, plumbing, and civil engineering portions of the project.

As always, if you have any questions regarding the attached information, please contact us.

Sincerely,

A handwritten signature in blue ink, reading 'Christopher Hansen'.

Christopher Hansen, AIA, NCARB  
Project Manager  
[chansen@kluberinc.com](mailto:chansen@kluberinc.com)



## Applicable Building Codes

The project will be reviewed by the Authorities Having Jurisdiction and will be designed to meet the requirements of the following building codes.

This project site falls within the Yorkville limits and will be permitted through Yorkville.

2018 International Building Code

2018 International Mechanical Code

2018 International Fuel Gas Code

2017 National Electric Code

Illinois State Plumbing Code, Latest Edition

2018 International Fire Code

2018 International Energy Conservation Code

2018 Illinois Accessibility Code

Local Amendments to above codes

## Applicable Zoning Codes

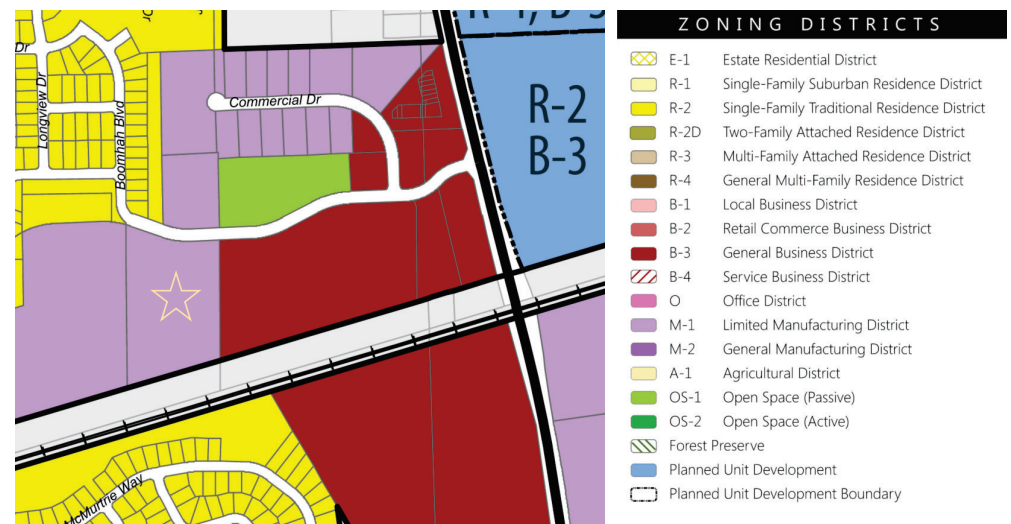
The current site is zoned M-1: Limited Manufacturing District. No rezoning will be required on this parcel for this use and is part of the PUD for the development area.

West of the site is the stormwater detention for the PUD off-site on the west parcel.

South of the site are the railroad tracks and the ComEd easement, along with R-2: Single Family Traditional Residence District on the other side of the tracks.

East of the site is a warehouse facility zoned B-3: General Business District.

North of the site is zoned M-1: Limited Manufacturing District.



# Initial Study Review

Original Study 11/24/2021





## Original Diagram Concept From Space Needs Study Deliverable

This design solution included Yorkville Public Works, Parks, and Recreation as well as Kendall Area Transit. It was later determined that KAT would not be a part of this project.

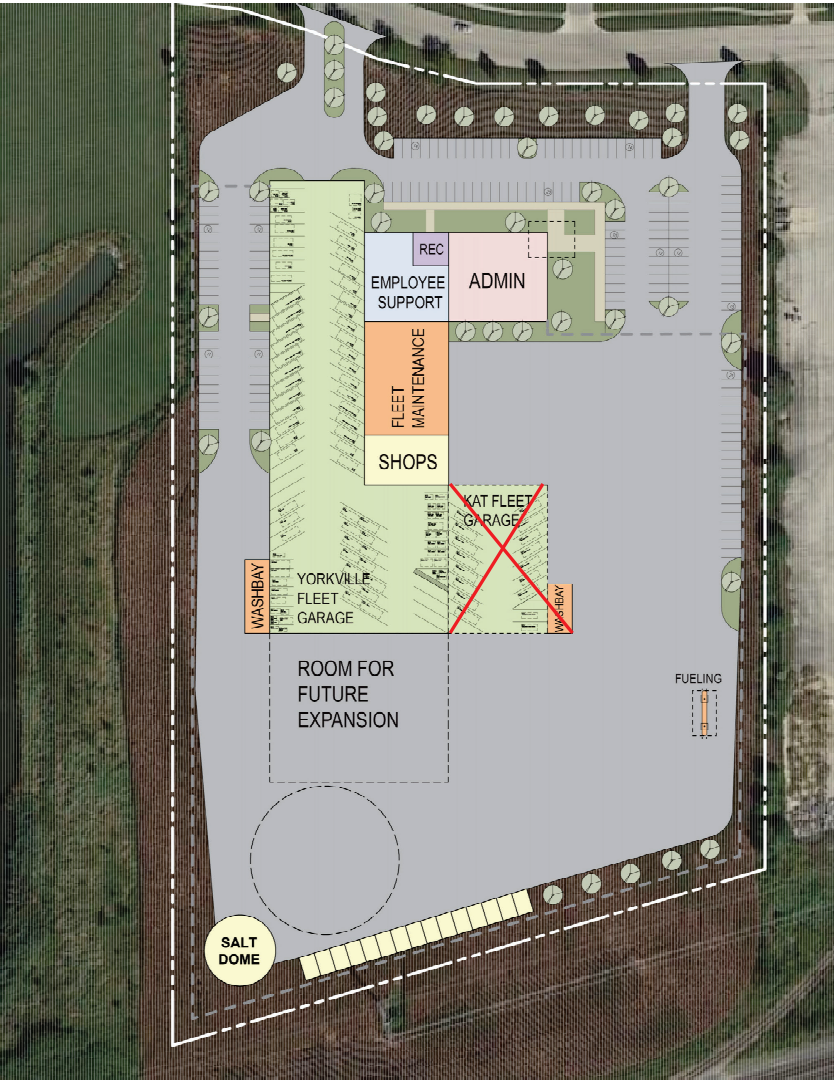
The building includes a large community meeting room/training space that would hold a hundred people. The site was developed with enough parking to facilitate the staff of all parties, a large training session, and parking for the public soccer fields to the west.

This plan also included space for further future expansion to the south end of the building.

The original design contemplated **111,933 S.F.** for the facility including the Recreation Department as follows:

	Public Works – 70,784 SF
	Parks – 36,786 SF
	Recreation – 4,363 SF*
	Grand Total – 111,933 SF

Initial Combined P.W. & Parks S.F. = 107,570



## Initial Study Preliminary Cost: 11/24/2021

Item	Description: United City of Yorkville Portion	Space Needs SF	Walls & Circ. Factor	Total SF	Cost Range:		Budget Range:		Cost Per SF Totals:	
A	Existing Building Demolition:									
1	Selective Demolition	0	0	0	\$ -	to \$ -	\$ -	to \$ -		
	Sub-Total Existing Building Demolition	0		0			\$ -	to \$ -		
B	New Building Construction:									
1	Building Costs (A - Administration Areas)	7,410	9.00%	8,077	\$ 164	to \$ 177	\$ 1,324,612	to \$ 1,429,611		
2	Building Costs (B - Employee Support Areas)	2,236	9.00%	2,437	\$ 205	to \$ 218	\$ 458,380	to \$ 487,448		
3	Building Costs (C - Fleet Garage)	58,176	9.00%	63,412	\$ 197	to \$ 210	\$ 12,492,132	to \$ 13,316,486		
4	Building Costs (D - Shops)	3,816	9.00%	4,159	\$ 174	to \$ 187	\$ 723,743	to \$ 777,815		
5	Building Costs (E - Fleet Maintenance)	10,585	9.00%	11,538	\$ 265	to \$ 278	\$ 3,057,477	to \$ 3,207,467		
6	Building Costs (F - Building Services)	2,579	9.00%	2,811	\$ 170	to \$ 183	\$ 477,889	to \$ 514,433		
7	Building Costs (G - Recreation-Storage & Locker Rooms)	2,058	9.00%	2,243	\$ 145	to \$ 158	\$ 325,267	to \$ 354,429		
8	Exterior Structures (Salt Struct. Fuel Station & Material Bins Allowance)	15,831	9.00%	17,256	\$ 965,000	to \$ 1,150,000	\$ 965,000	to \$ 1,150,000		
	Sub-Total New Construction Cost	102,691		111,933			\$ 19,824,499	to \$ 21,237,690		
C	Site Development:									
1	Site Acquisition (Allowance)	Allow		Allow	\$ 1,500,000	to \$ 2,000,000	\$ 1,500,000	to \$ 2,000,000		
2	Site Improvements (Allowance)	Allow		Allow	\$ 1,844,500	to \$ 2,023,000	\$ 1,844,500	to \$ 2,023,000		
	Sub-Total Site Development Cost						\$ 3,344,500	to \$ 4,023,000		
D	Sub-Total Construction Cost						\$ 23,168,999	to \$ 25,260,690	\$ 206.99	\$ 225.68
E	Design Contingency (5%)						\$ 1,158,450	to \$ 1,263,034		
F	Sub-Total Construction Cost with Design Contingency						\$ 24,327,449	to \$ 26,523,724	\$ 217.34	\$ 236.96
G	Construction Contingency (10%)						\$ 2,432,745	to \$ 2,652,372		
H	Sub-Total Construction Cost with Const. Contingency						\$ 26,760,194	to \$ 29,176,096	\$ 239.07	\$ 260.66
J	Fixtures, Furniture and Equipment (6% of Line F)						\$ 1,459,647	to \$ 1,591,423		
K	Administrative Expenses* (2% of Line F)						\$ 486,549	to \$ 530,474		
L	A/E Fees (9.75% of Line F)						\$ 2,371,926	to \$ 2,586,063		
M	Total Soft Costs (J+K+L)						\$ 4,318,122	to \$ 4,707,961	\$ 38.58	\$ 42.06
N	Yorkville Total Project Budget						\$ 31,078,317	to \$ 33,884,057	\$ 277.65	\$ 302.72

Notes: \* Administrative Expenses: Permit fees, utility connection fees, construction testing, bonds & insurance, legal, etc.

Const. Cost 24.3 – 26.5M

Const. Cost W/Contingency: 26.7 – 29.1M

Total Project Cost W/Contingency: 31.0 – 33.8M

# Facility for the Future

**Our alternative approach showing the construction including Public Works and Parks**

This approach assumes that Parks and Public Works will be fully built together with a 20+ year lifespan.





# Public Works & Parks Combined<sub>(Room for future Growth)</sub>

## Highlights:

- 87,524 SF of building, this number does not include dry material storage, Salt dome or Fueling station.
- Overall building and site layout have been shifted to the East from study location due to feedback from the soils reports.
- Fuel Station including (2) 2,500 gallon underground diesel & unleaded tanks + 2 pumps and a canopy structure).
- 5,000 TONS Salt Structure.
- (15) Material Storage Bins.
- Manual Vehicle Wash Bay.

The fleet garage is large enough to accommodate all current Public Works fleet, and Parks fleet with no room for growth.

Parks garage includes a 'pull through' parking configuration so vehicles with trailers can remain connected while parked.

Pavement area has been reduced from original proposal due to KAT being removed from the scheme, as well as for cost savings.

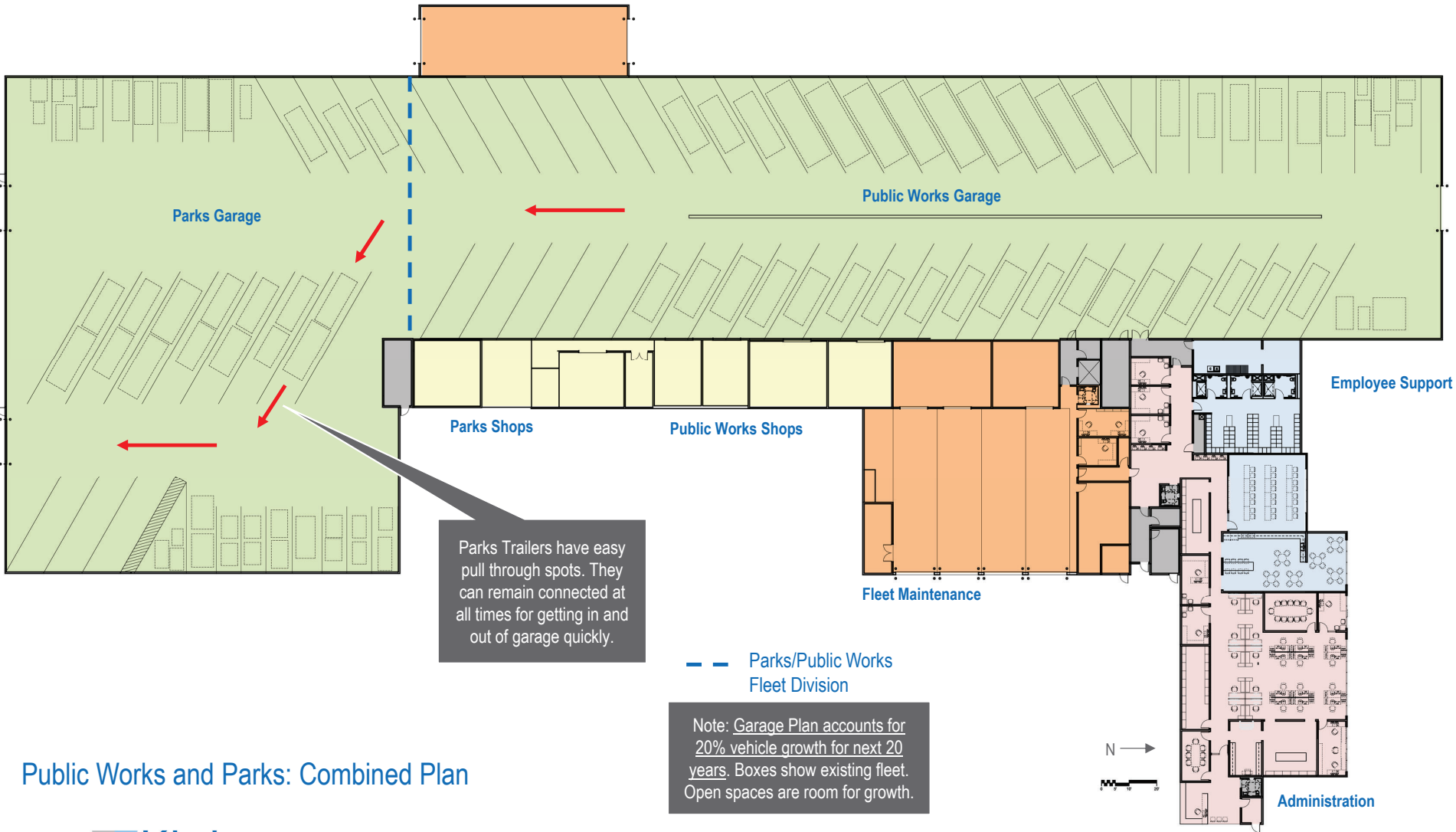
Fencing is brought to meet the existing neighboring fence line to the east.

Parking and Path to meet Soccer fields to the Northwest has been added as requested.

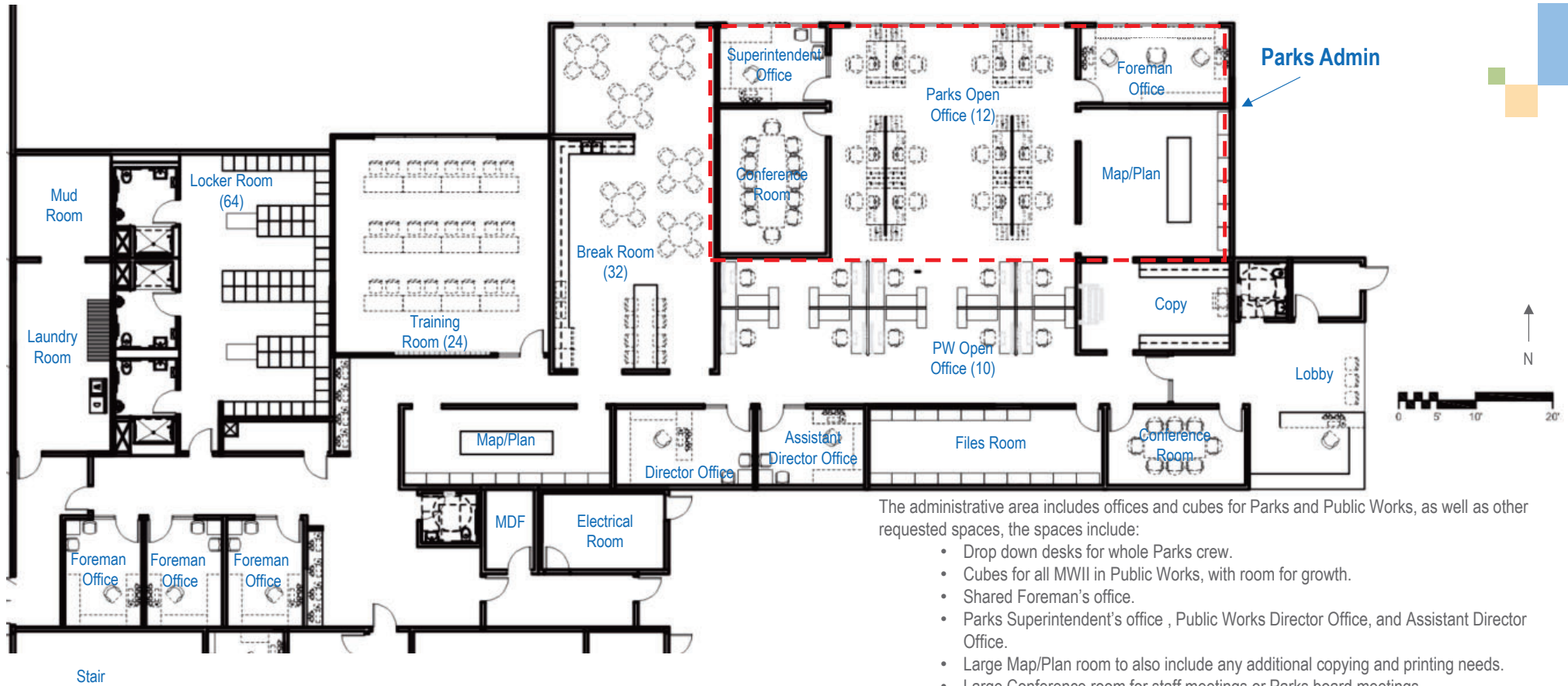
95 Total Parking spaces shown.







## Public Works and Parks: Combined Plan



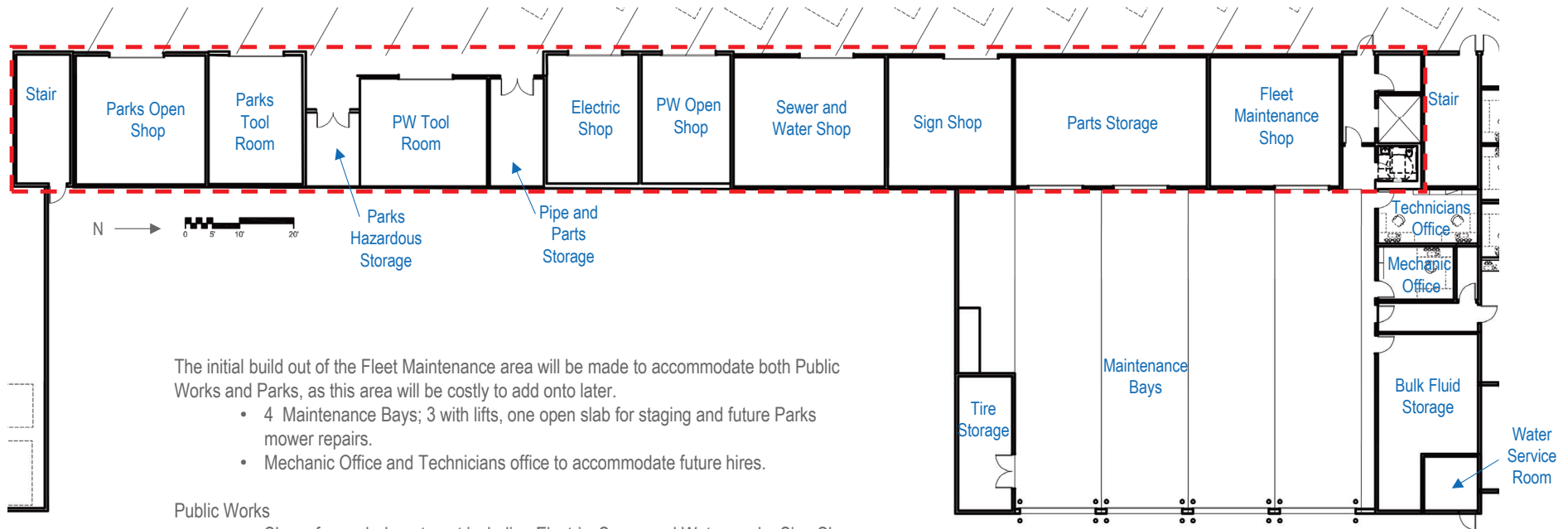
The administrative area includes offices and cubes for Parks and Public Works, as well as other requested spaces, the spaces include:

- Drop down desks for whole Parks crew.
- Cubes for all MWII in Public Works, with room for growth.
- Shared Foreman's office.
- Parks Superintendent's office, Public Works Director Office, and Assistant Director Office.
- Large Map/Plan room to also include any additional copying and printing needs.
- Large Conference room for staff meetings or Parks board meetings.
- Small Conference room for Public Works Supervisor meetings.
- Training Room for all staff gatherings of Public Works.

