



## **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, March 16, 2021**

**6:00 p.m.**

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

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#### **Citizen Comments:**

**Minutes for Correction/Approval:** February 16, 2021

#### **New Business:**

1. PW 2021-08 Snow Operations Report
2. PW 2021-09 Water Department Reports for September – December 2020 and January 2021
3. PW 2021-10 2021 Road to Better Roads Program – Contract Award
4. PW 2021-11 2021 Road to Better Roads Program – Construction Engineering Agreement
5. PW 2021-12 Elizabeth Street and Appletree Court Water Main Improvements – Contract Award
6. PW 2021-13 Elizabeth Street and Appletree Court Water Main Improvements – Construction Engineering Agreement
7. PW 2021-14 Kennedy Road and Mill Road Intersection Improvements Engineering Agreement
8. PW 2021-15 Heartland Circle – Plat of Abrogation (1162 Spring Street)
9. PW 2021-16 Ashley Road Improvements – Status Update
10. PW 2021-17 Stop Sign Analysis
  - a. Freemont and Somonauk Streets
  - b. Heartland Circle
11. PW 2021-18 2021 EEI Hourly Rate Request
12. PW 2021-19 Professional Services Intergovernmental Agreement with Oswego and Montgomery and Water Study Contribution
13. PW 2021-20 Wyland National Mayor's Challenge for Water Conservation
14. PW 2021-21 Sale of Surplus Vehicles
15. PW 2021-22 Public Works Vehicle Proposals

#### **Old Business:**

#### **Additional Business:**



<b>2019/2020 City Council Goals – Public Works Committee</b>		
<b>Goal</b>	<b>Priority</b>	<b>Staff</b>
“Municipal Building Needs & Planning”	2	Bart Olson, Rob Fredrickson, Eric Dhuse, James Jensen, Tim Evans & Erin Willrett
“Road to Better Roads Funding”	3	Bart Olson, Rob Fredrickson & Eric Dhuse
“Water Planning”	6	Eric Dhuse & Brad Sanderson
“School Safety (Exterior & Traffic)”	8 (tie)	Eric Dhuse & James Jensen
“Quiet Zones”	14 (tie)	Eric Dhuse, Erin Willrett & Brad Sanderson
“Route 47 Crossings”	19	Eric Dhuse & Brad Sanderson



UNITED CITY OF YORKVILLE  
WORKSHEET  
**PUBLIC WORKS COMMITTEE**  
**Tuesday, March 16, 2021**  
**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. February 16, 2021

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

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**NEW BUSINESS:**

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1. PW 2021-08 Snow Operations Report

- ☐ Moved forward to CC \_\_\_\_\_
  - ☐ Approved by Committee \_\_\_\_\_
  - ☐ Bring back to Committee \_\_\_\_\_
  - ☐ Informational Item
  - ☐ Notes \_\_\_\_\_
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2. PW 2021-09 Water Department Reports for September – December 2020 and January 2021

☐ Moved forward to CC \_\_\_\_\_

☐ Approved by Committee \_\_\_\_\_

☐ Bring back to Committee \_\_\_\_\_

☐ Informational Item

☐ Notes \_\_\_\_\_

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3. PW 2021-10 2021 Road to Better Roads Program – Contract Award

☐ Moved forward to CC \_\_\_\_\_

☐ Approved by Committee \_\_\_\_\_

☐ Bring back to Committee \_\_\_\_\_

☐ Informational Item

☐ Notes \_\_\_\_\_

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4. PW 2021-11 2021 Road to Better Roads Program – Construction Engineering Agreement

☐ Moved forward to CC \_\_\_\_\_

☐ Approved by Committee \_\_\_\_\_

☐ Bring back to Committee \_\_\_\_\_

☐ Informational Item

☐ Notes \_\_\_\_\_

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5. PW 2021-12 Elizabeth Street and Appletree Court Water Main Improvements – Contract Award

☐ Moved forward to CC \_\_\_\_\_

☐ Approved by Committee \_\_\_\_\_

☐ Bring back to Committee \_\_\_\_\_

☐ Informational Item

☐ Notes \_\_\_\_\_

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6. PW 2021-13 Elizabeth Street and Appletree Court Water Main Improvements – Construction  
Engineering Agreement

☐ Moved forward to CC \_\_\_\_\_

☐ Approved by Committee \_\_\_\_\_

☐ Bring back to Committee \_\_\_\_\_

☐ Informational Item

☐ Notes \_\_\_\_\_

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7. PW 2021-14 Kennedy Road and Mill Road Intersection Improvements Engineering Agreement

☐ Moved forward to CC \_\_\_\_\_

☐ Approved by Committee \_\_\_\_\_

☐ Bring back to Committee \_\_\_\_\_

☐ Informational Item

☐ Notes \_\_\_\_\_

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8. PW 2021-15 Heartland Circle – Plat of Abrogation (1162 Spring Street)

☐ Moved forward to CC \_\_\_\_\_

☐ Approved by Committee \_\_\_\_\_

☐ Bring back to Committee \_\_\_\_\_

☐ Informational Item

☐ Notes \_\_\_\_\_

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9. PW 2021-16 Ashley Road Improvements – Status Update

☐ Moved forward to CC \_\_\_\_\_

☐ Approved by Committee \_\_\_\_\_

☐ Bring back to Committee \_\_\_\_\_

☐ Informational Item

☐ Notes \_\_\_\_\_

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10. PW 2021-17 Stop Sign Analysis

a. Freemont and Somonauk Streets

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

b. Heartland Circle

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

- ☐ Notes \_\_\_\_\_
- \_\_\_\_\_
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11. PW 2021-18 2021 EEI Hourly Rate Request

- ☐ Moved forward to CC \_\_\_\_\_
- ☐ Approved by Committee \_\_\_\_\_
- ☐ Bring back to Committee \_\_\_\_\_
- ☐ Informational Item
- ☐ Notes \_\_\_\_\_
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12. PW 2021-19 Professional Services Intergovernmental Agreement with Oswego and Montgomery and Water Study Contribution

☐ Moved forward to CC \_\_\_\_\_

☐ Approved by Committee \_\_\_\_\_

☐ Bring back to Committee \_\_\_\_\_

☐ Informational Item

☐ Notes \_\_\_\_\_

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13. PW 2021-20 Wyland National Mayor's Challenge for Water Conservation

☐ Moved forward to CC \_\_\_\_\_

☐ Approved by Committee \_\_\_\_\_

☐ Bring back to Committee \_\_\_\_\_

☐ Informational Item

☐ Notes \_\_\_\_\_

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14. PW 2021-21 Sale of Surplus Vehicles

☐ Moved forward to CC \_\_\_\_\_

☐ Approved by Committee \_\_\_\_\_

☐ Bring back to Committee \_\_\_\_\_

☐ Informational Item

☐ Notes \_\_\_\_\_

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15. PW 2021-22 Public Works Vehicle Proposals

☐ 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 – February 16, 2021

**Meeting and Date:** Public Works Committee – March 16, 2021

**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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# DRAFT

**UNITED CITY OF YORKVILLE  
PUBLIC WORKS COMMITTEE  
Tuesday, February 16, 2021, 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 pandemic by allowing remote attendance for this meeting.

**IN ATTENDANCE:**

**Committee Members**

Chairman Joe Plocher, in-person

Alderman Chris Funkhouser, in-person

Alderman Ken Koch, in-person

Absent: Alderman Seaver Tarulis

**Other City Officials**

City Administrator Bart Olson, in-person

Assistant City Administrator Erin Willrett-electronic attendance

Engineer Brad Sanderson, EEI, in-person

Public Works Director Eric Dhuse, in-person

Alderman Jackie Milschewski, remote attendance (left 6:20pm)

**Other Guests:** None

The meeting was called to order at 6:00pm by Chairman Joe Plocher.

**Citizen Comments:** None

**Previous Meeting Minutes:** December 15, 2020

The minutes were approved as presented on a voice vote.

**New Business:**

***1. PW 2021-01 Snow Operations Report***

Mr. Dhuse said there was a breakdown of snow equipment-- 2 large trucks and 1 small one which staff will repair. Chairman Plocher thanked Public Works for the good job removing snow. Alderman Funkhouser said after observing some streets, certain areas were not plowed well and wondered if salt was being applied differently or plowing was altered. Mr. Dhuse explained how the plowing is done



and how the blades can be angled for plowing. He further said that brand new electronics are being used in older equipment resulting in less than optimum connections. He also said the temperatures affect the plowing and added that the plow staff was trying very hard to achieve the best results. Alderman Funkhouser said the equipment issues should be dealt with during the budget process.

Alderman Koch said he noticed many problems on Baseline Road during the bad weather. Mr. Olson said it is historically a difficult road. Questions were raised about closing the road, however, there are 2 residents living there. Mr. Funkhouser asked if a road grader could be used, so Mr. Dhuse will talk with Sugar Grove Township, though a grader would be hard on the road. Alderman Milschewski had concerns about salting and it was noted there had been a truck breakdown. She commented that the city may need to be more aggressive with procuring better equipment since severe winters could become the norm. Mr. Funkhouser suggested the city might need a full time maintenance mechanic.

## ***2. PW 2021-02 Capital Improvement Projects Update***

Mr. Sanderson said a quarterly update is in the packet. He also said the 2021 Road to Better Roads program went out to bid and it is hoped to bring the bid award to the March meeting. Other bids are expected at that meeting as well.

## ***3. PW 2021-03 Quarterly Bond and Letter of Credit Reduction Summary***

This is the quarterly report for the end of 2020 and it was a fairly active quarter, said Mr. Sanderson. For information.

## ***4. PW 2021-04 Fountain Village Completion of Improvements – Change Order No. 1***

Several years ago the city received government funds to complete detention basin maintenance at Fountain Village. That has just been completed in 2020 and it was \$26,000 less than budgeted. Mr. Sanderson recommended approval of the Change Order. Mr. Funkhouser asked where this line item will be credited and Mr. Olson will work with Mr. Fredrickson on this question. This item moves on to City Council.

## ***5. PW 2021-05 Well No. 8 and 9 Water Treatment Plant Media Replacement – Change Order No. 1***

Mr. Sanderson said the city did a media exchange replacement in these wells and later some coating issues were discovered. A separate contract was issued for the coating and extra costs were incurred. Mr. Dhuse added that contracts in the future will include a line item for coating if needed and he said only 2 companies do this type of work. The Change Order is for \$9,145 which the committee approved and it moves forward to City Council.

## ***6. PW 2021-06 MFT Resolution for ReBuild Illinois (Fox Hill Improvements)***

Four years ago the State had a bond sale and the city received \$1.25 million in funds. The city has decided to fund Fox Hill improvements and a resolution will be needed by IDOT. Plans will be submitted in the next 2-3 weeks and bids let in April. All funds will be used and some additional may be added. Mr. Olson said the location or scope of the project could change, but the recommendation is to do as much work as possible and perhaps add a supplemental package. Mr. Sanderson said an additional \$400,000 to \$450,00 should allow for completion of the project. Chairman Plocher asked if the amount for the Fox Hill project was aggressive or if it would increase greatly if the project was delayed. Mr. Sanderson said it would increase. This moves to City Council.



**7. PW 2021-07 Mill Road Reconstruction – Review of Bids**

Mr. Sanderson reported the bids were \$600,000-\$700,000 below estimate since there is a lack of work at this time. He said this work would be good for the city but also for the developer. Mr. Olson anticipates an engineering agreement from EEI before the next meeting. He added that the goal for this construction year is to bid out several projects.

**Old Business:** None

**Additional Business:**

There was no further business and the meeting was adjourned at 6:40pm.

Minutes respectfully transcribed by  
Marlys Young, Minute Taker-electronic attendance





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 checked="" type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #1

Tracking Number

PW 2021-08

### Agenda Item Summary Memo

**Title:** Snow Operations Report

**Meeting and Date:** Public Works Committee – March 16, 2021

**Synopsis:** Snow operation report for February.

### Council Action Previously Taken:

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

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

**Type of Vote Required:** None

**Council Action Requested:** None

**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, Administrator  
 Date: March 8, 2021  
 Subject: Snow Operations Report

## Summary

Totals for the snow events for Feb 10<sup>th</sup> – Feb 23<sup>rd</sup>.

## Background

This report details the salt and brine usage from February 10<sup>th</sup> – February 23<sup>rd</sup>. During this time, we plowed and salted numerous times. This was an unusual winter, almost the entire years average snowfall happened in one month. Our crews always responded quickly and efficiently to keep the roads as clear as possible.

Items of note:

- Brine usage was down due to extremely cold temperatures and computer sensor failure on our brine making machine.
- 3 large dump trucks were down for all or part of this reporting period. (highlighted in yellow)
- Many of these events were off hours, OT hours were very high for the month of February.

Below please find the monthly table that outlines our key elements of snow removal operations. Many of our salt trucks had to assist on other routes due to mechanical breakdowns.

Snow Operations Salt and Brine Data 2020-2021										
Snow Event Date		2/9-2/23								
Date of Recording		2/23/2021								
Recorder		ED								
Route	Truck ID	Total Miles Driven	Average MPH	Salt Miles	Lbs of Salt Used	Lbs of Salt/Mi.	Brine Miles	Gallons of Brine Used	Gal Brine/Ton Salt	Tons of Salt Used
1	9	526	13.00	196	113,024	577	70	268	5	56.51
2	27	436	10.00	259	146,521	566	0	0	0	73.26
3	10	33	13.00	27	11,121	412	0	0	0	5.56
4	23	45	6.80	33	20,747	625	27	119	11	10.37
5	13	361	11.00	185	105,888	572	48	185	3	52.94
5	28	404	10.00	221	111,288	504	65	111	2	55.64
6	18	409	9.00	209	121,606	582	71	306	5	60.80
7	3,14	416	10.00	280	120,000	429	0.00	0	0.00	60.00
8	22	0	0.00	0			0	0		0.00
9	11	511	9.00	179	102,451	572	64	360	7	51.23
EVENT TOTALS		3108	8.76	1562	841,525	553.25	345	1349	4.22	421
			Avg.			Avg.			Avg.	
Out of service for at least a portion of the reporting period.										

## Recommendation

This is an informational item only.





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 #2

Tracking Number

PW 2021-09

### Agenda Item Summary Memo

**Title:** Water Department Reports for September – December 2020 and January 2021

**Meeting and Date:** Public Works Committee – March 16, 2021

**Synopsis:** Monthly water reports to be approved by council per IEPA.

### Council Action Previously Taken:

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

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

**Type of Vote Required:** Majority

**Council Action Requested:** Approval

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

### Agenda Item Notes:

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# United City of Yorkville

## WATER DEPARTMENT REPORT

September 2020  
MONTH / YEAR

### WELLS

NO	WELL DEPTH (FEET)	PUMP DEPTH (FEET)	WATER ABOVE PUMP (FEET)	THIS MONTH'S PUMPAGE (GALLONS)
4	1386	664	384	22,086,000
7	1527	1125	430	11,033,400
8	1384	840	447	14,141,000
9	1368	861	278	13,910,000
TOTAL TREATED				61,170,4000

CURRENT MONTH'S PUMPAGE IS 17,389,4000 GALLONS **MORE THAN LAST MONTH**  
1,258,700 GALLONS **LESS THAN LAST YEAR**  
DAILY AVERAGE PUMPED: 2,039,013 GALLONS  
DAILY MAXIMUM PUMPED: 2,732 GALLONS  
DAILY AVERAGE PER CAPITA USE: 94.11 GALLONS

### WATER TREATMENT:

CHLORINE: 1630 LBS. FED CALCULATED CONCENTRATION: 3.46 MG/L  
FLUORIDE: 0 LBS. FED MEASURED CONCENTRATION: .94 MG/L  
POLYPHOSPHATE: 1312 LBS. FED CALCULATED CONCENTRATION: 0.98 MG/L

### WATER QUALITY:

BACTERIOLOGICAL SAMPLES ANALYZED BY ILLINOIS ENVIRONMENTAL PROTECTION AGENCY:  
23 SATISFACTORY        UNSATISFACTORY (EXPLAIN)

FLOURIDE: 12 SAMPLE(S) TAKEN CONCENTRATION: 0.98 MG/L

### MAINTENANCE:

NUMBER OF METERS REPLACED:        NUMBER OF LEAKS OR BREAKS REPAIRED:         
MXU'S: 35 BATTERIES REPLACED:       

### NEW CUSTOMERS:

RESIDENTIAL: 7 COMMERCIAL: 1 INDUSTRIAL/GOVERNMENTAL:       

### COMMENTS:





# United City of Yorkville

## WATER DEPARTMENT REPORT

October 2020  
MONTH / YEAR

### WELLS

NO	WELL DEPTH (FEET)	PUMP DEPTH (FEET)	WATER ABOVE PUMP (FEET)	THIS MONTH'S PUMPAGE (GALLONS)
4	1386	664	384	16,860,000
7	1527	1125	430	10,054,000
8	1384	840	447	14,153,000
9	1368	861	278	14,575,000
TOTAL TREATED				55,642,000

CURRENT MONTH'S PUMPAGE IS 5,528,400 GALLONS **LESS THAN LAST MONTH**  
4,796,000 GALLONS **MORE THAN LAST YEAR**  
DAILY AVERAGE PUMPED: 1,794,903 GALLONS  
DAILY MAXIMUM PUMPED: 2,379 GALLONS  
DAILY AVERAGE PER CAPITA USE: 83.08 GALLONS

### WATER TREATMENT:

CHLORINE: 1482 LBS. FED      CALCULATED CONCENTRATION: 3.45 MG/L  
FLUORIDE: 0 LBS. FED      MEASURED CONCENTRATION: 0.76 MG/L  
POLYPHOSPHATE: 1231 LBS. FED      CALCULATED CONCENTRATION: 1.00 MG/L

### WATER QUALITY:

BACTERIOLOGICAL SAMPLES ANALYZED BY ILLINOIS ENVIRONMENTAL PROTECTION AGENCY:  
23 SATISFACTORY      \_\_\_\_\_ UNSATISFACTORY (EXPLAIN)

FLOURIDE: 8 SAMPLE(S) TAKEN      CONCENTRATION: 0.76 MG/L

### MAINTENANCE:

NUMBER OF METERS REPLACED: 1      NUMBER OF LEAKS OR BREAKS REPAIRED: 3  
MXU'S: 8      BATTERIES REPLACED: \_\_\_\_\_

### NEW CUSTOMERS:

RESIDENTIAL: 25      COMMERCIAL: 0      INDUSTRIAL/GOVERNMENTAL: \_\_\_\_\_

### COMMENTS:





# United City of Yorkville

## WATER DEPARTMENT REPORT

November 2020  
MONTH / YEAR

### WELLS

NO	WELL DEPTH (FEET)	PUMP DEPTH (FEET)	WATER ABOVE PUMP (FEET)	THIS MONTH'S PUMPAGE (GALLONS)
4	1386	664	281	13,017,000
7	1527	1125	430	7,936,200
8	1384	840	418	15,833,000
9	1368	861	200	11,734,000
TOTAL TREATED				48,520,200

CURRENT MONTH'S PUMPAGE IS 7,121,800 GALLONS **LESS THAN LAST MONTH**  
4,287,100 GALLONS **MORE THAN LAST YEAR**

DAILY AVERAGE PUMPED: 1,617,340 GALLONS  
DAILY MAXIMUM PUMPED: 2,188,000 GALLONS  
DAILY AVERAGE PER CAPITA USE: 78.18 GALLONS

### WATER TREATMENT:

CHLORINE: 1118 LBS. FED CALCULATED CONCENTRATION: 2.86 MG/L  
FLUORIDE: 0 LBS. FED MEASURED CONCENTRATION: 0.82 MG/L  
POLYPHOSPHATE: 979 LBS. FED CALCULATED CONCENTRATION: .88 MG/L

### WATER QUALITY:

BACTERIOLOGICAL SAMPLES ANALYZED BY ILLINOIS ENVIRONMENTAL PROTECTION AGENCY:  
23 SATISFACTORY        UNSATISFACTORY (EXPLAIN)

FLOURIDE: 8 SAMPLE(S) TAKEN CONCENTRATION: 0.82 MG/L

### MAINTENANCE:

NUMBER OF METERS REPLACED: 0 NUMBER OF LEAKS OR BREAKS REPAIRED: 3  
MXU'S: 15 BATTERIES REPLACED:       

### NEW CUSTOMERS:

RESIDENTIAL: 13 COMMERCIAL: 0 INDUSTRIAL/GOVERNMENTAL:       

### COMMENTS:





# United City of Yorkville

## WATER DEPARTMENT REPORT

December 2020  
MONTH / YEAR

### WELLS

NO	WELL DEPTH (FEET)	PUMP DEPTH (FEET)	WATER ABOVE PUMP (FEET)	THIS MONTH'S PUMPAGE (GALLONS)
4	1386	664	281	13,017,000
7	1527	1125	430	7,936,200
8	1384	840	449	15,833,000
9	1368	861	335	11,734,000
TOTAL TREATED				48,520,200

CURRENT MONTH'S PUMPAGE IS 929,200 GALLONS **MORE THAN LAST MONTH**

4,461,000 GALLONS **MORE THAN LAST YEAR**

DAILY AVERAGE PUMPED: 1,595,142 GALLONS

DAILY MAXIMUM PUMPED: 2,274,000 GALLONS

DAILY AVERAGE PER CAPITA USE: 73.65 GALLONS

### WATER TREATMENT:

CHLORINE: 1152 LBS. FED CALCULATED CONCENTRATION: 3.02 MG/L

FLUORIDE: 0 LBS. FED MEASURED CONCENTRATION: 1.03 MG/L

POLYPHOSPHATE: 1104 LBS. FED CALCULATED CONCENTRATION: 1.01 MG/L

### WATER QUALITY:

BACTERIOLOGICAL SAMPLES ANALYZED BY ILLINOIS ENVIRONMENTAL PROTECTION AGENCY:  
23 SATISFACTORY        UNSATISFACTORY (EXPLAIN)

FLOURIDE: 8 SAMPLE(S) TAKEN CONCENTRATION: 1.03 MG/L

### MAINTENANCE:

NUMBER OF METERS REPLACED: 3  
MXU'S: 43

NUMBER OF LEAKS OR BREAKS REPAIRED: 3  
BATTERIES REPLACED:       

### NEW CUSTOMERS:

RESIDENTIAL: 22 COMMERCIAL: 0 INDUSTRIAL/GOVERNMENTAL:       

### COMMENTS:





# United City of Yorkville

## WATER DEPARTMENT REPORT

January 2021  
MONTH / YEAR

### WELLS

NO	WELL DEPTH (FEET)	PUMP DEPTH (FEET)	WATER ABOVE PUMP (FEET)	THIS MONTH'S PUMPAGE (GALLONS)
4	1386	664	281	16,443,000
7	1527	1125	430	8,056,200
8	1384	840	449	16,609,000
9	1368	861	220	8,981,000
TOTAL TREATED				50,089,200

CURRENT MONTH'S PUMPAGE IS 639,800 GALLONS **MORE THAN LAST MONTH**

4,023,200 GALLONS **MORE THAN LAST YEAR**

DAILY AVERAGE PUMPED: 1,615,781 GALLONS

DAILY MAXIMUM PUMPED: 2,198,000 GALLONS

DAILY AVERAGE PER CAPITA USE: 75.04 GALLONS

### WATER TREATMENT:

CHLORINE: 1125 LBS. FED

CALCULATED CONCENTRATION: 2.9 MG/L

FLUORIDE: 0 LBS. FED

MEASURED CONCENTRATION: 0.84 MG/L

POLYPHOSPHATE: 1143 LBS. FED

CALCULATED CONCENTRATION: 1.03 MG/L

### WATER QUALITY:

BACTERIOLOGICAL SAMPLES ANALYZED BY ILLINOIS ENVIRONMENTAL PROTECTION AGENCY:  
23 SATISFACTORY        UNSATISFACTORY (EXPLAIN)

FLOURIDE: 12 SAMPLE(S) TAKEN

CONCENTRATION: 0.84 MG/L

### MAINTENANCE:

NUMBER OF METERS REPLACED: 0

NUMBER OF LEAKS OR BREAKS REPAIRED: 1

MXU'S: 15

BATTERIES REPLACED:       

### NEW CUSTOMERS:

RESIDENTIAL: 29

COMMERCIAL: 0

INDUSTRIAL/GOVERNMENTAL:       

### COMMENTS:





Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input 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 #3

Tracking Number

PW 2021-10

### Agenda Item Summary Memo

**Title:** 2021 Road to Better Roads Program

**Meeting and Date:** Public Works Committee – March 16, 2021

**Synopsis:** 2021 Roads to Better Roads – Recommendation to Award

### Council Action Previously Taken:

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

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

**Type of Vote Required:** Majority

**Council Action Requested:** Consideration of Contract Award

**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  
Lisa Pickering, City Clerk  
Rob Fredrickson, Finance Director  
Carri Parker, Purchasing Manager

Date: February 19, 2021  
Subject: 2021 Roads to Better Roads Program

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Bids were received, opened and tabulated for work to be done on the 2021 Roads to Better Roads Program at 10:00 a.m., February 19, 2021. Representatives of contractors bidding the project, the City, and our firm were in attendance. A tabulation of the bids and the engineer's estimate is attached for your information and record. The low bid was below our engineer's estimate and within the FY2022 budget.

We recommend the acceptance of the bid and approval of award be made to the low bidder, D. Construction, Inc. 1488 S. Broadway St. Coal City, IL 60416, in the amount of **\$857,885.67**.

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



**A RESOLUTION OF THE UNITED CITY OF YORKVILLE, KENDALL COUNTY, ILLINOIS, AUTHORIZING ACCEPTANCE OF A BID FROM D. CONSTRUCTION INC. FOR THE 2021 ROAD TO BETTER ROADS PROGRAM IN THE AMOUNT NOT TO EXCEED \$857,885.67.**

**WHEREAS**, the United City of Yorkville, Kendall County, Illinois (the “City”) is a duly organized and validly existing municipality of the State of Illinois pursuant to the 1970 Illinois Constitution and the Illinois Municipal Code, as from time to time amended (65 ILCS 5/65-1-1-2, *et seq.*); and,

**WHEREAS**, the City solicited bids for work to be done on the 2021 Roads to Better Roads Program in accordance with the competitive purchasing process as required by City Code and the Illinois Procurement Code (30 ILCS 500 *et seq.*); and

**WHEREAS**, based upon a review of the bids and a determination as to the qualifications of the bidders, it is recommended that the bid in the amount of \$857,885.67 from the D. Construction, Inc., Coal City, Illinois, be accepted to perform the work for the 2021 Road to Better Roads Program for the City.

**NOW, THEREFORE, BE IT RESOLVED**, by the Mayor and City Council of the United City of Yorkville, Kendall County, Illinois, as follows:

*Section 1.* That the bid submitted by D. Construction, Inc. is hereby accepted in an amount not to exceed \$857,885.67 and the Mayor and City Clerk are hereby authorized and directed on behalf of the United City of Yorkville to execute a contract containing the terms of the request for bid submitted by D. Construction, Inc. and to undertake any and all actions as may be required to implement the terms of the contract.



*Section 2.* That this Resolution shall be in full force and effect from and after its passage and approval as provided by law.

Passed by the City Council of the United City of Yorkville, Kendall County, Illinois  
this \_\_\_\_ day of \_\_\_\_\_, A.D. 2021.

\_\_\_\_\_  
CITY CLERK

KEN KOCH \_\_\_\_\_

DAN TRANSIER \_\_\_\_\_

JACKIE MILSCHEWSKI \_\_\_\_\_

ARDEN JOE PLOCHER \_\_\_\_\_

CHRIS FUNKHOUSER \_\_\_\_\_

JOEL FRIEDERS \_\_\_\_\_

SEAVER TARULIS \_\_\_\_\_

JASON PETERSON \_\_\_\_\_

**APPROVED** by me, as Mayor of the United City of Yorkville, Kendall County, Illinois  
this \_\_\_\_ day of \_\_\_\_\_, A.D. 2021.