#### Employee Support areas

- Locker room has been expanded for Parks employees.
- Break room has been expanded to allow for more employees to utilize at once.
- A mud room is added to the Laundry room to accommodate for additional personnel using the space.

## Administration and Employee Support



The initial build out of the Fleet Maintenance area will be made to accommodate both Public Works and Parks, as this area will be costly to add onto later.

- 4 Maintenance Bays; 3 with lifts, one open slab for staging and future Parks mower repairs.
- Mechanic Office and Technicians office to accommodate future hires.

#### Public Works

- Shops for each department including Electric, Sewer and Water, and a Sign Shop, as well as an open shop and a Public Works specific Tool Room.

#### Parks

- Parks has their own Tool Room and their own Shop directly off of their garage for ease of access.
- Parks has a Hazardous Material Storage Room for pesticide concentrate and lawn mower maintenance liquids.

Mezzanine over all the Shops (shown with the dashed line), with access from the stairs on either end and an elevator. This can be used by Parks, Public works and storage for the city.

## Shops and Fleet Maintenance

# BLEND Scheme

**Our alternative approach showing NO room for growth**

This scheme assumes that the garage could be expanded later.







# BLEND (Minimized Garage)

## Highlights:

- 70,325 S.F. of building structure.

The fleet garage is large enough to accommodate all current Public Works fleet, and Parks fleet with no room for growth.

All Administrative, Employee Support, Fleet Maintenance and Shop spaces remain the same

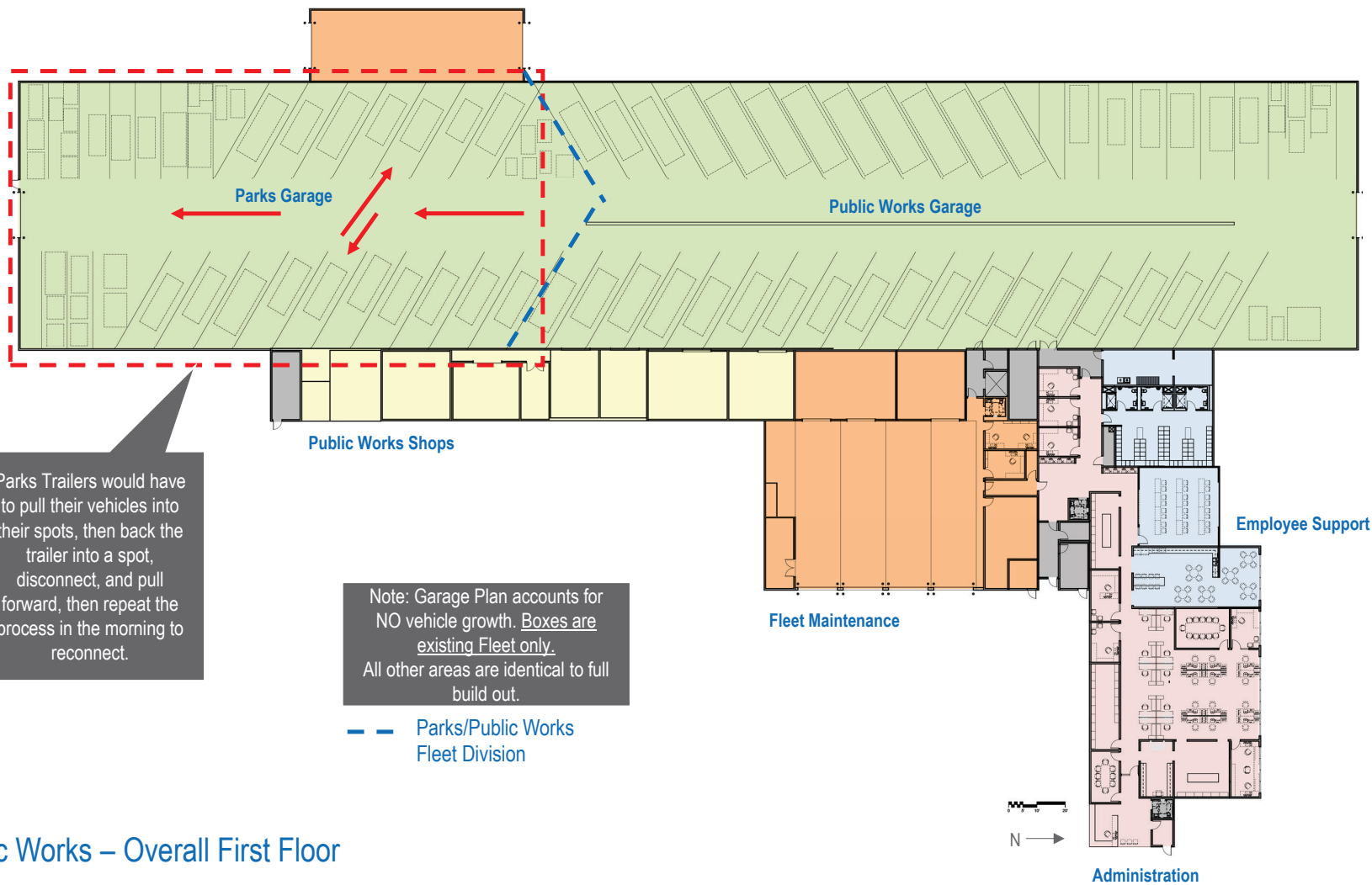
## Similar to Previous:

Fencing is brought to meet the existing neighboring fence line to the east.

Parking and Path to meet Soccer fields to the Northwest has been added as requested.

95 Total Parking spaces shown.

- Fuel Station including (2) 2,500 gallon underground diesel & unleaded tanks + 2 pumps and a canopy structure).
- 5,000 TONS Salt Structure.
- (15) Material Storage Bins.
- Manual Vehicle Wash Bay.



## Public Works – Overall First Floor

# Cost

Updated cost parameters for each scheme.



## Public Works & Parks Facility 11/14/2022

Item	Description: Public Works (Phase 1)	Total SF	Cost Range Per S.F.			Budget Range:			Cost Per SF Totals:	
<b>B</b>	<b>New Building Construction:</b>									
<b>1</b>	<b>Building Costs (A - Administration Areas)</b>	6,272	\$ 164	to	\$ 177	\$ 1,028,608	to	\$ 1,110,144		
<b>2</b>	<b>Building Costs (B - Employee Support Areas)</b>	3,456	\$ 205	to	\$ 218	\$ 708,480	to	\$ 753,408		
<b>3</b>	<b>Building Costs (C - Fleet Garage)</b>	62,539	\$ 197	to	\$ 210	\$ 12,320,183	to	\$ 13,133,190		
<b>4</b>	<b>Building Costs (D - Shops)</b>	4,245	\$ 174	to	\$ 187	\$ 738,630	to	\$ 793,815		
<b>5</b>	<b>Building Costs (E - Fleet Maintenance)</b>	9,292	\$ 265	to	\$ 278	\$ 2,462,380	to	\$ 2,583,176		
<b>6</b>	<b>Building Costs (F - Building Services)</b>	1,720	\$ 170	to	\$ 183	\$ 292,400	to	\$ 314,760		
<b>7</b>	<b>Building Costs (Mezzanine)</b>	6,043	\$ 97	to	\$ 110	\$ 586,171	to	\$ 664,730		
<b>8</b>	<b>Exterior Structures:</b>									
	<b>Fuel Station</b> (2500 Gal Diesel, 2500 Gal Gasoline, 2 pumps with canopy, underground tanks)		\$ 450,000	to	\$ 500,000	\$ 450,000		\$ 500,000		
	<b>Salt Structure</b> (100ft diameter, 8' wall height, 5000 TONS)		\$ 275,000	to	\$ 300,000	\$ 275,000		\$ 300,000		
	<b>Material Storage Bins</b> (15 bins)		\$ 495,000	to	\$ 565,000	\$ 495,000		\$ 565,000		
	<b>Sub-Total New Construction Cost</b>	87,524				\$ 19,356,852	to	\$ 20,718,223	\$ 221.16	\$ 236.71
<b>C</b>	<b>Site Development:</b>									
<b>1</b>	<b>Site Improvements (Allowance)</b>	Allow	\$ 1,665,000	to	\$ 1,720,000	\$ 1,665,000	to	\$ 1,720,000		
	<b>Sub-Total Site Development Cost</b>					\$ 1,665,000	to	\$ 1,720,000		
<b>D</b>	<b>Sub-Total Construction Cost</b>					\$ 21,021,852	to	\$ 22,438,223	\$ 240.18	\$ 256.37
<b>E</b>	<b>Design Contingency (5%)</b>					\$ 1,051,093	to	\$ 1,121,911		
<b>F</b>	<b>Sub-Total Construction Cost with Design Contingency</b>					\$ 22,072,945		\$ 23,560,134	\$ 252.19	\$ 269.18
<b>G</b>	<b>Construction Contingency (10%)</b>					\$ 2,207,294		\$ 2,356,013		
<b>H</b>	<b>Sub-Total Construction Cost with Const. Contingency</b>					\$ 24,280,239		\$ 25,916,148	\$ 277.41	\$ 296.10
<b>J</b>	<b>Fixtures, Furniture and Equipment (6% of Line F)</b>					\$ 1,324,377		\$ 1,413,608		
<b>K</b>	<b>Administrative Expenses* (2% of Line F)</b>					\$ 441,459		\$ 471,203		
<b>L</b>	<b>A/E Fees (9.75% of Line F)</b>					\$ 2,152,112		\$ 2,297,113		
<b>M</b>	<b>Total Soft Costs (J+K+L)</b>					\$ 3,917,948		\$ 4,181,924	\$ 44.76	\$ 47.78
<b>N</b>	<b>Phase 1: Total Project Budget</b>					\$ 28,198,187		\$ 30,098,071	\$ 322.18	\$ 343.88

Const. Cost 22.1 – 23.6M

Const. Cost W/Contingency:  
24.3 – 25.9M

Total Project Cost W/Contingency  
28.2 – 30.1M



## BLEND Scheme 11/14/2022

Item	Description: Public Works (Phase 1)	Space Needs SF	Cost Range Per S.F.			Budget Range:			Cost Per SF Totals:	
<b>B</b>	<b>New Building Construction:</b>									
1	Building Costs (A - Administration Areas)	6,272	\$ 164	to	\$ 177	\$ 1,028,608	to	\$ 1,110,144		
2	Building Costs (B - Employee Support Areas)	3,456	\$ 205	to	\$ 218	\$ 708,480	to	\$ 753,408		
3	Building Costs (C - Fleet Garage)	45,340	\$ 197	to	\$ 210	\$ 8,931,980	to	\$ 9,521,400		
4	Building Costs (D - Shops)	4,245	\$ 174	to	\$ 187	\$ 738,630	to	\$ 793,815		
5	Building Costs (E - Fleet Maintenance)	9,292	\$ 265	to	\$ 278	\$ 2,462,380	to	\$ 2,583,176		
6	Building Costs (F - Building Services)	1,720	\$ 170	to	\$ 183	\$ 292,400	to	\$ 314,760		
7	Building Costs (Mezzanine)	6,043	\$ 97	to	\$ 110	\$ 586,171	to	\$ 664,730		
8	<b>Exterior Structures:</b>									
	Fuel Station (2500 Gal Diesel, 2500 Gal Gasoline, 2 pumps with canopy, underground tanks)	Allow	\$ 450,000	to	\$ 500,000	\$ 450,000		\$ 500,000		
	Salt Structure (100ft diameter, 8' wall height, 5000 TONS)	Allow	\$ 275,000	to	\$ 300,000	\$ 275,000		\$ 300,000		
	Material Storage Bins (15 bins)	Allow	\$ 265,000	to	\$ 300,000	\$ 265,000		\$ 300,000		
	<b>Sub-Total New Construction Cost</b>	70,325				\$ 15,738,649	to	\$ 16,841,433	\$ 223.80	\$ 239.48
<b>C</b>	<b>Site Development:</b>									
1	Site Improvements (Allowance)	Allow	\$ 1,650,000	to	\$ 1,700,000	\$ 1,650,000	to	\$ 1,700,000		
	<b>Sub-Total Site Development Cost</b>					\$ 1,650,000	to	\$ 1,700,000		
<b>D</b>	<b>Sub-Total Construction Cost</b>					\$ 17,388,649	to	\$ 18,541,433	\$ 247.26	\$ 263.65
<b>E</b>	<b>Design Contingency (5%)</b>					\$ 869,432	to	\$ 927,072		
<b>F</b>	<b>Sub-Total Construction Cost with Design Contingency</b>					\$ 18,258,081		\$ 19,468,505	\$ 259.62	\$ 276.84
<b>G</b>	<b>Construction Contingency (10%)</b>					\$ 1,825,808		\$ 1,946,850		
<b>H</b>	<b>Sub-Total Construction Cost with Const. Contingency</b>					\$ 20,083,890		\$ 21,415,355	\$ 285.59	\$ 304.52
<b>J</b>	<b>Fixtures, Furniture and Equipment (6% of Line F)</b>					\$ 1,095,485		\$ 1,168,110		
<b>K</b>	<b>Administrative Expenses* (2% of Line F)</b>					\$ 365,162		\$ 389,370		
<b>L</b>	<b>A/E Fees (9.75% of Line F)</b>					\$ 1,780,163		\$ 1,898,179		
<b>M</b>	<b>Total Soft Costs (J+K+L)</b>					\$ 3,240,809		\$ 3,455,660	\$ 46.08	\$ 49.14
<b>N</b>	<b>Phase 1: Total Project Budget</b>					\$ 23,324,699		\$ 24,871,015	\$ 331.67	\$ 353.66

Const. Cost: 18.2 – 19.5M

Const. Cost W/Contingency:  
20.1 – 21.4M

Total Project Cost W/Contingency:  
23.3 – 24.8M

## Combined Comparison & Garage Addition Escalation

Item	Description:	Total SF	Total Budget Range:			Cost Per SF Totals:	
A	Yorkville Total Project Budget - FULL Build Out	87,524	\$ 28,198,187	to	\$ 30,098,071	\$ 322.18	\$ 343.88
B	Yorkville Total Project Budget -BLEND	70,325	\$ 23,324,699	to	\$ 24,871,015	\$ 331.67	\$ 353.66
C	Yorkville Total Project Budget - Garage Addition	17,199	\$ 4,873,488	to	\$ 5,227,057	\$ 283.36	\$ 303.92
Const. Year	Garage Addition Escalation Costs						
2025	Garage addition @ 6.0% Escalation per year		\$ 5,165,897	to	\$ 5,540,680	\$ 73.46	\$ 78.79
2026			\$ 5,475,851	to	\$ 5,873,121		
2027			\$ 5,804,402	to	\$ 6,225,508		
2028			\$ 6,152,666	to	\$ 6,599,039		
2029			\$ 6,521,826	to	\$ 6,994,981		
2030			\$ 6,913,135	to	\$ 7,414,680		
2031			\$ 7,327,924	to	\$ 7,859,561		
2032			\$ 7,767,599	to	\$ 8,331,134		
2033			\$ 8,233,655	to	\$ 8,831,002		
2034			\$ 8,727,674	to	\$ 9,360,862		
2035			\$ 9,251,335	to	\$ 9,922,514		
			\$ 32,576,034		\$ 34,793,529		

Updated Total Project Cost: 28.2 – 30.1 M  
Original Total Project Cost: 31.0 – 33.8 M  
**Savings of 3 – 4 M**

BLEND Total Project Cost: 23.3 – 24.8 M

Escalation Factors @ 6.0% per year

Total Project Cost if waiting to complete Garage Addition in 10 Years



Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input checked="" type="checkbox"/>
Engineer	<input checked="" type="checkbox"/>
City Administrator	<input type="checkbox"/>
Community Development	<input type="checkbox"/>
Purchasing	<input type="checkbox"/>
Police	<input type="checkbox"/>
Public Works	<input checked="" type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #5

Tracking Number

PW 2023-05

### Agenda Item Summary Memo

**Title:** Well No. 7 Rehabilitation

**Meeting and Date:** Public Works Committee – January 17, 2023

**Synopsis:** Recommendation of Award

#### Council Action Previously Taken:

Date of Action: \_\_\_\_\_ Action Taken: \_\_\_\_\_

Item Number: \_\_\_\_\_

**Type of Vote Required:** Majority

**Council Action Requested:** Approval

**Submitted by:** Brad Sanderson Engineering  
Name Department

#### Agenda Item Notes:

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# Memorandum

To: Bart Olson, City Administrator  
From: Brad Sanderson, EEI  
CC: Eric Dhuse, Director of Public Works  
Rob Fredrickson, Finance Director  
Jori Behland, City Clerk

Date: January 10, 2023  
Subject: Well No. 7 Rehabilitation

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Well 7 was constructed in May 2004, and the well equipment (pump, motor, column piping, etc.) has been in service for approximately 18 years. Typically, routine maintenance is performed every 7 to 10 years to prevent premature failure of the well equipment and to inspect the interior condition of the well. The last rehabilitation for Well 7 was performed over 15 years ago. Therefore, it is critical that Well 7 be taken online for routine maintenance as soon as possible.

On November 22, 2022, EEI solicited a bid proposal from Layne Christensen Company (Layne) for the rehabilitation of Water Well 7. Layne's bid was received, opened, and tabulated at 10:00 a.m., December 13, 2022. A tabulation of the bid and the engineer's estimate is attached for your information and record.

The Bid Schedule consists of a Base Bid Schedule for items that are certain to be required for the project and a Mandatory Alternate Bid Schedule for items that may be required. The pump and motor must be removed from the well and the equipment inspected before a determination can be made regarding the necessity of the Mandatory Alternate Bid Items. Furthermore, there are some Mandatory Alternate Bid Items that are more likely to be utilized than others, depending on known conditions at the current time, and careful consideration of these items is essential in determining the potential total cost of the project.

We felt it was in the City's best interest to move forward with Layne because they furnished and installed the existing Byron Jackson/Flowserve pump in Well 7 (and every other well in Yorkville), and the Byron Jackson/Flowserve pump has served the City's water supply needs effectively over the years. Layne's particular expertise servicing Byron Jackson motors for continued reliable use has proven to be beneficial to Yorkville and many other local communities. Furthermore, it should be noted that Layne provided the services for drilling Well 7 and installing the original pump and motor equipment, which gives them knowledge of the well and equipment that will be beneficial during this project.

This project will cause the Well Rehabilitations (51-510-60-00-6022) expense line item to exceed budgeted amounts by approximately \$275,000. However, budgetary savings (due to the timing of expenses) for the Water Sourcing DWC, Water Tower Rehab and Cation Exchange Media Replacement projects is estimated at ~\$1M, which will more than offset the overage.

At this time, we recommend the acceptance of the bid and approval of award be made to Layne Christensen Company, 721 W. Illinois Ave., Aurora, IL 60506, in the amount of **\$359,721.00**. This bid amount is 1.36% above our engineer's estimate of \$354,793.25.

If you have any questions or require additional information, please let us know.

UNITED CITY OF YORKVILLE  
KENDALL COUNTY, ILLINOIS

"WATER WELL NO. 7 REHABILITATION"

BID TAB

ITEM NO.	ITEM	UNIT	QUANTITY	UNIT PRICE	AMOUNT
<b>BASE BID ITEMS</b>					
1	MOBILIZATION, INCLUDING PERFORMANCE AND PAYMENT BONDS	LS	1	\$ 9,300.00	\$ 9,300.00
2	REMOVE PUMPING ASSEMBLY, MOTOR, COLUMN PIPING AND APPURTENANCES FROM WELL & TRANSPORT TO SHOP FOR INSPECTION, IN ACCORDANCE WITH THE SPECIFICATIONS	LS	1	\$ 37,350.00	\$ 37,350.00
3	INSPECT PUMPING ASSEMBLY AND PREPARE MICROMETER REPORT; INSPECT SUBMERSIBLE MOTOR INCLUDING SEAL, OUTER CAN, BALANCE LINE, TERMINAL LEADS, ELECTRICAL CONNECTIONS, ETC.; INSPECT COLUMN PIPING, SURGE CONTROL CHECK VALVE, AND PREPARE COMPLETE INSPECTION REPORT, IN ACCORDANCE WITH THE SPECIFICATIONS	LS	1	\$ 7,576.00	\$ 7,576.00
4	HYPOT TEST THE EXISTING POWER CABLE, IN ACCORDANCE WITH THE SPECIFICATIONS	LS	1	\$ 1,300.00	\$ 1,300.00
5	CONDUCT TELEVISION SURVEY, IN ACCORDANCE WITH THE SPECIFICATIONS	LS	1	\$ 1,750.00	\$ 1,750.00
6	PERFORM BORE BLAST REHABILITATION OF WELL FORMATION, IN ACCORDANCE WITH THE SPECIFICATIONS	LF	160	\$ 85.00	\$ 13,600.00
7	PERFORM BAILING WITH RIG AND TWO-MAN CREW, IN ACCORDANCE WITH THE SPECIFICATIONS	HR	16	\$ 610.00	\$ 9,760.00
8	FURNISH NEW (SHOP-BUILT) BYRON JACKSON/FLOWSERVE PUMPING ASSEMBLY, IN ACCORDANCE WITH THE SPECIFICATIONS	EA	1	\$ 64,800.00	\$ 64,800.00
9	REHABILITATE EXISTING BYRON JACKSON/FLOWSERVE OIL FILLED MOTOR ASSEMBLY, IN ACCORDANCE WITH THE SPECIFICATIONS	EA	1	\$ 5,775.00	\$ 5,775.00
10	FURNISH PITLESS ADAPTER O-RINGS, IN ACCORDANCE WITH THE SPECIFICATIONS	EA	2	\$ 196.00	\$ 392.00
11	FURNISH 1-1/2" PVC CARRIER PIPE FOR LEVEL TRANSDUCER, IN ACCORDANCE WITH THE SPECIFICATIONS	LF	1,125	\$ 4.20	\$ 4,725.00
12	FURNISH NEW LEVEL TRANSDUCER, AS REQUIRED TO MEET THE APPROPRIATE DEPTH SETTING OF THE PUMP AND MOTOR, IN ACCORDANCE WITH THE SPECIFICATIONS	LS	1	\$ 9,500.00	\$ 9,500.00
13	FURNISH A NEW FLAT CABLE MOTOR ASSEMBLY AND BRONZE TERMINAL CLAMP, IN ACCORDANCE WITH THE SPECIFICATIONS	LS	1	\$ 6,900.00	\$ 6,900.00
14	REHABILITATE THE 10-INCH COLUMN PIPING, IN ACCORDANCE WITH THE SPECIFICATIONS	LF	640	\$ 33.00	\$ 21,120.00
15	FURNISH NEW 10-INCH COATED DISCHARGE COLUMN PIPING WITH THREADED COUPLINGS, SET SCREWS AND APPURTENANCES, AS REQUIRED FOR A COMPLETE ASSEMBLY IN ACCORDANCE WITH THE SPECIFICATIONS	LF	485	\$ 144.00	\$ 69,840.00
16	CUT AND RE-THREAD COLUMN PIPING JOINTS, IN ACCORDANCE WITH THE SPECIFICATIONS	EA	20	\$ 340.00	\$ 6,800.00
17	FURNISH NEW COLUMN PIPING COUPLINGS, IN ACCORDANCE WITH THE SPECIFICATIONS	EA	20	\$ 355.00	\$ 7,100.00
18	CHASING COLUMN PIPING JOINTS, IN ACCORDANCE WITH SPECIFICATIONS	EA	10	\$ 200.00	\$ 2,000.00
19	FACING COLUMN PIPING JOINTS, IN ACCORDANCE WITH SPECIFICATIONS	EA	10	\$ 200.00	\$ 2,000.00
20	FURNISH A 10" DIAMETER BY 2'-6" LONG STAINLESS STEEL PIPE WITH ENDS FOR CONNECTING BETWEEN PUMPING ASSEMBLY AND COLUMN PIPING, AS REQUIRED FOR A COMPLETE ASSEMBLY, IN ACCORDANCE WITH THE SPECIFICATIONS	LS	1	\$ 1,575.00	\$ 1,575.00
21	FURNISH DISCHARGE COLUMN SURGE CONTROL CHECK VALVE, IN ACCORDANCE WITH THE SPECIFICATIONS	EA	2	\$ 1,721.00	\$ 3,442.00
22	FURNISH STAINLESS STEEL BANDING, PIPE DOPE, PVC CENTERING GUIDES, TWO (2) AIRLINES, GAUGES, AND OTHER MISC. FITTINGS FOR COMPLETE INSTALLATION OF PUMP AND MOTOR ASSEMBLY, AND WELD COUPLING TO PITLESS ADAPTER FOR LEVEL TRANSDUCER INSTALLATION, IN ACCORDANCE WITH SPECIFICATIONS	LS	1	\$ 3,216.00	\$ 3,216.00
23	INSTALL THE PUMP AND MOTOR ASSEMBLY, COLUMN PIPING, DISCHARGE SURGE VALVES, POWER CABLE, TWO (2) AIRLINE WATER LEVEL INDICATORS, CARRIER PIPE FOR LEVEL TRANSDUCER, SUBMERSIBLE LEVEL TRANSDUCER, AND ALL ACCESSORIES COMPLETE IN PLACE AND IN OPERATING CONDITION, IN ACCORDANCE WITH THE SPECIFICATIONS	LS	1	\$ 44,400.00	\$ 44,400.00
24	CONDUCT PUMPING TEST, IN ACCORDANCE WITH THE SPECIFICATIONS	HR	4	\$ 1,300.00	\$ 5,200.00
25	PERFORM WELL DISINFECTION, IN ACCORDANCE WITH THE SPECIFICATIONS	EA	2	\$ 4,400.00	\$ 8,800.00
26	DEMOBILIZATION, INCLUDING SITE RESTORATION	LS	1	\$ 11,500.00	\$ 11,500.00
<b>TOTAL FOR ITEMS 1 THROUGH 26 AND TOTAL BASE BID FOR WELL NO. 7 REHABILITATION</b>					<b>\$ 359,721.00</b>

ITEM NO.	ITEM	UNIT	QUANTITY	UNIT PRICE	AMOUNT
<b>MANDATORY ALTERNATE BID ITEMS - WELL NO. 7 REHABILITATION</b>					
A	FURNISH AND APPLY SODIUM HYPOCHLORITE AND LAYNE OXIMATE – LIQUID FOR CHEMICAL TREATMENT OF WELL	LS	1	\$ 9,760.00	\$ 9,760.00
B	REHABILITATE EXISTING BYRON JACKSON/FLOWSERVE PUMPING ASSEMBLY, INCLUDING SANDBLASTING AND PAINTING THE PUMP, NEW WEAR RINGS AND BUSHINGS, NEW PUMP SHAFT, NEW SS INTAKE SCREEN, AND ZINC SLEEVE BANDING, IN ACCORDANCE WITH THE SPECIFICATIONS	EA	1	\$ 22,950.00	\$ 22,950.00
C	CONVERT EXISTING BYRON JACKSON/FLOWSERVE OIL FILLED TYPE H MOTOR ASSEMBLY TO DOUBLE MECHANICAL SEAL MOTOR AT BYRON JACKSON/FLOWSERVE FACILITY, IN ACCORDANCE WITH THE SPECIFICATIONS	EA	1	\$ 97,666.00	\$ 97,666.00
D	FURNISH A NEW BYRON JACKSON/FLOWSERVE DOUBLE MECHANICAL SEAL MOTOR ASSEMBLY WITH NEW FLAT POWER CABLE ASSEMBLY AND BRONZE TERMINAL CLAMP, IN ACCORDANCE WITH THE SPECIFICATIONS	EA	1	\$ 198,770.00	\$ 198,770.00
E	FURNISH NEW ZINC SLEEVE BANDING ON INSIDE AND OUTSIDE OF COLUMN PIPING, IN ACCORDANCE WITH THE SPECIFICATIONS	LS	1	\$ 23,520.00	\$ 23,520.00
F	FURNISH NEW POWER CABLE, AS REQUIRED TO MEET THE APPROPRIATE DEPTH SETTING OF THE PUMP AND MOTOR, IN ACCORDANCE WITH THE SPECIFICATIONS	LS	1	\$ 33,596.00	\$ 33,596.00
G	FURNISH NEW (FACTORY-BUILT) BYRON JACKSON/FLOWSERVE PUMPING ASSEMBLY, IN ACCORDANCE WITH THE SPECIFICATIONS	EA	1	\$ 59,700.00	\$ 59,700.00



Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input checked="" type="checkbox"/>
Engineer	<input checked="" type="checkbox"/>
City Administrator	<input checked="" type="checkbox"/>
Community Development	<input type="checkbox"/>
Purchasing	<input type="checkbox"/>
Police	<input type="checkbox"/>
Public Works	<input checked="" type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #6

Tracking Number

PW 2023-06

### Agenda Item Summary Memo

**Title:** 2022 Road to Better Roads Program - MFT

**Meeting and Date:** Public Works Committee – January 17, 2023

**Synopsis:** Recommendation to Approve Request for Change in Plans

and Final Payment Estimate

#### Council Action Previously Taken:

Date of Action: \_\_\_\_\_ Action Taken: \_\_\_\_\_

Item Number: \_\_\_\_\_

**Type of Vote Required:** Majority

**Council Action Requested:** Approval of Request for Change in Plans and Final Payment

Estimate

**Submitted by:** Brad Sanderson Engineering  
Name Department

#### Agenda Item Notes:

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*Have a question or comment about this agenda item?*

Call us Monday-Friday, 8:00am to 4:30pm at 630-553-4350, email us at [agendas@yorkville.il.us](mailto:agendas@yorkville.il.us), post at [www.facebook.com/CityofYorkville](https://www.facebook.com/CityofYorkville), tweet us at @CityofYorkville, and/or contact any of your elected officials at <http://www.yorkville.il.us/320/City-Council>



# Memorandum

To: Bart Olson, City Administrator  
From: Brad Sanderson, EEI  
CC: Eric Dhuse, Director of Public Works  
Rob Fredrickson, Finance Director  
Jori Behland, City Clerk

Date: December 22, 2022  
Subject: 2022 Roads to Better Roads - MFT

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The 2022 Roads to Better Roads Program was awarded to Geneva Construction Company, P.O. Box 998 Aurora, IL 60507 at total awarded value of \$1,409,944.25. The project is now complete and accepted.

The project came in \$37,818.97 under budget for a Final Construction Cost of \$1,372,125.28. Due to the use of Motor Fuel Tax Funds, the Request for Change in Plans and Engineer's Final Payment Estimate needs to be approved by IDOT before final payment can be made.

We recommend that the City approve of the Request for Change in Plans and Engineer's Final Payment Estimate.

If you have any questions or require additional information, please let us know.





# Request for Approval of Change of Plans



Local Public Agency	County	Route	Section Number
United City of Yorkville	Kendall	Various Local Roads	22-00000-00-GM
Request Number	<input checked="" type="checkbox"/> Final		
1	Contractor		
Geneva Construction Co.			
Address	City	State	Zip Code
P.O. Box 998	Aurora	IL	60507
Date			
12/22/22			

I recommend that this Deduction be made from the above contract.

The estimated quantities are shown below and the contractor agrees to furnish the materials and do the work at the unit prices.

Item Description	Unit of Measure	Quantity	Unit Price	Addition (A) or Deduction (D)	Total Addition	Total Deduction
SUPPLEMENTAL WATERING	UNIT	16	\$1.000	D	\$0.00	\$16.00
BITUMINOUS MATERIALS (TACK COAT)	LB	13886	\$0.010	D	\$0.00	\$138.86
HMA SURFACE REMOVAL - BUTT JOINT	SQ YD	0.9	\$10.000	A	\$9.00	\$0.00
HMA BINDER COURSE, IL-9.5, N50	TON	87.52	\$75.000	D	\$0.00	\$6,564.00
HMA SURFACE COURSE, IL-9.5, MIX "D", N50	TON	477.8	\$75.000	A	\$35,835.00	\$0.00
SIDEWALK REMOVAL	SQ FT	1430	\$1.300	D	\$0.00	\$1,859.00
PCC SIDEWALK 5 INCH	SQ FT	1864	\$7.200	D	\$0.00	\$13,420.80
DETECTABLE WARNINGS	SQ FT	35	\$30.000	A	\$1,050.00	\$0.00
COMB CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FT	43.4	\$38.000	D	\$0.00	\$1,649.20
HMA SURFACE REMOVAL, 3"	SQ YD	150.7	\$2.750	A	\$414.43	\$0.00
HMA SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	845.8	\$2.350	D	\$0.00	\$1,987.63
CLASS D PATCHES, TYPE III, 3 INCH	SQ YD	371	\$30.500	D	\$0.00	\$11,315.50
CLASS D PATCHES, TYPE IV, 3 INCH	SQ YD	664	\$26.600	D	\$0.00	\$17,662.40
CRACK ROUTING (PAVEMENT)	FT	2429	\$0.020	D	\$0.00	\$48.58
ROUTING AND SEALING CRACKS	FT	253	\$0.480	D	\$0.00	\$121.44
MANHOLES TO BE ADJUSTED	EA	2	\$550.000	D	\$0.00	\$1,100.00
INLETS TO BE ADJUSTED	EA	8	\$350.000	D	\$0.00	\$2,800.00
SANITARY MANHOLES TO BE ADJUSTED	EA	3	\$1,350.000	D	\$0.00	\$4,050.00
VALVE BOXES TO BE ADJUSTED	EA	1	\$270.000	D	\$0.00	\$270.00
B-BOX TO BE ADJUSTED	EA	1	\$150.000	D	\$0.00	\$150.00

Item Description	Unit of Measure	Quantity	Unit Price	Addition (A) or Deduction (D)	Total Addition	Total Deduction
TYPE 1 FRAM AND GRATE, OPEN LID	EA	1	\$400.000	D	\$0.00	\$400.00
TYPE 6 FRAME AND GRATE	EA	20	\$900.000	D	\$0.00	\$18,000.00
THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	126	\$5.000	A	\$630.00	\$0.00
THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FT	6841	\$0.600	A	\$4,104.60	\$0.00
THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FT	708	\$0.850	D	\$0.00	\$601.80
THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FT	55	\$1.200	D	\$0.00	\$66.00
THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FT	860	\$2.000	A	\$1,720.00	\$0.00
THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FT	226	\$4.500	D	\$0.00	\$1,017.00
SODDING, SPECIAL	SQ YD	108	\$14.850	D	\$0.00	\$1,603.80
PCC DRIVEWAY REMOVAL AND REPLACEMENT	SQ YD	59.5	\$80.000	A	\$4,760.00	\$0.00
HMA DRIVEWAY REMOVAL AND REPLACEMENT	SQ YD	46.5	\$42.000	D	\$0.00	\$1,953.00
BIKE PATH REMOVAL	SQ FT	50.5	\$1.300	D	\$0.00	\$65.65
HMA BIKE PATH REMOVAL AND REPLACEMENT	SQ YD	10.2	\$31.000	D	\$0.00	\$316.20
DETECTOR LOOP REPLACEMENT	FT	27	\$20.490	D	\$0.00	\$553.23
EMULSIFIED MALTENE-BASED REJUVENATOR	SQ YD	341	\$1.010	D	\$0.00	\$344.41
6" PCC PAVEMENT REMOVAL	SQ YD	99	\$12.000	A	\$1,188.00	\$0.00
4" AGGREGATE BASE COURSE	SQ YD	99	\$5.500	A	\$544.50	\$0.00
Total Changes					\$50,255.53	\$88,074.50

Add Row

Total Net Change	(\$37,818.97)
Amount of Original Contract	\$1,409,944.25
Amount of Previous Change Orders	\$0.00
Amount of adjusted/final contract	\$1,372,125.28

Total net deduction to date (\$37,818.97) which is -2.68% of the contract price.

State fully the nature and reason for the change

See attached

When the net increase or decrease in the cost of the contract is \$10,000.00 or more, or the time of completion is increased or decreased by 30 days or more, one of the following statements must be checked:

- ☐ The Local Public Agency has determined that the circumstances which necessitate this change were not reasonably foreseeable at the time the contract was signed.
- ☒ The Local Public Agency has determined that the change is germane to the original contract as signed.
- ☐ The Local Public Agency has determined that this change is in the best interest of the Local Public Agency and is authorized by law.

Prepared By

Quentin Tiscareno

Title of Preparer

Project Engineer

Submitted/Approved

Local Public Agency

Date

BY:

Title: Mayor

For a Road District project County Engineer signature required.

County Engineer/Superintendent of Highways

Date

Approved:

Illinois Department of Transportation

Regional Engineer

Date

UNITED CITY OF YORKVILLE  
2022 MFT (ROADS TO BETTER ROADS PROGRAM)  
SECTION 22-00000-00-GM  
BLR 13210 SUPPLEMENT  
EXPLANATION OF PAY ITEM CHANGES IN EXCESS OF \$10,000

**HOT-MIX ASPHALT SURFACE COURSE, IL-9.5., MIX "D", N50 (477.8 TONS ADDED AT \$75.00/TON = \$35,835.00)**

This item was increased due to surface course thickness being an average of 1.61 inches. This change reflects actual delivered tonnages.

**PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (1,864 SQ FT DEDUCTED AT \$7.20/SQ FT = \$13,420.80)**

This item was reduced in quantity due to existing field conditions.

**CLASS D PATCHES, TYPE III, 3-INCH (371 SQ YD DEDUCTED AT \$30.50/SQ YD = \$11,315.50)**

This item was reduced in quantity due to existing field conditions.

**CLASS D PATCHES, TYPE IV, 3-INCH (664 SQ YD DEDUCTED AT \$26.60/SQ YD = \$17,662.40)**

This item was reduced in quantity due to existing field conditions.

**TYPE 6 FRAME AND GRATE (20 EA DEDUCTED AT \$900/EA = \$18,000.00)**

This item was reduced in quantity due to existing field conditions.

**AUP #1 - PORTLAND CEMENT CONCRETE PAVEMENT REMOVAL, 6 INCH (99 SQ YD ADDED AT \$12.00/SQ YD = \$1,188.00)**

This item was added due to the condition of the existing concrete apron at the intersection of Prairie Pointe Drive and Crimson Lane. The existing apron was beyond repair and the City decided to remove the apron and put asphalt down instead.

**AUP #2 - AGGREGATE BASE COURSE, 4 INCH (99 SQ YD ADDED AT \$5.50/SQ YD = \$544.50)**

This item was added due to the condition of the existing concrete apron at the intersection of Prairie Pointe Drive and Crimson Lane. The existing apron was beyond repair and the City decided to remove the apron and put asphalt down instead.



# GENEVA CONSTRUCTION COMPANY

INDIAN TRAIL and Route 25 \* P.O. Box 998 - AURORA, ILLINOIS 60507

Phone: (630) 892-4357 - Fax: (630) 892-7738

\* CITY OF YORKVILLE

DATE 4/22/2022

## YORKVILLE 2022 ROAD PROGRAM

We propose to furnish the following described construction, including all labor, materials and equipment according to standard construction practices.

QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL
<b>AUP REQUEST</b>				
99 SY		6" PCC PAVEMENT REMOVAL	\$12.00	\$1,188.00
99 SY		4" AGGREGATE BASE COURSE	\$5.50	\$544.50

**TOTAL \$1,732.50**

**NOTES:** If accepted, this work will not be scheduled for construction until one signed copy of the proposal has been received at our office.

\* For information regarding scheduling of construction, please contact our Paving Department at (630) 892-4357.

**TERMS:** Final settlement will be based upon actual units of work completed at the bid price per unit.

\* This proposal is subject to the terms, specifications and conditions of sale printed on the second page of this proposal hereof, which are made a part of this proposal.

\* This proposal is made in DUPLICATE and will constitute a binding agreement providing it is accepted within 60 days from date hereof.