\_\_\_\_\_  
MAYOR

*Attest:*

\_\_\_\_\_  
CITY CLERK





Outstanding Service ~ Every Client ~ Every Day

BID TABULATION 2021 YORKVILLE ROAD PROGRAM UNITED CITY OF YORKVILLE											
		BID TABULATION BIDS RECD 2/19/2021		D. CONSTRUCTION, INC. 1488 S. Broadway Coal City, IL 60416		BUILDERS PAVING LLC 4413 Roosevelt Road, Suite 108 Hillside, IL 60162		GENEVA CONSTRUCTION CO. P.O. Box 998 Aurora, IL 60507		ENGINEER'S ESTIMATE 52 Wheeler Road Sugar Grove, IL 60554	
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
1	SUPPLEMENTAL WATERING	UNIT	11.0	\$ 0.01	\$ 0.11	\$ 0.01	\$ 0.11	\$ 0.01	\$ 0.11	\$ 100.00	\$ 1,100.00
2	BITUMINOUS MATERIALS (TACK COAT)	POUND	24678.0	\$ 0.01	\$ 246.78	\$ 0.01	\$ 246.78	\$ 0.01	\$ 246.78	\$ 0.10	\$ 2,467.80
3	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	945.0	\$ 10.00	\$ 9,450.00	\$ 5.00	\$ 4,725.00	\$ 15.00	\$ 14,175.00	\$ 15.00	\$ 14,175.00
4	HOT-MIX ASPHALT BINDER COURSE, IL- 9.5, N50	TON	3157.0	\$ 63.70	\$ 201,100.90	\$ 69.00	\$ 217,833.00	\$ 68.00	\$ 214,676.00	\$ 70.00	\$ 220,990.00
5	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	3157.0	\$ 63.70	\$ 201,100.90	\$ 69.00	\$ 217,833.00	\$ 68.00	\$ 214,676.00	\$ 70.00	\$ 220,990.00
6	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	5472.0	\$ 6.60	\$ 36,115.20	\$ 6.00	\$ 32,832.00	\$ 6.90	\$ 37,756.80	\$ 7.50	\$ 41,040.00
7	DETECTABLE WARNINGS	SQ FT	394.0	\$ 33.00	\$ 13,002.00	\$ 30.00	\$ 11,820.00	\$ 25.00	\$ 9,850.00	\$ 30.00	\$ 11,820.00
8	SIDEWALK REMOVAL	SQ FT	5474.0	\$ 1.38	\$ 7,554.12	\$ 2.00	\$ 10,948.00	\$ 1.20	\$ 6,568.80	\$ 1.50	\$ 8,211.00
9	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	12550.0	\$ 2.65	\$ 33,257.50	\$ 2.85	\$ 35,767.50	\$ 3.00	\$ 37,650.00	\$ 3.00	\$ 37,650.00
10	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	24000.0	\$ 2.35	\$ 56,400.00	\$ 2.55	\$ 61,200.00	\$ 3.00	\$ 72,000.00	\$ 2.00	\$ 48,000.00
11	CLASS D PATCHES, TYPE I, 3 INCH	SQ YD	14.0	\$ 33.00	\$ 462.00	\$ 25.00	\$ 350.00	\$ 40.00	\$ 560.00	\$ 35.00	\$ 490.00
12	CLASS D PATCHES, TYPE II, 3 INCH	SQ YD	77.0	\$ 32.00	\$ 2,464.00	\$ 24.00	\$ 1,848.00	\$ 26.00	\$ 2,002.00	\$ 33.00	\$ 2,541.00
13	CLASS D PATCHES, TYPE III, 3 INCH	SQ YD	251.0	\$ 25.00	\$ 6,275.00	\$ 23.00	\$ 5,773.00	\$ 25.00	\$ 6,275.00	\$ 30.00	\$ 7,530.00
14	CLASS D PATCHES, TYPE IV, 3 INCH	SQ YD	1476.0	\$ 22.00	\$ 32,472.00	\$ 22.50	\$ 33,210.00	\$ 19.00	\$ 28,044.00	\$ 28.00	\$ 41,328.00
15	CRACK ROUTING (PAVEMENT)	FOOT	100000.0	\$ 0.02	\$ 2,000.00	\$ 0.01	\$ 1,000.00	\$ 0.02	\$ 2,000.00	\$ 0.01	\$ 1,000.00
16	CRACK FILLING	POUND	33334.0	\$ 1.32	\$ 44,000.88	\$ 1.19	\$ 39,667.46	\$ 1.20	\$ 40,000.80	\$ 1.40	\$ 46,667.60
17	ROUTING AND SEALING CRACKS	FOOT	16546.0	\$ 0.48	\$ 7,942.08	\$ 0.43	\$ 7,114.78	\$ 0.44	\$ 7,280.24	\$ 0.50	\$ 8,273.00
18	MANHOLES TO BE ADJUSTED	EACH	22.0	\$ 484.00	\$ 10,648.00	\$ 440.00	\$ 9,680.00	\$ 500.00	\$ 11,000.00	\$ 550.00	\$ 12,100.00
19	INLETS TO BE ADJUSTED	EACH	25.0	\$ 352.00	\$ 8,800.00	\$ 350.00	\$ 8,750.00	\$ 280.00	\$ 7,000.00	\$ 350.00	\$ 8,750.00
20	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	1.0	\$ 2,500.00	\$ 2,500.00	\$ 400.00	\$ 400.00	\$ 3,500.00	\$ 3,500.00	\$ 1,750.00	\$ 1,750.00
21	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	3.0	\$ 880.00	\$ 2,640.00	\$ 800.00	\$ 2,400.00	\$ 850.00	\$ 2,550.00	\$ 650.00	\$ 1,950.00
22	VALVE BOXES TO BE ADJUSTED	EACH	11.0	\$ 275.00	\$ 3,025.00	\$ 275.00	\$ 3,025.00	\$ 350.00	\$ 3,850.00	\$ 400.00	\$ 4,400.00





Outstanding Service ~ Every Client ~ Every Day

BID TABULATION 2021 YORKVILLE ROAD PROGRAM UNITED CITY OF YORKVILLE											
		BID TABULATION BIDS RECD 2/19/2021		D. CONSTRUCTION, INC. 1488 S. Broadway Coal City, IL 60416		BUILDERS PAVING LLC 4413 Roosevelt Road, Suite 108 Hillside, IL 60162		GENEVA CONSTRUCTION CO. P.O. Box 998 Aurora, IL 60507		ENGINEER'S ESTIMATE 52 Wheeler Road Sugar Grove, IL 60554	
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
23	SANITARY MANHOLES TO BE ADJUSTED	EACH	19.0	\$ 577.50	\$ 10,972.50	\$ 525.00	\$ 9,975.00	\$ 1,000.00	\$ 19,000.00	\$ 900.00	\$ 17,100.00
24	SANITARY MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	10.0	\$ 924.00	\$ 9,240.00	\$ 840.00	\$ 8,400.00	\$ 1,350.00	\$ 13,500.00	\$ 1,250.00	\$ 12,500.00
25	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	71.0	\$ 11.00	\$ 781.00	\$ 5.20	\$ 369.20	\$ 5.20	\$ 369.20	\$ 5.00	\$ 355.00
26	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	3849.0	\$ 0.70	\$ 2,694.30	\$ 1.20	\$ 4,618.80	\$ 1.20	\$ 4,618.80	\$ 0.70	\$ 2,694.30
27	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	385.0	\$ 1.90	\$ 731.50	\$ 1.50	\$ 577.50	\$ 1.50	\$ 577.50	\$ 1.80	\$ 693.00
28	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	142.0	\$ 2.40	\$ 340.80	\$ 2.00	\$ 284.00	\$ 2.00	\$ 284.00	\$ 2.25	\$ 319.50
29	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	90.0	\$ 3.30	\$ 297.00	\$ 2.60	\$ 234.00	\$ 2.60	\$ 234.00	\$ 2.50	\$ 225.00
30	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	67.0	\$ 11.00	\$ 737.00	\$ 5.20	\$ 348.40	\$ 5.20	\$ 348.40	\$ 8.00	\$ 536.00
31	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	SQ FT	540.0	\$ 5.70	\$ 3,078.00	\$ 5.00	\$ 2,700.00	\$ 5.00	\$ 2,700.00	\$ 6.00	\$ 3,240.00
32	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	7710.0	\$ 0.86	\$ 6,630.60	\$ 0.78	\$ 6,013.80	\$ 0.78	\$ 6,013.80	\$ 1.20	\$ 9,252.00
33	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	5490.0	\$ 1.32	\$ 7,246.80	\$ 1.20	\$ 6,588.00	\$ 1.20	\$ 6,588.00	\$ 1.50	\$ 8,235.00
34	POLYUREA PAVEMENT MARKING TYPE I - LINE 8"	FOOT	360.0	\$ 1.43	\$ 514.80	\$ 1.65	\$ 594.00	\$ 1.65	\$ 594.00	\$ 2.50	\$ 900.00
35	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	530.0	\$ 2.40	\$ 1,272.00	\$ 2.50	\$ 1,325.00	\$ 2.50	\$ 1,325.00	\$ 4.00	\$ 2,120.00
36	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	230.0	\$ 5.70	\$ 1,311.00	\$ 5.00	\$ 1,150.00	\$ 5.00	\$ 1,150.00	\$ 8.00	\$ 1,840.00
37	SODDING, SPECIAL	SQ YD	1223.0	\$ 15.00	\$ 18,345.00	\$ 13.65	\$ 16,693.95	\$ 13.05	\$ 15,960.15	\$ 20.00	\$ 24,460.00
38	PORTLAND CEMENT CONCRETE DRIVEWAY REMOVAL AND REPLACEMENT	SQ YD	171.0	\$ 66.00	\$ 11,286.00	\$ 65.00	\$ 11,115.00	\$ 85.00	\$ 14,535.00	\$ 65.00	\$ 11,115.00
39	HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT	SQ YD	76.0	\$ 52.00	\$ 3,952.00	\$ 38.50	\$ 2,926.00	\$ 42.00	\$ 3,192.00	\$ 45.00	\$ 3,420.00
40	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	2931.0	\$ 31.90	\$ 93,498.90	\$ 31.00	\$ 90,861.00	\$ 37.00	\$ 108,447.00	\$ 35.00	\$ 102,585.00
41	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1.0	\$ 3,500.00	\$ 3,500.00	\$ 1,690.72	\$ 1,690.72	\$ 8,000.00	\$ 8,000.00	\$ 3,500.00	\$ 3,500.00
	TOTAL BID				857,885.67		872,888.00		929,098.38		948,313.20

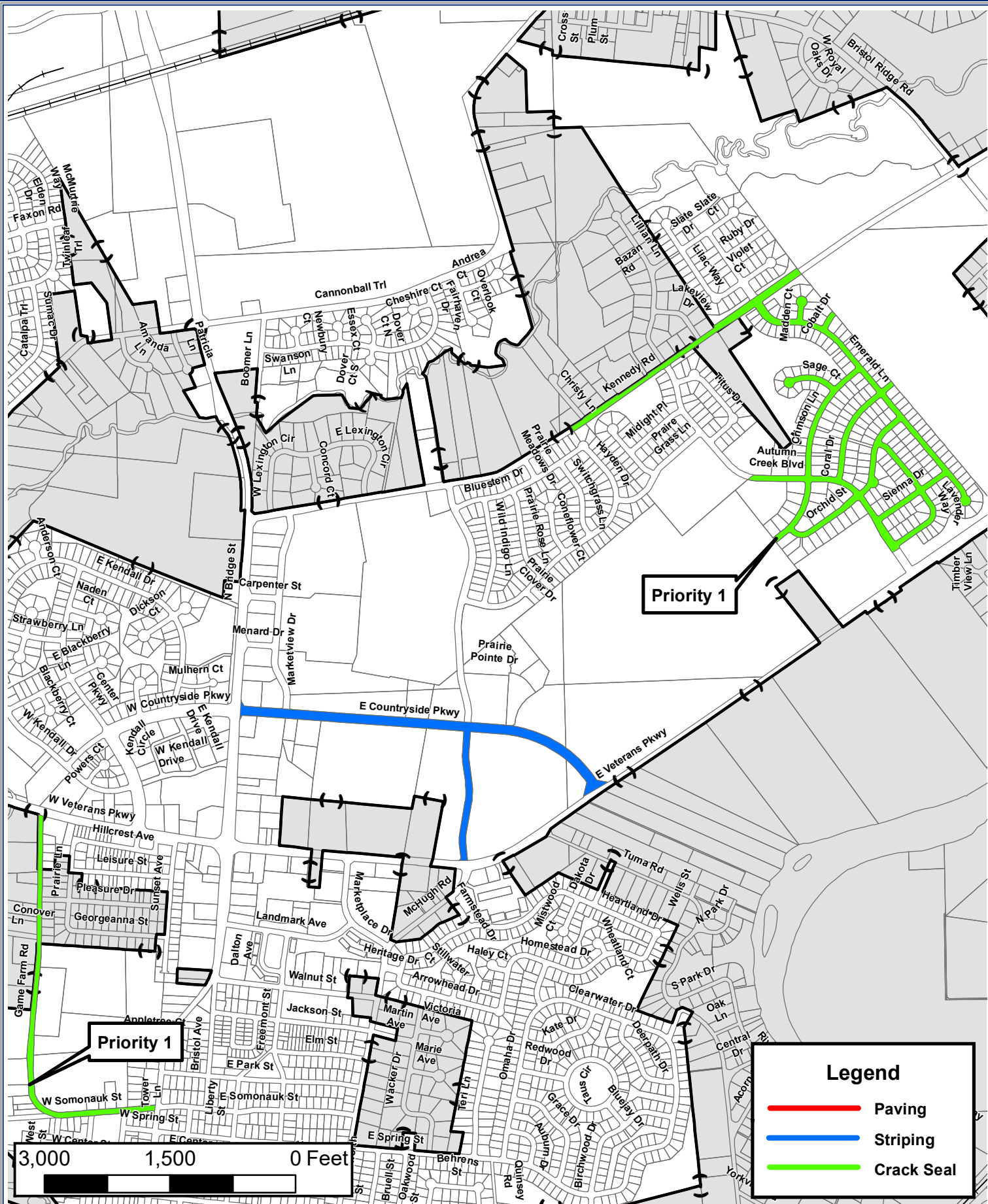
% BELOW/ABOVE ENGINEER'S ESTIMATE

-9.54%

-7.95%

-2.03%





**Engineering Enterprises, Inc.**

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



**United City of Yorkville**

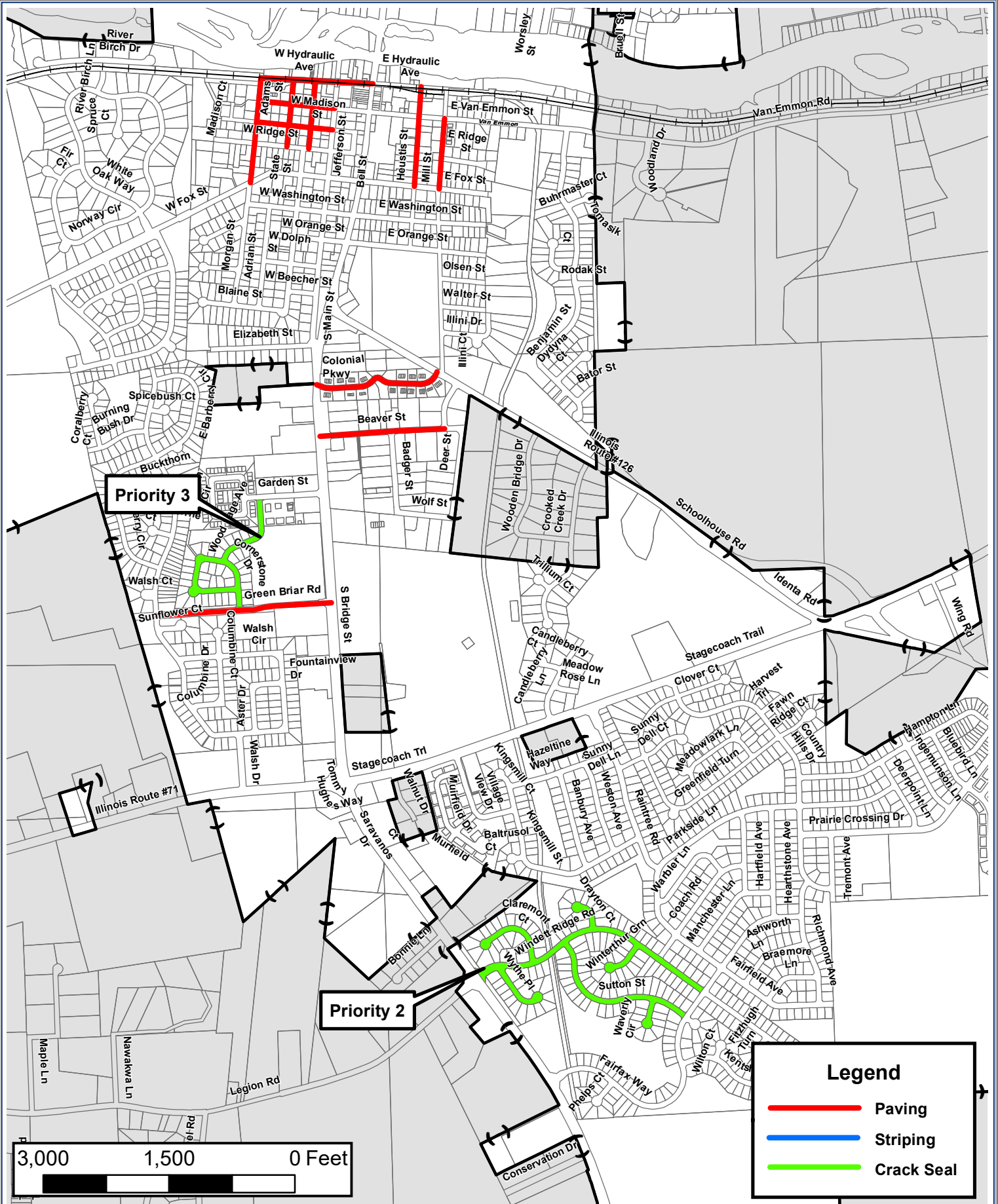
800 Game Farm Road  
Yorkville, IL 60560  
630-553-4350

DATE: JANUARY 2021  
PROJECT NO.: YO2025  
BY: MUT  
PATH: HIGIS\PUBLIC\YORKVILLE\2020  
FILE: YO2025\_Crack Seal Priority Exhibit.MXD

**ROAD PROGRAM  
LOCATION MAP  
NORTH**







# Engineering Enterprises, Inc.

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



## United City of Yorkville

800 Game Farm Road  
Yorkville, IL 60560  
630-553-4350

DATE: JANUARY 2021  
PROJECT NO.: YO2025  
BY: MUT  
PATH: H:\GIS\PUBLIC\YORKVILLE\2020  
FILE: YO2025\_Crack Seal Priority Exhibit.MXD

## ROAD PROGRAM LOCATION MAP SOUTH







Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input 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 type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #4

Tracking Number

PW 2021-11

### Agenda Item Summary Memo

**Title:** 2021 Road to Better Roads Program – Construction Engineering Agreement

**Meeting and Date:** Public Works Committee – March 16, 2021

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

### 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:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_





# Memorandum

To: City Council  
From: Bart Olson, City Administrator  
CC:  
Date: March 11, 2020  
Subject: Road to Better Roads Construction Engineering Agreement

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## **Summary**

Approval of a construction engineering agreement with EEI for the 2021 Road to Better Roads (RTBR) program.

## **Background**

This item was last discussed by the City Council in November 2020, when the City Council approved the design engineering contract for the 2021 RTBR program. Since that meeting, the roadway resurfacing specs have been finalized, the work has been bid out, and the contract award is ready to be approved by City Council. Accordingly, EEI has submitted an engineering agreement for our consideration for construction engineering.

The attached contract contains a \$66,291 cost estimate based on the hourly rate allocations in attachment C. These amounts are included in the FY 22 budget. Construction is expected to occur in Summer 2022.

## **Recommendation**

Staff recommends approval of the construction engineering agreement with EEI for the 2021 Road to Better Roads program.



**2021 Roads to Better Roads Program  
United City of Yorkville  
Professional Services Agreement - Construction 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 included Attachment B. Construction Engineering for all roadways indicated on Attachments E & F will be provided. Engineering will be in accordance with all City and Illinois Department of Transportation 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. Construction Engineering will be paid for as a Hourly Rate in the amount of \$66,261. The hourly rates for this project are shown in the attached 2021 Standard Schedule of Charges (Attachment G). 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) ☒ 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 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 attachments are 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 |



**Attachment D:** Anticipated Project Schedule  
**Attachment E:** Location Map North  
**Attachment F:** Location Map South  
**Attachment G:** 2021 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 \_\_\_\_\_, 2021.

United City of Yorkville:

Engineering Enterprises, Inc.:

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John Purcell  
Mayor

---

Brad Sanderson, P.E.  
Chief Operating Officer / President

---

Lisa Pickering  
City Clerk

---

Joseph W. Cwynar, P.E.  
Senior Project Manager



## 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.

**Payment of Invoices:** Invoices are due and payable within 30 days of receipt unless otherwise agreed to in writing.

**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.



**2021 Roads to Better Roads Program  
United City of Yorkville  
Professional Services Agreement - Construction Engineering**

**Attachment B – Scope of Services**

**Construction Engineering:**

- Attend the Pre-Construction Conference with the Contractor
- Provide resident engineering for on-site observation
- Daily documentation of work tasks and calculation of installed pay items
- Monitor adherence to specifications
- Gather material inspection and coordinate any required testing on behalf of the City
- Provide guidance to the contractor when questions arise during construction
- Prepare/verify payment estimates
- Gather certified payrolls and waivers of lien
- Provide information to residents as required
- Perform punch list inspections, provide follow up inspections and recommend acceptance when appropriate
- Communicate activities with City weekly, or as required based on onsite activities
- Prepare necessary IDOT closeout paperwork
  - BLR13231 – Engineer's Final Payment Estimate
  - BLR13210 – Request for Approval of Change in Plans





Engineering Enterprises, Inc.

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

2021 ROADS TO BETTER ROADS PROGRAM  
United City of Yorkville



Outstanding Service ~ Every Client ~ Every Day

WORK ITEM NO.	WORK ITEM	ENTITY:	ENGINEERING				SURVEYING			DRAFTING		ADMIN.	WORK ITEM HOUR SUMM.	COST PER ITEM
		PROJECT ROLE:	PRINCIPAL IN CHARGE	SENIOR PROJECT MANAGER	SENIOR PROJECT ENGINEER	PROJECT ENGINEER	SENIOR PROJECT MANAGER	PROJECT MANAGER	PROJECT TECHNICIAN	CAD MANAGER	SENIOR PROJECT TECHNICIAN	ADMIN.		
		HOURLY RATE:	\$217	\$206	\$162	\$147	\$206	\$185	\$158	\$158	\$147	\$70		
CONSTRUCTION ENGINEERING														
3.1	Contract Administration		2	3	40	-							45	\$ 7,532
3.2	Construction Layout				40	-							40	\$ 6,480
3.3	Observation and Documentation		1	2	280	-							283	\$ 45,989
Construction Engineering Subtotal:			3	5	360	-	-	-	-	-	-	-	368	\$ 60,001
PROJECT TOTAL:			3	5	360	-	-	-	-	-	-	-	368	60,001

DIRECT EXPENSES	
Printing =	\$ -
Mileage =	\$ 1,260
Geotechnical (Rubino) =	
Material Testing (Rubino) =	\$ 5,000
<b>DIRECT EXPENSES =</b>	<b>\$ 6,260</b>

LABOR SUMMARY	
Engineering Expenses =	\$ 60,001
Surveying Expenses =	\$ -
Drafting Expenses =	\$ -
Administrative Expenses =	\$ -
<b>TOTAL LABOR EXPENSES =</b>	<b>\$ 60,001</b>

<b>TOTAL EXPENSES =</b>	<b>\$ 66,261</b>
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Engineering Enterprises, Inc.

# ATTACHMENT D: ANTICIPATED PROJECT SCHEDULE 2021 ROADS TO BETTER ROADS PROGRAM UNITED CITY OF YORKVILLE



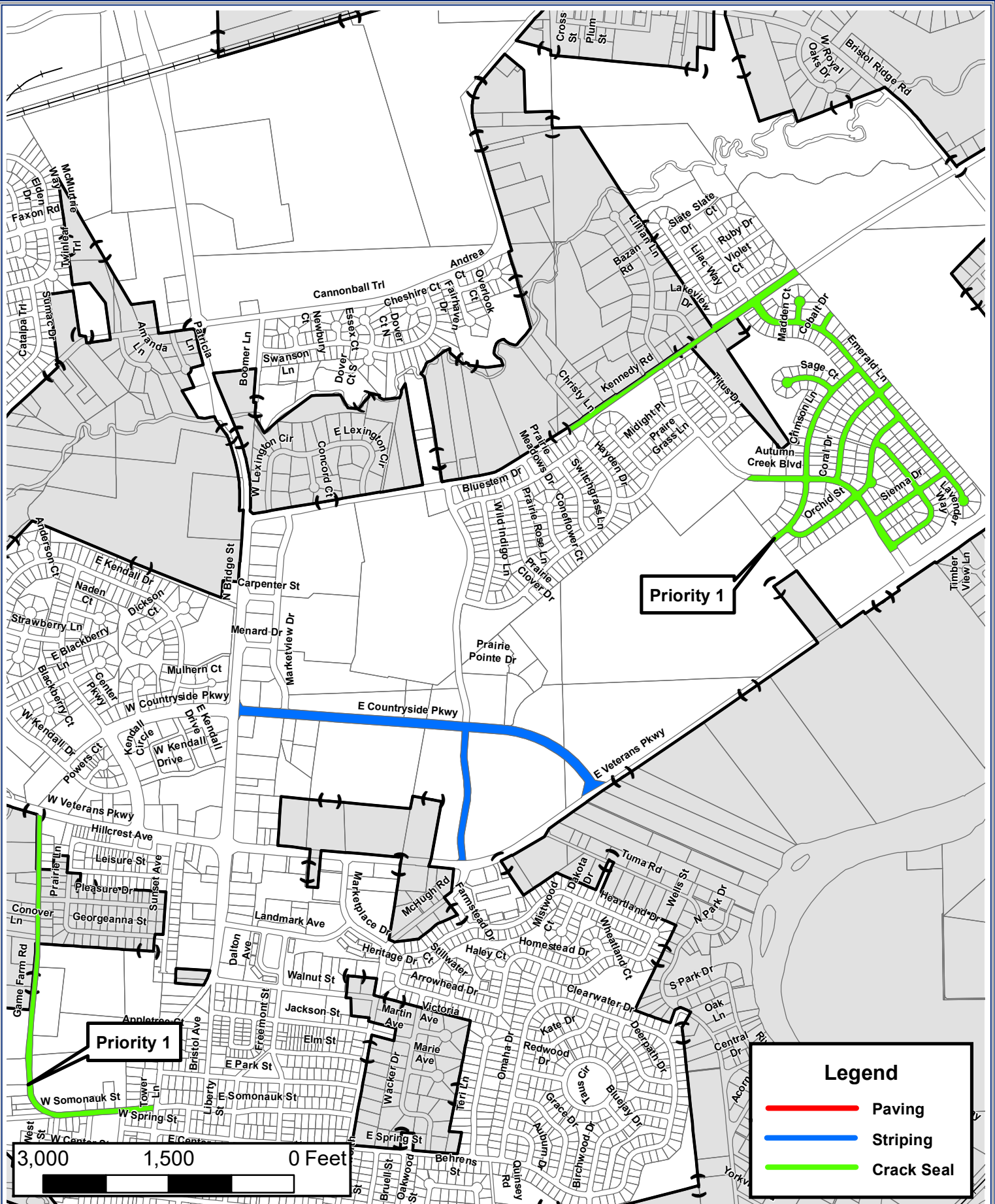
Outstanding Service ~ Every Client ~ Every Day

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Legend	
	Project Management & QC/QA
	Meeting(s)
	Bidding and Contracting
	Preliminary
	Design Work Item
	Construction





# **Engineering Enterprises, Inc.**

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



## **United City of Yorkville**

800 Game Farm Road  
Yorkville, IL 60560  
630-553-4350

DATE: JANUARY 2021  
PROJECT NO.: YO2025  
BY: MUT  
PATH: HGIS\PUBLIC\YORKVILLE\2020  
FILE: YO2025\_Crack Seal Priority Exhibit.MXD

## **ATTACHEMENT E - ROAD PROGRAM LOCATION MAP NORTH**











## *Standard Schedule of Charges*

*January 1, 2021*

EMPLOYEE DESIGNATION	CLASSIFICATION	HOURLY RATE
Senior Principal	E-4	\$217.00
Principal	E-3	\$212.00
Senior Project Manager	E-2	\$206.00
Project Manager	E-1	\$185.00
Senior Project Engineer/Planner/Surveyor II	P-6	\$174.00
Senior Project Engineer/Planner/Surveyor I	P-5	\$162.00
Project Engineer/Planner/Surveyor	P-4	\$147.00
Senior Engineer/Planner/Surveyor	P-3	\$135.00
Engineer/Planner/Surveyor	P-2	\$123.00
Associate Engineer/Planner/Surveyor	P-1	\$110.00
Senior Project Technician II	T-6	\$158.00
Senior Project Technician I	T-5	\$147.00
Project Technician	T-4	\$135.00
Senior Technician	T-3	\$123.00
Technician	T-2	\$110.00
Associate Technician	T-1	\$ 97.00
GIS Technician	G-1	\$100.00
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		\$ 200.00
Expert Testimony		\$ 250.00





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

Agenda Item Number

New Business #5

Tracking Number

PW 2021-12

### Agenda Item Summary Memo

**Title:** Elizabeth Street and Appletree Court Water Main Improvements

**Meeting and Date:** Public Works Committee – March 16, 2021

**Synopsis:** Elizabeth Street and Appletree Court Water Main Improvements –

Recommendation to Award

#### Council Action Previously Taken:

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

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

**Type of Vote Required:** Majority

**Council Action Requested:** Consideration of Contract Award

**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  
Lisa Pickering, City Clerk  
Rob Fredrickson, Finance Director  
Carri Parker, Purchasing Manager

Date: March 9, 2021  
Subject: Elizabeth Street and Appletree Court Water Main Improvements

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Bids were received, opened, and tabulated for work to be done on the Elizabeth Street and Appletree Court Water Main Improvements at 10:00 a.m., March 5, 2021. Representatives of contractors bidding the project, the City and our firm were in attendance. A tabulation of the bids and the engineer's estimate is attached for your information and record. The low bid was below our engineer's estimate and within the FY22 budget.