The above proposal is accepted:

GENEVA CONSTRUCTION COMPANY  
Cass W. Price, Vice President

Name, Title, Date



## GENEVA CONSTRUCTION COMPANY

INDIAN TRAIL and Route 25 \* P.O. Box 998 - AURORA, ILLINOIS 60507

Phone: (630) 892-4357 - Fax: (630) 892-7738

### CONDITIONS OF SALE

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Wherever, under this contract, construction by this contractor is required to be placed over or effected by work performed by others, the GENEVA CONSTRUCTION COMPANY assumes no responsibility for the adequacy or dependability of this work.

Wherever alterations or the intent of the plans and specifications of this project vary from this proposal or original plans and specifications the Buyer agrees to fully reimburse the GENEVA CONSTRUCTION COMPANY for the cost incurred in connection with such changes including punitive costs or damages incurred as the result thereof.

The deliverance and ability of the GENEVA CONSTRUCTION COMPANY to perform the intent of this proposal is subject to strikes, acts of GOD, warfare, vandalism, government laws and regulations, availability of materials and conditions beyond the control of the GENEVA CONSTRUCTION COMPANY.

This quotation is subject to correction of clerical errors.

If the Purchaser's form of purchase order accompanies this contract, all terms or conditions of such purchase order inconsistent with this proposal are null and void unless specifically waived in writing by the GENEVA CONSTRUCTION COMPANY.

The Purchaser agrees to make payment to the GENEVA CONSTRUCTION COMPANY in accordance with the terms specified herein. If any delinquent sums are to be collected by suit or demand of an attorney or collection agency or other, then the Purchaser agrees to pay all costs incurred by the GENEVA CONSTRUCTION COMPANY as a result thereof.

Interest to accrue on unpaid balance at the rate of 1 1/2% per month after 30 days from the date of invoice, unless agreed to in writing.

Unless specifically noted, all prices **exclude** all excavation within 0.1' of proposed subgrade, layout, testing, backfill, landscape restoration, traffic control, remobilization, binder repair, winter protection, permits, bonds, and fees.





## Engineer's Payment Estimate



Local Public Agency

County

Route(s) (Street/Road)

Section Number

Estimate 5

United City of Yorkville

Kendall

Various Local Roads

22-00000-00-GM

☒ Final

Payable to Name

Geneva Construction Co.

Address

Date From

Date To

P.O. Box 998, Aurora, IL 60507

10/27/22

Pay Items	Unit of Meas.	Awarded		Approved Change in Plans		Completed to Date		
		Quantity	Values	Added	Deducted	Quantity	Unit Price	Value
SUPPLEMENTAL WATERING	UNIT	16	\$16.00		16	0	\$1.0000	
BITUMINOUS MATERIALS (TACK COAT)	LB	42743	\$427.43		13886	28857	\$0.0100	\$288.57
HMA SURFACE REMOVAL - BUTT JOINT	SQ YD	480	\$4,800.00		0.9	480.9	\$10.0000	\$4,809.00
HMA BINDER COURSE, IL-9.5, N50	TON	5318	\$398,850.00		87.52	5230.48	\$75.0000	\$392,286.00
HMA SURFACE COURSE, IL-9.5, MIX "D", N50	TON	5318	\$398,850.00	477.8		5795.8	\$75.0000	\$434,685.00
SIDEWALK REMOVAL	SQ FT	8110	\$10,543.00		1430	6680	\$1.3000	\$8,684.00
PCC SIDEWALK 5 INCH	SQ FT	8465	\$60,948.00		1864	6601	\$7.2000	\$47,527.20
DETECTABLE WARNINGS	SQ FT	490	\$14,700.00	35		525	\$30.0000	\$15,750.00
COMB CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FT	2275	\$86,450.00		43.4	2231.6	\$38.0000	\$84,800.80
HMA SURFACE REMOVAL, 3"	SQ YD	2200	\$6,050.00	150.7		2350.7	\$2.7500	\$6,464.43
HMA SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	61020	\$143,397.00		845.8	60174.2	\$2.3500	\$141,409.37
CLASS D PATCHES, TYPE III, 3 INCH	SQ YD	371	\$11,315.50		371	0	\$30.5000	
CLASS D PATCHES, TYPE IV, 3 INCH	SQ YD	664	\$17,662.40		664	0	\$26.6000	
CRACK ROUTING (PAVEMENT)	FT	60000	\$1,200.00		2429	57571	\$0.0200	\$1,151.42

Local Public Agency

County

Route(s) (Street/Road)

Section Number

United City of Yorkville

Kendall

Various Local Roads

22-00000-00-GM

Pay Items	Meas.	Quantity	Values	Added	Deducted	Quantity	Unit Price	Value
CRACK FILLING	LB	20000	\$26,400.00			20000	\$1.3200	\$26,400.00
ROUTING AND SEALING CRACKS	FT	31684	\$15,208.32		253	31431	\$0.4800	\$15,086.88
MANHOLES TO BE ADJUSTED	EA	6	\$3,300.00		2	4	\$550.0000	\$2,200.00
INLETS TO BE ADJUSTED	EA	54	\$18,900.00		8	46	\$350.0000	\$16,100.00
SANITARY MANHOLES TO BE ADJUSTED	EA	4	\$5,400.00		3	1	\$1,350.0000	\$1,350.00
SANITARY MANHOLE RECONSTRUCTION	EA	1	\$2,050.00			1	\$2,050.0000	\$2,050.00
VALVE BOXES TO BE ADJUSTED	EA	1	\$270.00		1	0	\$270.0000	
B-BOX TO BE ADJUSTED	EA	4	\$600.00		1	3	\$150.0000	\$450.00
TYPE 1 FRAME AND GRATE, OPEN LID	EA	1	\$400.00		1	0	\$400.0000	
TYPE 6 FRAME AND GRATE	EA	22	\$19,800.00		20	2	\$900.0000	\$1,800.00
TYPE 11 FRAME AND GRATE	EA	1	\$520.00			1	\$520.0000	\$520.00
THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1687	\$8,435.00	126		1813	\$5.0000	\$9,065.00
THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FT	53832	\$32,299.20	6841		60673	\$0.6000	\$36,403.80
THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FT	11778	\$10,011.30		708	11070	\$0.8500	\$9,409.50
THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FT	423	\$507.60		55	368	\$1.2000	\$441.60
THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FT	3031	\$6,062.00	860		3891	\$2.0000	\$7,782.00
THERMOPLASTIC								



Local Public Agency			County		Route(s) (Street/Road)		Section Number		
United City of Yorkville			Kendall		Various Local Roads		22-00000-00-GM		
PAVEMENT MARKING - LINE 24"	FT	794	\$3,573.00			226	568	\$4.5000	\$2,556.00
RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EA	110	\$1,100.00				110	\$10.0000	\$1,100.00
SODDING, SPECIAL	SQ YD	1243	\$18,458.55			108	1135	\$14.8500	\$16,854.75
PCC DRIVEWAY REMOVAL AND REPLACEMENT	SQ YD	12	\$960.00	59.5			71.5	\$80.0000	\$5,720.00
HMA DRIVEWAY REMOVAL AND REPLACEMENT	SQ YD	83	\$3,486.00			46.5	36.5	\$42.0000	\$1,533.00
BIKE PATH REMOVAL	SQ FT	420	\$546.00			50.5	369.5	\$1.3000	\$480.35
HMA BIKE PATH REMOVAL AND REPLACEMENT	SQ YD	79	\$2,449.00			10.2	68.8	\$31.0000	\$2,132.80
DETECTOR LOOP REPLACEMENT	FT	175	\$3,585.75			27	148	\$20.4900	\$3,032.52
TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	\$10,500.00				1	\$10,500.0000	\$10,500.00
EMULSIFIED MALTENE-BASED REJUVENATOR	SQ YD	59320	\$59,913.20			341	58979	\$1.0100	\$59,568.79
Total			\$1,409,944.25	Total					\$1,370,392.78
Miscellaneous Extras and Credits					Values				
6" PCC PAVEMENT REMOVAL (99 SY @ \$12.00/SY)					\$1,188.00				
4" AGGREGATE BASE COURSE (99 SY @ \$5.50/SY)					\$544.50				
				Total Miscellaneous Extras and Credits			\$1,732.50		
				Total Value of Completed Work			\$1,372,125.28		
				Deduct Retainage					
				Balance Due of Completed Work			\$1,372,125.28		
Miscellaneous Debits					Values				

Local Public Agency

County

Route(s) (Street/Road)

Section Number

United City of Yorkville

Kendall

Various Local Roads

22-00000-00-GM

Total Miscellaneous Debits	
Net Cost of Section	\$1,372,125.28
Previous Payments	\$1,337,822.15
Net Amount Due	\$34,303.13

- ☐ The Local Public Agency (LPA) certifies that the above pay estimate quantities do not require submission to the Department of Transportation of a Change in Plans (BLR 13210).
- ☒ The LPA certifies that a Change in Plans (BLR 13210) has been submitted to, and approved by the Department of Transportation as required for the above quantities.
- ☐ The LPA is under agreements of understanding and has completed the required paperwork and documentation, with submissions made per the agreement.

Local Public Agency

United City of Yorkville

County

Kendall

Route(s) (Street/Road)

Various Local Roads

Section Number

22-00000-00-GM

Resident Engineer

Date

Prepared by

Title

Quentin Tiscareno

Project Engineer

Local Agency

Date

Approved

Regional Engineer

Date



Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input checked="" type="checkbox"/>
Engineer	<input checked="" type="checkbox"/>
City Administrator	<input checked="" type="checkbox"/>
Community Development	<input type="checkbox"/>
Purchasing	<input type="checkbox"/>
Police	<input type="checkbox"/>
Public Works	<input checked="" type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #7

Tracking Number

PW 2023-07

### Agenda Item Summary Memo

**Title:** 2023 RTBR Update

**Meeting and Date:** Public Works Committee – January 17, 2023

**Synopsis:** Program Updates

#### Council Action Previously Taken:

Date of Action: \_\_\_\_\_ Action Taken: \_\_\_\_\_

Item Number: \_\_\_\_\_

**Type of Vote Required:** Majority

**Council Action Requested:** Approval

**Submitted by:** Brad Sanderson Engineering  
Name Department

#### Agenda Item Notes:

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# Memorandum

To: Bart Olson, City Administrator  
From: Brad Sanderson, EEI  
Eric Dhuse, Director of Public Works  
CC: Jori Behland, City Clerk  
Rob Fredrickson, Finance Director

Date: January 11, 2023  
Subject: 2023 RTBR Project Amendment

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## **Background**

In September 2022 the City Council approved the list of streets planned for the 2023 RTBR program as noted in the attached exhibit.

## **Discussion**

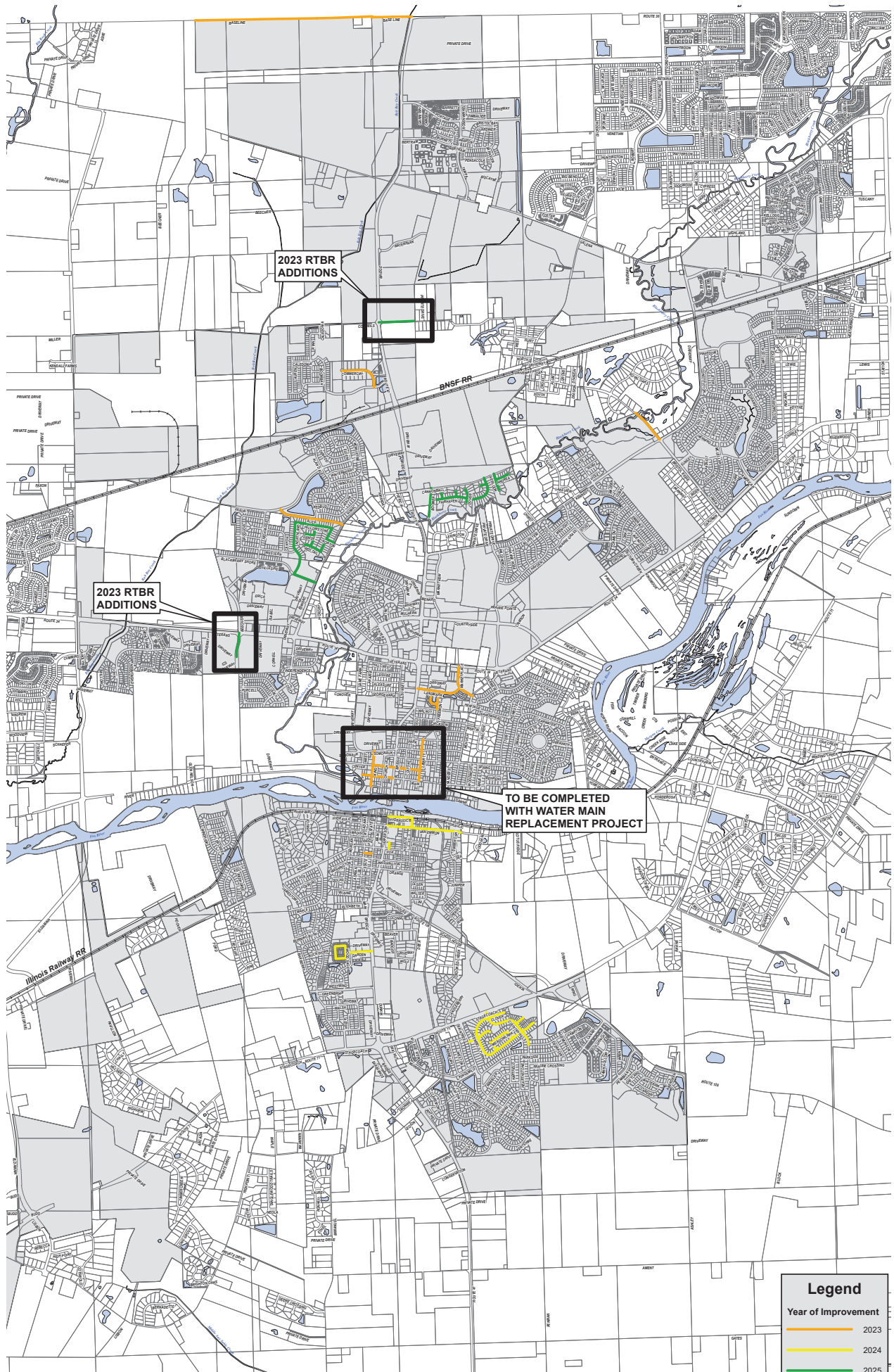
With the comments from IDNR on the Lake Michigan Allocation Application, the City is considering adding a 2<sup>nd</sup> water main replacement contract to be constructed in later 2023. The areas suggested for the 2<sup>nd</sup> water main contract are in the same areas as what was planned for a portion of the 2023 RTBR program.

Due to the overlapping of projects, we are suggesting that some of the roadwork will now be part of the water main replacement project. Since water funds will be used to fund a portion of these projects, we are estimating additional streets could be added.

Therefore, in summary, all streets noted within the approved program in September 2022 will be completed as part of the RTBR or Water Main Replacement projects. In addition, we are recommending adding Corneils and Beecher into the program. These roads were originally planned for 2025, however due to their location and cost, they fit well into the current program.

## **Action Requested:**

General concurrence on the amended project.



**Legend**

Year of Improvement

- 2023
- 2024
- 2025



Reviewed By:	
Legal	<input checked="" type="checkbox"/>
Finance	<input type="checkbox"/>
Engineer	<input type="checkbox"/>
City Administrator	<input checked="" type="checkbox"/>
Community Development	<input type="checkbox"/>
Purchasing	<input type="checkbox"/>
Police	<input type="checkbox"/>
Public Works	<input checked="" type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #8

Tracking Number

PW 2023-08

### Agenda Item Summary Memo

**Title:** Public Works Vehicle and Equipment 5-Year Capital Plan

**Meeting and Date:** Public Works Committee – January 17, 2023

**Synopsis:** \_\_\_\_\_  
\_\_\_\_\_

### Council Action Previously Taken:

Date of Action: \_\_\_\_\_ Action Taken: \_\_\_\_\_

Item Number: \_\_\_\_\_

**Type of Vote Required:** None

**Council Action Requested:** Informational  
\_\_\_\_\_

**Submitted by:** Bart Olson Administration  
Name Department

### Agenda Item Notes:

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## Public Works Vehicle and Equipment 5-Year Capital Plan

<u>FY 2023</u>	<u>Est. Price</u>
Single Axle Dump carry over from 22	\$236,000
Bucket Truck Carry over from FY22	\$230,000
<b>Carry over costs</b>	<b>\$466,000</b>
Single Axle Dump Truck	\$285,000
Director Truck	\$19,000
Utility Vehicle	\$15,000
Ditch Mowing Tractor	\$83,000
Buildings and Grounds Pickup	\$56,000
<b>Proposed new expenses in FY 2023</b>	<b>\$458,000</b>
	<b>\$924,000</b>

<u>FY 2024</u>	<u>Price</u>
Tandem axle dump truck w/wing	\$350,000
One ton dump truck	\$70,000
One ton dump truck	\$70,000
Boom Mower	\$35,000
Mini Loader	\$120,000
Street Sweeper	\$350,000
Leaf Vac	\$150,000
<b>Proposed expenses in FY 2024</b>	<b>\$1,145,000</b>

### Water Department Vehicle Replacement

Transit Van	\$40,000
Transit Van	\$40,000
Director Truck 1/3	\$19,000

**Proposed new expenses in FY 23      \$99,000**

### Water Department Vehicle Replacement

None Proposed at this time

### Sewer Department Vehicle Replacment

**Crane truck carry over      \$100,000**

Director Truck 1/3	\$19,000
3/4 ton pickup truck	\$56,000

**Proposed new expenses in FY 2023      \$75,000**

### Sewer Department Vehicle Replacment

None Proposed at this time

### Sale of Equipment

Sale of Vehicles	\$16,000
Ford F150	\$4,000
Mowing Tractor (trade in)	\$24,000

**Income from sale of vehicles      \$44,000**

### Sale of Equipment

Tandem axle dump truck	TBD
One ton dump truck	TBD
One ton dump truck	TBD
Mower	TBD
Skid Steer	TBD



## Public Works Vehicle and Equipment 5-Year Capital Plan

<u>FY 2025</u>	<u>Price</u>	<u>FY 2026</u>	<u>Price</u>
Tandem Axle Dump	\$325,000	Single Axle Dump	\$300,000
Backhoe	\$175,000	Tandem Axle Dump	\$350,000
Mower	\$12,500		

Proposed expenses in FY 2025      \$512,500

Proposed expenses in FY 2026      \$650,000

### Water Department Vehicle Replacement

None Proposed at this time

### Water Department Vehicle Replacement

3/4 ton crew cab pickup with plow      **\$63,000**

### Sewer Department Vehicle Replacement

3/4 ton crew cab pickup with plow      **\$60,000**

### Sewer Department Vehicle Replacement

Vacuum Truck      **\$450,000**

### Sale of Equipment

Tandem Axle Dump	TBD
Backhoe	TBD
Mower	TBD

### Sale of Equipment

Tandem axle dump truck	TBD
Single Axle Dump	TBD
Vacuum Truck	TBD

## Public Works Vehicle and Equipment 5-Year Capital Plan

<u>FY 2027</u>	<u>Price</u>
Single Axle Dump Truck	\$315,000
Single Axle Dump Truck	\$315,000
Mower	\$15,000
1 Ton Pickup	\$62,500

<u>FY 2028</u>	<u>Price</u>
Single Axle Dump Truck	\$335,000
Trackless/Ventrac type tractor	\$200,000

Proposed expenses in FY 2027      \$707,500

Proposed expenses in FY 2028      \$535,000

### Water Department Vehicle Replacement

None Proposed at this time

### Water Department Vehicle Replacement

1 Ton Utility Truck (2)      **\$140,000**

### Sewer Department Vehicle Replacement

One Ton Pickup      **\$65,000**

### Sewer Department Vehicle Replacement

None Proposed at this time

### Sale of Equipment

Single Axle Dump	TBD
Single Axle Dump	TBD
One Ton Pickup	TBD

### Sale of Equipment

1 Ton Utility Truck (2)	TBD
Single Axle Dump Truck	TBD
	TBD

## PW Vehicles and Equipment

Number	Year	Make	Model	Vin	Value	Plate	Vehicle #	Department
1	2001	Aluma Ltd	Trailer	IYGUS18281B001671	\$ 700			PW
2	2003	Haulmark	Trailer	16HCB12153H112082	\$ 2,200			STREETS
3	1998	Cronkhite	Trailer - 2 axel 16x7	473271926W1101575	\$ 3,000	M091254		STREETS
4	2006	F550	Aerial Lift Truck	1FSAF57P56EC54524	\$ 69,270	M161896	Y26	STREETS
5	2008	Ford	F150	1FTRF14W98KD16085	\$ 17,225	M168863	Y5	WATER
6	2007	Ford	F250	1FTNF21587EA47543	\$ 30,000	M160751	Y25	STREETS
7	2003	Ford	F350	1FTSF31SX3EA32518	\$ 35,000	M139290	Y8	WATER
8	2008	Ford	F350	1FDWF37Y08ED57176	\$ 23,000	M168872	Y4	STREETS
9	2005	Freightliner	Truck - HC80	1FVAB6BV75DN04463	\$ 143,900	M151796	Y21	STREETS
10	2008	International	Dump Truck	1HTWDAAN48J648495	\$ 99,666	M170535	Y13	STREETS
11	2006	International	Truck	1HTWDAAN46J218804	\$ 89,068	M156008	Y23	STREETS
12	2007	International	Truck - 7400	1HTWDAAR37J429772	\$ 87,825	M161895	Y27	STREETS
13	2007	International	Truck - 7400	1HTWDAAR17J429771	\$ 87,825	M161894	Y28	STREETS
14	2008	International	Truck - 7400	1HTWHAAR78J648496	\$ 110,814	M170083	Y9	STREETS
15	2004	Mac Lander	Trailer	4UVPF202X41005505	\$ 2,000	M095484		STREETS
16	1998	Towmaster	Trailer - Single axel 12'	4KNTT1412WL160456	\$ 2,000			STREETS
17	2004	International	Dump Truck	1HTWDAAR74J083169	\$ 72,000	M143323	Y10	STREETS
18	2006	International	Dump Truck	1HTWHAAR36J218803	\$ 45,525	M156007	Y22	STREETS
19	2005	Ford	F350	1FDWF37Y25EC37004	\$ 54,841	M149884	Y20	SEWER
20	2015	Peterbilt	Vac Con	2NP3LJOX8FM266717	\$ 377,229	M200121	Y2	SEWER
21	2016	Peterbilt	348	2NP3LJ0X9GM361854	\$ 170,000	M208199	Y11	STREETS
22	2016	Ford	F350	1FDRF3H68GED40778	\$ 28,689	M210871	Y3	STREETS
23	2016	Ford	F350	1FDRF3H6XGED40779	\$ 28,689	M210857	Y6	STREETS
24	2017	Ford	F150	1FTEW1CF8HFA76567	\$ 24,156	M211311	Y15	WATER
25	2018	Ford	F150	1FTEX1CB2JKE60822	\$ 24,895	M218135	Y12	WATER
26	2019	Ford	Super Duty F-250	1FTBF2B61KED14170	\$ 36,275	M219175	Y16	STREETS
27	2021	Ford	F350 Utility	1FDRF3862MED05707	\$ 55,000		Y1	WATER
28	2021	Ford	F350 Utility	1FD8F2B66MED05706	\$ 55,000	M137295	Y7	WATER
29	2022	Intersate	SI 820 TA@XLT	1UK500J23P1	\$ 9,725			WATER
30	2022	Ford	F-350	1FTRF3B6XNEF30950	\$ 49,000			WATER
31	2022	Ford	F-350	1FTRF3B63NEF20949	\$ 49,000			WATER

32	2022	Ford	F-350 with plow		\$	65,000	STREETS
33	2022	Ford	F-350 with plow		\$	65,000	STREETS
34	2007	Caterpillar	Backhoe - 420E	W01344	\$	76,000	PW
35	2004	Tarco	Leaf Vacuum - M02-4-04 (Tarrant)	XX-8174	\$	90,000	PW
36	2020	Bobcat	S76	B4CD11787	\$	68,000	PW
37	2008	John Deere	3320 / Utility Tractor	140285	\$	15,000	PW
38	2022	John Deere	6120E Tractor with loader	21438	\$	85,000	STR
39	2013	Bushwacker	ST120 pull behind mower	13ST120-1320-20001	\$	12,000	STR
40	2013	Toro	74267 Z Master	313000181	\$	13,000	PW
41	2013	Bomag	BW120AD	8618600181798q	\$	28,000	STR
42	2015	Taceuchi	T8 Skid Steer	200801830	\$	66,000	PW
43	2019		10,000 gal. liquid storage tank		\$	11,000	PW
44	2017	Henderson	Xtreme brine maker		\$	40,000	PW
45	2020	Toro	Ground Mower	40357590	\$	53,000	PW
46	2020	Toro	Z Master Mower	407414378	\$	10,500	PW
47	2021	John Deere	6044R Loader and Snow Blade	1LV4066RCMM103836	\$	45,477	PW
48	2021	SALT DOGG	2yd stainless steel salt spreader (3)		\$	22,500	PW
49	2022	CATERPILLAR	930M WHEEL LOADER	CAT0930MEF5K02207	\$	225,000	PW
50	2022	JOHN DEERE	4066R TRACTOR	1LV4066RCMM103836	\$	50,000	PW
51		Bobcat	Grader	633	\$	6,250	PW
52			Pressure Washer		\$	5,000	PW
53		Harley	Power Box Rake T-6	6YA018	\$	5,000	PW
54	1999	Alamo	SHD88 Mower	16069	\$	4,100	PW
55		Honda	M-50 Generator	107913	\$	1,500	PW
56		Honda	3" Trash Pump WT30X	537860	\$	1,500	PW
57	1992	Dynapac	LF140 Compactor	400013	\$	1,800	PW
58		Mueller	Tapping Machine (x2)		\$	5,000	PW
59			Valve Operator		\$	2,500	PW
60	1998	Landa	#7-00033 Pressure Washer	555111	\$	2,500	PW
61		Campbell/Hausefield	Air Compressor #C1103120HB	2-00028	\$	1,500	PW
62		Miller	Millermatic 250X Welder	082627	\$	2,000	PW
63	1989	Homelite	3" Trash Pump RTP3	510033	\$	1,000	PW
64		American	Air Compressor	L6560V	\$	1,000	PW
65			Flatbed Wagon		\$	1,000	PW

66	Stihl	Chainsaw (x4)		\$	3,000	PW
67	Boss	RT3 Straight Blade Snow Plow (x8)	8'6"	\$	30,400	PW
68	Woods Gill	GHT60 Rototiller	626830	\$	1,800	PW
69	Cosmo	S-500U Fertilizer Spreader	601257	\$	600	PW
70	Massey Ferguson	MF1026 Snow Plow	000209	\$	2,000	PW
71	Bobcat	Breaker B950	012164	\$	7,000	PW
72	Bobcat	Pallet Forks	712927	\$	600	PW
73	Bobcat	74" Tooth Bucket	731421	\$	1,000	PW
74	Bobcat	74" Utility Bucket	732305	\$	700	PW
75	Bluebird	S22 Seeder (S22H5DA)	329413	\$	1,400	PW
76	Lincoln	Arc Welder AC-225	9422-604	\$	400	PW
77	Tru-Drill	Press #921F	9082	\$	400	PW
78	Boss	RT3 Straight Blade Snow Plow (x1)	7'6"	\$	3,600	PW
79	Honda	3" Trash Pump WT30X	846493	\$	1,500	PW
80	Woods Gill	Aerator PL72	890308	\$	1,600	PW
81	Huskey	Plow/Rake		\$	500	PW
82	Stihl	Cut Off Saws (x3)		\$	3,200	PW
83	Stihl	Extend Chain Saw HT75		\$	700	PW
84	Master Heater	150,000 BTU 29456	007401	\$	400	PW
85	Monroe	Snow Plow - 11' MP41R11-ISCT-MB1	03-05-1262	\$	4,000	PW
86	Monroe	Salt Spreader - RTS3645-6-OW	03-05-3113	\$	2,200	PW
87	Monroe	Snow Plow - 11' MP41R11-ISCT-MB1	02-04-1116	\$	4,000	PW
88	Monroe	Salt Spreader - RTS8637-OW1G	02-04-3163	\$	2,200	PW
89	Monroe	Snow Plow - 11' MP41R11-ISCT-MB1	03-11-1716	\$	4,000	PW
90	Monroe	Salt Spreader - RTS3645-6-OW	03-11-3481	\$	2,200	PW
91	Monroe	Snow Plow - 11' MP41R12-ISCT-MB1	05-04-1064	\$	4,000	PW
92	Monroe	Salt Spreader		\$	2,200	PW
93	Monroe	Sand/Rock Spreader #MS10318	05-05-3151	\$	3,700	PW
94	Monroe	Snow Plow - 11' MP41R11-ISCT-MB1	05-05-1088	\$	4,000	PW
95	Monroe	Salt Spreader RTS3645-6-RFMS	05-10-3482	\$	2,200	PW
96	Monroe	Snow Plow - 11' MP41R11-ISCT-MB1	06-07-1260	\$	4,000	PW
97	Monroe	Salt Spreader - RTS3645-6-RFMS	06-06-3206	\$	2,200	PW
98	Monroe	Snow Plow - 11' MP41R11-ISCT-MB1	06-07-1259	\$	4,000	PW
99	Monroe	Salt Spreader - RTS3645-6-RFMS	06-06-3207	\$	2,200	PW

100	1992		Saw - Concrete (2)		\$	1,600	PW
101		Graco	Lazer Line F06A / 248862	BA1937	\$	4,500	PW
102			Miscellaneous Equipment & Hand Tools for Public Works		\$	10,000	PW
103		Walk Behind Saw	Norton	PC13	\$	1,500	PW
104	2013	Hammer Drill	Metabo	KHE54/06061420	\$	1,500	PW
105	2012	Finish Mower	Woods Turf Batwing	9130 Rd-2 / 1168547	\$	8,000	PW
106	2013	Toro Z589 60" mower	74254	280000112	\$	9,589	PW
107	2015	Kubota	RCK60P	16185	\$	7,520	PW
108	2015	Bobcat angle broom	84	Serial # 231419844	\$	6,250	PW
109	2015	Bobcat snow pusher	94	Serial # A01502197	\$	2,500	PW
110	2016	Boss	8'-6" snow plow (10)		\$	75,082	PW
111	2015	Kubota	724 XKW zero turn mower	10705	\$	6,500	PW
112	2014		3000 gallon liquid storage tank		\$	4,000	PW
113	2014		6000 gallon liquid storage tank		\$	7,500	PW
114	2015	Henderson	Wedge truck tanks for brine		\$	4,100	PW
115	2015	Henderson	Wedge truck tanks for brine		\$	4,100	PW
116	2015	Henderson	Wedge truck tanks for brine		\$	4,100	PW
117	2015	Henderson	Wedge truck tanks for brine		\$	4,100	PW
118	2015	Henderson	Wedge truck tanks for brine		\$	4,100	PW
119	2015	Henderson	Wedge truck tanks for brine		\$	4,100	PW
120	2015	Henderson	Wedge truck tanks for brine		\$	4,100	PW
121	2016	Henderson	2yd stainless steel salt spreader		\$	5,557	PW
122	2016	Henderson	2yd stainless steel salt spreader		\$	5,557	PW
123	2019	Radars Speed Signs (6)			\$	12,000	PW
124	2019	Boss	9'-0" snow plow		\$	5,500	PW
125	2019	Tommy Gate	Pickup Truck lift gate		\$	4,400	PW
126	2019		Salt Spread for Skid Steer		\$	1,800	PW
127			Misc. power tools	includes string trimmers, snow blowers, blowers	\$	10,000	PW

**Grand Total \$ 3,293,099**



Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input checked="" type="checkbox"/>
Engineer	<input checked="" type="checkbox"/>
City Administrator	<input checked="" type="checkbox"/>
Community Development	<input type="checkbox"/>
Purchasing	<input type="checkbox"/>
Police	<input type="checkbox"/>
Public Works	<input checked="" type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #9

Tracking Number

PW 2023-09

### Agenda Item Summary Memo

**Title:** 2023 Water Main Replacement – Contract B Design Engineering Agreement

**Meeting and Date:** Public Works Committee – January 17, 2023

**Synopsis:** Please see attached memo.

### Council Action Previously Taken:

Date of Action: \_\_\_\_\_ Action Taken: \_\_\_\_\_

Item Number: \_\_\_\_\_

**Type of Vote Required:** Majority

**Council Action Requested:** Approval

**Submitted by:** Bart Olson Administration  
Name Department

### Agenda Item Notes:

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# Memorandum

To: City Council  
From: Bart Olson, City Administrator  
CC:  
Date: October 13, 2022  
Subject: RTBR 2023 – design engineering

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## **Summary**

Consideration of a design engineering agreement with EEI for Phase II of the 2023 RTBR program, related to the Lake Michigan water source project's watermain replacement schedule.

## **Background**

This item was last discussed by the City Council at the January 10<sup>th</sup> City Council meeting, when the Council heard a presentation from City Engineer Brad Sanderson about the status of the Lake Michigan water allocation permit and outcome that the City will need to accelerate and add to its planned watermain replacement program. Prior to that meeting, the City Council approved an RTBR schedule for Summer 2023 in September 2022 and then a design engineering contract for that project in October 2022.

In accordance with the presentation at the January 10<sup>th</sup> City Council meeting, EEI has prepared a design engineering contract for this supplemental annual program. The contract contains a fixed fee in the amount of \$131,051 with direct expenses estimated at \$8,445 for an estimated grand total of \$139,496. In order to bid the work out this year and get it completed on our Lake Michigan permit timeline, this design engineering agreement needs to be approved as soon as possible.

## **Recommendation**

Staff recommends approval of the design engineering agreement with EEI Phase II of the 2023 RTBR program, related to the Lake Michigan water source project's watermain replacement schedule.

**2023 Water Main Replacement – Contract B**  
**United City of Yorkville**  
**Professional Services Agreement - Design Engineering**

THIS AGREEMENT, by and between the United City of Yorkville, hereinafter referred to as the "City" or "OWNER" and Engineering Enterprises, Inc. hereinafter referred to as the "Contractor" or "ENGINEER" agrees as follows:

**A. Services:**

ENGINEER agrees to furnish to the City the following services: The ENGINEER shall provide any and all necessary engineering services to the City as indicated on the Scope of Services (Attachment B). Design engineering will be provided for approximately 4,700 linear feet of water main improvements on Pleasure Drive, Center Street, Main Street, and Colton Street. (see Attachment E for project limits). Engineering will be in accordance with all City, Standard Specifications for Water and Sewer Construction in Illinois, Illinois Department of Transportation, and Illinois Environmental Protection Agency requirements.

**B. Term:**

Services will be provided beginning on the date of execution of this agreement and continuing, until terminated by either party upon 7 days written notice to the non-terminating party or upon completion of the Services. Upon termination the ENGINEER shall be compensated for all work performed for the City prior to termination.

**C. Compensation and maximum amounts due to ENGINEER:**

ENGINEER shall receive as compensation for all work and services to be performed herein, an amount based on the Estimate of Level of Effort and Associated Cost included in Attachment C. Design Engineering will be paid for as a Fixed Fee (FF) in the amount of \$131,051. Direct expenses are estimated at \$8,445. The hourly rates for this project are shown in the attached 2022 Standard Schedule of Charges (Attachment F). All payments will be made according to the Illinois State Prompt Payment Act and not less than once every thirty days.

**D. Changes in Rates of Compensation:**

In the event that this contract is designated in Section B hereof as an Ongoing Contract, ENGINEER, on or before February 1st of any given year, shall provide written notice of any change in the rates specified in Section C hereof (or on any attachments hereto) and said changes shall only be effective on and after May 1st of that same year.

**E. Ownership of Records and Documents:**

ENGINEER agrees that all books and records and other recorded information developed specifically in connection with this agreement shall remain the property of the City. ENGINEER agrees to keep such information confidential and not to disclose or disseminate the information to third parties without the consent of the City. This confidentiality shall not apply to material or information, which would otherwise be subject to public disclosure through the freedom of information act or if already previously disclosed by a third party. Upon termination of this agreement, ENGINEER agrees to return all such materials to the City. The City agrees not to modify any original documents produced by ENGINEER without contractors consent. Modifications of any signed duplicate original document not authorized by ENGINEER will be at OWNER's sole risk and without legal liability to the ENGINEER. Use of any incomplete, unsigned document will, likewise, be at the OWNER's sole risk and without legal liability to the ENGINEER.

**F. Governing Law:**

This contract shall be governed and construed in accordance with the laws of the State of Illinois. Venue shall be in Kendall County, Illinois.

**G. Independent Contractor:**

ENGINEER shall have sole control over the manner and means of providing the work and services performed under this agreement. The City's relationship to the ENGINEER under this agreement shall be that of an independent contractor. ENGINEER will not be considered an employee to the City for any purpose.

**H. Certifications:**

**Employment Status:** The Contractor certifies that if any of its personnel are an employee of the State of Illinois, they have permission from their employer to perform the service.

**Anti-Bribery:** The Contractor certifies it is not barred under 30 Illinois Compiled Statutes 500/50-5(a) - (d) from contracting as a result of a conviction for or admission of bribery or attempted bribery of an officer or employee of the State of Illinois or any other state.

**Loan Default:** If the Contractor is an individual, the Contractor certifies that he/she is not in default for a period of six months or more in an amount of \$600 or more on the repayment of any educational loan guaranteed by the Illinois State Scholarship Commission made by an Illinois institution of higher education or any other loan made from public funds for the purpose of financing higher education (5 ILCS 385/3).

**Felony Certification:** The Contractor certifies that it is not barred pursuant to 30 Illinois Compiled Statutes 500/50-10 from conducting business with the State of Illinois or any agency as a result of being convicted of a felony.

**Barred from Contracting:** The Contractor certifies that it has not been barred from contracting as a result of a conviction for bid-rigging or bid rotating under 720 Illinois Compiled Statutes 5/33E or similar law of another state.

**Drug Free Workplace:** The Contractor certifies that it is in compliance with the Drug Free Workplace Act (30 Illinois Compiled Statutes 580) as of the effective date of this contract. The Drug Free Workplace Act requires, in part, that Contractors, with 25 or more employees certify and agree to take steps to ensure a drug free workplace by informing employees of the dangers of drug abuse, of the availability of any treatment or assistance program, of prohibited activities and of sanctions that will be imposed for violations; and that individuals with contracts certify that they will not engage in the manufacture, distribution, dispensation, possession, or use of a controlled substance in the performance of the contract.

**Non-Discrimination, Certification, and Equal Employment Opportunity:** The Contractor agrees to comply with applicable provisions of the Illinois Human Rights Act (775 Illinois Compiled Statutes 5), the U.S. Civil Rights Act, the Americans with Disabilities Act, Section 504 of the U.S. Rehabilitation Act and the rules applicable to each. The equal opportunity clause of Section 750.10 of the Illinois Department of Human Rights Rules is specifically incorporated herein. The Contractor shall comply with Executive Order 11246, entitled Equal Employment Opportunity, as amended by Executive Order 11375, and as supplemented by U.S. Department of Labor regulations (41 C.F.R. Chapter 60). The Contractor agrees to incorporate this clause into all subcontracts under this Contract.

**International Boycott:** The Contractor certifies that neither it nor any substantially owned affiliated company is participating or shall participate in an international boycott in violation of the provisions of the U.S. Export Administration Act of 1979 or the regulations of the U.S. Department of Commerce promulgated under that Act (30 ILCS 582).

**Record Retention and Audits:** If 30 Illinois Compiled Statutes 500/20-65 requires the Contractor (and any subcontractors) to maintain, for a period of 3 years after the later of the date of completion of this Contract or the date of final payment under the Contract, all books and records relating to the performance of the Contract and necessary to support amounts charged to the City under the Contract. The Contract and all books and records related to the Contract shall be available for review and audit by the City and the Illinois Auditor General. If this Contract is funded from contract/grant funds provided by the U.S. Government, the Contract, books, and records shall be available for review and audit by the Comptroller General of the U.S. and/or the Inspector General of the federal

sponsoring agency. The Contractor agrees to cooperate fully with any audit and to provide full access to all relevant materials.

United States Resident Certification: (This certification must be included in all contracts involving personal services by non-resident aliens and foreign entities in accordance with requirements imposed by the Internal Revenue Services for withholding and reporting federal income taxes.) The Contractor certifies that he/she is a:  x  United States Citizen   Resident Alien   Non-Resident Alien The Internal Revenue Service requires that taxes be withheld on payments made to non resident aliens for the performance of personal services at the rate of 30%.

Tax Payer Certification : Under penalties of perjury, the Contractor certifies that its Federal Tax Payer Identification Number or Social Security Number is (provided separately) and is doing business as a (check one):   Individual   Real Estate Agent   Sole Proprietorship   Government Entity   Partnership   Tax Exempt Organization (IRC 501(a) only)  x  Corporation   Not for Profit Corporation   Trust or Estate   Medical and Health Care Services Provider Corp.