Two alternatives were proposed for construction of the water services. Alternate A is the lower cost; therefore, we are recommending this option which consists of both open cut and trenchless construction.

We recommend the acceptance of the Base Bid (\$561,869.76) plus Alternate Bid A (\$38,425.36) and approval of award be made to the low bidder, Stokes Excavating, Inc, 903 Daisyfield Road, Rockford, IL 61102 in the total amount of **\$600,295.12**.

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



**A RESOLUTION OF THE UNITED CITY OF YORKVILLE, KENDALL COUNTY, ILLINOIS, AUTHORIZING ACCEPTANCE OF A BID FROM STOKES EXCAVATING, INC., ROCKFORD, ILLINOIS FOR THE ELIZABETH STREET AND APPLETREE COURT WATER MAIN IMPROVEMENTS IN THE AMOUNT NOT TO EXCEED \$600,295.12**

**WHEREAS**, the United City of Yorkville, Kendall County, Illinois (the “City”) is a duly organized and validly existing municipality of the State of Illinois pursuant to the 1970 Illinois Constitution and the Illinois Municipal Code, as from time to time amended (65 ILCS 5/65-1-1-2, *et seq.*); and,

**WHEREAS**, the City solicited bids for work to be done on the Elizabeth Street and Appletree Court Water Main Improvements in accordance with the competitive purchasing process as required by City Code and the Illinois Procurement Code (30 ILCS 500 *et seq.*); and

**WHEREAS**, based upon a review of the bids and a determination as to the qualifications of the bidders, it is recommended that the Base Bid in the amount of \$561,869.76 plus the Alternative Bid A in the amount of \$38,425.36 for a total bid in the amount of \$600,295.12 from the Stokes Excavating, Inc., Rockford, Illinois, be accepted to perform the work for the Elizabeth Street and Appletree Court Water Main Improvements for the City.

**NOW, THEREFORE, BE IT RESOLVED**, by the Mayor and City Council of the United City of Yorkville, Kendall County, Illinois, as follows:

*Section 1.* That the bid submitted by Stokes Excavating , Inc. is hereby accepted in an amount not to exceed \$600,295.12 which includes a Base Bid of \$561,869.76 plus Alternative Bid A in the amount of \$38,425.36; and, the Mayor and City Clerk are hereby authorized and directed on behalf of the United City of Yorkville to execute a contract containing the terms of the request



for bid submitted by Stokes Excavating, Inc. and to undertake any and all actions as may be required to implement the terms of the contract.

*Section 2.* That this Resolution shall be in full force and effect from and after its passage and approval as provided by law.

Passed by the City Council of the United City of Yorkville, Kendall County, Illinois  
this \_\_\_\_ day of \_\_\_\_\_, A.D. 2021.

\_\_\_\_\_  
CITY CLERK

KEN KOCH \_\_\_\_\_

DAN TRANSIER \_\_\_\_\_

JACKIE MILSCHEWSKI \_\_\_\_\_

ARDEN JOE PLOCHER \_\_\_\_\_

CHRIS FUNKHOUSER \_\_\_\_\_

JOEL FRIEDERS \_\_\_\_\_

SEAVER TARULIS \_\_\_\_\_

JASON PETERSON \_\_\_\_\_

**APPROVED** by me, as Mayor of the United City of Yorkville, Kendall County, Illinois  
this \_\_\_\_ day of \_\_\_\_\_, A.D. 2021.

\_\_\_\_\_  
MAYOR

*Attest:*

\_\_\_\_\_  
CITY CLERK



<b>BID SUMMARY</b> <b>ELIZABETH STREET AND APPLETREE COURT WATER MAIN IMPROVEMENTS</b> <b>UNITED CITY OF YORKVILLE</b>				
BID TABULATION BIDS RECEIVED 10:00 A.M. 03/05/2021	<b>ENGINEER'S ESTIMATE</b> 52 Wheeler Road Sugar Grove, IL 60554	<b>STOKES EXCAVATION, INC.</b> 903 DAISYFIELD ROAD ROCKFORD, IL 61102	<b>H. LIDEN &amp; SONS SEWER &amp; WATER</b> 722 E. SOUTH STREET, UNIT D PLANO, IL 60545	<b>GERARDI SEWER &amp; WATER CO.</b> 1785 W ARMITAGE COURT ADDISON, IL 60101
<b>BASE BID TOTAL</b>	\$657,969.75	\$561,869.76	\$611,578.00	\$618,237.51
<b>ALTERNATE A BID TOTAL</b>	\$40,095.00	\$38,425.36	\$35,610.00	\$43,680.00
<b>ALTERNATE B BID TOTAL</b>	\$44,680.00	\$60,872.08	\$43,170.00	\$10,415.00
<b>BID BOND</b>	<b>N/A</b>	<b>X</b>	<b>X</b>	<b>X</b>
<b>SIGNED BID</b>	<b>N/A</b>	<b>X</b>	<b>X</b>	<b>X</b>
<b>ADDENDUM 1</b>	<b>N/A</b>	<b>X</b>	<b>X</b>	<b>X</b>
BID TABULATION BIDS RECEIVED 10:00 A.M. 03/05/2021	<b>MAURO SEWER CONSTRUCTION, INC.</b> 1251 REDEKER ROAD DES PLAINES, IL 60016	<b>HOLIDAY SEWER AND WATER CONSTRUCTION, INC.</b> 100 N. RAND ROAD, UNIT 116 WAUCONDA, IL 60084	<b>PERFORMANCE CONSTRUCTION AND ENGINEERING, LLC</b> 217 W JOHN STREET PLANO, IL 60546	<b>CONLEY EXCAVATING, INC.</b> 1555 GRAMERCY PLACE MORRIS, IL 60450
<b>BASE BID TOTAL</b>	\$618,712.75	\$625,000.01	\$639,904.00	\$670,485.75
<b>ALTERNATE A BID TOTAL</b>	\$27,840.00	\$1,117.00	\$13,704.00	\$55,224.50
<b>ALTERNATE B BID TOTAL</b>	\$33,540.00	\$1,117.00	\$18,234.00	\$62,385.50
<b>BID BOND</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
<b>SIGNED BID</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
<b>ADDENDUM 1</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
BID TABULATION BIDS RECEIVED 10:00 A.M. 03/05/2021	<b>J&amp;S CONSTRUCTION SEWER &amp; WATER</b> 130 KIRKLAND CIRCLE OSWEGO, IL 60543	<b>AUSTIN TYLER CONSTRUCTION, INC.</b> 23343 S. RIDGE ROAD ELWOOD, IL 60421	<b>ACQUA CONTRACTORS CORP.</b> 551 S IL ROUTE 83 ELMHURST, IL 60126	<b>WINNINGER EXCAVATING, INC.</b> 1211 DEER STREET YORKVILLE, IL 60560
<b>BASE BID TOTAL</b>	\$708,565.15	\$723,801.55	\$735,000.00	\$742,186.00
<b>ALTERNATE A BID TOTAL</b>	\$62,909.75	\$558.50	\$4,217.00	\$64,367.00
<b>ALTERNATE B BID TOTAL</b>	\$58,173.35	\$558.50	\$9,811.00	\$128,451.00
<b>BID BOND</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
<b>SIGNED BID</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
<b>ADDENDUM 1</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>

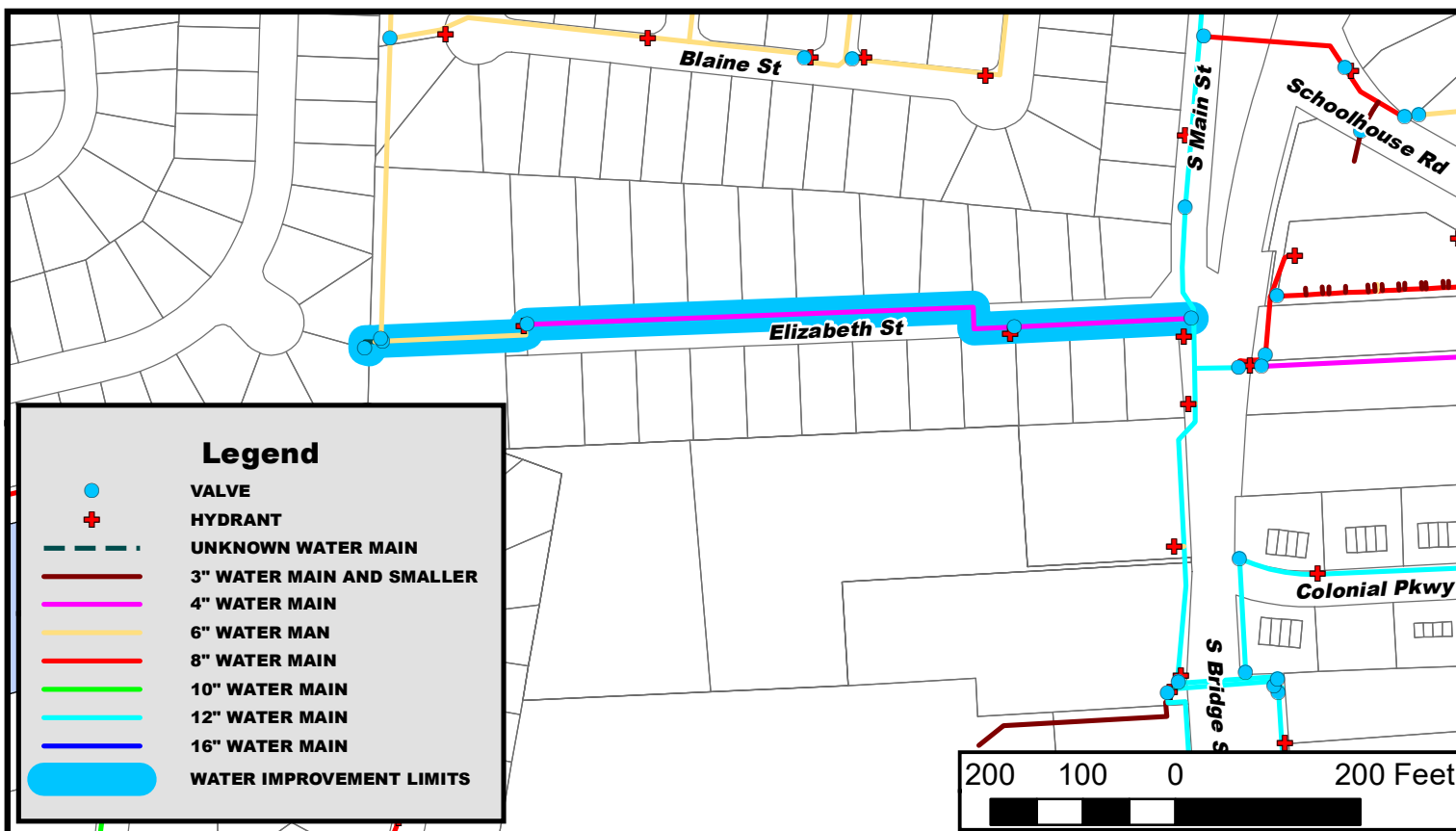
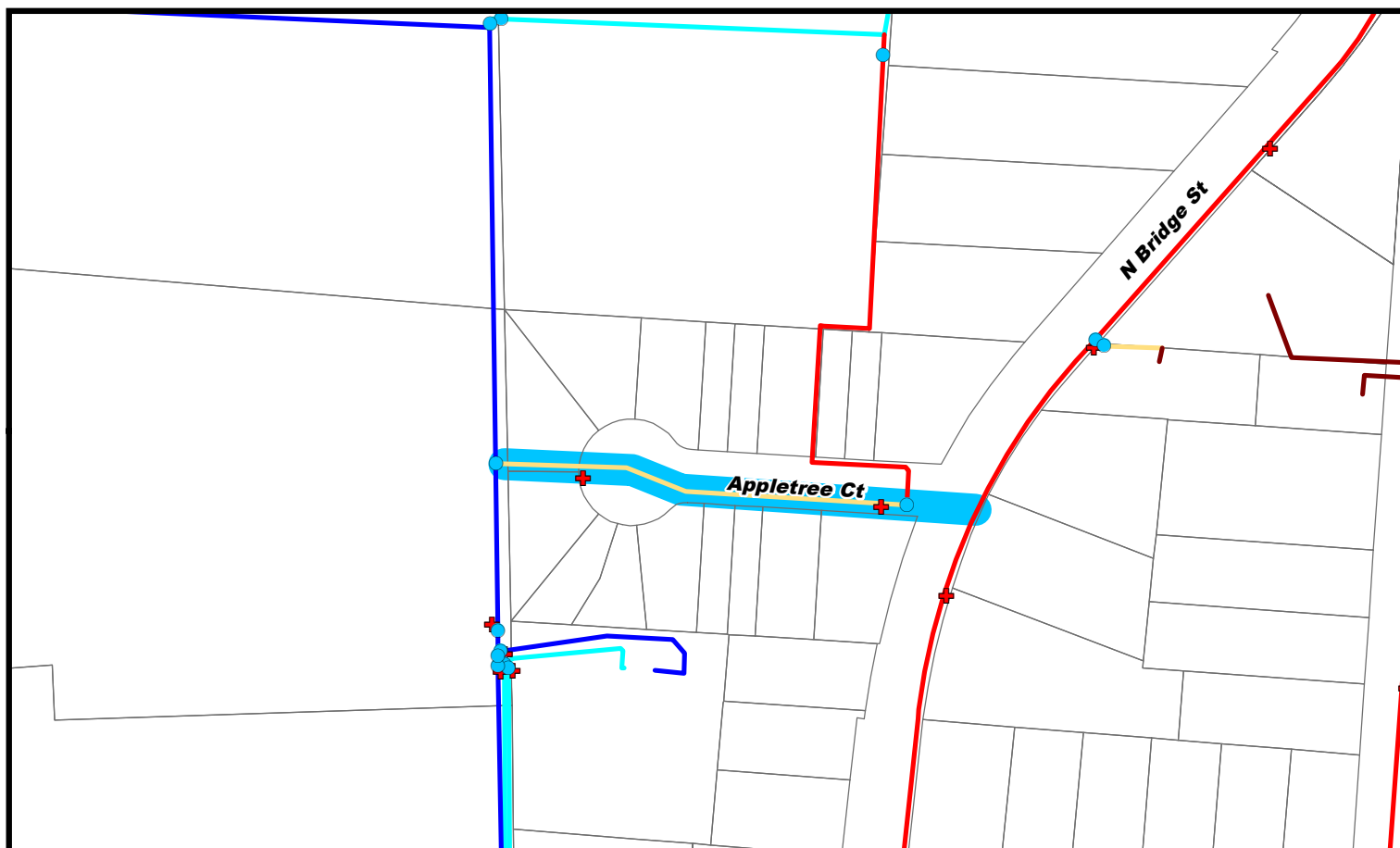


BID TABULATION ELIZABETH STREET AND APPLETREE COURT WATER MAIN IMPROVEMENTS UNITED CITY OF YORKVILLE																													
				BID TABULATION BIDS RECD 3/5/2021		STOKES EXCAVATION, INC. 903 DAISYFIELD ROAD ROCKFORD, IL 61102		H. LIDEN & SONS SEWER & WATER 722 E. SOUTH STREET, UNIT D PLANO, IL 60545		GERARDI SEWER & WATER CO. 1785 W ARMITAGE COURT ADDISON, IL 60101		MAURO SEWER CONSTRUCTION, INC. 1251 REDEKER ROAD DES PLAINES, IL 60016		HOLIDAY SEWER AND WATER CONSTRUCTION, INC. 100 N. RAND ROAD, UNIT 116 WAUCONDA, IL 60084		PERFORMANCE CONSTRUCTION AND ENGINEERING, LLC 217 W JOHN STREET PLANO, IL 60546		CONLEY EXCAVATING, INC. 1555 GRAMERCY PLACE MORRIS, IL 60450		J&S CONSTRUCTION SEWER & WATER 130 KIRKLAND CIRCLE OSWEGO, IL 60543		AUSTIN TYLER CONSTRUCTION, INC. 23343 S. RIDGE ROAD ELWOOD, IL 60421		ACQUA CONTRACTORS CORP. 551 S IL ROUTE 83 ELMHURST, IL 60126		WINNINGER EXCAVATING, INC. 1211 DEER STREET YORKVILLE, IL 60560		ENGINEER'S ESTIMATE 52 Wheeler Road Sugar Grove, IL 60554	
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
1	TREE REMOVAL, 6-15 UNIT DIAMETER	UNIT	10	\$ 50.00	\$ 500.00	\$ 25.00	\$ 250.00	\$ 44.00	\$ 440.00	\$ 110.00	\$ 1,100.00	\$ 100.00	\$ 1,000.00	\$ 44.00	\$ 440.00	\$ 40.00	\$ 400.00	\$ 33.00	\$ 330.00	\$ 30.00	\$ 300.00	\$ 45.00	\$ 450.00	\$ 120.00	\$ 1,200.00	\$ 50.00	\$ 500.00		
2	TREE REMOVAL, OVER 15 UNIT DIAMETER	UNIT	40	\$ 80.00	\$ 3,200.00	\$ 35.00	\$ 1,400.00	\$ 44.00	\$ 1,760.00	\$ 90.00	\$ 3,600.00	\$ 80.00	\$ 3,200.00	\$ 44.00	\$ 1,760.00	\$ 50.00	\$ 2,000.00	\$ 66.00	\$ 2,640.00	\$ 40.00	\$ 1,600.00	\$ 45.00	\$ 1,800.00	\$ 240.00	\$ 9,600.00	\$ 75.00	\$ 3,000.00		
3	TREE ROOT PRUNING	EACH	1	\$ 500.00	\$ 500.00	\$ 110.00	\$ 110.00	\$ 300.00	\$ 300.00	\$ 110.00	\$ 110.00	\$ 100.00	\$ 100.00	\$ 400.00	\$ 400.00	\$ 200.00	\$ 200.00	\$ 440.00	\$ 440.00	\$ 75.00	\$ 75.00	\$ 430.00	\$ 430.00	\$ 180.00	\$ 180.00	\$ 300.00	\$ 300.00		
4	REPLACEMENT TREE, 2.5" CALIPER (MIN.), BALLED AND BURLAPPED	EACH	3	\$ 450.00	\$ 1,350.00	\$ 600.00	\$ 1,800.00	\$ 625.00	\$ 1,875.00	\$ 700.00	\$ 2,100.00	\$ 625.00	\$ 1,875.00	\$ 600.00	\$ 1,800.00	\$ 700.00	\$ 2,100.00	\$ 432.60	\$ 1,297.80	\$ 625.00	\$ 1,875.00	\$ 425.00	\$ 1,275.00	\$ 360.00	\$ 1,080.00	\$ 600.00	\$ 1,800.00		
5	CONNECTION TO EXISTING WATER MAIN, 6-INCH	EACH	1	\$ 4,200.00	\$ 4,200.00	\$ 2,500.00	\$ 2,500.00	\$ 3,750.00	\$ 3,750.00	\$ 3,000.00	\$ 3,000.00	\$ 2,500.00	\$ 2,500.00	\$ 4,000.00	\$ 4,000.00	\$ 2,850.00	\$ 2,850.00	\$ 4,244.00	\$ 4,244.00	\$ 4,400.00	\$ 4,400.00	\$ 4,100.00	\$ 4,100.00	\$ 2,700.00	\$ 2,700.00	\$ 3,500.00	\$ 3,500.00		
6	CONNECTION TO EXISTING WATER MAIN, 8-INCH	EACH	2	\$ 5,500.00	\$ 11,000.00	\$ 3,000.00	\$ 6,000.00	\$ 3,750.00	\$ 7,500.00	\$ 3,500.00	\$ 7,000.00	\$ 3,000.00	\$ 6,000.00	\$ 5,000.00	\$ 10,000.00	\$ 3,100.00	\$ 6,200.00	\$ 4,800.00	\$ 9,600.00	\$ 4,500.00	\$ 9,000.00	\$ 5,950.00	\$ 11,900.00	\$ 3,250.00	\$ 6,500.00	\$ 4,000.00	\$ 8,000.00		
7	PRESSURE CONNECTION WITH TAPPING SLEEVE, AND 8" TAPPING VALVE IN VALVE BOX	EACH	1	\$ 7,000.00	\$ 7,000.00	\$ 7,000.00	\$ 7,000.00	\$ 7,250.00	\$ 7,250.00	\$ 7,900.00	\$ 7,900.00	\$ 6,000.00	\$ 6,000.00	\$ 8,000.00	\$ 8,000.00	\$ 4,800.00	\$ 4,800.00	\$ 6,500.00	\$ 6,500.00	\$ 9,300.00	\$ 9,300.00	\$ 6,250.00	\$ 6,250.00	\$ 10,314.00	\$ 10,314.00	\$ 6,500.00	\$ 6,500.00		
8	WATER MAIN, CLASS 52, WITH POLYETHYLENE WRAP, 6-INCH	LF	20	\$ 65.00	\$ 1,300.00	\$ 72.00	\$ 1,440.00	\$ 60.00	\$ 1,200.00	\$ 77.00	\$ 1,540.00	\$ 75.00	\$ 1,500.00	\$ 81.00	\$ 1,620.00	\$ 78.00	\$ 1,560.00	\$ 66.00	\$ 1,320.00	\$ 87.00	\$ 1,740.00	\$ 107.00	\$ 2,140.00	\$ 84.00	\$ 1,680.00	\$ 75.00	\$ 1,500.00		
9	WATER MAIN, CLASS 52, WITH POLYETHYLENE WRAP, 8-INCH	LF	1,868	\$ 76.00	\$ 141,968.00	\$ 85.00	\$ 158,780.00	\$ 100.00	\$ 186,800.00	\$ 86.00	\$ 160,648.00	\$ 85.00	\$ 158,780.00	\$ 82.00	\$ 153,176.00	\$ 81.00	\$ 151,308.00	\$ 112.75	\$ 210,617.00	\$ 89.00	\$ 166,252.00	\$ 90.00	\$ 168,120.00	\$ 102.00	\$ 190,536.00	\$ 95.00	\$ 177,460.00		
10	GATE VALVE (RESILIENT SEAT) IN 60" VAULT, 8-INCH	EACH	1	\$ 4,200.00	\$ 4,200.00	\$ 5,000.00	\$ 5,000.00	\$ 4,400.00	\$ 4,400.00	\$ 4,850.00	\$ 4,850.00	\$ 3,000.00	\$ 3,000.00	\$ 5,000.00	\$ 5,000.00	\$ 4,150.00	\$ 4,150.00	\$ 3,556.50	\$ 3,556.50	\$ 4,200.00	\$ 4,200.00	\$ 4,400.00	\$ 4,400.00	\$ 6,850.00	\$ 6,850.00	\$ 4,000.00	\$ 4,000.00		
11	GATE VALVE (RESILIENT SEAT) IN VALVE BOX, 8-INCH	EACH	3	\$ 2,800.00	\$ 8,400.00	\$ 2,500.00	\$ 7,500.00	\$ 1,875.00	\$ 5,625.00	\$ 3,000.00	\$ 9,000.00	\$ 2,500.00	\$ 7,500.00	\$ 3,000.00	\$ 9,000.00	\$ 2,400.00	\$ 7,200.00	\$ 1,995.00	\$ 5,985.00	\$ 2,100.00	\$ 6,300.00	\$ 2,000.00	\$ 6,000.00	\$ 1,980.00	\$ 5,940.00	\$ 2,600.00	\$ 7,800.00		
12	INSERTION VALVE IN VALVE BOX, 8-INCH	EACH	1	\$ 8,500.00	\$ 8,500.00	\$ 4,000.00	\$ 4,000.00	\$ 10,000.00	\$ 10,000.00	\$ 7,950.00	\$ 7,950.00	\$ 6,150.00	\$ 6,150.00	\$ 10,000.00	\$ 10,000.00	\$ 7,100.00	\$ 7,100.00	\$ 15,100.00	\$ 15,100.00	\$ 7,600.00	\$ 7,600.00	\$ 7,500.00	\$ 7,500.00	\$ 12,400.00	\$ 12,400.00	\$ 12,000.00	\$ 12,000.00		
13	FIRE HYDRANT ASSEMBLY, WITH AUXILIARY VALVE, 6-INCH MJ	EACH	8	\$ 4,800.00	\$ 38,400.00	\$ 5,000.00	\$ 40,000.00	\$ 5,000.00	\$ 40,000.00	\$ 5,400.00	\$ 43,200.00	\$ 7,500.00	\$ 60,000.00	\$ 5,000.00	\$ 40,000.00	\$ 5,800.00	\$ 46,400.00	\$ 5,150.00	\$ 41,200.00	\$ 5,800.00	\$ 46,400.00	\$ 5,000.00	\$ 40,000.00	\$ 5,200.00	\$ 41,600.00	\$ 5,000.00	\$ 40,000.00		
14	DUCTILE IRON FITTINGS	LBS	1,641	\$ 5.00	\$ 8,205.00	\$ 4.00	\$ 6,564.00	\$ 0.01	\$ 16.41	\$ 4.00	\$ 6,564.00	\$ 0.01	\$ 16.41	\$ 7.00	\$ 11,487.00	\$ 8.00	\$ 13,128.00	\$ 4.50	\$ 7,384.50	\$ 0.01	\$ 16.41	\$ 1.00	\$ 1,641.00	\$ 5.00	\$ 8,205.00	\$ 6.00	\$ 9,846.00		
15	WATER MAIN PROTECTION, PVC C-900, 12-INCH	LF	21	\$ 70.00	\$ 1,470.00	\$ 95.00	\$ 1,995.00	\$ 80.00	\$ 1,680.00	\$ 100.00	\$ 2,100.00	\$ 50.00	\$ 1,050.00	\$ 91.00	\$ 1,911.00	\$ 58.00	\$ 1,218.00	\$ 63.50	\$ 1,333.50	\$ 77.00	\$ 1,617.00	\$ 126.00	\$ 2,646.00	\$ 80.00	\$ 1,680.00	\$ 70.00	\$ 1,470.00		
16	WATER SERVICE CONNECTION, 1-INCH	EACH	38	\$ 985.00	\$ 37,430.00	\$ 1,500.00	\$ 57,000.00	\$ 1,250.00	\$ 47,500.00	\$ 1,250.00	\$ 47,500.00	\$ 2,500.00	\$ 95,000.00	\$ 2,400.00	\$ 91,200.00	\$ 1,250.00	\$ 47,500.00	\$ 1,175.00	\$ 44,650.00	\$ 2,300.00	\$ 87,400.00	\$ 1,250.00	\$ 47,500.00	\$ 1,780.00	\$ 67,640.00	\$ 1,500.00	\$ 57,000.00		
17	WATER MAIN TESTING - PRESSURE AND DISINFECTION	LS	1	\$ 5,600.00	\$ 5,600.00	\$ 1,000.00	\$ 1,000.00	\$ 5,000.00	\$ 5,000.00	\$ 3,000.00	\$ 3,000.00	\$ 1,500.00	\$ 1,500.00	\$ 4,000.00	\$ 4,000.00	\$ 3,000.00	\$ 3,000.00	\$ 2,200.00	\$ 2,200.00	\$ 0.01	\$ 0.01	\$ 3,000.00	\$ 3,000.00	\$ 6,220.00	\$ 6,220.00	\$ 3,500.00	\$ 3,500.00		
18	DISCONNECT AND ABANDON EXISTING WATER MAIN	EACH	3	\$ 2,000.00	\$ 6,000.00	\$ 1,200.00	\$ 3,600.00	\$ 1,275.00	\$ 3,825.00	\$ 2,000.00	\$ 6,000.00	\$ 1,500.00	\$ 4,500.00	\$ 500.00	\$ 1,500.00	\$ 2,000.00	\$ 6,000.00	\$ 2,150.00	\$ 6,450.00	\$ 1,400.00	\$ 4,200.00	\$ 1,500.00	\$ 4,500.00	\$ 2,335.00	\$ 7,005.00	\$ 1,500.00	\$ 4,500.00		
19	VALVE BOX TO BE ABANDONED	EACH	3	\$ 200.00	\$ 600.00	\$ 50.00	\$ 150.00	\$ 100.00	\$ 300.00	\$ 100.00	\$ 300.00	\$ 100.00	\$ 300.00	\$ 175.00	\$ 525.00	\$ 250.00	\$ 750.00	\$ 475.00	\$ 1,425.00	\$ 340.00	\$ 1,020.00	\$ 250.00	\$ 750.00	\$ 180.00	\$ 540.00	\$ 225.00	\$ 675.00		
20	VALVE VAULT TO BE ABANDONED	EACH	1	\$ 300.00	\$ 3																								



BID TABULATION ELIZABETH STREET AND APPLETREE COURT WATER MAIN IMPROVEMENTS UNITED CITY OF YORKVILLE																											
		BID TABULATION BIDS RECD 3/5/2021		STOKES EXCAVATION, INC. 903 DAISYFIELD ROAD ROCKFORD, IL 61102		H. LIDEN & SONS SEWER & WATER 722 E. SOUTH STREET, UNIT D PLANO, IL 60545		GERARDI SEWER & WATER CO. 1785 W ARMITAGE COURT ADDISON, IL 60101		MAURO SEWER CONSTRUCTION, INC. 1251 REDEKER ROAD DES PLAINES, IL 60016		HOLIDAY SEWER AND WATER CONSTRUCTION, INC. 100 N. RAND ROAD, UNIT 116 WAUCONDA, IL 60084		PERFORMANCE CONSTRUCTION AND ENGINEERING, LLC 217 W JOHN STREET PLANO, IL 60546		CONLEY EXCAVATING, INC. 1555 GRAMERCY PLACE MORRIS, IL 60450		J&S CONSTRUCTION SEWER & WATER 130 KIRKLAND CIRCLE OSWEGO, IL 60543		AUSTIN TYLER CONSTRUCTION, INC. 23343 S. RIDGE ROAD ELWOOD, IL 60421		ACQUA CONTRACTORS CORP. 551 S IL ROUTE 83 ELMHURST, IL 60126		WINNINGER EXCAVATING, INC. 1211 DEER STREET YORKVILLE, IL 60560		ENGINEER'S ESTIMATE 52 Wheeler Road Sugar Grove, IL 60554	
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
59	RESTORATION	SY	2,405	\$ 8.00	\$ 19,240.00	\$ 8.00	\$ 19,240.00	\$ 8.00	\$ 19,240.00	\$ 10.00	\$ 24,050.00	\$ 9.00	\$ 21,645.00	\$ 8.00	\$ 19,240.00	\$ 15.00	\$ 36,075.00	\$ 11.25	\$ 27,056.25	\$ 14.50	\$ 34,872.50	\$ 10.00	\$ 24,050.00	\$ 13.00	\$ 31,265.00	\$ 10.00	\$ 24,050.00
60	TRAFFIC CONTROL AND PROTECTION	LS	1	\$ 2,500.00	\$ 2,500.00	\$ 40,000.00	\$ 40,000.00	\$ 30,000.00	\$ 30,000.00	\$ 21,500.00	\$ 21,500.00	\$ 15,000.00	\$ 15,000.00	\$ 16,400.00	\$ 16,400.00	\$ 35,400.00	\$ 35,400.00	\$ 13,500.00	\$ 13,500.00	\$ 18,400.00	\$ 18,400.00	\$ 101,583.00	\$ 101,583.00	\$ 12,726.00	\$ 12,726.00	\$ 20,000.00	\$ 20,000.00
61	ALLOWANCE - ITEMS ORDERED BY THE ENGINEER	UNIT	20,000	\$ 1.00	\$ 20,000.00	\$ 1.00	\$ 20,000.00	\$ 1.00	\$ 20,000.00	\$ 1.00	\$ 20,000.00	\$ 1.00	\$ 20,000.00	\$ 1.00	\$ 20,000.00	\$ 1.00	\$ 20,000.00	\$ 1.00	\$ 20,000.00	\$ 1.00	\$ 20,000.00	\$ 1.00	\$ 20,000.00	\$ 1.00	\$ 20,000.00	\$ 1.00	\$ 20,000.00
BASE BID TOTAL (ITEMS 1-61)					\$ 561,869.76		\$ 611,578.00		\$ 618,237.51		\$ 618,712.75		\$ 625,000.01		\$ 639,904.00		\$ 670,485.75		\$ 708,565.15		\$ 723,801.55		\$ 735,000.00		\$ 742,186.00		\$ 657,969.75
ABOVE/BELOW ENGINEERS ESTIMATE					-14.61%		-7.05%		-6.04%		-5.97%		-5.01%		-2.75%		1.90%		7.69%		10.01%		11.71%		12.80%		
ALTERNATE A BID ITEMS																											
62	WATER SERVICE PIPE, PEX, 1-INCH (OPEN CUT)	LF	1,017	\$ 32.08	\$ 32,625.36	\$ 30.00	\$ 30,510.00	\$ 40.00	\$ 40,680.00	\$ 20.00	\$ 20,340.00	\$ 1.00	\$ 1,017.00	\$ 12.00	\$ 12,204.00	\$ 48.50	\$ 49,324.50	\$ 56.75	\$ 57,714.75	\$ 0.50	\$ 508.50	\$ 1.00	\$ 1,017.00	\$ 51.00	\$ 51,867.00	\$ 35.00	\$ 35,595.00
63	WATER SERVICE PIPE, PEX, 1-INCH (TRENCHLESS)	LF	100	\$ 58.00	\$ 5,800.00	\$ 51.00	\$ 5,100.00	\$ 30.00	\$ 3,000.00	\$ 75.00	\$ 7,500.00	\$ 1.00	\$ 100.00	\$ 15.00	\$ 1,500.00	\$ 59.00	\$ 5,900.00	\$ 51.95	\$ 5,195.00	\$ 0.50	\$ 50.00	\$ 32.00	\$ 3,200.00	\$ 125.00	\$ 12,500.00	\$ 45.00	\$ 4,500.00
ALTERNATE A BID TOTAL (ITEMS 62-63)					\$ 38,425.36		\$ 35,610.00		\$ 43,680.00		\$ 27,840.00		\$ 1,117.00		\$ 13,704.00		\$ 55,224.50		\$ 62,909.75		\$ 558.50		\$ 4,217.00		\$ 64,367.00		\$ 40,095.00
ALTERNATE A BID ITEMS																											
64	WATER SERVICE PIPE, PEX, 1-INCH (OPEN CUT)	LF	151	\$ 32.08	\$ 4,844.08	\$ 30.00	\$ 4,530.00	\$ 5.00	\$ 755.00	\$ 27.00	\$ 4,077.00	\$ 1.00	\$ 151.00	\$ 12.00	\$ 1,812.00	\$ 48.50	\$ 7,323.50	\$ 56.75	\$ 8,569.25	\$ 0.50	\$ 75.50	\$ 1.00	\$ 151.00	\$ 51.00	\$ 7,701.00	\$ 40.00	\$ 6,040.00
65	WATER SERVICE PIPE, PEX, 1-INCH (OPEN CUT)	LF	966	\$ 58.00	\$ 56,028.00	\$ 40.00	\$ 38,640.00	\$ 10.00	\$ 9,660.00	\$ 30.50	\$ 29,463.00	\$ 1.00	\$ 966.00	\$ 17.00	\$ 16,422.00	\$ 57.00	\$ 55,062.00	\$ 51.35	\$ 49,604.10	\$ 0.50	\$ 483.00	\$ 10.00	\$ 9,660.00	\$ 125.00	\$ 120,750.00	\$ 40.00	\$ 38,640.00
ALTERNATE B BID TOTAL (ITEMS 64-65)					\$ 60,872.08		\$ 43,170.00		\$ 10,415.00		\$ 33,540.00		\$ 1,117.00		\$ 18,234.00		\$ 62,385.50		\$ 58,173.35		\$ 558.50		\$ 9,811.00		\$ 128,451.00		\$ 44,680.00
TOTAL BASE BID					\$ 561,869.76		\$ 611,578.00		\$ 618,237.51		\$ 618,712.75		\$ 625,000.01		\$ 639,904.00		\$ 670,485.75		\$ 708,565.15		\$ 723,801.55		\$ 735,000.00		\$ 742,186.00		\$ 657,969.75
TOTAL ALTERNATE A BID					\$ 38,425.36		\$ 35,610.00		\$ 43,680.00		\$ 27,840.00		\$ 1,117.00		\$ 13,704.00		\$ 55,224.50		\$ 62,909.75		\$ 558.50		\$ 4,217.00		\$ 64,367.00		\$ 40,095.00
TOTAL ALTERNATE B BID					\$ 60,872.08		\$ 43,170.00		\$ 10,415.00		\$ 33,540.00		\$ 1,117.00		\$ 18,234.00		\$ 62,385.50		\$ 58,173.35		\$ 558.50		\$ 9,811.00		\$ 128,451.00		\$ 44,680.00
TOTAL BASE BID + ALTERNATE A BID					\$ 600,295.12		\$ 647,188.00		\$ 661,917.51		\$ 646,552.75		\$ 626,117.01		\$ 653,608.00		\$ 725,710.25		\$ 771,474.90		\$ 724,360.05		\$ 739,217.00		\$ 806,553.00		\$ 698,064.75
TOTAL BASE BID + ALTERNATE B BID					\$ 622,741.84		\$ 654,748.00		\$ 628,652.51		\$ 652,252.75		\$ 626,117.01		\$ 658,138.00		\$ 732,871.25		\$ 766,738.50		\$ 724,360.05		\$ 744,811.00		\$ 870,637.00		\$ 702,649.75
CORRECTED NUMBERS FROM BID																											





# **Engineering Enterprises, Inc.**

52 Wheeler Road  
 Sugar Grove, Illinois 60554  
 (630) 466-6700  
[www.eeiweb.com](http://www.eeiweb.com)

DATE:	FEBRUARY 2021
PROJECT NO.:	YO2007
BY:	MJT
PATH:	H:\GIS\PUBLIC\YORKVILLE\2020\
FILE:	YO1907_Appletree Ct Water Main.MXD

## **ATTACHEMENT E - LOCATION MAP**







Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input 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 type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #6

Tracking Number

PW 2021-13

### Agenda Item Summary Memo

**Title:** Elizabeth St. & Appletree Ct. Water Main Improvements – PSA

**Meeting and Date:** Public Works Committee – March 16, 2021

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

### 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:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_





# Memorandum

To: City Council  
From: Bart Olson, City Administrator  
CC:  
Date: March 11, 2020  
Subject: Elizabeth St and Appletree Court watermain construction engineering agreement

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## **Summary**

Approval of a construction engineering agreement with EEI for Elizabeth St and Appletree Court watermain.

## **Background**

The City Council last discussed the Elizabeth St and Appletree Ct watermain project in Spring 2020 when the project was included in the FY 21 budget proposal but was eventually deferred due to the pandemic. The project has been included in the FY 22 budget proposal and is ready to be constructed in calendar year 2021. Accordingly, EEI has submitted an engineering agreement for our consideration for construction engineering.

The attached contract contains an estimated cost of \$68,791 at the hourly rates and amounts shown in Attachment C. These amounts are included in the FY 22 budget.

## **Recommendation**

Staff recommends approval of the construction engineering agreement with EEI for the Elizabeth St and Appletree Court watermain project.



**Elizabeth Street and Appletree Court Water Main Improvements  
United City of Yorkville, IL  
Professional Services Agreement - Construction 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). Construction engineering will be provided for approximately 1,868 linear feet of 8-inch water main improvements including paving and drainage improvements on Elizabeth Street and Appletree Court (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. Construction Engineering will be paid for Hourly (HR) at the actual rates for services to be performed, currently estimated at \$68,791. The hourly rates for this project are shown in the attached 2021 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



*Elizabeth Street and Appletree Court Water Main Improvements  
United City of Yorkville  
Professional Services Agreement  
Construction 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 attachments are 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>	Anticipated Project Schedule
<b>Attachment E:</b>	Location Map
<b>Attachment F:</b>	2021 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 \_\_\_\_\_, 2021.

United City of Yorkville:

Engineering Enterprises, Inc.:

---

John Purcell  
Mayor

---

Brad Sanderson, P.E.  
Chief Operating Officer / President

---

Lisa Pickering  
City Clerk

---

Angie Smith  
Executive Assistant



# ATTACHMENT A

## 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.



**Attachment B – Scope of Services**  
**Elizabeth Street and Appletree Court Water Main Improvements**  
**United City of Yorkville, IL**

The United City of Yorkville intends to install approximately 1,868 of 8-inch water main and related appurtenances including paving and drainage improvements on Elizabeth Street and Appletree Court.

Our proposed scope of services for **Construction Engineering** will include the following:

**3.1 Construction Administration**

- Prepare for, Attend and Facilitate the Preconstruction Meeting with the Contractor Including Preparation of Meeting Minutes
- Shop Drawing Review
- Prepare and Handout Construction Notice Flyers to Residents Including Temporary Water Loss Notices
- Coordinate with City Services (Garbage, Mail, Etc.)
- Review Engineering Plans, Specifications and Prepare Field Book
- Prepare Pay Estimates and Change Orders
- Gather Invoices and Waivers of Lien
- Provide Weekly Updates to City or as Required Based on Onsite Activities

**3.2 Construction Layout and Record Drawings**

- Stake Proposed Water Main and Storm Sewer
- Perform Post Construction Field Survey for Record Drawings
- Prepare and Review Record Drawings

**3.3 Construction Observation and Documentation**

- Review Staked Water Main and Storm Sewer Layout
- Take Pre-Construction Videos and Photos of Pre-Existing Conditions
- Provide Resident Engineering Services for Construction
- Coordinate Any Required Testing on Behalf of the City and Review Test Reports
- Provide Quantity Tracking, Documentation and Daily Field Reports
- Perform Punch Walks, Prepare Punch List Letters and Provide Follow Up Inspections and Recommend Acceptance When Appropriate (2 Each)
- Prepare Project Closeout Paperwork

**The following scope of services will be provided by EEI's Subconsultant:**

- Rubino Engineering – Geotechnical Testing for Quality Assurance

The above scope for “Elizabeth Street and Appletree Court Water Main Improvements” summarizes the work items that will be completed for this contract. Additional work items, including additional meetings beyond the meetings defined in the above scope shall be considered outside the scope of base contract and will be billed in accordance with the Standard Schedule of Charges.





Outstanding Service ~ Every Client ~ Every Day

ATTACHMENT C  
ESTIMATE OF LEVEL OF EFFORT AND ASSOCIATED COST FOR  
PROFESSIONAL ENGINEERING SERVICES FOR  
ELIZABETH STREET AND APPLETREE COURT WATER MAIN IMPROVEMENTS  
United City of Yorkville, IL  
March 9, 2021



WORK ITEM NO.	WORK ITEM	ENTITY:	ENGINEERING				SURVEYING			DRAFTING		ADMIN.	WORK ITEM HOUR SUMM.	COST PER ITEM
		PROJECT ROLE:	PRINCIPAL IN CHARGE	SENIOR PROJECT MANAGER	SENIOR PROJECT ENGINEER	PROJECT ENGINEER	SENIOR PROJECT MANAGER	PROJECT MANAGER	PROJECT TECHNICIAN	CAD MANAGER	SENIOR PROJECT TECHNICIAN I	ADMIN.		
		HOURLY RATE:	\$217	\$212	\$162	\$147	\$206	\$185	\$158	\$158	\$147	\$70		
CONSTRUCTION ENGINEERING														
3.1	Contract Administration		6	13	9	31	-	-	-	-	-	-	59	\$ 10,073
3.2	Construction Layout and Record Drawings		-	1	2	-	-	4	43	-	-	-	50	\$ 8,070
3.3	Observation and Documentation		-	4	24	296	-	-	-	-	-	-	324	\$ 48,248
Construction Engineering Subtotal:			6	18	35	327	-	4	43	-	-	-	433	\$ 66,391
PROJECT TOTAL:			6	18	35	327	-	4	43	-	-	-	433	66,391

DIRECT EXPENSES	
Printing =	\$ -
Mileage =	\$ 300
Material Testing =	\$ 2,100
Environmental Assessment =	\$ -
DIRECT EXPENSES =	\$ 2,400

LABOR SUMMARY	
Engineering Expenses =	\$ 58,857
Surveying Expenses =	\$ 7,534
Drafting Expenses =	\$ -
Administrative Expenses =	\$ -
TOTAL LABOR EXPENSES =	\$ 66,391

TOTAL EXPENSES =	\$ 68,791
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**ATTACHMENT D**  
**ANTICIPATED PROJECT SCHEDULE**  
 ELIZABETH STREET AND APPLETREE COURT WATER MAIN IMPROVEMENTS  
 UNITED CITY OF YORKVILLE, IL  
 March 9, 2021



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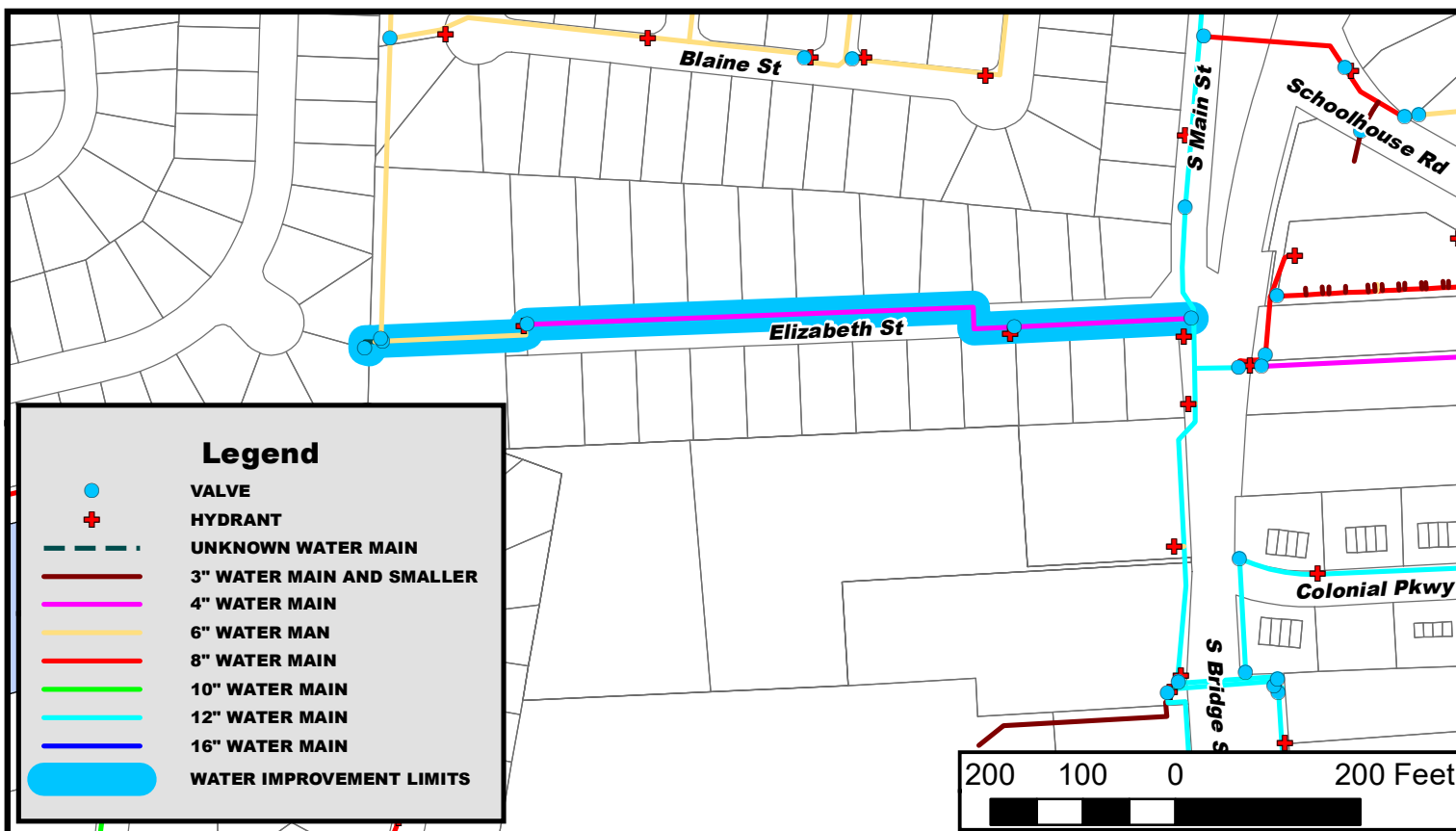
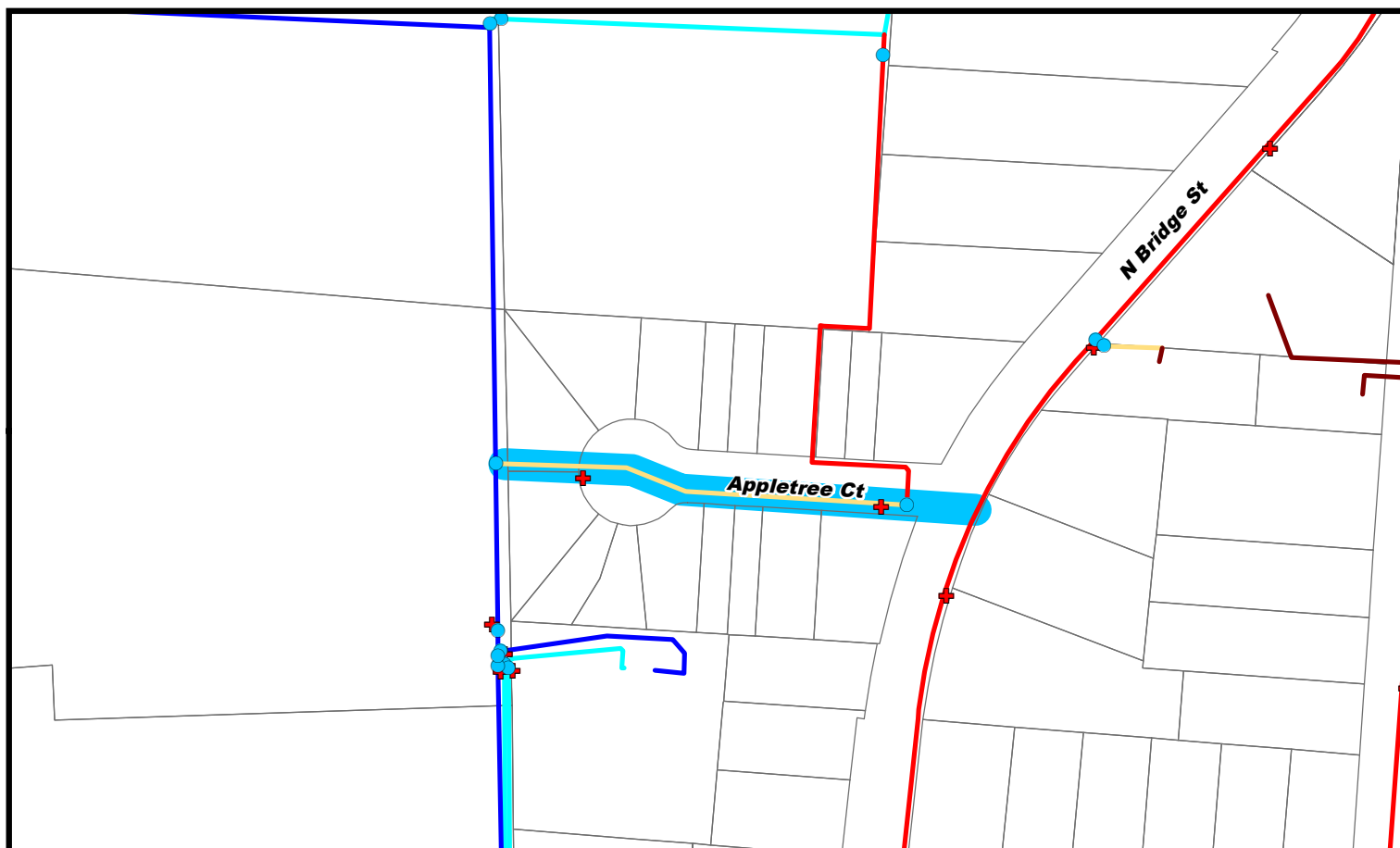
WORK ITEM NO.	WORK ITEM	Year:	2021																																		
		Month:	March				April				May				June				July				August				September				October						
		Week Starting:	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
CONSTRUCTION ENGINEERING																																					
3.1	Contract Administration																																				
3.2	Construction Layout and Record Drawings																																				
3.3	Observation and Documentation																																				

Legend	
	Project Management & QC/QA Meeting(s)
	Design
	Permitting
	Bidding and Contracting
	Construction

Anticipated Schedule:  
 Pre Construction Meeting                      6/15/2021  
 Construction Start                                6/28/2021  
 Completion Date                                 9/30/2021

G:\Public\Yorkville\2020\YO2007-P Appletree Court Watermain Replacement\PSA\Construction\05. Attachment D - Project Schedule.xls\Schedule - March Letting





## Engineering Enterprises, Inc.

52 Wheeler Road  
Sugar Grove, Illinois 60554  
(630) 466-6700  
[www.eeiweb.com](http://www.eeiweb.com)

DATE:	FEBRUARY 2021
PROJECT NO.:	YO2007
BY:	MJT
PATH:	H:\GIS\PUBLIC\YORKVILLE\2020\
FILE:	YO1907_Appletree Ct Water Main.MXD

## ATTACHEMENT E - LOCATION MAP







## *Standard Schedule of Charges*

*January 1, 2021*

<b>EMPLOYEE DESIGNATION</b>	<b>CLASSIFICATION</b>	<b>HOURLY RATE</b>
Senior Principal	E-4	\$217.00
Principal	E-3	\$212.00
Senior Project Manager	E-2	\$206.00
Project Manager	E-1	\$185.00
Senior Project Engineer/Planner/Surveyor II	P-6	\$174.00
Senior Project Engineer/Planner/Surveyor I	P-5	\$162.00
Project Engineer/Planner/Surveyor	P-4	\$147.00
Senior Engineer/Planner/Surveyor	P-3	\$135.00
Engineer/Planner/Surveyor	P-2	\$123.00
Associate Engineer/Planner/Surveyor	P-1	\$110.00
Senior Project Technician II	T-6	\$158.00
Senior Project Technician I	T-5	\$147.00
Project Technician	T-4	\$135.00
Senior Technician	T-3	\$123.00
Technician	T-2	\$110.00
Associate Technician	T-1	\$ 97.00
GIS Technician	G-1	\$100.00
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		\$ 200.00
Expert Testimony		\$ 250.00





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

Agenda Item Number

New Business #7

Tracking Number

PW 2021-14

### Agenda Item Summary Memo

**Title:** Kennedy Road and Mill Road Intersection Improvements Engineering Agreement

**Meeting and Date:** Public Works Committee – March 16, 2021

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

### 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:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_





# Memorandum

To: City Council  
From: Bart Olson, City Administrator  
CC:  
Date: March 11, 2020  
Subject: Kennedy and Mill Road intersection design engineering contract

---

## **Summary**

Approval of a design engineering agreement with EEI for the Kennedy and Mill Road intersection.