#### I. Indemnification:

ENGINEER shall indemnify and hold harmless the City and City's agents, servants, and employees against all loss, damage, and expense which it may sustain or for which it will become liable on account of injury to or death of persons, or on account of damage to or destruction of property resulting from the performance of work under this agreement by ENGINEER or its Subcontractors, or due to or arising in any manner from the wrongful act or negligence of ENGINEER or its Subcontractors of any employee of any of them. In the event that the either party shall bring any suit, cause of action or counterclaim against the other party, the non-prevailing party shall pay to the prevailing party the cost and expenses incurred to answer and/or defend such action, including reasonable attorney fees and court costs. In no event shall the either party indemnify any other party for the consequences of that party's negligence, including failure to follow the ENGINEER's recommendations.

#### J. Insurance:

The ENGINEER agrees that it has either attached a copy of all required insurance certificates or that said insurance is not required due to the nature and extent of the types of services rendered hereunder. (Not applicable as having been previously supplied)

#### K. Additional Terms or Modification:

The terms of this agreement shall be further modified as provided on the attachments. Except for those terms included on the attachments, no additional terms are included as a part of this agreement. All prior understandings and agreements between the parties are merged into this agreement, and this agreement may not be modified orally or in any

*2023 Water Main Replacement – Contract B  
United City of Yorkville  
Professional Services Agreement  
Design Engineering*

manner other than by an agreement in writing signed by both parties. In the event that any provisions of this agreement shall be held to be invalid or unenforceable, the remaining provisions shall be valid and binding on the parties. The list of exhibits is as follows:

<b>Attachment A:</b>	Standard Terms and Conditions
<b>Attachment B:</b>	Scope of Services
<b>Attachment C:</b>	Estimate of Level of Effort and Associated Cost
<b>Attachment D:</b>	Estimated Schedule
<b>Attachment E:</b>	Location Map
<b>Attachment F:</b>	2022 Standard Schedule of Charges

L. Notices:

All notices required to be given under the terms of this agreement shall be given mail, addressed to the parties as follows:

For the City:

City Administrator and City Clerk  
United City of Yorkville  
800 Game Farm Road  
Yorkville, IL 60560

For the ENGINEER:

Engineering Enterprises, Inc.  
52 Wheeler Road  
Sugar Grove Illinois 60554

Either of the parties may designate in writing from time to time substitute addresses or persons in connection with required notices.

Agreed to this \_\_\_\_ day of \_\_\_\_\_, 2023.

United City of Yorkville:

Engineering Enterprises, Inc.:

---

John Purcell  
Mayor

---

Brad Sanderson, PE  
Chief Operating Officer / President

---

Jori Behland  
City Clerk

---

Angie Smith  
Executive Assistant

## STANDARD TERMS AND CONDITIONS

**Agreement:** These Standard Terms and Conditions, together with the Professional Services Agreement, constitute the entire integrated agreement between the OWNER and Engineering Enterprises, Inc. (EEI) (hereinafter “Agreement”), and take precedence over any other provisions between the Parties. These terms may be amended, but only if both parties consent in writing.

**Standard of Care:** In providing services under this Agreement, the ENGINEER will endeavor to perform in a matter consistent with that degree of care and skill ordinarily exercised by members of the same profession currently practicing under same circumstances in the same locality. ENGINEER makes no other warranties, express or implied, written or oral under this Agreement or otherwise, in connection with ENGINEER’S service.

**Construction Engineering and Inspection:** The ENGINEER shall not supervise, direct, control, or have authority over any contractor work, nor have authority over or be responsible for the means, methods, techniques sequences, or procedures of construction selected or used by any contractor, or the safety precautions and programs incident thereto, for security or safety of the site, nor for any failure of a contractor to comply with laws and regulations applicable to such contractor’s furnishing and performing of its work.

The ENGINEER neither guarantees the performance of any contractor nor assumes responsibility for contractor’s failure to furnish and perform the work in accordance with the contract documents.

The ENGINEER is not responsible for the acts or omissions of any contractor, subcontractor, or supplies, or any of their agents or employees or any other person at the site or otherwise furnishing or performing any work.

Shop drawing and submittal review by the ENGINEER shall apply to only the items in the submissions and only for the purpose of assessing if upon installation or incorporation in the project work they are generally consistent with the construction documents. OWNER agrees that the contractor is solely responsible for the submissions and for compliance with the construction documents. OWNER further agrees that the ENGINEER’S review and action in relation to these submissions shall not constitute the provision of means, methods, techniques, sequencing or procedures of construction or extend or safety programs or precautions. The ENGINEER’S consideration of a component does not constitute acceptance of the assembled items.

The ENGINEER’S site observation during construction shall be at the times agreed upon in the Project Scope. Through standard, reasonable means the ENGINEER will become generally familiar with observable completed work. If the ENGINEER observes completed work that is inconsistent with the construction documents, that information shall be communicated to the contractor and OWNER for them to address.



**Opinion of Probable Construction Costs:** ENGINEER'S opinion of probable construction costs represents ENGINEER'S best and reasonable judgment as a professional engineer. OWNER acknowledges that ENGINEER has no control over construction costs of contractor's methods of determining pricing, or over competitive bidding by contractors, or of market conditions or changes thereto. ENGINEER cannot and does not guarantee that proposals, bids or actual construction costs will not vary from ENGINEER'S opinion of probable construction costs.

**Copies of Documents & Electronic Compatibility:** Copies of Documents that may be relied upon by OWNER are limited to the printed copies (also known as hard copies) that are signed or sealed by the ENGINEER. Files in electronic media format of text, data, graphics, or of other types that are furnished by ENGINEER to OWNER are only for convenience of OWNER. Any conclusion or information obtained or derived from such electronic files will be at the user's sole risk. When transferring documents in electronic media format, ENGINEER makes no representations as to long term compatibility, usability, or readability of documents resulting from the use of software application packages, operating systems, or computer hardware differing from those used by ENGINEER at the beginning of the project.

**Changed Conditions:** If, during the term of this Agreement, circumstances or conditions that were not originally contemplated by or known to the ENGINEER are revealed, to the extent that they affect the scope of services, compensation, schedule, allocation of risks, or other material terms of this Agreement, the ENGINEER may call for renegotiation of appropriate portions of this Agreement. The ENGINEER shall notify the OWNER of the changed conditions necessitating renegotiation, and the ENGINEER and the OWNER shall promptly and in good faith enter into renegotiation of this Agreement to address the changed conditions. If terms cannot be agreed to, the parties agree that either party has the absolute right to terminate this Agreement, in accordance with the termination provision hereof.

**Hazardous Conditions:** OWNER represents to ENGINEER that to the best of its knowledge no Hazardous Conditions (environmental or otherwise) exist on the project site. If a Hazardous Condition is encountered or alleged, ENGINEER shall have the obligation to notify OWNER and, to the extent of applicable Laws and Regulations, appropriate governmental officials. It is acknowledged by both parties that ENGINEER's scope of services does not include any services related to a Hazardous Condition. In the event ENGINEER or any other party encounters a Hazardous Condition, ENGINEER may, at its option and without liability for consequential or any other damages, suspend performance of services on the portion of the project affected thereby until OWNER: (i) retains appropriate specialist consultant(s) or contractor(s) to identify and, as appropriate, abate, remediate, or remove the Hazardous Condition; and (ii) warrants that the project site is in full compliance with applicable Laws and Regulations.

**Consequential Damages:** Notwithstanding any other provision of this Agreement, and to the fullest extent permitted by law, neither the OWNER nor the ENGINEER, their respective officers, directors, partners, employees, contractors, or subcontractors shall be liable to the other or shall make any claim for any incidental, indirect, or consequential damages arising out of or

connected in any way to the Project or to this Agreement. This mutual waiver of consequential damages shall include, but is not limited to, loss of use, loss of profit, loss of business, loss of income, loss of reputation, or any other consequential damages that either party may have incurred from any cause of action including negligence, strict liability, breach of contract, and breach of strict or implied warranty. Both the OWNER and the ENGINEER shall require similar waivers of consequential damages protecting all the entities or persons named herein in all contracts and subcontracts with others involved in this project.

**Termination:** This Agreement may be terminated for convenience, without cause, upon fourteen (14) days written notice of either party. In the event of termination, the ENGINEER shall prepare a final invoice and be due compensation as set forth in the Professional Services Agreement for all costs incurred through the date of termination.

Either party may terminate this Agreement for cause upon giving the other party not less than seven (7) calendar days' written notice for the following reasons:

- (a) Substantial failure by the other party to comply with or perform in accordance with the terms of the Agreement and through no fault of the terminating party;
- (b) Assignment of the Agreement or transfer of the project without the prior written consent of the other party;
- (c) Suspension of the project or the ENGINEER'S services by the OWNER for a period of greater than ninety (90) calendar days, consecutive or in the aggregate.
- (d) Material changes in the conditions under which this Agreement was entered into, the scope of services or the nature of the project, and the failure of the parties to reach agreement on the compensation and schedule adjustments necessitated by such changes.

**Third Party Beneficiaries:** Nothing contained in this Agreement shall create a contractual relationship with or a cause of action in favor of a third party against either the OWNER or the ENGINEER. The ENGINEER'S services under this Agreement are being performed solely and exclusively for the OWNER'S benefit, and no other party or entity shall have any claim against the ENGINEER because of this Agreement or the performance or nonperformance of services hereunder. The OWNER and ENGINEER agree to require a similar provision in all contracts with contractors, subcontractors, vendors and other entities involved in this Project to carry out the intent of this provision.

**Force Majeure:** Each Party shall be excused from the performance of its obligations under this Agreement to the extent that such performance is prevented by force majeure (defined below) and the nonperforming party promptly provides notice of such prevention to the other party. Such excuse shall be continued so long as the condition constituting force majeure continues. The party affected by such force majeure also shall notify the other party of the anticipated duration of such force majeure, any actions being taken to avoid or minimize its effect after such occurrence, and shall take reasonable efforts to remove the condition constituting such force majeure. For purposes of this Agreement, "force majeure" shall include

conditions beyond the control of the parties, including an act of God, acts of terrorism, voluntary or involuntary compliance with any regulation, law or order of any government, war, acts of war (whether war be declared or not), labor strike or lock-out, civil commotion, epidemic, failure or default of public utilities or common carriers, destruction of production facilities or materials by fire, earthquake, storm or like catastrophe. The payment of invoices due and owing hereunder shall in no event be delayed by the payer because of a force majeure affecting the payer.

**Additional Terms or Modification:** All prior understandings and agreements between the parties are merged into this Agreement, and this Agreement may not be modified orally or in any manner other than by an Agreement in writing signed by both parties. In the event that any provisions of this Agreement shall be held to be invalid or unenforceable, the remaining provisions shall be valid and binding on the parties.

**Assignment:** Neither party to this Agreement shall transfer or assign any rights or duties under or interest in this Agreement without the prior written consent of the other party. Subcontracting normally contemplated by the ENGINEER shall not be considered an assignment for purposes of this Agreement.

**Waiver:** A party's waiver of, or the failure or delay in enforcing any provision of this Agreement shall not constitute a waiver of the provision, nor shall it affect the enforceability of that provision or of the remainder of this Agreement.

**Attorney's Fees:** In the event of any action or proceeding brought by either party against the other under this Agreement, the prevailing party shall be entitled to recover from the other all costs and expenses including without limitation the reasonable fees of its attorneys in such action or proceeding, including costs of appeal, if any, in such amount as the Court may adjudge reasonable.

**Headings:** The headings used in this Agreement are inserted only as a matter of convenience only, and in no way define, limit, enlarge, modify, explain or define the text thereof nor affect the construction or interpretation of this Agreement.

**2023 Water Main Replacement – Contract B  
United City of Yorkville, IL  
Professional Services Agreement - Design Engineering**

**Attachment B – Scope of Services**

**DESIGN ENGINEERING**

**2.1 Project Management and Administration**

- Budget Tracking
- Management of Personnel and the Engineering Contract
- Coordination with the City and Other Regulatory Agencies (IEPA)
- Coordination with Bristol Township
- Coordination with IDOT

**2.2 Project Meetings**

- Project Kick-Off Meeting Between the City and EEI
- One (1) Design Progress Meeting Between the City and, EEI prior to Bidding
- One (1) Design Meeting Between the City, Bristol Township, and EEI prior to Bidding.

**2.3 Topographic Survey**

- Field Survey
- Drafting to Create Base File

**2.4 Utility Coordination**

- Design JULIE
- Plan Submission and Coordinate with Private Utilities

**2.5 Final Plans, Specifications and Estimates**

- Preparation of 60%, 90%, and 100% Engineering Plans
- Preparation of 90% and 100% Project Manual and Engineer's Opinion of Probable Construction Cost. Project Manual Shall Include Bidding and Contract Documents, General Conditions, and Special Provisions.

**2.6 Permits**

- Prepare IEPA Documentation for CCDD Management of Soils
- Prepare IEPA Construction Permit Application and Acquire Permit
- Coordinate IDOT Permit if Necessary

**2.7 Bidding and Contracting**

- Prepare Bidders List and Ad for Bid
- Submit Ad for Bid to the Local Paper and Post Bidding Documents on QuestCDN
- Address Bid Questions and Prepare Addenda
- Attend Bid Opening
- Prepare Bid Tab, Bid Summary, and Recommendation of Award
- Execute Contract Documents

**ATTACHMENT C: ESTIMATE OF LEVEL OF EFFORT AND ASSOCIATED COST  
PROFESSIONAL ENGINEERING SERVICES**

<b>CLIENT</b>		
United City of Yorkville		
<b>PROJECT TITLE</b>		<b>PREPARED BY</b>
2023 Water Main Replacement - Contract B		KDW

TASK NO.	TASK DESCRIPTION	ROLE	PIC	PM	SPE 2	PE	SPM	SPT 2	ST	PM	SPT 1	ADMIN		HOURS	COST
		RATE	\$228	\$194	\$183	\$154	\$216	\$159	\$129	\$159	\$149	\$70			
PROJECT ADMINISTRATION															
2.1	Project Management and Administration		4	34	14	-	-	-	-	-	-	-		52	\$ 10,070
2.2	Project Meetings		3	3	12	-	-	-	-	-	-	-		18	\$ 3,462
2.3	Topographic Survey		-	-	-	-	27	78	27	-	-	-		132	\$ 21,717
2.4	Utility Coordination		-	-	3	12	-	-	-	-	-	-		15	\$ 2,397
2.5	Final Plans, Specifications, and Estimates		8	52	160	90	-	-	-	50	140	-		500	\$ 83,862
2.6	Permits		-	6	11	-	-	-	-	-	-	-		17	\$ 3,177
2.7	Bidding and Contracting		2	11	10	9	-	-	-	-	-	8		40	\$ 6,366
Insert Task Subtotal:			17	106	210	111	27	78	27	50	140	8	-	774	\$ 131,051
PROJECT TOTAL:			17	106	210	111	27	78	27	50	140	8	-	774	131,051

<b>DIRECT EXPENSES</b>	
Mileage =	\$ 125
Printing =	\$ 320
Material Testing =	\$ -
Environmental Assessment =	\$ 8,000
<b>DIRECT EXPENSES =</b>	<b>\$ 8,445</b>

<b>LABOR SUMMARY</b>	
EEI Labor Expenses =	\$ 131,051
<b>TOTAL LABOR EXPENSES</b>	<b>\$ 131,051</b>

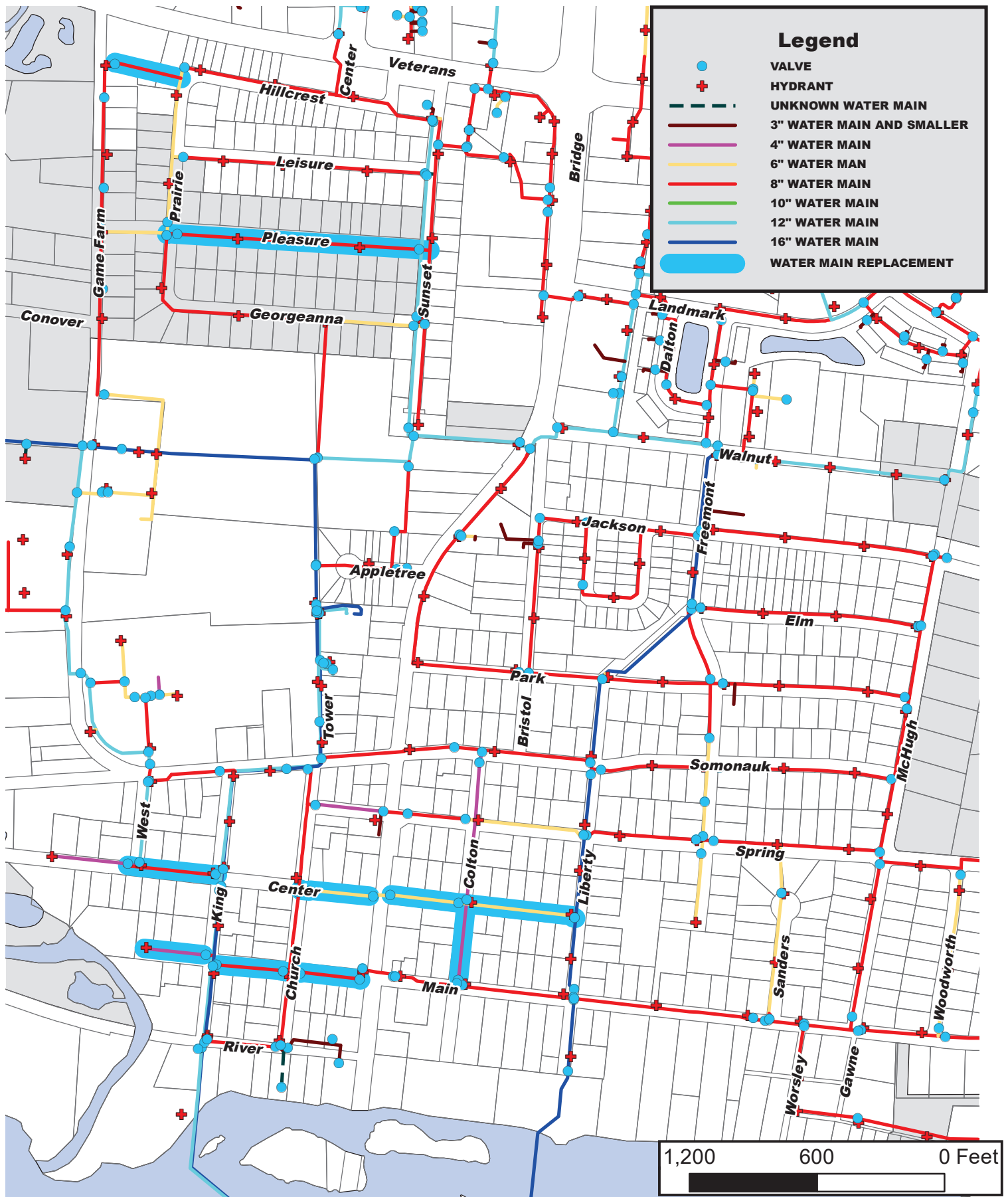
<b>TOTAL COSTS</b>	<b>\$ 139,496</b>
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## ATTACHMENT D: ESTIMATED SCHEDULE

CLIENT										PROJECT NUMBER					
United City of Yorkville										YO2256-P					
PROJECT TITLE										DATE		PREPARED BY			
2023 Water Main Replacement - Contract B										1/5/23		KDW			
TASK NO.	TASK DESCRIPTION														
		2023													
		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC		
PROJECT ADMINISTRATION															
2.1	Project Management and Administration														
2.2	Project Meetings														
2.3	Topographic Survey														
2.4	Utility Coordination														
2.5	Final Plans, Specifications, and Estimates														
2.6	Permits														
2.7	Bidding and Contracting														





# Engineering Enterprises, Inc.

52 Wheeler Road  
Sugar Grove, Illinois 60554  
(630) 466-6700  
www.eeiweb.com

DATE: JANUARY 2023  
PROJECT NO.: YO2217  
BY: MJT  
PATH: H:\GIS\PUBLIC\YORKVILLE\2022\  
FILE: YO2217\_Attachment E 2023.MXD

## ATTACHMENT E LOCATION MAP







## Standard Schedule of Charges

January 1, 2022

EMPLOYEE DESIGNATION	CLASSIFICATION	HOURLY RATE
Senior Principal	E-4	\$228.00
Principal	E-3	\$223.00
Senior Project Manager	E-2	\$216.00
Project Manager	E-1	\$194.00
Senior Project Engineer/Planner/Surveyor II	P-6	\$183.00
Senior Project Engineer/Planner/Surveyor I	P-5	\$170.00
Project Engineer/Planner/Surveyor	P-4	\$154.00
Senior Engineer/Planner/Surveyor	P-3	\$142.00
Engineer/Planner/Surveyor	P-2	\$129.00
Associate Engineer/Planner/Surveyor	P-1	\$116.00
Senior Project Technician II	T-6	\$159.00
Senior Project Technician I	T-5	\$149.00
Project Technician	T-4	\$139.00
Senior Technician	T-3	\$129.00
Technician	T-2	\$116.00
Associate Technician	T-1	\$102.00
GIS Technician	G-1	\$105.00
Engineering/Land Surveying Intern	I-1	\$ 79.00
Administrative Assistant	A-3	\$ 70.00

### VEHICLES, REPROGRAPHICS, DIRECT COSTS, DRONE AND EXPERT TESTIMONY

Vehicle for Construction Observation		\$ 15.00
In-House Scanning and Reproduction	\$0.25/Sq. Ft. (Black & White)	
	\$1.00/Sq. Ft. (Color)	
Reimbursable Expenses (Direct Costs)	Cost	
Services by Others (Direct Costs)	Cost + 10%	
Unmanned Aircraft System / Unmanned Aerial Vehicle / Drone		\$ 206.00
Expert Testimony		\$ 258.00



Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input checked="" type="checkbox"/>
Engineer	<input checked="" type="checkbox"/>
City Administrator	<input checked="" type="checkbox"/>
Community Development	<input type="checkbox"/>
Purchasing	<input type="checkbox"/>
Police	<input type="checkbox"/>
Public Works	<input checked="" type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #10

Tracking Number

PW 2023-10

### Agenda Item Summary Memo

**Title:** BrightFarms – Plat of Dedication and Grant of Easements

**Meeting and Date:** Public Works Committee – January 17, 2023

**Synopsis:** Plat of Dedication and Grant of Easements

### Council Action Previously Taken:

Date of Action: \_\_\_\_\_ Action Taken: \_\_\_\_\_

Item Number: \_\_\_\_\_

**Type of Vote Required:** Majority

**Council Action Requested:** Approval

**Submitted by:** Brad Sanderson Engineering  
Name Department

### Agenda Item Notes:

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# Memorandum

To: Bart Olson, City Administrator  
From: Brad Sanderson, EEI  
CC: Eric Dhuse, Director of Public Works  
Jori Behland, City Clerk  
Rob Fredrickson, Finance Director

Date: January 10, 2023  
Subject: BrightFarms - Plat of Dedication and Grant of Easements

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As part of the development process, the City is requesting dedication of right-of-way along Corneils Road. The attached plat of dedication has been reviewed and found to be acceptable. We are recommending that the City Council consider approval.