## **Background**

The City Council last discussed the Mill Road project at the February 23<sup>rd</sup> meeting, when bids for the construction of Mill Road east of the intersection of Mill and Kennedy all the way to the eastern city limits was discussed. Because these bids were significantly under budget, the City Council briefly discussed the completion of the final leg of Mill Road. This intersection design was held back by City Council in 2019 while the County debated the intersection design of Galena and Kennedy, for which they have already moved forward with a traditional traffic signal and intersection. With that design finalized, the City can move forward with the design of the Mill Rd and Kennedy Road intersection. Accordingly, EEI has submitted an engineering agreement for our consideration for design engineering. Construction engineering contracts would be submitted at a later date, likely after bidding for the project has occurred.

The attached contract contains a \$51,383 fixed fee amount plus an estimated \$6,210 subconsultant cost. These amounts are included in the FY 22 budget.

## **Recommendation**

Staff recommends approval of the design engineering agreement with EEI for the Kennedy and Mill Road intersection.



**Agreement for Professional Services  
Kennedy Road and Mill Road Intersection Improvements  
United City of Yorkville, IL**

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:**

The Engineer shall furnish the necessary personnel, materials, equipment and expertise to make the necessary investigations, analysis and calculations along with exhibits, cost estimates and narrative, to complete all necessary engineering services to the City as indicated on the included Attachment B. Services shall include Preliminary and Design engineering for the roadway improvements at the intersection of Kennedy Road and Mill Road, as shown on Attachment E. All engineering will be performed in accordance to all City and Illinois Department of Transportation 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 Contractor shall be compensated for all work performed for the City prior to termination.

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

ENGINEER shall receive as compensation for all work and services to be performed herein, an amount based on the Estimated Level of Effort and Associated Cost included in Attachment C. Preliminary and Design Engineering will be paid for monthly based on the percentage of the project that is complete. The Fixed Fee amount for the Preliminary and Design Engineering for the project is \$51,383. The hourly rates for this project are shown in Attachment F. All payments will be made according to the Illinois State Prompt Payment Act and not less than once every thirty days.

For outside services provided by other firms or subconsultants, the City shall pay the ENGINEER the invoiced fee to the ENGINEER, plus 10%. Such outside services include, but are not limited to services to be provided by Rubino Engineering, Inc. Direct Expenses are estimated to be \$6,210.

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

In the event that this contract extends beyond December 31, 2021, the contractor 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 January 1<sup>st</sup> of



2022. In the event that any rate changes do occur, the new effective rates will not affect the established hourly not-to-exceed rate.

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

Contractor agrees that all books and records and other recorded information developed specifically in connection with this agreement shall remain the property of the City. Contractor 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, Contractor agrees to return all such materials to the City. The City agrees not to modify any original documents produced by Contractor 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:**

Contractor 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 Contractor under this agreement shall be that of an independent contractor. Contractor 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:**

Contractor 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 Contractor or its Subcontractors, or due to or arising in any manner from the wrongful act or negligence of Contractor 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 attached Exhibits. Except for those terms included on the Exhibits, 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 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 Attachments are as follows:

<b>Attachment A:</b>	Standard Terms and Conditions
<b>Attachment B:</b>	Scope of Services
<b>Attachment C:</b>	Estimated Level of Effort and Associated Cost
<b>Attachment D:</b>	Anticipated Project Schedule
<b>Attachment E:</b>	Location Map
<b>Attachment F:</b>	2019 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 60115

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 \_\_\_\_\_, 2021.

United City of Yorkville:

Engineering Enterprises, Inc.:

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John Purcell  
Mayor

---

Brad Sanderson, P.E.  
Chief Operating Officer/President

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Lisa Pickering  
City Clerk

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Joseph W. Cwynar, P.E.  
Senior Project Manager



## 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 seven (7) 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.

**Payment of Invoices:** Invoices are due and payable within 30 days of receipt unless otherwise agreed to in writing.

**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.



**Kennedy Road and Mill Road Intersection Improvements**  
**United City of Yorkville, IL**  
**Professional Services Agreement – Preliminary and Design Engineering**

**Attachment B – Scope of Services**

**Preliminary Engineering**

- Project Management, Coordination, Meetings, and QC/QA
  - Project Kickoff Meeting
    - Establish lines of communication.
    - Present a work plan for the project including schedule milestones, design criteria and a list of information needed from the City to begin design.
    - Acquire existing information from the City including previous reports, plans of recent development and relevant site information
  - Coordination
  - Project Management
  - Project Scheduling (See Attachment D for anticipated project schedule)
- Survey and Data Collection
  - Perform Topographic Survey along Kennedy Road and Mill Road.
  - Obtain, review and inventory roadway, right-of-way, ownership, soil data, etc.
- Geotechnical Investigation
  - Coordinate locations and work to obtain soil boring/pavement cores
  - Perform soil borings/pavement cores for pavement design and grading (Rubino)
  - Prepare Geotechnical Report (Rubino)
- Pavement Design
  - Review Geotechnical Report to determine optimal pavement section and potential areas of concern.
  - Perform Pavement Design
- EcoCAT Submittal and CCDD
  - Perform EcoCAT Submittal
  - CCDD and 662 and 663 Forms (Rubino)
- Utility Coordination
  - Previous J.U.L.I.E. design ticket was performed as part of the Mill Road Reconstruction project.
  - Review and inventory existing utility information to identify potential conflicts
  - Coordination with all public utilities

**Design Engineering:**

- Project Management, Coordination, Meetings, and QC/QA
  - Project Comment Review Meetings (1 meeting at prefinal plans)
  - Project Management
  - Project Scheduling
  - QC/QA will be performed throughout the project
- Prefinal Plans, Specifications and Cost Estimates
  - Coordinate documentation for CCDD Management of soils.
  - Coordinate with City Staff the final scope of improvements
  - Develop prefinal plans including the following:
    - Title Sheet
    - General Notes
    - Summary of Quantities



*Kennedy Road and Mill Road Intersection Improvements*  
*United City of Yorkville*  
*Professional Services Agreement*  
*Design Engineering*  
*- Scope of Services*

- Existing and Proposed Typical Sections
  - Schedule of Quantities
  - Alignment, Ties and Benchmarks
  - Plan and Profile (1"=20')
  - Traffic Control Typical Sections
  - Suggested Construction Staging Plans
  - Erosion and Sediment Control Plan (1"=20')
  - Drainage and Utilities Plan (1"=20')
  - Intersection Paving Plan (1"=20')
  - Pavement Marking, Lighting, Signing & Landscaping Plan (1"=20')
  - ADA Details
  - Project Details
  - City Details
  - IDOT District Three and IDOT Details
  - Cross Sections (@ 50 ft stations, 1"=10' horizontal, 1"=5' vertical)
- Prepare bid package, and ancillary documents, including:
  - BLR12200 – Local Public Agency Formal Contract Proposal
  - BLR12200 A – Schedule of Prices
  - BLR12230 - Bid Bond Form
  - BC57 - Affidavit of Availability
  - Index for Supplemental Specifications and Recurring Special Provisions
  - Check Sheet for Recurring Special Provisions
  - BLR11310 – Special Provisions
  - Bureau of Design and Environment Special Provisions/Check sheets
  - Prevailing Wage
- Special Provisions in IDOT format
  - Local Roads Special Provisions
  - District Three Special Provisions
  - City Provisions & Details
  - Status of Utilities
- Calculate Quantities and prepare prefinal Cost Estimate
  - Quantities to be organized by funding source (if necessary)
  - BDE 213 – Estimate of Cost
- Prepare BDE220A – Estimate of Time Required
- Perform QC/QA review of prefinal plans, documents and cost estimate
- Submit prefinal plans to the utility companies as necessary
- Submit prefinal plans, estimate of cost, estimate of time and special provisions to the City for review.
- Final Plans, Specifications and Cost Estimates
  - Prepare and provide disposition of prefinal plan comments to the City
  - Update plans based on comments received on prefinal plans
  - Update summary of quantities, estimate of cost and estimate of time for final submittal.
  - Update special provisions for final submittal.
  - Perform QC/QA review of final plans, documents and cost estimate
  - Submit final plans, estimate of cost, estimate of time and special provisions to the City and utility companies.



*Kennedy Road and Mill Road Intersection Improvements  
United City of Yorkville  
Professional Services Agreement  
Design Engineering  
- Scope of Services*

- United City of Yorkville Stormwater Permitting
  - Obtain United City of Yorkville Stormwater Permit
- Bidding Support
  - Answer contractor questions during bidding.

**Items not included in the scope:**

- Development of Plats and Legals
- Right-of-way Negotiations and Appraisals
- Construction (Phase III) engineering services
- No allowance has been made for a Preliminary Site Investigation (PSI)
- No allowance for a Preliminary Environmental Site Assessment (PESA)
- Design services by a landscape architect. Only basic landscaping will be provided.
- Any special aesthetic features or treatments.
- Existing lighting will be maintained. If lights need to be relocated, it is assumed no lighting design is required.
- No allowance for railroad coordination.
- No allowance for public involvement.
- No traffic signal design.
- Bidding, letting, and contracting.





**ATTACHMENT C**  
**ESTIMATED LEVEL OF EFFORT AND ASSOCIATED COST**  
 Kennedy Road and Mill Road Intersection Improvements  
 United City of Yorkville  
 February 10, 2021



WORK ITEM NO.	WORK ITEM	ENTITY:	ENGINEERING					SURVEYING			DRAFTING		ADMIN.	WORK ITEM HOUR SUMM.	COST PER ITEM	
		PROJECT ROLE:	PRINCIPAL IN CHARGE	SENIOR PROJECT MANAGER	PROJECT MANAGER	SENIOR PROJECT ENGINEER II	PROJECT ENGINEER	SENIOR PROJECT MANAGER	PROJECT MANAGER	SENIOR PROJECT TECHNICIAN II	CAD MANAGER	SENIOR PROJECT TECHNICIAN	ADMIN.			
		HOURLY RATE:	\$203	\$197	\$178	\$165	\$141	\$197	\$178	\$153	\$153	\$141	\$70			
PRELIMINARY ENGINEERING																
1.1	Preliminary Project Management, Coordination, Meetings and QC/QA	2	8								4	2	16	\$	2,686	
1.2	Survey and Data Collection						1	9	14				24	\$	3,941	
1.3	Geotechnical Investigation (Coordination, Field Work, Review Report)		2			4							6	\$	1,054	
1.4	Pavement Design		2			6							8	\$	1,384	
1.5	EcoCAT Submittal and CCDD		2				4					4	2	12	\$	1,662
1.6	Utility Coordination		2			4	4				4	2	2	16	\$	2,370
Preliminary Engineering Subtotal:		2	16	-	14	8	1	9	14	4	8	6	82		13,097	
DESIGN ENGINEERING																
2.1	Design Project Management, Coordination, Meetings and QC/QA	2	8								4	2	16	\$	2,686	
2.2	Prelinal Plans, Specifications and Estimates	2	8			56	20				10	60	156	\$	24,032	
2.3	Final Plans, Specifications and Estimates	2	2			8	4				4	8	28	\$	4,424	
2.4	United City of Yorkville Stormwater Permit		8				16					8	2	34	\$	5,100
2.5	Bidding Support		2			10							12	\$	2,044	
Design Engineering Subtotal:		6	28	-	74	40	-	-	-	14	80	4	246	\$	38,286	
PROJECT TOTAL:		8	44	-	88	48	1	9	14	18	88	10	328		51,383	

DIRECT EXPENSES	
Printing =	\$ 500
Soil Borings/Pavement Cores (Rubino) =	\$ 4,710
CCDD - LPC 662/663 (Rubino) =	\$ 1,000
<b>DIRECT EXPENSES =</b>	<b>\$ 6,210</b>

LABOR SUMMARY	
Engineering Expenses =	\$ 31,580
Surveying Expenses =	\$ 3,941
Drafting Expenses =	\$ 15,162
Administrative Expenses =	\$ 700
<b>TOTAL LABOR EXPENSES =</b>	<b>\$ 51,383</b>

<b>TOTAL EXPENSES =</b>	<b>\$ 57,593</b>
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# ATTACHMENT D - ANTICIPATED PROJECT SCHEDULE

Kennedy Road and Mill Road Intersection Improvements  
 United City of Yorkville  
 February 10, 2021



WORK ITEM NO.	WORK ITEM	2021																																										2022																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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Legend	
Project Management, QC/QA, Coord.	Preliminary
Meeting(s)	Design Work Item
Bidding Support	Permitting
City Review	Construction









## Standard Schedule of Charges

January 1, 2019

EMPLOYEE DESIGNATION	CLASSIFICATION	HOURLY RATE
Senior Principal	E-4	\$208.00
Principal	E-3	\$203.00
Senior Project Manager	E-2	\$197.00
Project Manager	E-1	\$178.00
Senior Project Engineer/Planner/Surveyor II	P-6	\$165.00
Senior Project Engineer/Planner/Surveyor I	P-5	\$153.00
Project Engineer/Planner/Surveyor	P-4	\$141.00
Senior Engineer/Planner/Surveyor	P-3	\$129.00
Engineer/Planner/Surveyor	P-2	\$117.00
Associate Engineer/Planner/Surveyor	P-1	\$106.00
Senior Project Technician II	T-6	\$153.00
Senior Project Technician I	T-5	\$141.00
Project Technician	T-4	\$129.00
Senior Technician	T-3	\$117.00
Technician	T-2	\$106.00
Associate Technician	T-1	\$ 93.00
Engineering/Land Surveying Intern	I-1	\$ 84.00
GIS Technician	G-1	\$ 75.00
Administrative Assistant	A-3	\$ 70.00

### CREW RATES, VEHICLES AND REPROGRAPHICS

1 Man Field Crew with Standard Survey Equipment	\$168.00
2 Man Field Crew with Standard Survey Equipment	\$262.00
1 Man Field Crew with RTS or GPS *	\$208.00
2 Man Field Crew with RTS or GPS *	\$302.00
Vehicle for Construction Observation	\$15.00
In-House Scanning and Reproduction	\$0.25/Sq. Ft. (Black & White) \$1.00/Sq. Ft. (Color)
Reimbursable Direct Costs & Services by Others	Cost + 10%

\*RTS = Robotic Total Station / GPS = Global Positioning System





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 #8

Tracking Number

PW 2021-15

### Agenda Item Summary Memo

**Title:** Heartland Circle – Plat of Abrogation (1162 Spring Street)

**Meeting and Date:** Public Works Committee – March 16, 2021

**Synopsis:** Recommendation to Approve

### Council Action Previously Taken:

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

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

**Type of Vote Required:** Majority

**Council Action Requested:** Consideration of 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  
Krysti Barksdale-Noble, Community Development Director  
Lisa Pickering, City Clerk  
Date: March 9, 2021  
Subject: Heartland Circle – Plat of Abrogation (1162 Spring Street)

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An easement abrogation (vacation) for several public utility easements have been requested by the property owner to aid in obtaining a building permit. The area in question is denoted in the attached plat.

Both City and Private utilities are not contained within the requested area nor should they be needed in the future. The easement is also not needed for drainage purposes. Staff supports and recommends acceptance of the easement abrogation.



# PLAT OF ABROGATION

PINs: 02-33-234-012

## CITY ENGINEER'S CERTIFICATE

STATE OF ILLINOIS )  
COUNTY OF KENDALL ) S.S.

I, THE UNDERSIGNED, AS CITY ENGINEER OF THE UNITED CITY OF YORKVILLE, KENDALL COUNTY, ILLINOIS, DO HEREBY CERTIFY THAT THIS DOCUMENT IS APPROVED UNDER MY OFFICES THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, A.D., 20\_\_\_\_\_.

CITY ENGINEER

PLEASE TYPE/PRINT NAME

## CITY COUNCIL CERTIFICATE

STATE OF ILLINOIS )  
COUNTY OF KENDALL ) S.S.

APPROVED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, A.D., 20\_\_\_\_\_, BY THE CITY COUNCIL OF THE UNITED CITY OF YORKVILLE, PURSUANT TO ORDINANCE/RESOLUTION NUMBER \_\_\_\_\_.

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

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

## FRANCHISE CERTIFICATE

STATE OF ILLINOIS )  
COUNTY OF \_\_\_\_\_ ) S.S.

THE UNDERSIGNED HEREBY CERTIFY THAT THERE ARE NO EXISTING FACILITIES WITHIN PORTION OF THE EASEMENTS AREAS DESIGNATED HEREON AS "HEREBY ABROGATED" AND FURTHER CERTIFY AS AGENT FOR THEIR RESPECTIVE UTILITY, ALL RIGHTS CURRENTLY EXISTING WITHIN SAID EASEMENT AREAS ARE HEREBY ABROGATED AND VACATED.

NICOR:  
THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, A.D. 20\_\_\_\_\_.

TITLE \_\_\_\_\_ WITNESS \_\_\_\_\_

AT&T:  
THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, A.D. 20\_\_\_\_\_.

TITLE \_\_\_\_\_ WITNESS \_\_\_\_\_

COMMONWEALTH EDISON:  
THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, A.D. 20\_\_\_\_\_.

TITLE \_\_\_\_\_ WITNESS \_\_\_\_\_

COMCAST:  
THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, A.D. 20\_\_\_\_\_.

TITLE \_\_\_\_\_ WITNESS \_\_\_\_\_

METRONET:  
THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, A.D. 20\_\_\_\_\_.

TITLE \_\_\_\_\_ WITNESS \_\_\_\_\_

## NOTES:

- \* This map was created for use as Plat of Abrogation.
- \* This map is not to be used for any construction or staking purposes without consent from a proper agent of HR Green, Inc.
- \* This IS NOT a Plat of Survey. No assumptions or agreements as to ownership, use, or possession can be conveyed from this document.
- \* No underground improvements have been located unless shown and noted.
- \* No distance should be assumed by scaling.
- \* This map is void without original embossed or red colored seal and signature affixed.

2/5/2021 4:41:19 PM

J:\2020\201681\Survey\Dwg\201681-ABROGATION.dwg

OF A PORTION OF THE PUBLIC UTILITY AND DRAINAGE EASEMENT ON LOT 72 IN HEARTLAND CIRCLE UNIT 1, A SUBDIVISION OF PART OF THE WEST HALF OF SECTION 217, AND PART OF THE EAST HALF OF SECTION 28, TOWNSHIP 37 NORTH RANGE 7, EAST OF THE THIRD PRINCIPAL MERIDIAN, IN UNITED CITY OF YORKVILLE, KENDALL COUNTY, ILLINOIS.

## LEGAL DESCRIPTIONS OF PUBLIC UTILITY AND DRAINAGE EASEMENT HEREBY ABROGATED

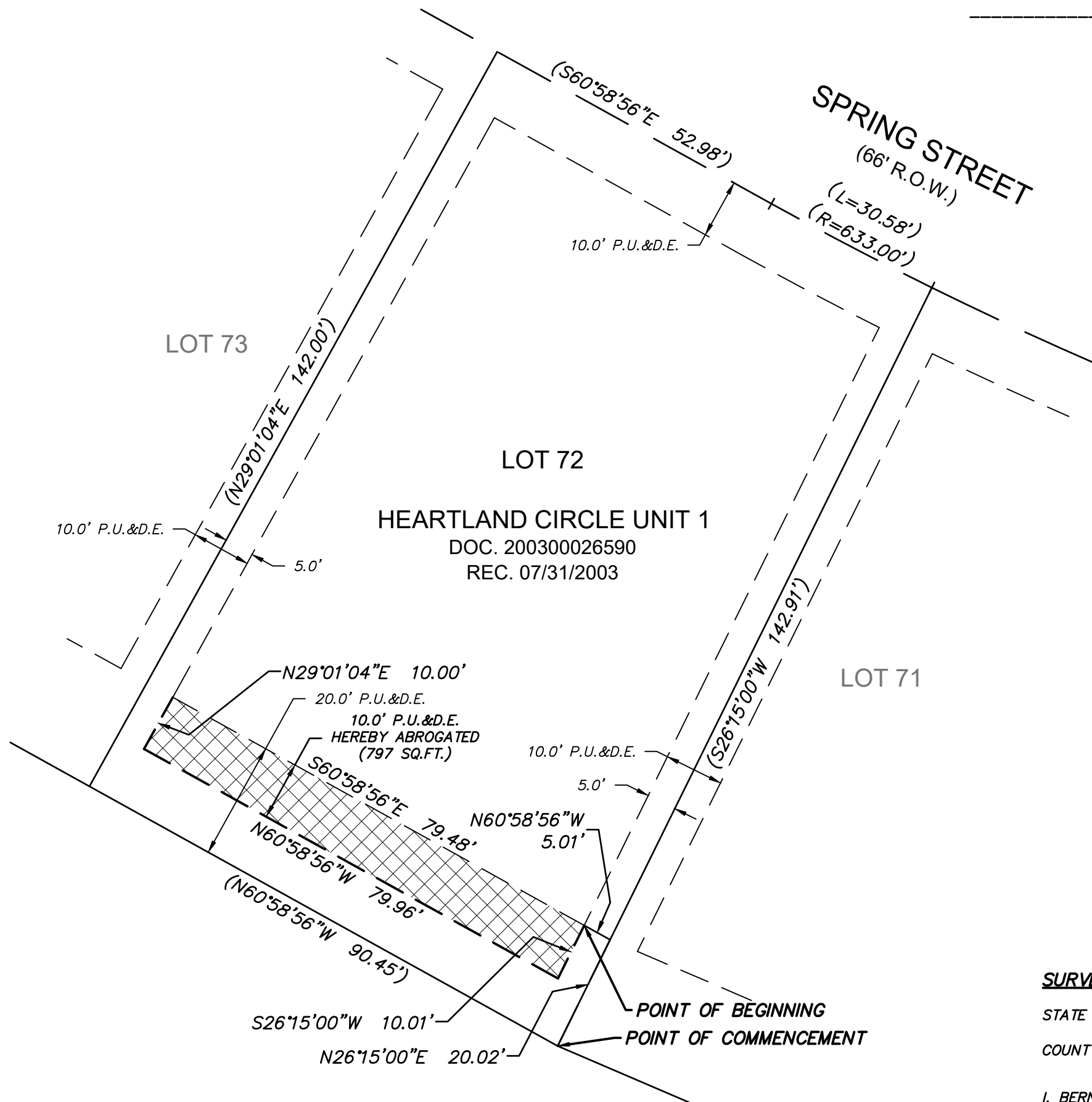
A PORTION OF THE PUBLIC UTILITY AND DRAINAGE EASEMENT LOCATED UPON LOT 72 IN HEARTLAND CIRCLE UNIT 1, ACCORDING TO THE PLAT THEREOF RECORDED JULY 31, 2003 AS DOCUMENT 200300026590, IN KENDALL COUNTY, ILLINOIS, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCING AT THE SOUTHERLY MOST CORNER OF SAID LOT 72; THENCE NORTH 26 DEGREES 15 MINUTES 00 SECONDS EAST, ALONG THE SOUTHEASTERLY LINE OF SAID LOT 72, 20.02 FEET; THENCE NORTH 60 DEGREES 58 MINUTES 56 SECONDS WEST, PARALLEL WITH THE SOUTHWESTERLY LINE OF SAID LOT 72 10.01 FEET FOR A POINT OF BEGINNING; THENCE SOUTH 26 DEGREES 15 MINUTES 00 SECONDS WEST PARALLEL WITH SAID SOUTHEASTERLY LINE, 10.01 FEET; THENCE NORTH 60 DEGREES 58 MINUTES 56 SECONDS WEST, PARALLEL WITH SAID SOUTHWESTERLY LINE, 79.96 FEET; THENCE NORTH 29 DEGREES 01 MINUTES 04 SECONDS EAST, PARALLEL WITH THE NORTHWESTERLY LINE OF SAID LOT 72, 10.00 FEET; THENCE SOUTH 60 DEGREES 58 MINUTES 56 SECONDS EAST, PARALLEL WITH SAID SOUTHWESTERLY LINE, 79.48 FEET TO SAID POINT OF BEGINNING, IN KENDALL COUNTY.

## RECORDER'S CERTIFICATE

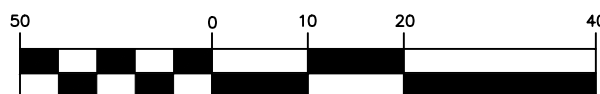
STATE OF ILLINOIS )  
COUNTY OF KENDALL ) S.S.

THIS INSTRUMENT NO. \_\_\_\_\_ WAS FILED FOR RECORD IN THE RECORDER'S OFFICE OF KENDALL COUNTY, ILLINOIS. ON THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_\_, AT \_\_\_\_\_ O'CLOCK \_\_\_\_\_ M.

KENDALL COUNTY RECORDER



GRAPHIC SCALE



( IN FEET )  
1 inch = 20 ft.

## HATCH LEGEND

PUBLIC UTILITY & DRAINAGE EASEMENT (P.U.&D.E.) HEREBY ABROGATED

## SURVEYOR'S CERTIFICATION

STATE OF ILLINOIS )  
COUNTY OF KANE ) S.S.

I, BERNARD J. BAUER, ILLINOIS PROFESSIONAL LAND SURVEYOR NUMBER 3799, DO HEREBY CERTIFY THAT THE PLAT OF ABROGATION HEREON DRAWN WAS PREPARED USING PREVIOUS SURVEY INFORMATION AND MAPS, PLATS AND OTHER INSTRUMENTS OF RECORD FOR THE USES AND PURPOSES HEREIN SET FORTH.

DATED AT AURORA, KANE COUNTY, ILLINOIS FEBRUARY 05, A.D. 2021.

BERNARD J. BAUER, P.L.S. (bbauer@hrgreen.com)  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3799  
LICENSE EXPIRATION DATE: 11/30/2022

REVISION DESCRIPTION

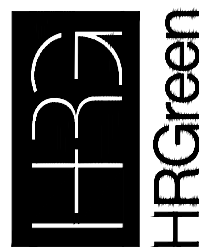
BY

DATE

NO.

Illinois Professional Design Firm # 184-001322

2363 Sequoia Drive, Suite 101  
Aurora, Illinois 60506  
t. 630.553.7560 f. 630.553.7646  
www.hrgreen.com



PLAT OF ABROGATION

OF  
PUBLIC UTILITY AND DRAINAGE EASEMENT  
OVER A PORTION 1162 SPRING STREET  
UNITED CITY OF YORKVILLE  
KENDALL COUNTY, ILLINOIS

BAR IS ONE INCH ON  
OFFICIAL DRAWINGS  
0 1"  
IF NOT ONE INCH,  
ADJUST SCALE ACCORDINGLY

DRAWN BY: BJB  
APPROVED: MD  
JOB DATE: 12/23/2020  
JOB NO: 201681

SHEET

1 OF 1





Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input 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 type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #9

Tracking Number

PW 2021-16

### Agenda Item Summary Memo

**Title:** Ashley Road Improvements – Status Update

**Meeting and Date:** Public Works Committee – March 16, 2021

**Synopsis:** Status Update

### Council Action Previously Taken:

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

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

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

**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  
Lisa Pickering, City Clerk  
Krysti Barksdale-Noble, Community Development Director

Date: February 26, 2021  
Subject: Ashley Road Improvements – Status Update

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This memo is to provide an update as to the status of the planned improvements.

Per Agreement (attached), the construction of the Rt 126 and Ashley Road intersection improvements and the improvements along Ashley Road are to be completed by November 2021.

IDOT has completed their review of the intersection plans and have issued a permit for construction (attached).

We have completed the review of the Ashley Road plans and approved them for construction.

All performance guarantees are also in place. At this time, we fully expect the project to be constructed during this construction season.

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





201800006935

DEBBIE GILLETTE  
RECORDER - KENDALL COUNTY, IL

RECORDED: 5/22/2018 11:34 AM  
ORDI: 44.00 RHSPS FEE: 10.00  
PAGES: 9

**UNITED CITY OF YORKVILLE  
KENDALL COUNTY, ILLINOIS**

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**ORDINANCE NO. 2018-27**

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AN ORDINANCE OF THE UNITED CITY OF YORKVILLE, KENDALL COUNTY,  
ILLINOIS, APPROVING A THIRD AMENDMENT TO THE ANNEXATION AGREEMENT  
OF YORKVILLE FARMS DEVELOPMENT AND THE UNITED CITY OF YORKVILLE  
*(Prestwick of Yorkville Subdivision)*

Passed by the City Council of the  
United City of Yorkville, Kendall County, Illinois  
This 24<sup>th</sup> day of April, 2018

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Prepared by and Return to:

United City of Yorkville  
800 Game Farm Road  
Yorkville, IL 60560

Published in pamphlet form by the  
authority of the Mayor and City Council  
of the United City of Yorkville, Kendall  
County, Illinois on May 21, 2018.



**AN ORDINANCE OF THE UNITED CITY OF YORKVILLE, KENDALL COUNTY,  
ILLINOIS, APPROVING A THIRD AMENDMENT TO THE ANNEXATION  
AGREEMENT OF YORKVILLE FARMS DEVELOPMENT AND THE UNITED CITY  
OF YORKVILLE**  
*(Prestwick of Yorkville Subdivision)*

**WHEREAS**, the United City of Yorkville, Kendall County, Illinois (the “City”) is a duly organized and validly existing non home-rule municipality created in accordance with the Constitution of the State of Illinois of 1970 and the laws of the State; and,

**WHEREAS**, Section 11-15.1-1 *et seq.* of the Illinois Municipal Code (65 ILCS 5/11-15.1-1 *et seq.*) grants the City with authority to enter into an annexation agreement with one or more owners of land in an unincorporated territory; and,

**WHEREAS**, on April 26, 2005, by Ordinance No. 2005-30, the Mayor and City Council (the “Corporate Authorities”) authorized the execution of an Annexation Agreement of Yorkville Farm Development (the “Original Agreement”), which Original Agreement was recorded with the Kendall County Recorder’s Office on December 19, 2005 as document #200500039118; the Original Agreement, among other things, provided for the zoning of an approximately 190 acre parcel of real property (the “Property”) owned by John C. Stewart and Michelle L. Stewart (the “Owners”) as R-2 Single Family Resident District; and,

**WHEREAS**, on October 8, 2013 and May 27, 2014, by Ordinance Nos. 2013-56 and 2014-26, the Corporate Authorities approved first and second amendments to the Original Agreement, which amendments were recorded with the Kendall County Recorder’s Office on October 30, 2013 and February 3, 2015 as document #201300022150 and document #201500001628, respectively; said amendments approved a revised plat of subdivision, established permitted uses for a portion of the Property to be developed as a school, changed the



name of the subdivision provided for in the Original Agreement to Ashley Pointe, and revised certain aspects of the Owners' security requirements; and,

**WHEREAS**, the Owner/Developer has now requested to amend the Original Agreement and subsequent amendments thereto to delay the construction of certain intersection roadway improvements to Ashley Road and Route 126; and,

**WHEREAS**, the Corporate Authorities believe it to be in the best interests of the City and its residents to grant the Owners' request pursuant to the terms and conditions as set forth in a third amendment.


**NOW, THEREFORE, BE IT ORDAINED** by the Mayor and City Council of the United City of Yorkville, Kendall County, Illinois, as follows:

*Section 1.* That the recitals in the preambles to this Ordinance are incorporated into this Section 1 as if fully set forth herein.

*Section 2.* That the Third Amendment to the Annexation Agreement of Yorkville Farms Development and the United City of Yorkville, attached hereto and made a part hereof, is hereby approved and the Mayor, City Clerk, and City Administrator are hereby authorized to execute and deliver said Third Amendment and undertake any and all actions as may be required to implement its terms on behalf of the City.

*Section 3.* This Ordinance shall be in full force and effect from and after its passage and approval as provided by law.

*Passed* by the City Council of the United City of Yorkville, Kendall County, Illinois, this 24 day of April, A.D. 2018.

  
CITY CLERK



CARLO COLOSIMO

Y

JACKIE MILSCHEWSKI

Y

CHRIS FUNKHOUSER

Y

SEAVER TARULIS

Y

KEN KOCH

Y

ARDEN JOE PLOCHER

N

JOEL FRIEDERS

N

ALEX HERNANDEZ

—

MAYOR GOLINSKI

Y

**APPROVED** by me, as Mayor of the United City of Yorkville, Kendall County, Illinois,  
this 16 day of MAY, A.D. 2018.

  
MAYOR

*Attest:*

  
CITY CLERK



**THIRD AMENDMENT TO THE ANNEXATION AGREEMENT OF YORKVILLE  
FARMS DEVELOPMENT AND THE UNITED CITY OF YORKVILLE**  
*(Prestwick of Yorkville Subdivision)*

This Third Amendment to the Annexation Agreement of Yorkville Farm Development (Prestwick of Yorkville Subdivision) (the "Amendment"), is made and entered into this 16 day of MAY, 2018, by and between the United City of Yorkville, Kendall County, Illinois, a municipal corporation (the "City"), and the owner of record John C. Stewart and Michelle L. Stewart ("Owner" or "Developer" or "Owner/Developer").

**WITNESSETH**

**WHEREAS**, Owner owns fee simple title to the real property which is legally described in Exhibit A attached hereto, consisting of approximately 190 acres, more or less (hereinafter "*Property*"); and,

**WHEREAS**, on April 26, 2005, the Mayor and City Council (the "*Corporate Authorities*") entered into an Annexation Agreement of Yorkville Farm Development (the "*Original Agreement*") which provided for the zoning of the Property as R-2 Single Family Resident District established the required infrastructure and public improvements deemed necessary to serve the Property when developed, and set forth the required donations, fees and security to guarantee the completion and maintenance of the public improvements; and,

**WHEREAS**, on October 8, 2013, the Corporate Authorities approved the First Amendment to the Annexation Agreement of Yorkville Farms Development and the United City of Yorkville (Prestwick of Yorkville Subdivision) (the "*First Amendment*") which among other things, approved a revised plat of subdivision; established permitted uses for a portion of the Property to be developed as a school, changed the name of the Subdivision to Ashley Pointe; and revised the security requirements of the Owner/Developer to include security for the school improvements including roadways; and,

**WHEREAS**, on May 27, 2014, the Corporate Authorities approved the Second Amendment to the Annexation Agreement of Yorkville Farms Development and the United City of Yorkville (Ashley Pointe Subdivision f/k/a Prestwick of Yorkville) (the "*Second Amendment*") which among other things, reduced the security requirements of the Owner/Developer including roadways; and



**WHEREAS**, the Owner/Developer has now requested to amend the Original Agreement and subsequent amendments thereto to revise the language reducing the security requirements of the Owner/Developer, including roadways.

**NOW, THEREFORE**, in consideration of the mutual covenants, agreements and conditions herein contained, and by authority of and in accordance with the aforesaid statutes of the State of Illinois, the parties agree as follows:

1. The foregoing Preambles are hereby adopted as if fully restated herein.
2. Section 2 of the Second Amendment, which amended Paragraph 4 of the First Amendment, which amended Paragraph 6 of the Original Agreement stating that “the Developer will provide any required security for the high school improvements, including roadways”, is further amended by amending Section 2 as follows:
  - a. The Developer acknowledges its responsibility for all required security for the high school improvements, including roadways.
  - b. Owner/Developer agrees not to construct any permanent access roadway from the Yorkville Christian School site to Ashley Road until the intersection improvements for Ashley Road and Route 126 are completed.
  - c. The City agrees that a temporary emergency access off of Ashley Road shall be constructed.
  - d. The City agrees that the intersection improvements for Ashley Road and Route 126 (Intersection Improvements) shall be completed by Owner/Developer before November 2021 (“Intersection Improvement Completion Date”).
  - e. Developer will perform the necessary engineering, prepare the necessary application, and prepare the necessary drawings and plans to apply to Illinois Department of Transportation (IDOT) for the permit to complete the Intersection Improvements, apply for the permit from IDOT and install the Intersection Improvements pursuant to the permit issued by IDOT on or before the Intersection Improvement Completion Date.
  - f. Developer shall not be responsible for delays caused by the following: acts of God, fire, strikes, war, riots, governmental regulation or restriction, labor or material shortages, damage by the elements, force majeure, or any other cause or casualty beyond the control of Developer that might delay the installation of the Intersection Improvements.
  - g. The City requires security from Developer/Owner for the Intersection Improvements at Route 126 and Ashley Road, said security to be released at such time as Owner/Developer has deposited sufficient security for said Intersection Improvements with IDOT, and the City has received confirmation from IDOT of the receipt of such security.




3. All other terms and conditions of the Original Agreement, as amended by the First and Second Amendments, remain in full force and effect.

IN WITNESS WHEREOF, the parties have hereunto set their hands on this 16 day of MAY, 2018.

United City of Yorkville, an Illinois municipal  
Corporation

By: \_\_\_\_\_


Mayor



Attest:

  
\_\_\_\_\_  
City Clerk

  
\_\_\_\_\_  
John C. Stewart

  
\_\_\_\_\_  
Michelle L. Stewart



## EXHIBIT A

### UNIT ONE:

LOTS 1 THROUGH 10, INCLUSIVE, LOTS 12 THROUGH 41, INCLUSIVE, LOTS 43 THROUGH 50, INCLUSIVE, LOTS 52 THROUGH 63, INCLUSIVE, LOT 65 THROUGH 108, INCLUSIVE, LOTS 357 THROUGH 363, INCLUSIVE, AND LOT 365 IN PRESTWICK OF YORKVILLE UNIT 1, BEING A SUBDIVISION OF PART OF SECTIONS 3 & 10, TOWNSHIP 36 NORTH, RANGE 7 EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED OCTOBER 31, 2006, AS DOCUMENT NUMBER 200600035287, IN THE UNITED CITY OF YORKVILLE, KENDALL COUNTY, ILLINOIS.

### UNIT TWO:

THAT PART OF THE EAST HALF OF SECTION 10, TOWNSHIP 36 NORTH, RANGE 7 EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: COMMENCING AT THE NORTHWEST CORNER OF THE NORTHEAST QUARTER OF SAID SECTION 10; THENCE SOUTH 01 DEGREES 32 MINUTES 35 SECONDS EAST ALONG THE WEST LINE OF THE EAST HALF OF SAID SECTION 10, 1776.14 FEET FOR THE POINT OF BEGINNING; THENCE SOUTH 54 DEGREES 40 MINUTES 34 SECONDS EAST, 258.23 FEET; THENCE NORTHEASTERLY ALONG A CURVE TO THE RIGHT WITH A RADIUS OF 283.00 FEET AND A CHORD BEARING OF NORTH 38 DEGREES 32 MINUTES 30 SECONDS EAST, AN ARC LENGTH OF 31.79 FEET; THENCE NORTH 41 DEGREES 45 MINUTES 34 SECONDS EAST, 269.09 FEET; THENCE NORTHEASTERLY ALONG A CURVE TO THE RIGHT WITH A RADIUS OF 283.00 FEET AND A CHORD BEARING OF NORTH 68 DEGREES 21 MINUTES 45 SECONDS EAST, AN ARC LENGTH OF 262.80 FEET; THENCE SOUTH 85 DEGREES 02 MINUTES 05 SECONDS EAST, 0.59 FEET; THENCE NORTHEASTERLY ALONG A CURVE TO THE LEFT WITH A RADIUS OF 25.00 FEET AND A CHORD BEARING OF NORTH 54 DEGREES 36 MINUTES 04 SECONDS EAST, AN ARC LENGTH OF 35.22 FEET; THENCE SOUTH 75 DEGREES 45 MINUTES 48 SECONDS EAST, 70.00 FEET; THENCE SOUTHERLY ALONG A CURVE TO THE LEFT WITH A RADIUS OF 265.00 FEET AND A CHORD BEARING OF SOUTH 14 DEGREES 09 MINUTES 29 SECONDS WEST, AN ARC LENGTH OF 0.73 FEET; THENCE SOUTH 75 DEGREES 55 MINUTES 15 SECONDS EAST, 145.79 FEET; THENCE SOUTH 00 DEGREES 43 MINUTES 57 SECONDS WEST, 61.16 FEET; THENCE SOUTH 29 DEGREES 47 MINUTES 52 SECONDS EAST, 37.26 FEET; THENCE NORTH 76 DEGREES 49 MINUTES 03 SECONDS EAST, 116.69 FEET; THENCE SOUTH 81 DEGREES 47 MINUTES 13 SECONDS EAST, 153.95 FEET; THENCE SOUTH 63 DEGREES 29 MINUTES 31 SECONDS EAST, 112.02 FEET; THENCE SOUTH 45 DEGREES 59 MINUTES 45 SECONDS EAST, 111.92 FEET; THENCE SOUTH 29 DEGREES 23 MINUTES 15 SECONDS EAST, 55.65 FEET; THENCE NORTH 78 DEGREES 20 MINUTES 45 SECONDS EAST, 90.04 FEET; THENCE NORTH 82 DEGREES 41 MINUTES 33 SECONDS EAST, 88.65 FEET; THENCE NORTH 87 DEGREES 00 MINUTES 20 SECONDS EAST, 88.65 FEET; THENCE SOUTH 88 DEGREES 40 MINUTES 53 SECONDS EAST, 88.65 FEET; THENCE SOUTH 88 DEGREES 00 MINUTES 08 SECONDS EAST, 85.86 FEET; THENCE SOUTH 83 DEGREES 43 MINUTES 10 SECONDS EAST, 238.13 FEET; THENCE NORTH 04 DEGREES 45 MINUTES 16 SECONDS EAST, 13.20 FEET; THENCE NORTH 11 DEGREES 14 MINUTES 44 SECONDS EAST, 288.09 FEET; THENCE NORTH 62 DEGREES 41 MINUTES 24 SECONDS EAST, 127.61 FEET; THENCE SOUTHEASTERLY ALONG A CURVE TO THE RIGHT WITH A RADIUS OF 267.00 FEET AND A CHORD BEARING OF SOUTH 22 DEGREES 18 MINUTES 37 SECONDS EAST, AN ARC LENGTH OF 46.60 FEET; THENCE NORTH 72 DEGREES 41 MINUTES 23 SECONDS EAST, 216.00 FEET; THENCE SOUTH 10 DEGREES 59 MINUTES 02 SECONDS EAST, 106.45 FEET;



THENCE SOUTH 01 DEGREES 40 MINUTES 08 SECONDS WEST, 106.45 FEET; THENCE SOUTH 10 DEGREES 43 MINUTES 58 SECONDS WEST, 86.80 FEET; THENCE SOUTH 11 DEGREES 14 MINUTES 44 SECONDS WEST, 80.00 FEET; THENCE SOUTH 07 DEGREES 24 MINUTES 58 SECONDS WEST, 72.99 FEET; THENCE SOUTH 05 DEGREES 14 MINUTES 55 SECONDS EAST, 71.04 FEET; THENCE SOUTH 18 DEGREES 06 MINUTES 54 SECONDS EAST, 71.04 FEET; THENCE SOUTH 27 DEGREES 45 MINUTES 40 SECONDS EAST, 77.42 FEET; THENCE SOUTH 28 DEGREES 15 MINUTES 03 SECONDS EAST, 80.00 FEET; THENCE SOUTH 27 DEGREES 34 MINUTES 17 SECONDS EAST, 87.88 FEET; THENCE SOUTH 15 DEGREES 28 MINUTES 24 SECONDS EAST, 106.01 FEET; THENCE SOUTH 01 DEGREES 42 MINUTES 03 SECONDS EAST, 52.39 FEET; THENCE NORTH 88 DEGREES 28 MINUTES 09 SECONDS EAST, 84.51 FEET TO THE EAST LINE OF THE NORTHEAST QUARTER OF SAID SECTION 10; THENCE SOUTH 01 DEGREES 32 MINUTES 43 SECONDS EAST, ALONG THE EAST LINE OF SAID NORTHEAST QUARTER, 74.63 FEET TO THE SOUTHEAST CORNER OF SAID NORTHEAST QUARTER; THENCE SOUTH 01 DEGREES 27 MINUTES 24 SECONDS EAST, ALONG THE EAST LINE OF THE SOUTHEAST QUARTER OF SAID SECTION 10, 1006.36 FEET TO THE SOUTHEAST CORNER OF LANDS CONVEYED TO ROBERT M. AND ELAINE E. STEWART BY DOCUMENT NO. 72-5656; THENCE SOUTH 88 DEGREES 04 MINUTES 01 SECONDS WEST, ALONG THE SOUTH LINE OF SAID LANDS PER DOCUMENT NO. 72-5656, 2655.55 FEET TO THE SOUTHWEST CORNER OF SAID LANDS PER DOCUMENT NO. 72-5656, SAID POINT BEING ON THE WEST LINE OF THE SOUTHEAST QUARTER OF SAID SECTION 10, AND 1876.91 FEET SOUTHERLY OF (AS MEASURED ALONG SAID WEST LINE) THE POINT OF BEGINNING; THENCE NORTH 01 DEGREES 32 MINUTES 35 SECONDS WEST, ALONG THE WEST LINE OF THE EAST HALF OF SAID SECTION 10, 1876.91 FEET TO THE POINT OF BEGINNING, IN THE TOWNSHIP OF KENDALL, KENDALL COUNTY, ILLINOIS AND CONTAINING 110.29 ACRES OF LAND, MORE OR LESS.





# Illinois Department of Transportation

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

November 23, 2020

Yorkville Christian High School  
Prestwick of Yorkville  
c/o H R Greene  
2363 Sequoia Drive - Suite 1  
Aurora, IL 60506

## PERMIT APPLICATION

Route: IL 126

County: Kendall

Type of Work: Subdivision Access

Dear Sir or Madam:

Please execute the attached forms according to the following directions:

1. All signatures must be in ink on all copies.
2. Mailing address to be shown where indicated.
3. Fill in date permit is signed by you in the spaces provided above your signature.
4. Have a disinterested party witness your signature on permit form by signing name in space after printed word "Witness" at the left of form. If the permit is in the city or village's name, an authorized city or village official must sign the permit.
5. If Highway Permit Bond forms are included, **sign all three original copies and have executed by a reputable bonding company. (Personal bond or a letter of credit is not acceptable.)** Please attach the name and address of the local agency through which you received the permit bond.
6. If a temporary construction permit is proposed, we will require a letter from the local municipality guaranteeing that occupancy permits from the municipality will **not** be granted until after a permanent entrance permit has been issued.
7. If traffic signals are required as part of this permit, then a city/state agreement is needed for the cost and maintenance of the proposed traffic signals before the permit will be issued by the department.



8. The attached application should be returned to this office for approval by June 1, 2021. To perform work within highway right of way without an approved permit is in violation of state law.
9. **Return all three signed original copies to the address shown above for approval by the Regional Engineer. When approved, the completed permit and permit bond will be forwarded to the applicant.**
10. If the work covered by this permit includes construction of additional lanes, turn lanes, median crossovers or traffic signals on, along or adjacent to a highway under department jurisdiction, the permittee shall use only contractor(s) approved by the Department of Transportation for the performance of said work on the state highway. A contractor currently prequalified by the department in the work rating governing the said work shall be approved. Prior to the commencement of the said work on the state highway, the applicant shall furnish the Regional Engineer a copy of the contractor's current Certificate of Eligibility, or, if the permittee proposes to use a contractor not currently prequalified by the department, information satisfactory to the department evidencing the contractor's qualification and ability to perform the said work. No work on the state highway shall be performed until the department issues an approval of the proposed contractor.

If additional information or clarification is required, please contact Scott Ferguson, Geometrics Engineer, at 815-434-8563 or e-mail [DOT.D3.Permits@illinois.gov](mailto:DOT.D3.Permits@illinois.gov).

Sincerely,

Masood Ahmad, P.E.  
Region Two Engineer



By: Dave Broviak, P.E.  
Studies & Plans Engineer




**Highway Permit**
Whereas, I (We) Yorkville Christian High School & Prestwick of Yorkville c/o H R Greene

(Name of Applicant)

(Application Serial Number)

2363 Sequoia Drive - Suite 1

(Mailing Address)

Aurora

(City)

IL

(State)

60506

(Zip Code)

hereinafter termed the Applicant, request permission and authority to do certain work herein described on the right-of-way of the State

Highway known as IL Route 126, Section \_\_\_\_\_,From Station \* to Station \_\_\_\_\_

Kendall County. The work is described in detail on the attached plan or sketch and/or as follows:

**\* LOCATED AT ASHLEY ROAD**

Upon approval this permit authorizes the applicant to locate, construct, operate and maintain at the above mentioned location, a subdivision access as shown on the attached plans which become a part hereof.

The applicant shall notify Adam Rue, Field Engineer, Phone: 630-553-7337 or the District Permit Section, Phone: 815-434-8490 twenty-four hours in advance of starting any work covered by this permit.  
Aggregate material shall be obtained from a state approved stockpile and shall be:

Aggregate material shall be obtained from a state approved stockpile and shall be:

**SUB-BASE GRANULAR MATERIAL TYPE A (CA-6 GRADATION).**

The state right of way shall be left in good condition. (No advertising matter shall be placed on the state right of way).

**(SEE ATTACHED SPECIAL PROVISIONS)**

All work authorized by this permit shall be completed 180 Days after the date this permit is approved, otherwise the permit becomes null and void.

**This permit is subject to the conditions and restrictions printed on the second page of this form.**

This permit is hereby accepted and its provisions agreed to this \_\_\_\_\_ day of \_\_\_\_\_.

Witness Signature

Date

Applicant Signature

Date





Address

Address



City

State

Zip Code

City

State

Zip Code



Sign and Return to: Regional Engineer

Regional Engineer Signature

Date



Approved by Department of Transportation:



**First:** The Applicant represents and warrants that he/she is the party in interest respecting this Permit and that he/she is the agent in fact with authority to bind all parties in interest to the obligations and undertakings agreed to in this Permit. The Applicant represents and warrants that the property lines shown on the attached plan sheet(s) or sketch are true and correct, and that all proposed work is accurately depicted thereon.

**Second:** The proposed work shall be located and constructed to the satisfaction of the Regional Engineer or his/her duly authorized representative. No revision or additions shall be made to the proposed work on the right-of-way without the written permission of the Regional Engineer. The Applicant agrees to complete all work to the standards and specifications identified by the Regional Engineer or his/her authorized representative as a condition of granting this Permit. The Applicant agrees to furnish all labor, equipment and material, portions of the highway right-of-way to the condition satisfactory to the Regional Engineer or his/her authorized representative including, but not limited to, all landscape restoration. The Applicant shall not trim, cut or in any way disturb any trees or shrubbery along the highway without the approval of the Regional Engineer or his/her duly authorize representative. Any and all documents, writings and notes reflecting or identifying the standards, specifications, understandings and conditions applicable to the performance of the permitted work required by the Regional Engineer or his/her authorized representative are hereby incorporated into this Permit by reference as though fully set forth herein.

**Third:** The Applicant shall at all times conduct the work in such a manner as to minimize hazards to vehicular and pedestrian traffic. Traffic controls and work site protection shall be in accordance with the applicable requirements of Part 6 (Temporary Traffic Control) of the Illinois Manual on Uniform Traffic Control Devices and with the traffic control plan if one is required elsewhere in the permit. All signs, barricades, flaggers, etc., required for traffic control shall be furnished by the Applicant. The work may be done on any day except Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day. Work shall be done only during daylight hours.

**Fourth:** The work performed by the Applicant is for the bona fide purpose expressed and not for the purpose of, nor will it result in, the parking or serving of vehicles on the highway right-of-way. Signs located on or overhanging the right-of-way shall be prohibited.

**Fifth:** The Applicant shall engage in only the proposed work approved herein, and subject to the hazards incident to such activities, assumes all risks associated therewith. The Applicant assumes full and strict liability for the actions of itself, all parties in interest, its agents and employees, contractors, subcontractors and consultants. The Applicant and all parties in interest shall save, defend, hold harmless and indemnify the State of Illinois and each of its officers, agents, employees, invitees and others associated with it from and against any and all suits, claims, actions, losses, injuries, damages, judgments and expenses that are based on, or that arise or are alleged to have arisen out of the performance of the work approved herein, including, but not limited to, any act, willful or intended, or negligence of the Applicant and any party in interest, its agents and employees, contractors, subcontractors and consultants whether at law, in equity or common law. In the event the Applicant or any party in interest fails, neglects, or refuses to comply with any provision of this indemnity, the State of Illinois may take any action necessary to protect itself from liability, including any action to pay, settle, compromise and procure the discharge thereof, in which case the Applicant or any party in interest, jointly and severally, shall be liable and bound unto the State of Illinois for any and all expenses related thereto, including attorney's fees.

**Sixth:** The State reserves the right to make such changes, additions, repairs and relocations within its statutory limits to the facilities constructed under this permit or their appurtenances on the right-of-way as may at any time be considered necessary to permit the relocation, reconstruction, widening or maintaining of the highway and/or provide proper protection to life and property on or adjacent to the State right-of-way. However, in the event this permit is granted to construct, locate, operate and maintain utility facilities on the State right-of-way, the Applicant, upon written request by the Regional Engineer, shall perform such alterations or change of location of the facilities, without expense to the State, and should the Applicant fail to make satisfactory arrangements to comply with this request within a reasonable time, the State reserves the right to make such alterations or change of location or remove the work, and the Applicant agrees to pay for the cost incurred.