In addition, there are several easements that are required as part of the development. The attached grant of easement document has also been reviewed and found to be acceptable. We are recommending that the City Council consider approval.

If you have any questions or require additional information, please let us know.

OWNER'S CERTIFICATE

STATE OF ILLINOIS }  
COUNTY OF }  
THIS IS TO CERTIFY THAT \_\_\_\_\_ AS THE FEE SIMPLE OWNER OF  
THE UNDERLYING PROPERTY SHOWN HEREON, DOES HEREBY GRANT CONVEY  
AND DEDICATES THE PROPERTY DESCRIBED HEREIN TO THE UNITED CITY OF  
YORKVILLE, KENDALL COUNTY, ILLINOIS, FOR THE PURPOSE OF A PUBLIC  
ROADWAY AND UTILITIES.

DATED AT \_\_\_\_\_, ILLINOIS,  
THIS \_\_\_\_ DAY OF \_\_\_\_\_, A.D. 20\_\_\_\_

BY: \_\_\_\_\_  
(print owners name)

NOTARY PUBLIC

STATE OF ILLINOIS }  
COUNTY OF }  
I, \_\_\_\_\_, A NOTARY PUBLIC IN AND FOR THE COUNTY  
AND STATE AFORESAID, DO HEREBY CERTIFY THAT  
PERSON WHOSE NAME IS SUBSCRIBED TO THE FOREGOING INSTRUMENT  
APPEARED BEFORE ME THIS DAY IN PERSON AND ACKNOWLEDGED THAT HE  
SIGNED THIS PLAT OF DEDICATION AS HIS FREE AND VOLUNTARY ACT FOR THE  
USES AND PURPOSES THEREIN SET FORTH.  
GIVEN UNDER MY HAND AND NOTARIAL SEAL  
THIS \_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_  
NOTARY PUBLIC  
MY COMMISSION EXPIRES: \_\_\_\_\_

COUNTY CLERK'S CERTIFICATE

STATE OF ILLINOIS }  
COUNTY OF KENDALL }  
I, \_\_\_\_\_, COUNTY CLERK OF KENDALL COUNTY,  
ILLINOIS, DO HEREBY CERTIFY THAT THERE ARE NO DELINQUENT GENERAL  
TAXES, NO UNPAID CURRENT TAXES, NO UNPAID FORFEITED TAXES, AND NO  
REDEEMABLE TAX SALES AGAINST ANY OF THE LAND INCLUDED IN THE PLAT  
HEREIN DRAWN. I FURTHER CERTIFY THAT I HAVE RECEIVED ALL STATUTORY  
FEES IN CONNECTION WITH THE PLAT HEREIN DRAWN.  
GIVEN UNDER MY HAND AND SEAL OF THE COUNTY CLERK AT YORKVILLE,  
ILLINOIS,  
THIS \_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_  
COUNTY CLERK

CITY COUNCIL CERTIFICATE

STATE OF ILLINOIS }  
COUNTY OF KENDALL }  
APPROVED AND ACCEPTED BY THE MAYOR AND CITY COUNCIL OF THE  
UNITED CITY OF YORKVILLE, ILLINOIS,  
THIS \_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_  
MAYOR

SURVEYOR'S CERTIFICATE

STATE OF ILLINOIS }  
COUNTY OF KANE }  
THIS IS TO CERTIFY THAT I, SCOTT C. KREBS, ILLINOIS PROFESSIONAL LAND  
SURVEYOR NO. 3509, AT THE REQUEST OF THE OWNER THEREOF, HAVE  
SURVEYED, AND PLATED THE ABOVE DESCRIBED PROPERTY FOR THE  
PURPOSES OF PUBLIC ROADWAY DEDICATION.  
ALL DISTANCES ARE SHOWN IN FEET AND DECIMAL PARTS THEREOF.  
GIVEN UNDER MY HAND AND SEAL AT AURORA, ILLINOIS,  
THIS \_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_  
COMPASS SURVEYING LTD.  
PROFESSIONAL DESIGN FIRM  
LAND SURVEYOR CORPORATION NO. 184-022778  
LICENSE EXPIRES 4/30/2023

BY: SCOTT KREBS  
PROFESSIONAL LAND SURVEYOR No. 3509  
LICENSE EXPIRES 4/30/2024

ABBREVIATIONS

O.D.I.P. = OUTSIDE DIAMETER IRON PIPE  
(R) = RECORD BEARING OR DISTANCE  
(M) = MEASURED BEARING OR DISTANCE  
(C) = CALCULATED BEARING OR DISTANCE  
(D) = DEED BEARING OR DISTANCE  
N = NORTH  
S = SOUTH  
E = EAST  
W = WEST  
A = ARC LENGTH  
R = RADIUS  
CH = CHORD  
CB = CHORD BEARING  
B.S.L. = BUILDING SETBACK LINE  
U.E. = UTILITY EASEMENT  
D.E. = DRAINAGE EASEMENT  
P.U.E. = PUBLIC UTILITY EASEMENT  
P.O.C. = POINT OF COMMENCEMENT  
P.O.B. = POINT OF BEGINNING

LINE LEGEND

--- LIMITS OF LAND PER  
--- LEGAL DESCRIPTION  
--- ADJACENT LAND  
--- PARCEL LINE  
--- EASEMENT LINE  
--- CENTERLINE  
--- BUILDING SETBACK LINE  
--- SECTION LINE

LEGEND

● FOUND 7/8" O.D.I.P.  
UNLESS OTHERWISE NOTED  
(FIELD LOCATION)  
■ CONCRETE MONUMENT  
+ CROSS IN CONCRETE

PLAT OF DEDICATION  
HEREBY DEDICATED

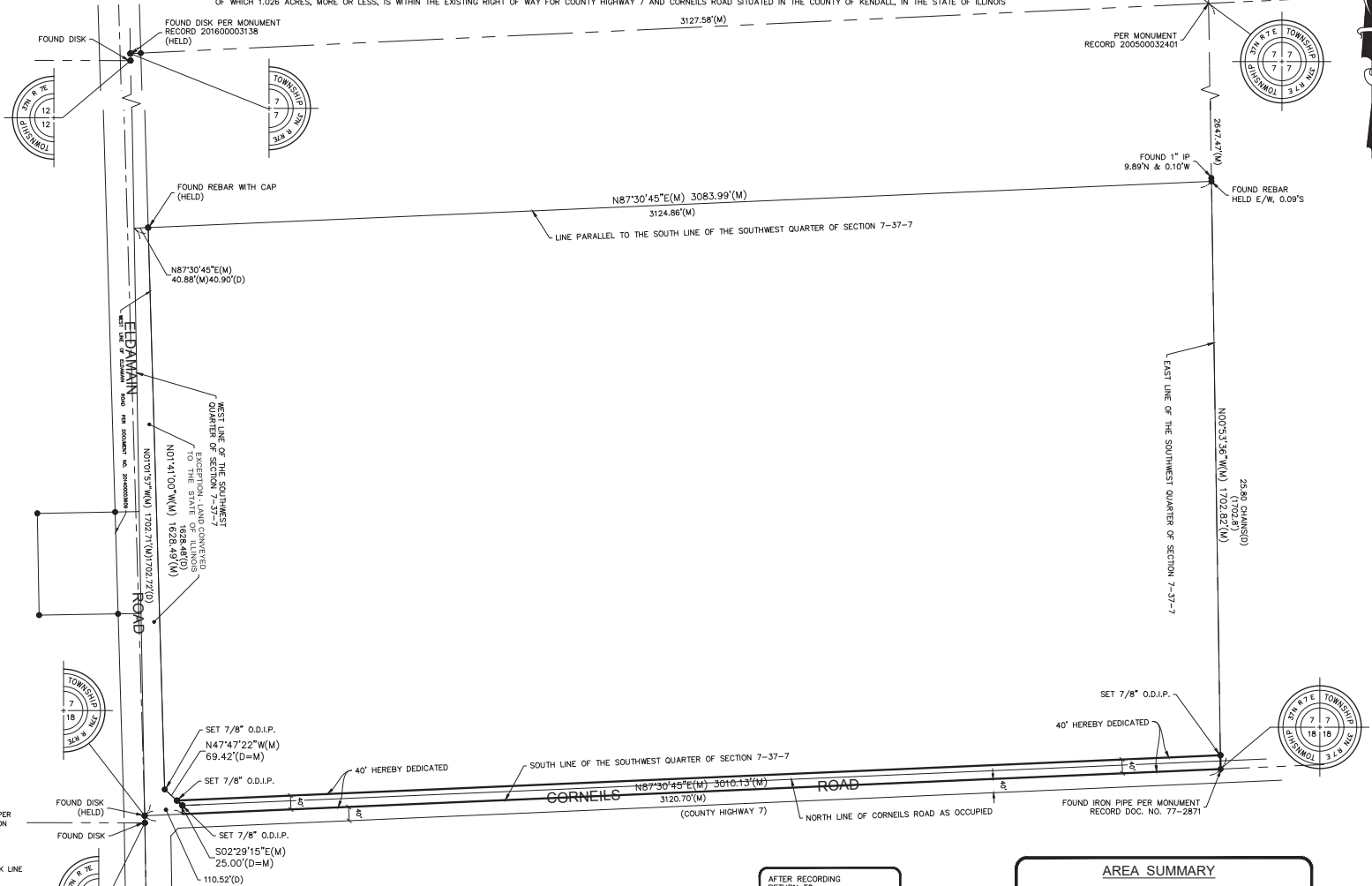
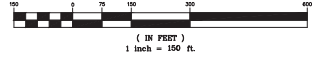
THE SOUTHERLY 40.00 FEET OF FOLLOWING DESCRIBED PARCEL:

THE SOUTH PART OF THE SOUTHWEST 1/4 OF SECTION 7, TOWNSHIP 37 NORTH, RANGE 7 EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS COMMENCING AT THE SOUTHWEST CORNER OF SAID QUARTER, THENCE EAST ALONG THE SOUTH LINE OF SAID QUARTER TO THE SOUTHEAST CORNER OF SAID QUARTER, THENCE NORTH ALONG THE EAST LINE OF SAID QUARTER 25.80 CHAINS, THENCE WEST ON A LINE PARALLEL TO THE SOUTH LINE OF SAID QUARTER TO THE WEST LINE OF SAID QUARTER, THENCE SOUTH ALONG THE WEST LINE OF SAID QUARTER 25.80 CHAINS TO THE SOUTHWEST CORNER OF SAID QUARTER AND POINT OF BEGINNING, IN THE TOWNSHIP OF BRISTOL, KENDALL COUNTY, ILLINOIS SITUATED IN THE COUNTY OF KENDALL, IN THE STATE OF ILLINOIS;

EXCEPTING THEREFROM THAT PART CONVEYED TO THE STATE OF ILLINOIS, MORE PARTICULARLY DESCRIBED AS FOLLOWS PART OF THE SOUTHWEST QUARTER OF SECTION 7, TOWNSHIP 37 NORTH, RANGE 7 EAST OF THE THIRD PRINCIPAL MERIDIAN, KENDALL COUNTY, ILLINOIS, DESCRIBED AS FOLLOWS BEGINNING AND GRID DISTANCES REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD 83 (97 ADJ) BEGINNING AT THE SOUTHWEST CORNER OF THE SOUTHWEST QUARTER OF SAID SECTION 7, THENCE NORTH 01 DEGREE 02 MINUTES 01 SECONDS WEST 1702.72 FEET ALONG THE WEST LINE OF THE SOUTHWEST QUARTER OF SAID SECTION 7, THENCE NORTH 87 DEGREES 30 MINUTES 51 SECONDS EAST 40.90 FEET, THENCE SOUTH 01 DEGREES 41 MINUTES 00 SECONDS EAST 1628.48 FEET, THENCE SOUTH 7 DEGREES 45 MINUTES 46 SECONDS EAST 69.42 FEET TO THE NORTHERLY EXISTING RIGHT OF WAY LINE OF CORNELIS ROAD, THENCE SOUTH 02 DEGREES 29 MINUTES 17 SECONDS EAST 25.00 FEET TO THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SAID SECTION 7, THENCE SOUTH 87 DEGREES 30 MINUTES 43 SECONDS WEST 110.57 FEET ALONG THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SAID SECTION 7, 7 FEET TO THE POINT OF BEGINNING, CONTAINING 2.032 ACRE MORE OR LESS, OF WHICH 1.026 ACRES, MORE OR LESS, IS WITHIN THE EXISTING RIGHT OF WAY FOR COUNTY HIGHWAY 7 AND CORNELIS ROAD SITUATED IN THE COUNTY OF KENDALL, IN THE STATE OF ILLINOIS

P.I.N. 02-07-300-004

GRAPHIC SCALE



AFTER RECORDING  
RETURN TO:  
COMPASS SURVEYING LTD.  
2531 ONGER WOODS PARKWAY, STE. 100  
SUITE 100  
AURORA, IL 60502

AREA SUMMARY

GROSS 5,226,970 SQUARE FEET OR 119.995 ACRES  
R.O.W. DEDICATION 120,541 SQUARE FEET OR 2.767 ACRES  
NET AREA 5,106,429 SQUARE FEET OR 117.228 ACRES  
(TO HEAVY LINES)  
(BASED ON MEASURED VALUES)

DATE	BOOK	V/A	PC	DATE	BOOK	V/A	PC
12/17/22				12/17/22			
NO.				NO.			

PROJECT	BRIGHTFARMS
CLIENT	JACOB & HEFNER ASSOCIATES, INC.
REVISIONS	

COMPASS SURVEYING LTD.  
2531 ONGER WOODS PARKWAY, STE. 100  
SUITE 100  
AURORA, IL 60502  
PHONE: 630-584-8100 FAX: 630-584-8101 EMAIL: ADMIN@COMPASSSURV.COM

SCALE: 1" = 150'

1 OF 1

P.I.N. 02-07-300-004

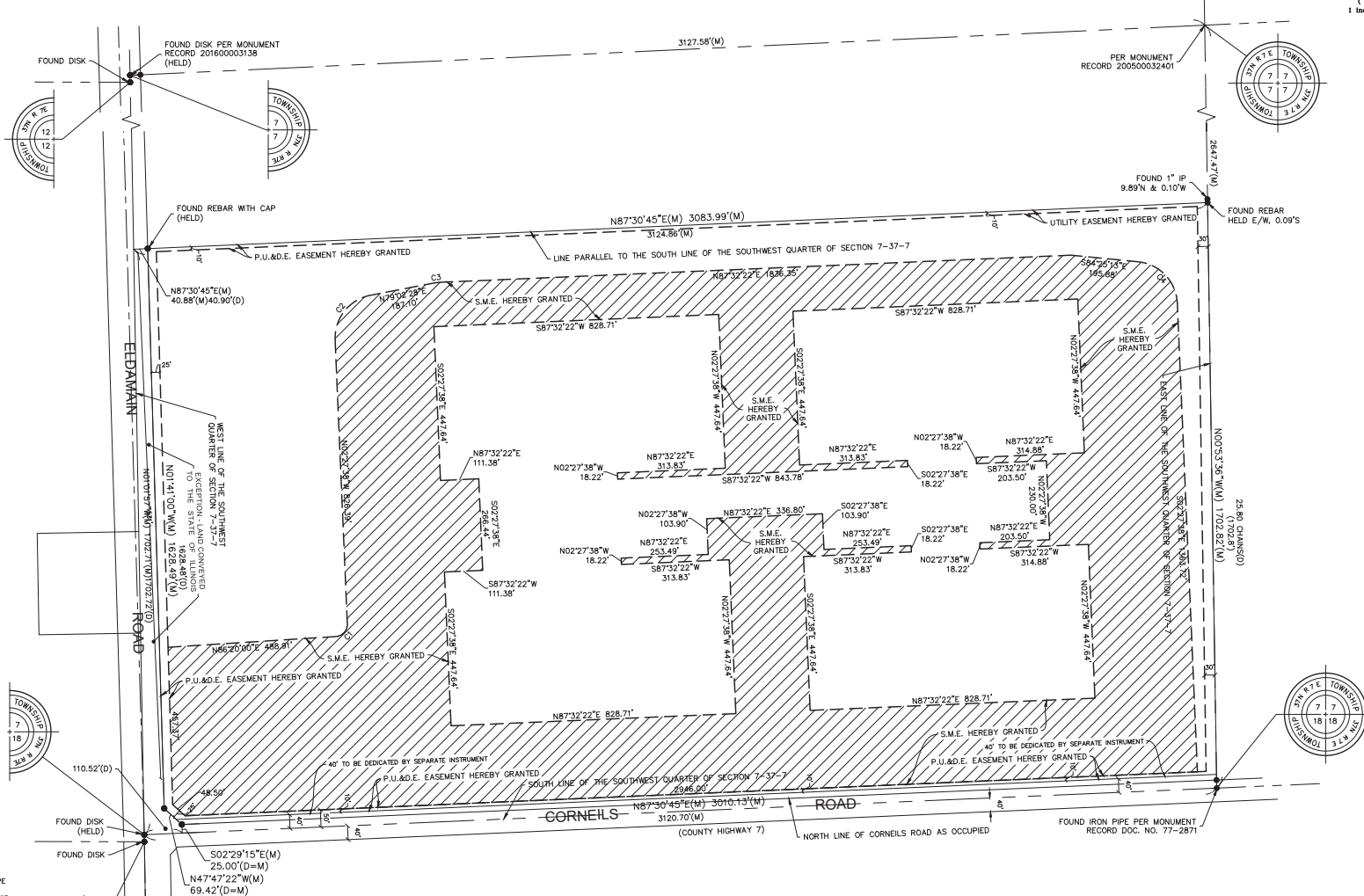
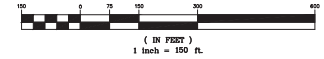
J:\PROJECTS\2021 PROJECTS\21-0272\21-0272-02 DEDICATION\21-0272-02 PLOTTING.DWG

# PLAT OF EASEMENT GRANT OVER

PART OF THE SOUTHWEST 1/4 OF SECTION 7, TOWNSHIP 37  
NORTH, RANGE 7 EAST OF THE THIRD PRINCIPAL MERIDIAN,  
IN THE TOWNSHIP OF BRISTOL, KENDALL COUNTY, ILLINOIS.