**Seventh:** This permit is effective only insofar as the Department has jurisdiction and does not presume to release the Applicant from compliance with the provisions of any exiting statutes or local regulations relating to the construction of such work.

**Eighth:** The Construction of access driveways is subject to the regulations listed in the "Policy on Permits for Access Driveways to State Highways". If , in the future, the land use of property served by an access driveway described and constructed in accordance with this permit changes so as to require a higher driveway type as defined in that policy, the owner shall apply for a new permit and bear the costs for such revisions as may be required to conform to the regulations listed in the policy. Utility installations shall be subject to the "Policy on the Accommodation of Utilities on Right-of-Way of the Illinois State Highway System".

**Ninth:** If the work covered by this permit includes construction of additional lanes, turn lanes, median cross-overs or traffic signals on, along or adjacent to a highway under Department jurisdiction, the permittee shall use only contractor(s) approved by the Department of Transportation for the performance of said work on the State highway. A contractor currently prequalified by the Department in the work rating governing the said work shall be approved. Prior to the commencement of the said work on the State highway, the applicant shall furnish the Regional Engineer a copy of the contractor's current Certificate of Eligibility, or, if the permittee proposes to use a contractor not currently prequalified by the Department, information satisfactory to the Department evidencing the contractor's qualification and ability to perform the said work. No work on the State highway shall be performed until the Department issues an approval of the proposed contractor.



### SPECIAL PROVISIONS

The petitioner, their successors, or assigns, shall maintain that portion of the driveway on state right of way in such a manner satisfactory to the department, otherwise the department will maintain the shoulders included in the entrance driveways to the same standard that exists on adjacent shoulders, and if necessary, such areas will be restored to the original cross section and earth shoulders.

All turf areas which are disturbed during the course of this work shall be restored to the original line and grade and be promptly seeded in accordance with Standard State Specifications.

Permission of the city of Yorkville must also be secured by the petitioner for this work.

Whenever any of the work under this permit involves any obstruction or hazard to the free flow of traffic in the normal traffic lanes, plans for the proposed method of traffic control must be submitted to and approved by the Regional Engineer at least 72 hours, and preferably longer, before the start of work.

All traffic control shall be in accordance with the State of Illinois Manual of Uniform Traffic Control Devices and amendments thereof. It should be noted that standards and typical placement of devices shown in the Uniform Manual are minimums. Many locations may require additional or supplemental devices.

The petitioner agrees to furnish the necessary barricades, lights, and flagmen for the protection of traffic.

Traffic shall be maintained at all times.

The applicant agrees to notify the Department of Transportation upon completion of work covered under the terms and conditions of this permit so that a final inspection and acceptance can be made.

To avoid any revisions to the work completed under the highway permit, the applicant should insure the conditions and restrictions of this permit, the applicable supplemental permit specifications and permit drawing are fully understood.

If this permit work is contracted out, it will be the responsibility of the applicant to furnish the contractor with a copy of this highway permit, as the applicant will be responsible for the contractor's work.

A copy of approved permit shall be present on job site at all times the work is in progress.

The department reserves the right to reject or accept any contractor hired by the applicant.

To ensure the fulfillment of the obligations assumed by the applicant, this permit is bonded by the \_\_\_\_\_ in the amount of ten thousand (\$10,000.00) dollars for a period of five years after the date of approval.





Address City State District Bond No.  
700 East Norris Drive Ottawa IL 61350

KNOWN ALL MEN BY THE PRESENTS, That I (We) \_\_\_\_\_  
(Name of Applicant)

\_\_\_\_\_  
(Mailing Address) City State Zip Code

as Principal, and \_\_\_\_\_  
(Surety Company)

a corporation organized and existing under the laws of the State of Illinois and licensed to do  
business in the State of Illinois, are held firmly bound unto the people of the State of Illinois in the penal sum of  
Ten Thousand and No/100 Dollars

( 10,000.00 ) lawful money of the United States well and truly to be paid unto said people of the State of Illinois,  
for payment of which we bind ourselves, our successors and assigns, jointly, severally, and firmly by these presents.

WHEREAS, Highway Permit No. L-17117 Issued by the Department of Transportation  
of the State of Illinois grants to \_\_\_\_\_ permission and  
authority to construct, locate, operate, and maintain the work described in said Permit, upon or adjacent to

IL Route 126 in Kendall County as more fully described in  
said Permit and Sketch, which by this reference are made a part hereof as if written herein at length, in and by which Permit and Sketch  
the said Principal has promised and agreed to perform said described operation and related activities in accordance with the terms and  
conditions of and description in said Permit and Sketch.

NOW THEREFORE, if the said Principal shall well and truly perform said operations in accordance with the terms and conditions  
of and description in said Permit and Sketch to the satisfaction of said Department, and shall perform no other work or construction at said  
location without first applying for and receiving another permit from said Department, then no claim or demand will be made against the  
above obligation. Otherwise, this bond or so much thereof as may be necessary shall insure to the said Department as cost and expense  
to change and correct, during a period of five years from the date of approval of this bond by the Department, said construction to  
conform to the terms and conditions of and description in said Permit and Sketch.

IN WITNESS WHEREOF, WE HAVE DULY EXECUTED THE FOREGOING

This \_\_\_\_\_ Day of \_\_\_\_\_ , \_\_\_\_\_

Principal Name

\_\_\_\_\_

Surety

Address

\_\_\_\_\_

Address

City

State

Zip Code

\_\_\_\_\_

City

State

Zip Code

Phone

\_\_\_\_\_

Attorney in Fact

Date

Signature

Date

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

(Seal)

(Seal)

Agent for Surety

Department of Transportation Signature

Date

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Address

\_\_\_\_\_

City

State

Zip Code

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Surety Signature

Date

\_\_\_\_\_

\_\_\_\_\_

Regional Engineer





Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input 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 type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #10

Tracking Number

PW 2021-17

### Agenda Item Summary Memo

**Title:** Stop Sign Analysis – Freemont and Somonauk Streets and Heartland Circle

**Meeting and Date:** Public Works Committee – March 16, 2021

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

#### Council Action Previously Taken:

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

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

**Type of Vote Required:** Majority

**Council Action Requested:** Consideration of Approval

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

#### Agenda Item Notes:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_





# Memorandum

To: Bart Olson, City Administrator  
From: Brad Sanderson, EEI  
CC: Eric Dhuse, Director of Public Works  
Krysti Barksdale-Noble, Community Dev. Dir.  
Lisa Pickering, City Clerk  
Date: February 23, 2021  
  
Subject: Somonauk Street and Freemont Street – Multi-Way Stop Sign Analysis

---

As requested, we investigated the possible installation of multi-way stop signs at the following intersections:

- Somonauk Street and Freemont Street

EEI collected 24-hour traffic counts via on-road tube collectors for the intersection of Somonauk Street and Freemont Street on Wednesday, January 13, 2021. We also collected seven-day speed data from Wednesday, February 10, 2021 to Tuesday, February 16, 2021 via bi-directional traffic collector radar detection along Somonauk Street.

The governing entity on traffic control signage is the Manual on Uniform Traffic Control Devices (MUTCD). The manual states as follows in regard to stop sign installation:

*Guidance:*

*Engineering judgment should be used to establish intersection control. The following factors should be considered:*

- A. Vehicular, bicycle, and pedestrian traffic volumes on all approaches;*
- B. Number and angle of approaches;*
- C. Approach speeds;*
- D. Sight distance available on each approach; and*
- E. Reported crash experience.*

*YIELD or STOP signs should be used at an intersection if one or more of the following conditions exist:*

- A. An intersection of a less important road with a main road where application of the normal right-of-way rule would not be expected to provide reasonable compliance with the law;*
- B. A street entering a designated through highway or street; and/or*
- C. An unsignalized intersection in a signalized area.*

*In addition, the use of YIELD or STOP signs should be considered at the intersection of two minor streets or local roads where the intersection has more than three approaches and where one or more of the following conditions exist:*

- A. The combined vehicular, bicycle, and pedestrian volume entering the intersection from all approaches averages more than 2,000 units per day;*
- B. The ability to see conflicting traffic on an approach is not sufficient to allow a road user to stop or yield in compliance with the normal right-of-way rule if such stopping or yielding is necessary; and/or*

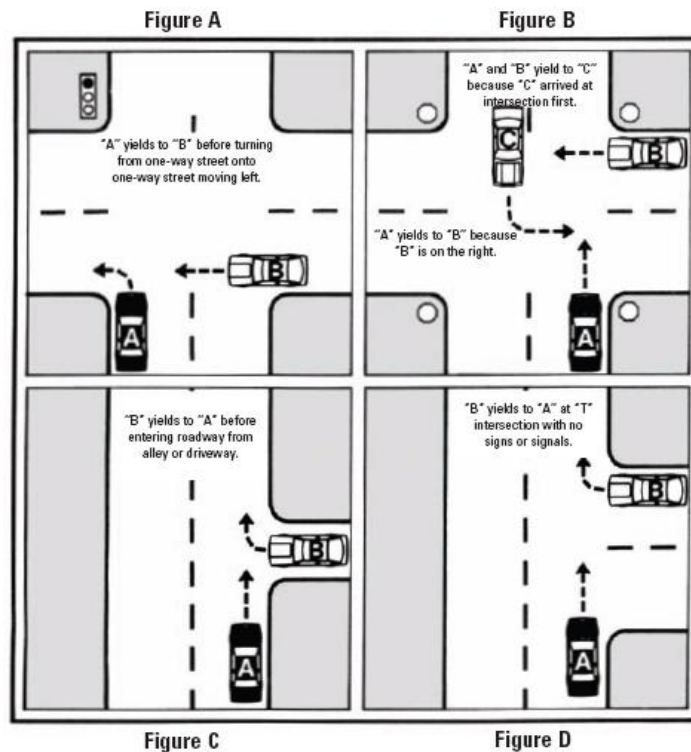


*C. Crash records indicate that five or more crashes that involve the failure to yield the right-of-way at the intersection under the normal right-of-way rule have been reported within a 3-year period, or that three or more such crashes have been reported within a 2-year period.*

*Yield or Stop signs should not be used for speed control.*

At unsigned intersections, the application of the normal right-of-way rules would apply.

Figure D taken from the Illinois Drivers Manual shows that the minor roadway should yield to traffic on the major roadway at uncontrolled intersections.



Our findings were as follows:

- Currently there is only YIELD signage control at the intersection of Somonauk Street and Freemont Street with Freemont Street subject to yield signage.
- **Somonauk Street and Freemont Street**
  - The traffic volume appears to exceed 2,000 units per day, hence the existing YIELD signage along Freemont Street.
  - The vehicular volumes entering the intersection from the major street approaches (Somonauk Street) appears to be below 300 vehicles per hour for any 8 hours of an average day.
  - The combined vehicular, pedestrian, and bicycle volume entering the intersection from the minor street (Freemont Street) appears to be below 200 units per hour for the same 8 hours.
  - There are no sight distance constraints.
  - The accident history is below the threshold warranting multi-way stop signs.
  - This intersection does not appear to be a good candidate for a multi-way stop sign based on the above criteria. However, EEI recommends replacing the existing YIELD



signage with STOP signage along Freemont Street to force motorists to come to a complete stop.

- **Somonauk Street Speed Evaluation**

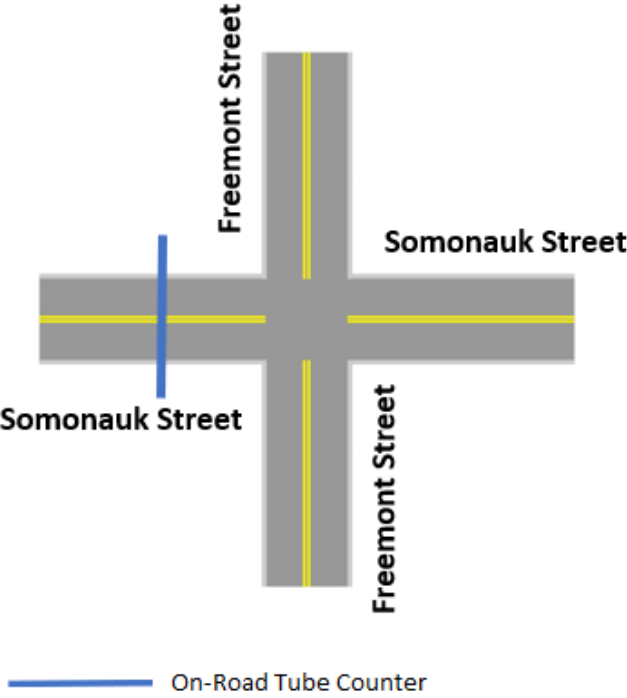
- Posted speed: not posted (assumed 30 MPH)
- Average speed: 29.7 MPH
- 85<sup>th</sup> percentile speed: 35 MPH
- Stop signs are not meant to control vehicular speed.
- This segment of roadway does not appear to be a good candidate for a multi-way stop sign based on the above criteria.
- **EEI recommends installing a posted speed limit for both the eastbound and westbound directions along Somonauk Street.**

**Crash History Reports (provided by the City)**

141293	E SOMONAUK ST / FREEMONT ST	9/16/2014 21:03	PROPERTY DAMAGE
151663	E SOMONAUK ST / FREEMONT ST	12/5/2015 8:33	PROPERTY DAMAGE
110234	E SOMONAUK ST / FREEMONT ST	2/6/2011 11:06	PROPERTY DAMAGE
131778	E SOMONAUK ST / FREEMONT ST	12/23/2013 15:38	PROPERTY DAMAGE
180022	E SOMONAUK ST / FREEMONT ST	1/4/2018 17:26	PROPERTY DAMAGE
191750	E SOMONAUK ST / FREEMONT ST	11/15/2019 7:03	PROPERTY DAMAGE
200236	E SOMONAUK ST / FREEMONT ST	2/14/2020 16:17	PROPERTY DAMAGE
202215	E SOMONAUK ST / FREEMONT ST	12/24/2020 18:30	PERSONAL INJURY
161703	FREEMONT ST / E SOMONAUK ST	11/23/2016 23:00	PROPERTY DAMAGE
181504	FREEMONT ST / E SOMONAUK ST	9/20/2018 14:30	PROPERTY DAMAGE
200949	FREEMONT ST / E SOMONAUK ST	7/7/2020 20:45	PROPERTY DAMAGE

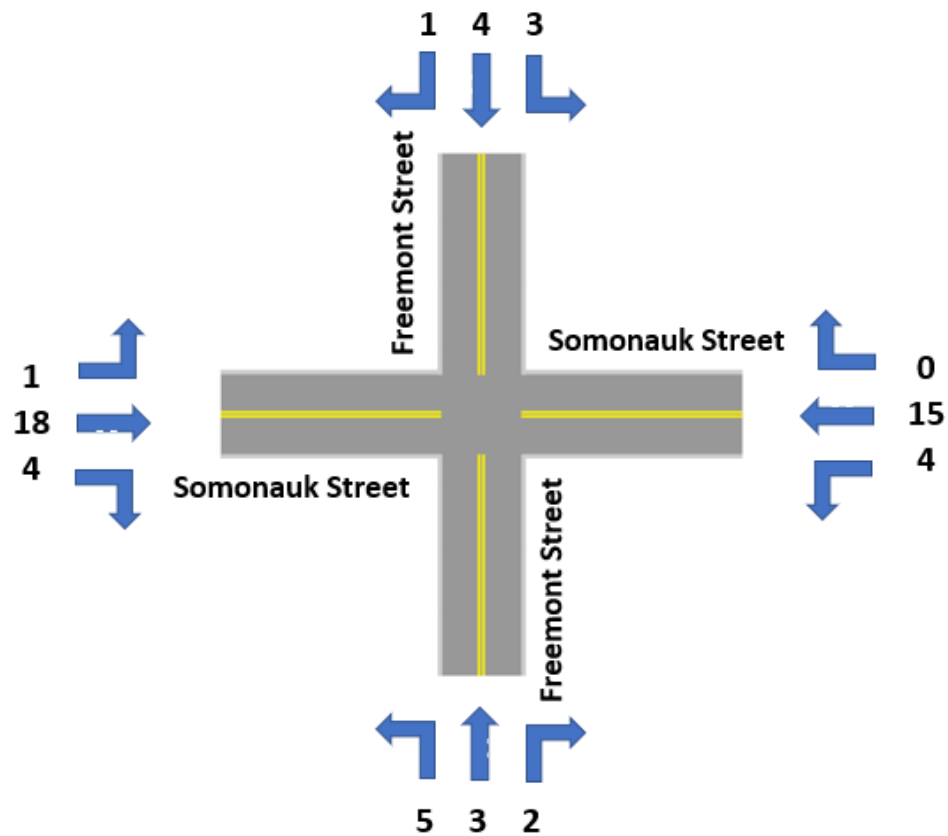


**Traffic On-Road Tube Collectors Locations**





**Field-Observed 20-minute Traffic Counts (7:40 AM – 8:00 AM)**

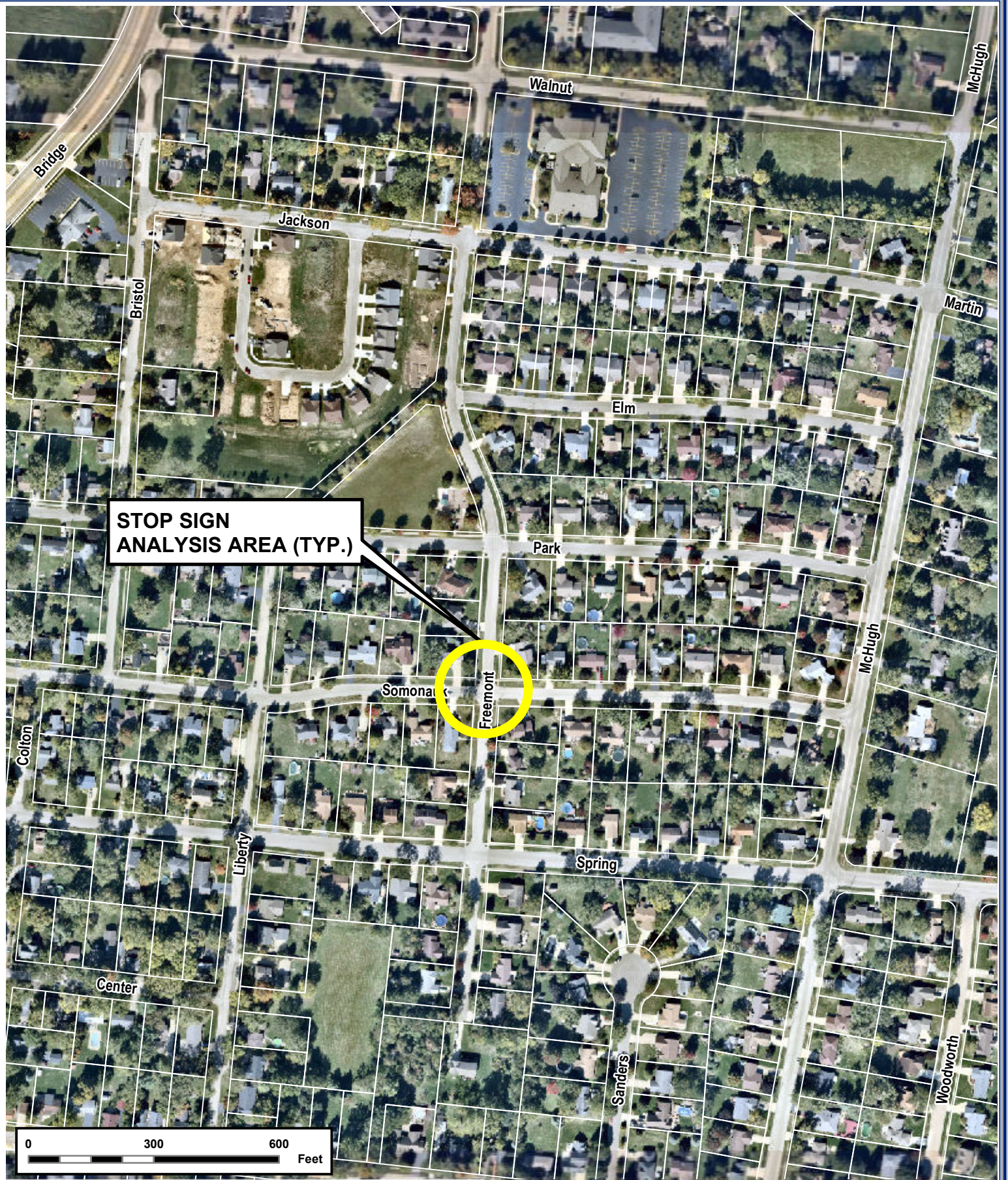


**Total 20-minute count: 60 vehicles**

**Extrapolated 60-minute count: 180 vehicles/hour**

**Extrapolated 24-hour count: 4,320 vehicles/day**





## Engineering Enterprises

52 Wheeler Road  
Sugar Grove, Illinois 60554  
(630) 466-6700  
[www.eeiweb.com](http://www.eeiweb.com)

DATE:	FEBRUARY 2021
PROJECT NO.:	YO1107-C
BY:	MJT
PATH:	H:\GIS\PUBLIC\YORKVILLE\2011\
FILE:	YO1107-Location of Analysis North.mxd

## FREEMONT & SOMONAUK ST STOP SIGN ANALYSIS





**UNITED CITY OF YORKVILLE  
MULTI-WAY STOP  
PRELIMINARY ENGINEERING EVALUATION**

Location:

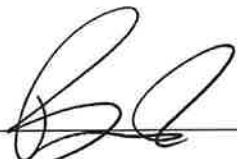
SOMONAUK STREET AND FREEMONT STREET

**Primary Criteria to Consider\***

<u>Criteria Met</u>			<u>Criteria**</u>
Yes	Additional Study Required	No	
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	A. Where traffic control signals are justified, the multi-way stop is an interim measure that can be installed quickly to control traffic while arrangements are being made for the installation of the traffic control signal.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	B. Five or more reported crashes in a 12-month period that are susceptible to correction by a multi-way stop installation. Such crashes include right-turn and left-turn collisions as well as right-angle collisions.
			C. Minimum Volumes:
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1. The vehicular volume entering the intersections from the major street approaches (total of both approaches) averages at least 300 vehicles per hour for any 8 hours of an average day; and
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2. The combined vehicular, pedestrian, and bicycle volume entering the intersections from the minor street approaches (total of both approaches) averages at least 200 units per hour for the same 8 hours, with an average delay to minor-street vehicular traffic of at least 30 seconds per vehicle during the highest hour; but
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3. If the 85th-percentile approach speed of the major-street traffic exceeds 40 mph, the minimum vehicular volume warrants are 70 percent of the values provided in Items 1 and 2.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	D. Where no single criterion is satisfied, but where Criteria B, C.1 and C.2 are all satisfied to 80 percent of the minimum values, criterion C.3 is excluded from this condition.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	E. The need to control left-turn conflicts;
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	F. The need to control vehicle/pedestrian conflicts near locations that generate high pedestrian volumes;
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	G. Locations where a road user, after stopping, cannot see conflicting traffic and is not able to negotiate the intersection unless conflicting cross traffic is also required to stop; and
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H. An intersection of two residential neighborhood collector (through) streets of similar design and operating characteristics where multi-way stop control would improve traffic operational characteristics of the intersection.

Based on a preliminary review of the criteria for a multi-way stop sign the following action is recommended:

- ☐ Criteria are clearly met recommending installation of a multi-way stop
- ☒ Criteria are not clearly met at this time - no further action recommended
- ☐ Criteria may or may not be met - additional engineering study required

By:   
SR PROJECT ENGINEER II  
 Title

Date: 2-1-21

By: \_\_\_\_\_  
CHIEF OPERATING OFFICER / PRESIDENT  
 Title

Date: \_\_\_\_\_

\* Based upon Professional Engineer's Review  
 \*\* Manual on Uniform Traffic Control Devices (MUTCD)





*Engineering Enterprises, Inc.*

SOMONAUK STREET AND FREEMONT STREET



WEST LEG OF SOMONAUK STREET  
FACING EAST



SOUTH LEG OF FREEMONT STREET  
FACING NORTH





*Engineering Enterprises, Inc.*

SOMONAUK STREET AND FREEMONT STREET



NORTH LEG OF FREEMONT STREET  
FACING SOUTH





# Memorandum

To: Bart Olson, City Administrator  
From: Brad Sanderson, EEI  
CC: Eric Dhuse, Director of Public Works  
Krysti Barksdale-Noble, Community Dev. Dir.  
Lisa Pickering, City Clerk  
Date: February 5, 2021  
Subject: Clearwater Drive and Omaha Drive – Stop Sign Analysis  
Omaha Drive (between Clearwater and Spring) – Stop Sign Analysis

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As requested, we investigated the possible installation of stop signs at the following intersections:

- Clearwater Drive and Omaha Drive
- Midway between Clearwater Drive and Spring Street along Omaha Drive

EEI collected 24-hour traffic counts via on-road tube collectors for the intersection of Clearwater Drive and Omaha Drive on Wednesday, January 13, 2021. We also collected seven-day speed data from Wednesday, January 13, 2021 to Tuesday, January 19, 2021 via bi-directional traffic collector radar detection along Omaha Drive between Clearwater Drive and Spring Street.

The governing entity on traffic control signage is the Manual on Uniform Traffic Control Devices (MUTCD). The manual states as follows in regard to stop sign installation:

*Guidance:*

*Engineering judgment should be used to establish intersection control. The following factors should be considered:*

- A. Vehicular, bicycle, and pedestrian traffic volumes on all approaches;*
- B. Number and angle of approaches;*
- C. Approach speeds;*
- D. Sight distance available on each approach; and*
- E. Reported crash experience.*

*YIELD or STOP signs should be used at an intersection if one or more of the following conditions exist:*

- A. An intersection of a less important road with a main road where application of the normal right-of-way rule would not be expected to provide reasonable compliance with the law;*
- B. A street entering a designated through highway or street; and/or*
- C. An unsignalized intersection in a signalized area.*

*In addition, the use of YIELD or STOP signs should be considered at the intersection of two minor streets or local roads where the intersection has more than three approaches and where one or more of the following conditions exist:*

- A. The combined vehicular, bicycle, and pedestrian volume entering the intersection from all approaches averages more than 2,000 units per day;*
- B. The ability to see conflicting traffic on an approach is not sufficient to allow a road user to stop or yield in compliance with the normal right-of-way rule if such stopping or yielding is necessary; and/or*

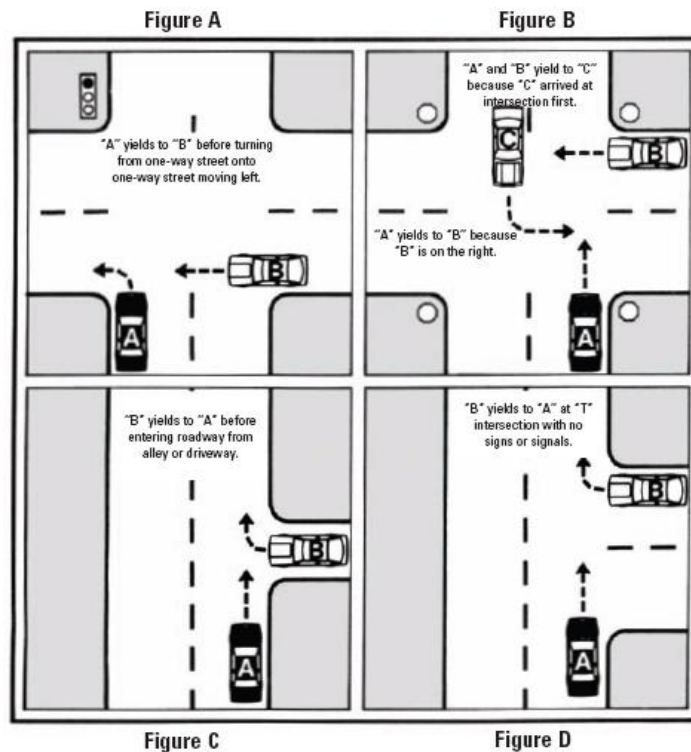


*C. Crash records indicate that five or more crashes that involve the failure to yield the right-of-way at the intersection under the normal right-of-way rule have been reported within a 3-year period, or that three or more such crashes have been reported within a 2-year period.*

*Yield or Stop signs should not be used for speed control.*

At unsigned intersections, the application of the normal right-of-way rules would apply.