P.I.N. 02-07-300-004

GRAPHIC SCALE



## LEGEND

- FOUND 7/8" O.D.I.P.
- UNLESS OTHERWISE NOTED
- (H) HELD LOCATION
- CONCRETE MONUMENT
- + CROSS IN CONCRETE

## ABBREVIATIONS

- O.D.I.P. = OUTSIDE DIAMETER IRON PIPE
- (R) = RECORD BEARING OR DISTANCE
- (M) = MEASURED BEARING OR DISTANCE
- (C) = CALCULATED BEARING OR DISTANCE
- (D) = DEED BEARING OR DISTANCE
- N = NORTH
- S = SOUTH
- E = EAST
- W = WEST
- A = ARC LENGTH
- R = RADIUS
- CH = CHORD
- CH = CHORD BEARING
- B.S.L. = BUILDING SETBACK LINE
- U.E. = UTILITY EASEMENT
- D.E. = DRAINAGE EASEMENT
- P.O.B. = POINT OF BEGINNING
- P.O.C. = POINT OF COMMENCEMENT
- P.U. & D.E. = PUBLIC UTILITY AND DRAINAGE EASEMENT
- S.M.E. = STORMWATER MANAGEMENT EASEMENT

## LINE LEGEND

- LIMITS OF LAND PER LEGAL DESCRIPTION
- ADJACENT LAND PARCEL
- EASEMENT LINE
- CENTERLINE
- BUILDING SETBACK LINE
- SECTION LINE
- S.M.E. HEREBY GRANTED

## CURVE TABLE

NO.	LENGTH	RADIUS	CHORD DIRECTION	CHORD LENGTH
C1	55.08	35.50	N41° 59' 27"E	49.72
C2	179.94	126.50	N38° 17' 25"E	165.15
C3	18.76	126.50	N83° 17' 25"E	18.75
C4	180.95	126.50	S43° 26' 25"E	165.92

AFTER RECORDING  
RETURN TO:  
COMPASS SURVEYING LTD.  
2631 GINGER WOODS PARKWAY  
SUITE 100  
AURORA, IL 60502

PROJECT	DATE	PC	BY	DATE	PC	BY	DATE	PC	BY
BRIGHTFARMS									
100 WESTERDALE PARKWAY SUITE 100									
AVONDALE, ILLINOIS 60511									

CLIENT  
JACOB & HEINER ASSOCIATES, INC.  
100 WESTERDALE PARKWAY SUITE 100  
AVONDALE, ILLINOIS 60511

COMPASS  
SURVEYING LTD.  
2631 GINGER WOODS PARKWAY  
SUITE 100  
AURORA, IL 60502  
PHONE: (630) 858-0100 FAX: (630) 858-0101 EMAIL: ADMIN@COMPASS-SURV.COM

SCALE: 1" = 150'

1 OF 2

J:\PROJECTS\2021\PROJECTS\21.0272\21.0272-03 EASEMENT\21.0272-03 POEASE.DWG

PART OF THE SOUTH PART OF THE SOUTHWEST 1/4 OF  
SECTION 7, TOWNSHIP 37 NORTH, RANGE 7 EAST OF  
THE THIRD PRINCIPAL MERIDIAN, IN THE TOWNSHIP OF  
BRISTOL, KENDALL COUNTY, ILLINOIS.

STATE OF \_\_\_\_\_ }  
COUNTY OF \_\_\_\_\_ } SS  
THIS IS TO CERTIFY THAT

DATED AT \_\_\_\_\_, \_\_\_\_\_,  
THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20 \_\_\_\_\_

BY: \_\_\_\_\_ PRESIDENT \_\_\_\_\_ SECRETARY

I, \_\_\_\_\_, A NOTARY PUBLIC IN AND FOR  
THE COUNTY

GIVEN UNDER MY HAND AND NOTARIAL SEAL

NOTARY PUBLIC

THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20 \_\_\_\_\_.

BY: \_\_\_\_\_  
MAYOR

ATTEST: \_\_\_\_\_  
CITY CLERK

DATED AT YORKVILLE, ILLINOIS

CITY ENGINEER

FOLLOWING ANY WORK TO BE PERFORMED BY THE UNITED CITY OF YORKVILLE IN THE EXERCISE OF ITS EASEMENT RIGHTS HEREIN GRANTED, SAID CITY SHALL HAVE NO OBLIGATION WITH RESPECT TO SURFACE RESTORATION, INCLUDING BUT NOT LIMITED TO, THE RESTORATION, REPAIR OR REPLACEMENT OF PAVEMENT, CURB, GUTTERS, TREES, LAWN OR SHRUBBERY, PROVIDED, HOWEVER, THAT SAID CITY SHALL BE OBLIGATED, FOLLOWING SUCH MAINTENANCE WORK, TO BACKFILL AND MOUND ALL TRENCH CREATED SO AS TO RESTORE THE SURFACE TO ITS ORIGINAL CONDITION. IF ASPHALT OR CONCRETE SURFACE, TO REMOVE ALL EXCESS DEBRIS AND SPOIL, AND TO LEAVE THE MAINTENANCE AREA IN A GENERALLY CLEAN AND WORKMANLIKE CONDITION.

THE OWNER OF THE PROPERTY SHALL REMAIN RESPONSIBLE FOR THE MAINTENANCE OF THE STORMWATER MANAGEMENT AREA AND APPURTENANCES. THE UNITED CITY OF YORKVILLE WILL PERFORM ONLY EMERGENCY PROCEDURES AS DEEMED NECESSARY BY THE CITY ENGINEER OF THE UNITED CITY OF YORKVILLE.

PROFESSIONAL LAND SURVEYOR NO. 3509  
LICENSE EXPIRES 4/30/2024

<p><b>BRIGHTFARMS</b>          ELDAMAIN ROAD &amp; CORNELIS ROAD          YORKVILLE, IL</p>	<p><b>CLIENT</b></p>
<p><b>JACOB &amp; HEFNER ASSOCIATES, INC.</b>          13140 TITUSFIELD ROAD, SUITE 300          DOWNERS GROVE, IL 60515</p>	



**COMPASS**  
SURVEYING LTD

ALTA SURVEYS • TOPOGRAPHY • CONSTRUCTION

2631 GINGER WOODS PARKWAY  
AUBURN, IL 62002

PHONE: (630) 820-9100 FAX: (630) 826-7030 EMAIL: AD@COMPASS-SURVEYING.COM

SCALE: NONE

2 OF 2

U. NO.: 21.0272-03



Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input type="checkbox"/>
Engineer	<input type="checkbox"/>
City Administrator	<input checked="" type="checkbox"/>
Community Development	<input type="checkbox"/>
Purchasing	<input type="checkbox"/>
Police	<input type="checkbox"/>
Public Works	<input checked="" type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #11

Tracking Number

PW 2023-11

### Agenda Item Summary Memo

**Title:** Bristol Bay – Route 47 Connection

**Meeting and Date:** Public Works Committee – January 17, 2023

**Synopsis:** A discussion will take place.

### Council Action Previously Taken:

Date of Action: \_\_\_\_\_ Action Taken: \_\_\_\_\_

Item Number: \_\_\_\_\_

**Type of Vote Required:** \_\_\_\_\_

**Council Action Requested:** \_\_\_\_\_

**Submitted by:** Bart Olson Administration  
Name Department

### Agenda Item Notes:

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**PRELIMINARY COST ESTIMATE  
BRISTOL BAY DRIVE @ IL ROUTE 47  
UNITED CITY OF YORKVILLE  
KENDALL COUNTY ILLINOIS**

ITEM NO	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
1	PAVEMENT REMOVAL	SY	2,550	\$ 13.00	\$ 33,150.00
2	HOT-MIX ASPHALT SURFACE REMOVAL, 1.5"	SY	4,550	\$ 5.00	\$ 22,750.00
3	HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT	SY	50	\$ 15.00	\$ 750.00
4	EARTH EXCAVATION	CY	2,000	\$ 37.00	\$ 74,000.00
5	POROUS GRANULAR EMBANKMENT, SUBGRADE	CY	200	\$ 50.00	\$ 10,000.00
6	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SY	360	\$ 2.00	\$ 720.00
7	AGGREGATE BASE COURSE, TYPE B, 12"	SY	3,380	\$ 30.00	\$ 101,400.00
8	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 11"	TON	4,180	\$ 90.00	\$ 376,200.00
9	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1.5"	TON	570	\$ 95.00	\$ 54,150.00
10	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 4.5"	TON	370	\$ 90.00	\$ 33,300.00
11	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1.5"	TON	130	\$ 95.00	\$ 12,350.00
12	LEVELING BINDER (MACHINE METHOD), 1"	TON	380	\$ 100.00	\$ 38,000.00
13	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	2,920	\$ 2.00	\$ 5,840.00
14	BITUMINOUS MATERIALS (PRIME COAT)	GAL	810	\$ 0.10	\$ 81.00
15	AGGREGATE (PRIME COAT)	TON	10	\$ 0.10	\$ 1.00
16	GRADING AND SHAPING DITCHES	FOOT	2,920	\$ 16.00	\$ 46,720.00
17	TEMPORARY DITCH CHECKS	FOOT	350	\$ 15.00	\$ 5,250.00
18	PERIMETER EROSION BARRIER	FOOT	2,920	\$ 3.00	\$ 8,760.00
19	COMBINATION CONCRETE CURB & GUTTER TYPE B-6.12	FOOT	650	\$ 35.00	\$ 22,750.00
20	HOT-MIX ASPHALT SHOULDERS, 6"	SY	1,000	\$ 45.00	\$ 45,000.00
21	AGGREGATE BASE COURSE, TYPE B, 6"	SY	1,000	\$ 20.00	\$ 20,000.00
22	AGGREGATE SHOULDERS, TYPE B, 6"	SY	1,670	\$ 20.00	\$ 33,400.00
23	THERMOPLASTIC PAVEMENT MARKINGS, LETTER & SYMBOLS	SF	146	\$ 5.00	\$ 730.00
24	THERMOPLASTIC PAVEMENT MARKINGS, 4"	FOOT	9,450	\$ 2.00	\$ 18,900.00
25	THERMOPLASTIC PAVEMENT MARKINGS, 6"	FOOT	700	\$ 1.20	\$ 840.00
26	THERMOPLASTIC PAVEMENT MARKINGS, 12"	FOOT	150	\$ 4.00	\$ 600.00
27	THERMOPLASTIC PAVEMENT MARKINGS, 24"	FOOT	75	\$ 5.00	\$ 375.00
28	RAISED REFLECTIVE PAVEMENT MARKERS	EACH	150	\$ 40.00	\$ 6,000.00
29	CLASS D PATCHES, TYPE IV, 10"	SY	100	\$ 90.00	\$ 9,000.00
30	PIPE CULVERTS, CLASS D, TYPE 1, 15"	FOOT	200	\$ 75.00	\$ 15,000.00
31	PIPE CULVERT REMOVAL	FOOT	350	\$ 12.00	\$ 4,200.00
32	PIPE CULVERTS, CLASS A, TYPE 1, 24"	FOOT	150	\$ 80.00	\$ 12,000.00
33	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 24"	EACH	4	\$ 1,500.00	\$ 6,000.00
34	GRATING FOR FLARED END SECTIONS, 24"	EACH	4	\$ 600.00	\$ 2,400.00
35	STEEL END SECTIONS, 15"	EACH	6	\$ 350.00	\$ 2,100.00
36	TEMPORARY TRAFFIC SIGNAL	L SUM	1	\$ 60,000.00	\$ 60,000.00
37	TRAFFIC SIGNAL	L SUM	1	\$ 290,000.00	\$ 290,000.00
38	TRAFFIC CONTROL AND PROTECTION	L SUM	1	\$ 100,000.00	\$ 100,000.00
SUB TOTAL					\$ 1,472,717.00
CONTINGENCY (20%)					\$ 294,550.00
<b>TOTAL PRELIMINARY ESTIMATE OF CONSTRUCTION COST</b>					<b>\$ 1,767,267.00</b>
DESIGN ENGINEERING					\$ 212,080.00
CONSTRUCTION ENGINEERING					\$ 212,080.00
<b>TOTAL PRELIMINARY COST ESTIMATE</b>					<b>\$ 2,191,427.00</b>



# Illinois Department of Transportation

Office of Highways Project Implementation / Region 2 / District 3  
700 East Norris Drive / Ottawa, Illinois 61350-1628

March 25, 2019

Honorable Gary Golinski  
Mayor of Yorkville  
800 Game Farm Road  
Yorkville, IL 60560

FAP 326 (IL 47/US 30)  
Section (107, 108, 108S)R-1  
Reconstruction of IL 47 From Kennedy Road in Yorkville to  
Cross Street in Sugar Grove  
Kane & Kendall Counties  
Job No. P-93-013-07  
Contract No. 66989

Dear Mayor Golinski:

The Illinois Department of Transportation, District 3 office in Ottawa, is nearing completion of the engineering study to reconstruct IL 47 from Kennedy Road in Yorkville to Cross Street in Sugar Grove. Proposed improvements include pavement reconstruction to provide two lanes in each direction with a raised median, shoulder or curb and gutter, pedestrian and bicycle accommodations, and intersection and safety improvements as needed.

Based on previous meetings and correspondence, the local agencies with jurisdiction along the project, including the United City of Yorkville, and the district have jointly developed the proposed improvements. Items identified that require a local cost share include: traffic signal installation/modernization including traffic signal pre-emption devices, highway lighting, shared use path, and sidewalk. Extension of Bristol Bay Drive to intersect with IL 47 will be included at the city's request. A description, estimated total cost, and estimated cost share for each item are listed in the paragraphs and table below:

Existing traffic signals will be replaced at Kennedy Road, Cannonball Trail, Boombah Boulevard (formerly Wheaton Avenue), Waterpark Way, and Baseline Road. Traffic signal installation/modernization costs are estimated at \$220,000 for three-legged intersections and \$280,000 for four-legged intersections. Traffic signal costs are assumed to be 80 percent federal funds with the remaining 20 percent divided by jurisdiction of the legs of the intersection. The state has jurisdiction of two or three legs of each intersection on the project so the 20 percent is proportioned between the state and city accordingly. The estimated cost of construction and engineering (15 percent of construction cost) is shown in the table below based on the number of legs. After construction, the maintenance and energy costs of traffic signals will be shared based on the number of local legs.

Traffic signal replacement or upgrades will be required at the intersection of IL 47 with Wrigley Way (full replacement is assumed for cost estimating purposes). This location serves a private industry and is identified as a private benefit traffic signal. Subsequently, the signal work will be at 100 percent city cost. After construction, all energy costs and maintenance of the traffic signals at IL 47 and Wrigley Way will continue to be 100 percent city responsibility.

Traffic signal emergency pre-emption devices will be installed at the intersections of IL 47 with Kennedy Road (three arms), Cannonball Trail (four arms), Boombah Boulevard (three arms), Wrigley Way (four arms), Waterpark Way (three arms), and Baseline Road (four arms). The total estimated construction cost for light detectors and amplifiers is approximately \$40,000. Estimated local cost share (100 percent of construction cost by policy) is approximately \$40,000 estimated construction cost along with \$6,000 (15 percent of construction cost share) for engineering. After construction, maintenance of pre-emption devices will be 100 percent city responsibility.

Highway lighting will be provided in combination with traffic signals at Kennedy Road, Cannonball Trail, Boombah Boulevard, Wrigley Way, Waterpark Way, and Baseline Road. The total estimated construction cost for highway lighting is approximately \$50,000. Estimated local cost share (100 percent of construction cost by policy) is \$50,000 estimated construction cost along with \$7,500 (15 percent of construction cost share) for engineering. After construction, energy costs and maintenance of combination highway lighting and all appurtenances will be 100 percent city responsibility.

Extension of Bristol Bay Drive to intersect with IL 47 is proposed at the city's request. The cost estimate includes 24 foot wide asphalt pavement with improved subgrade, concrete curb and gutter and concrete sidewalk. The estimated cost of construction is \$50,000 along with \$7,500 (15 percent) for engineering. The work and associated engineering cost will be 100 percent city responsibility. Maintenance responsibility and jurisdiction of Bristol Bay Drive will remain with the United City of Yorkville.

Installation of new shared use path is proposed along the east side of IL 47 from Kennedy Road to Baseline Road. The path will consist of a 10 foot wide hot-mix asphalt surface on an aggregate base. The total estimated construction cost for new shared use path is approximately \$326,000. Estimated local cost share (20 percent of construction by policy) is \$65,000 and \$10,000 (15 percent of construction cost share) for engineering. After construction, maintenance of the shared use path will be 100 percent city responsibility.

Installation of new sidewalk is proposed to connect to existing networks at intersections. Existing sidewalk to be removed by the project will be replaced at 100 percent state cost so little or no additional cost is anticipated.

No city water or sewer relocations have been identified for inclusion in the project. Utility relocations are 100 percent city cost for city owned utilities. After construction, maintenance of city utilities will remain 100 percent city responsibility.

A portion of each local road intersecting IL 47 within the project limits will be reconstructed as part of the project at the state's cost. Jurisdiction and maintenance responsibility for these roads will remain with the local agency.

A bridge, SN 045-3044, carrying Baseline Road over Rob Roy Creek will be replaced as part of the project at the state's cost. Maintenance and jurisdiction of the replacement structure will remain with the city.

The total estimated local cost share for all items is approximately \$656,400 including engineering costs. See the table below for a summary of costs and credits.

Cost share item	Est. Const. Cost	Est. Local Share of Const. Cost	Est. Local Share of Eng. Cost	Total Est. Local Cost Share
Kennedy Road Signals	\$220,000	\$14,500	\$2,200	\$16,700
Cannonball Trail Signals	\$280,000	\$28,000	\$4,200	\$32,200
Wrigley Way Signals (100% City)	\$280,000	\$280,000	\$42,000	\$322,000
Boombah Boulevard Signals	\$220,000	\$14,500	\$2,200	\$16,700
Waterpark Way Signals	\$220,000	\$14,500	\$2,200	\$16,700
Baseline Road Signals	\$280,000	\$14,000	\$2,100	\$16,100
Emergency Pre-Emption	\$40,000	\$40,000	\$6,000	\$46,000
Comb. Highway Lighting	\$50,000	\$50,000	\$7,500	\$57,500
Shared Use Path	\$326,000	\$65,000	\$10,000	\$75,000
Extension of Bristol Bay Rd.	\$50,000	\$50,000	\$7,500	\$57,500
Total:	\$1,966,000	\$570,500	\$85,900	\$656,400

Please mark the appropriate box and sign below to indicate if you concur or not with the proposed improvements and estimated local cost share. If you do not concur with any or all of the proposed improvements, please provide any comments explaining the reasons and any changes you recommend. Return one copy of the letter and retain the second for your files.

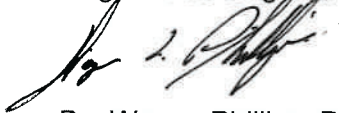
The city will be included in review of contract plans during detailed design. Please note that additional enhancements or scope changes requested by the city could incur additional cost participation and/or charges for additional engineering effort. Final participation will be based on final plan quantities multiplied by awarded unit prices and cost share percentages based on the policy in place at the time the city/state agreement is written prior to construction. The portion of the project from Galena Road to Cross Street in Sugar Grove is tentatively funded in the Proposed Highway Improvement Program, subject to plan readiness and funding availability. The portion of the project from Kennedy Road to Galena Road in Yorkville is currently unfunded and will continue to be monitored for inclusion in future Proposed Highway Improvement Programs.

Honorable Gary Golinski  
March 25, 2019  
Page 4

If you have any questions or need further information, please contact  
Mr. Dave Alexander, Location and Environmental Studies Engineer, at  
(815) 434-8468.

Sincerely,

Kevin Marchek, P.E.  
Region Two Engineer



By: Wayne Phillips, P.E.  
Program Development Engineer

cc: Ms. Lisa Pickering, Deputy Clerk  
Mr. Bart Olson, City Administrator  
Mr. Brad Sanderson, City Engineer

- ☒ The United City of Yorkville concurs with the preliminary local cost participation as stated above and hereby agrees to participate in the funding and assume maintenance responsibilities as stated above.
- ☐ The United City of Yorkville does not concur with the preliminary local cost participation as stated above. (Please provide comments below.)

Comments

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JOHN PURCELL  
Mayor, United City of Yorkville

6 7 19  
Date