Figure D taken from the Illinois Drivers Manual shows that the minor roadway should yield to traffic on the major roadway at uncontrolled intersections.



Our findings were as follows:

- **Clearwater Drive and Omaha Drive**
  - The traffic volume appears to be below 2,000 units per day.
  - There are no sight distance constraints.
  - The accident history is below the threshold warranting stop signs.
  - This intersection does not appear to be a good candidate for a stop sign based on the above criteria.
- **Midway between Clearwater Drive and Spring Street along Omaha Drive**
  - The accident history is below the threshold warranting stop signs.
  - There are no sight distance constraints.
  - Posted speed: not posted (assumed 30 MPH)
  - Average speed: 26.8 MPH
  - 85<sup>th</sup> percentile speed: 31 MPH
  - Stop signs are not meant to control vehicular speed.
  - This segment of roadway does not appear to be a good candidate for a stop sign based on the above criteria.

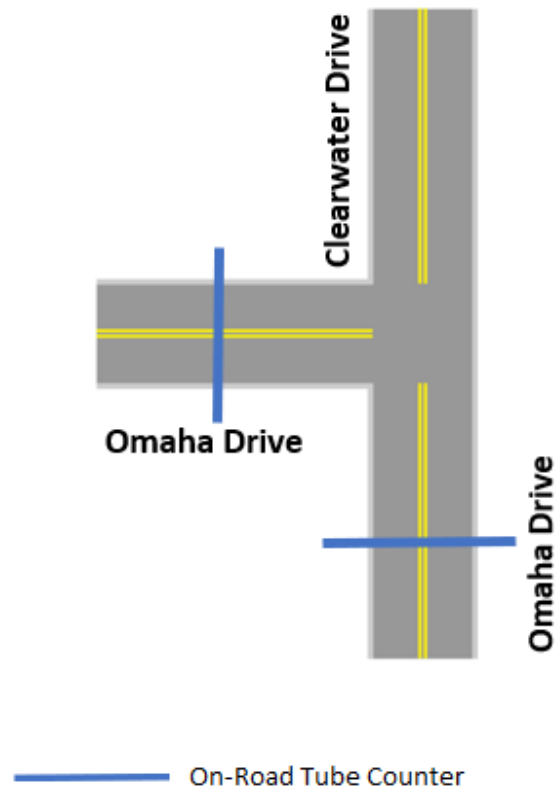


- **EEI recommends installing a posted speed limit for both the northbound and southbound directions along Omaha Drive.**

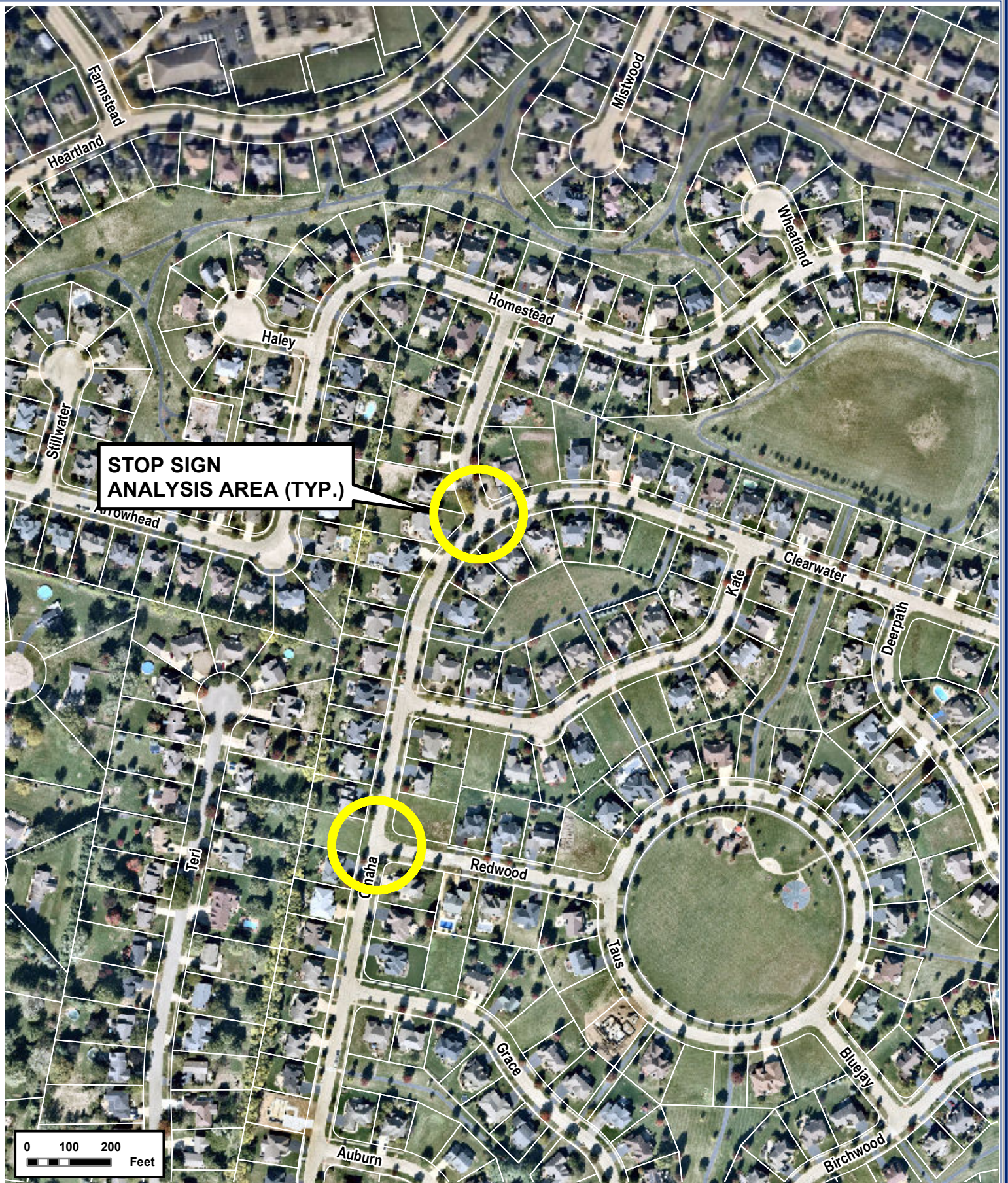
#### **Crash History Reports (provided by the City)**

100990	CLEARWATER DR / OMAHA DR	5/7/2010 15:55	PROPERTY DAMAGE
200391	CLEARWATER DR / OMAHA DR	3/7/2020 0:28	PROPERTY DAMAGE
140932	DEERPATH DR / CLEARWATER DR	7/5/2014 16:54	PROPERTY DAMAGE

#### **Traffic On-Road Tube Collector Locations**







## Engineering Enterprises

52 Wheeler Road  
Sugar Grove, Illinois 60554  
(630) 466-6700  
[www.eeiweb.com](http://www.eeiweb.com)

DATE:	FEBRUARY 2021
PROJECT NO.:	YO1107-C
BY:	MJT
PATH:	H:\GIS\PUBLIC\YORKVILLE\2011\
FILE:	YO1107-Location of Analysis North.mxd

## HEARTLAND CIRCLE STOP SIGN ANALYSIS





**UNITED CITY OF YORKVILLE  
TWO WAY YIELD OR STOP  
PRELIMINARY ENGINEERING EVALUATION**

Location:

CLEARWATER DRIVE AND OMAHA DRIVE

**Evaluation Criteria**

**Guidance:** Engineering judgement should be used to establish intersection control. The following factors should be considered:

- A. Vehicular, bicycle, and pedestrian traffic volumes on all approaches;
- B. Number and angle of approaches;
- C. Approach speeds;
- D. Sight distance available on each approach; and
- E. Reported crash experience.

**Criteria Met**

**Criteria\*\***

	<b>Additional Study Required</b>	<b>No</b>
<b>Yes</b>		

**I. YIELD or STOP signs should be used at an intersection if one or more of the following conditions exist:**

- |                          |                          |                                     |   |
|--------------------------|--------------------------|-------------------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | A. An intersection of a less important road with a main road where application of the normal right-of-way rule would not be expected to provide reasonable compliance with the law. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | B. A street entering a designated through highway or street; and/or   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | C. An unsignalized intersection in a signalized area.   |

**II. In addition, the use of YIELD or STOP signs should be considered at the intersection of two minor streets or local roads where the intersection has more than three approaches and where one or more of the following conditions exist:**

- |                          |                          |                                     |  |
|--------------------------|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | A. The combined vehicular, bicycle, and pedestrian volume entering the intersection from all approaches averages more than 2,000 units per day; <b>(1314 veh/day)</b>  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | B. The ability to see conflicting traffic on an approach is not sufficient to allow a road user to stop or yield in compliance with the normal right-of-way rule if such stopping or yielding is necessary; and/or   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | C. Crash records indicate that five or more crashes that involve the failure to yield the right-of-way at the intersection under the normal right-of-way rule have been reported within a 3-year period, or that three or more such crashes have been reported within a 2-year period. |

Based on a preliminary review of the criteria for a YIELD or STOP sign the following action is recommended:

- A. ☐ Criteria are clearly met recommending installation of a YIELD or STOP sign (Circle designated sign type)  
Designate Location: \_\_\_\_\_
- B. ☒ Criteria are not clearly met at this time - no further action recommended
- C. ☐ Criteria may or may not be met - additional engineering study required

By: \_\_\_\_\_

Date: 2 - 1 - 21

SR PROJECT ENGINEER II

Title

By: \_\_\_\_\_

Date: \_\_\_\_\_

CHIEF OPERATING OFFICER / PRESIDENT

Title





*Engineering Enterprises, Inc.*

CLEARWATER DRIVE AND OMAHA DRIVE



CLEARWATER DRIVE FACING  
SOUTHWEST



OMAHA DRIVE FACING NORTHEAST





*Engineering Enterprises, Inc.*

CLEARWATER DRIVE AND OMAHA DRIVE



OMAHA DRIVE FACING SOUTH





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 type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #11

Tracking Number

PW 2021-18

### Agenda Item Summary Memo

**Title:** EEI Hourly Rate Request

**Meeting and Date:** Public Works Committee – March 16, 2021

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

### 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: March 11, 2021  
Subject: EEI rate request

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## **Summary**

Consideration of a request from EEI to increase standard hourly rates for employees under the City's base contract and any supplemental contracts.

## **Background**

This item was last discussed by the City Council in Spring 2019, when the City Council approved EEI's hourly rate request. Since then, EEI initially proposed an hourly rate increase in 2020 and then withdrew that request at the beginning of the pandemic. The attached documents show the 2021 rate requests, the withdrawn 2020 rate requests, and the comparison between the 2021 rates and the 2019 rates. In general, EEI is requesting inflationary type increases for each category.

These hourly rates are used as the unit price for supplemental engineering contracts like the three on the Public Works Committee agenda for consideration, but are also used in the City's base contract. Because the City has not modified the amount of the base level contract in a number of years, the City will receive marginally fewer hours in 2021.

## **Recommendation**

Staff recommends approval of the 2021 EEI rate request.





*Engineering Enterprises, Inc.*

January 25, 2021

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

**Re: *Proposed Changes in Hourly Rates and Expenses***

Dear Mr. Olson:

This letter is to submit our request for changes in rates of compensation effective as soon as practical per our agreement.

The requested changes are in the hourly rates for various classifications of employees in accordance with our enclosed Standard Schedule of Charges (SSC) dated January 1, 2021. Also enclosed is our current summary of Personnel, Positions and Classifications to cross reference with the hourly rates for the individuals to whom they apply.

We believe that we have excellent personnel whom we have been able to retain through our continued investment in salary, benefits, education, equipment and facilities. We also believe that they provide an exceptional value to our clients.

We hope that you will honor our request so that we can continue to provide the high level of service that you expect and deserve. We are available to answer any questions or receive any comments that you may have.

Respectfully yours,

ENGINEERING ENTERPRISES, INC.

Bradley P. Sanderson, P.E.  
Chief Operating Officer / President

BPS/ars  
Enclosures

pc: Ms. Erin Willrett, Assistant City Administrator  
DMT, EEI

\\Milkyway\\EEI\_Storage\\Docs\\Public\\Yorkville\\2021\\YO2100-C Yorkville - General\\Docs\\lcofyo - rate change for 2021.docx





## Standard Schedule of Charges

January 1, 2021

EMPLOYEE DESIGNATION	CLASSIFICATION	HOURLY RATE
Senior Principal	E-4	\$217.00
Principal	E-3	\$212.00
Senior Project Manager	E-2	\$206.00
Project Manager	E-1	\$185.00
Senior Project Engineer/Planner/Surveyor II	P-6	\$174.00
Senior Project Engineer/Planner/Surveyor I	P-5	\$162.00
Project Engineer/Planner/Surveyor	P-4	\$147.00
Senior Engineer/Planner/Surveyor	P-3	\$135.00
Engineer/Planner/Surveyor	P-2	\$123.00
Associate Engineer/Planner/Surveyor	P-1	\$110.00
Senior Project Technician II	T-6	\$158.00
Senior Project Technician I	T-5	\$147.00
Project Technician	T-4	\$135.00
Senior Technician	T-3	\$123.00
Technician	T-2	\$110.00
Associate Technician	T-1	\$ 97.00
GIS Technician	G-1	\$100.00
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		\$ 200.00
Expert Testimony		\$ 250.00





## Personnel, Positions, and Classifications

<b>Peter G. Wallers, P.E., CFM</b> <i>Chairman</i>	E-4	<b>Kyle D. Welte, P.E., CPPI</b> <i>Senior Project Engineer II</i>	P-6	<b>David S. Stewart</b> <i>Senior Project Technician II</i>	T-6
<b>Jeffrey W. Freeman, P.E., CFM, LEED AP</b> <i>Chief Executive Officer</i>	E-4	<b>Christopher J. Ott, P.E., CPPI</b> <i>Senior Project Engineer II</i>	P-6	<b>Kristopher K. Pung</b> <i>CAD Manager</i>	T-6
<b>Bradley P. Sanderson, P.E.</b> <i>Chief Operating Officer / President</i>	E-4	<b>Douglas H. Keppy, P.E.</b> <i>Senior Project Engineer II</i>	P-6	<b>Joshua M. Boatman</b> <i>Senior Project Technician II (Field)</i>	T-6
<b>Denise M. Migliorini</b> <i>Chief Financial Officer / Vice President</i>	E-4	<b>Christopher R. Walton, P.E.</b> <i>Senior Project Engineer II</i>	P-6	<b>James P. Schmidt</b> <i>Senior Project Technician I (CAD)</i>	T-5
<b>Stephen T. Dennison, P.E.</b> <i>Senior Project Manager / Principal</i>	E-3	<b>Kristen M. Meehan, P.E.</b> <i>Senior Project Engineer II</i>	P-6	<b>Richard B. Rodgers</b> <i>Senior Project Technician I (Field)</i>	T-5
<b>Julie A. Morrison, P.E.</b> <i>Senior Project Manager / Principal</i>	E-3	<b>Ryan M. Sikes, P.E., PTOE</b> <i>Senior Project Engineer II</i>	P-6	<b>Joseph P. Scheller</b> <i>Senior Technician (Field)</i>	T-3
<b>Michele L. Piotrowski, P.E., LEED AP</b> <i>Senior Project Manager / Principal</i>	E-3	<b>Colleen C. Jaltuch, P.E., LEED AP BD&amp;C</b> <i>Senior Project Engineer II</i>	P-6	<b>Matthew J. Taylor</b> <i>CAD/GIS Technician</i>	T-2
<b>John T. Whitehouse, P.E., P.L.S.</b> <i>Senior Project Manager</i>	E-2	<b>Michael W. Schweisthal, P.E.</b> <i>Senior Project Engineer I</i>	P-5	<b>Angela R. Smith</b> <i>Executive Assistant/Marketing Coordinator</i>	A-3
<b>Timothy N. Paulson, P.E., CFM</b> <i>Senior Project Manager</i>	E-2	<b>Nadia L. Schweisthal, P.E., CPPI</b> <i>Senior Project Engineer I</i>	P-5	<b>Deborah R. Anderson</b> <i>Administrative Assistant</i>	A-3
<b>Mark G. Scheller, P.L.S.</b> <i>Senior Project Manager</i>	E-2	<b>Brandon C. Stahl, E.I.</b> <i>Project Engineer</i>	P-4	<b>Denise M. Thelander</b> <i>Accounting Assistant</i>	A-3
<b>Joseph W. Cwynar, P.E.</b> <i>Senior Project Manager</i>	E-2	<b>Jake H. Seger, CFM, E.I.</b> <i>Project Engineer</i>	P-4	<b>Angela D. McCoy</b> <i>Accounting Assistant</i>	A-3
<b>Timothy G. Holdeman</b> <i>Director of Business Development</i>	E-2	<b>Ali Ghassemi, Ph.D., E.I.</b> <i>Project Engineer</i>	P-4	<b>Mollie B. Jeter</b> <i>Accounting/Administrative Assistant</i>	A-3
<b>Keith E. Powell, P.E.</b> <i>Project Manager</i>	E-1	<b>Kamelia Afshinnia, Ph.D., E.I.</b> <i>Project Engineer</i>	P-4		
<b>Christopher E. Peterson, P.L.S.</b> <i>Project Manager</i>	E-1	<b>Brandon B. Kramer</b> <i>Project Engineer</i>	P-4		
<b>Curtis P. Dettmann, P.E.</b> <i>Project Manager</i>	E-1	<b>Jennifer A. Marten</b> <i>Project Engineer</i>	P-4		
<b>Christopher F. Buckley, P.E., BCEE</b> <i>Project Manager</i>	E-1	<b>Zachary C. Gutierrez, E.I.</b> <i>Project Engineer</i>	P-4		
<b>Todd A. Wells, P.E., CPPI</b> <i>Senior Project Engineer II</i>	P-6	<b>Natasha P. Woodlock</b> <i>Project Engineer</i>	P-4		

### Legend:

P.E. = Professional Engineer  
E.I. = Engineer Intern  
CPPI = Certified Public Infrastructure Inspector  
E = Executive  
T = Technical  
A = Administrative

P.L.S. = Professional Land Surveyor  
CFM = Certified Floodplain Manager  
LEED AP = Leadership in Energy and Environmental Design Accredited Professional  
P = Professional  
I = Intern  
G = GIS

01/11/21



# ENGINEERING ENTERPRISES, INC.

## STANDARD SCHEDULE(S) OF CHARGES

<u>Classification / Designation</u>	<u>(Foregone)</u>			<u>(Proposed)</u>	
	<u>2019 Rates</u>	<u>2020 Rates</u>	<u>% change 2019-2020</u>	<u>2021 Rates</u>	<u>% Change 2019-2021</u>
E-4	208.00	214.00	2.9%	217.00	4.3%
E-3	203.00	209.00	3.0%	212.00	4.4%
E-2	197.00	203.00	3.0%	206.00	4.6%
E-1	178.00	183.00	2.8%	185.00	3.9%
P-6	165.00	172.00	4.2%	174.00	5.5%
P-5	153.00	160.00	4.6%	162.00	5.9%
P-4	141.00	145.00	2.8%	147.00	4.3%
P-3	129.00	133.00	3.1%	135.00	4.7%
P-2	117.00	121.00	3.4%	123.00	5.1%
P-1	106.00	109.00	2.8%	110.00	3.8%
T-6	153.00	158.00	3.3%	158.00	3.3%
T-5	141.00	145.00	2.8%	147.00	4.3%
T-4	129.00	133.00	3.1%	135.00	4.7%
T-3	117.00	121.00	3.4%	123.00	5.1%
T-2	106.00	109.00	2.8%	110.00	3.8%
T-1	93.00	96.00	3.2%	97.00	4.3%
G-1	75.00	90.00	20.0%	100.00	33.3%
I-1	84.00	79.00	-6.0%	79.00	-6.0%
A-3	70.00	70.00	0.0%	70.00	0.0%
1 Man Field Crew with Standard Survey Equipment	168.00			NA	
2 Man Field Crew with Standard Survey Equipment	262.00			NA	
1 Man Field Crew with RTS or GPS *	208.00			NA	
2 Man Field Crew with RTS or GPS *	302.00			NA	
Vehicle for Construction Observation	15.00			15.00	
In-House Scanning and Reproduction	\$0.25/Sq. Ft. (Black & White)			\$0.25/Sq. Ft. (Black & White)	
	\$1.00/Sq. Ft. (Color)			\$1.00/Sq. Ft. (Color)	
Reimbursable Expenses (Direct Costs)	Cost			Cost	
Services by Others (Direct Costs)	Cost + 10%			Cost + 10%	
Unmanned Aircraft System / Unmanned Aerial Vehicle / Drone	200.00 ^			200.00	
Expert Testimony	225.00 ^			250.00	

\*RTS = Robotic Total Station / GPS = Global Positioning System

NA = Not applicable

^ = Rates were in place, but not included on 2019 SSC





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 type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #12

Tracking Number

PW 2021-19

### Agenda Item Summary Memo

**Title:** Professional Services IGA with Oswego and Montgomery and Water Study Contribution

**Meeting and Date:** Public Works Committee – March 16, 2021

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

### 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:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_





# Memorandum

To: City Council  
From: Bart Olson, City Administrator  
CC:  
Date: March 11, 2021  
Subject: Oswego water study contributions

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## **Summary**

Consideration of an intergovernmental agreement setting up a process to jointly select and pay consultants for regional projects, a financial contribution to Oswego's water regional water study, and use of an attorney with specialization in water supply agreements.

## **Background**

This item was briefly mentioned by staff during the FY 22 budget presentation, and the financial contributions to Oswego discussed herein are included in the FY 22 budget proposal.

During the past two years, Oswego's Village Board discussed and ultimately hired Baxter and Woodman Engineering to assist with their water supply decision making. Oswego had a number of Oswego-specific water infrastructure components to study as part of the regional water source discussion, but they also wanted a firm to represent them during the ongoing regional water supply discussions – similar to how Yorkville and Montgomery use EEI. Oswego's contract with Baxter and Woodman was approved in August 2020, for an amount around \$250,000.

During the scope discussions for the Baxter and Woodman study, it became apparent to the staff in each community that the items in the Oswego study would be of benefit to both Yorkville and Montgomery. Rather than discuss direct financial contributions at that time, the staff tabled the discussions to better understand the components of the study. The result of those discussions is shown in the attached spreadsheet. The gross costs column of the spreadsheet shows the gross cost of the line-item that is directly useful to the entire region; those gross costs are then generally parceled out at the bottom of the sheet on an equal split – except for the draft report and final report costs. For those two line-items, Oswego is paying a larger share of the split because some of the overall report is relevant to Oswego only. In summary, we recommend a contribution to Oswego in the amount of \$58,650.93.

In order to make that contribution to Oswego, Attorney Orr is recommending we approve the attached intergovernmental agreement between Oswego, Yorkville, and Montgomery. This intergovernmental agreement is general in nature, and will give us an overarching process to share costs of professional services studies in the future. The concept is that each board can hear about proposals in the future and approve the contributions with a simple vote without having to draft a study-specific intergovernmental agreement every time.

Finally, Oswego has appointed Irene Caminer as an attorney with specialization in water supply agreements. Oswego's board memo and materials are attached for your reference. Attorney Orr has reviewed Attorney Caminer's background and would recommend her. Oswego has spent around \$12,000 in attorney's fees on work that will benefit Montgomery and Yorkville. We recommend



authorization to use Attorney Caminer for water study items and a contribution to Oswego of around \$4,000 for work already completed.

**Recommendation**

Staff recommends approval of the intergovernmental agreement, the contribution to Oswego in the amount of \$58,650.93 for the Baxter and Woodman water study, authorization to use Attorney Caminer as special counsel, and contribution to Oswego in an estimated amount of \$4,000 for legal work already performed.



	Gross Value To Share	Notes
EVALUATE JOLIET WATER SOURCE OPTION		
Route Options	13,280.00	
Design Stage JULIE	1,320.00	Design stage JULIE and easement reviews for the Joliet and DuPage option were performed for all of the transmission mains for all three communities and all three options were evaluated with the same methodology.
Easement Review	880.00	
Receiving Stations/Pumping Stations	6,440.00	The receiving stations/pumping stations analysis is for the total system including those in Yorkville and Montgomery based upon our previous studies and is not limited to Oswego only.
Internal System Improvements/Model	-	
Construction Cost Estimates	3,360.00	Construction cost estimates include the transmission mains to Yorkville and Montgomery and exclude any costs for their internal system upgrades.
Operational Cost Estimates	2,960.00	
Financing Alternatives	560.00	
Continuity	1,480.00	
Timelines	1,040.00	
Impact on residential bills	5,000.00	
Meetings with Joliet (estimate 2 live)	6,524.20	
Route Options Meeting	2,902.10	
Summary Memo	3,550.00	
Subtotal for Cost Sharing	49,296.30	
1/3 Share	16,432.10	

REVIEW AND UPDATE FOX RIVER AND DWC REPORTS		
Report review	13,360.00	
Model Scenarios	5,200.00	
Design Stage JULIE	880.00	Design stage JULIE and easement reviews for the Joliet and DuPage option were performed for all of the transmission mains for all three communities and all three options were evaluated with the same methodology.
Easement Review	880.00	
Receiving Stations/Pumping Stations	1,480.00	This is for the joint line routes from DuPage to Ogden Falls Tower, and then along transmission route.
Internal System Improvements/Model	-	
Construction Cost Estimates	3,000.00	Construction cost estimates include the transmission mains to Yorkville and Montgomery and exclude any costs for their internal system upgrades.
Operational Cost Estimates	840.00	
Financing Alternatives	560.00	
Continuity	1,480.00	
Timelines	1,040.00	
Water Quality	1,800.00	
Impact on residential bills	5,000.00	
Meetings with the Village (1 live, 1 Virtual)	3,964.20	B&W met with Joliet and DWC to confirm the proposed route , connection locations, and contract requirements with each supplier. They do not anticipate any additional meetings at this time.
Summary Memo	7,550.00	
Subtotal for Cost Sharing	47,034.20	
1/3 Share	15,678.07	

SUPPLY TO MONTGOMERY AND YORKVILLE		
Route Options	1,880.00	
Design Stage JULIE	880.00	
Easement Review	880.00	
Receiving Stations/Pumping Stations	1,400.00	
Construction Cost Estimates	3,000.00	
Timelines	1,040.00	
Meeting with the Village (virtual)	520.00	
Summary Memo	2,230.00	
Subtotal for Cost Sharing	11,830.00	
1/3 Share	3,943.33	



DECISION MATRIX		
Develop Decision Matrix	9,920.00	
Workshop (estimate 2 live)	5,804.20	
Finalize with Village Input	3,680.00	
Subtotal for Cost Sharing	19,404.20	
1/3 Share	6,468.07	
REPORT		
Draft Report	15,696.00	
Final Report	9,072.00	
Subtotal for Cost Sharing	13,760.00	
1/3 Share	4,586.67	
DEVELOP COMMUNITY ENGAGEMENT STRATEGY (Images Inc)		<div> <div>Images Inc.</div> <div> Develop Community Engagement Strategy – <i>Service to be provided by Images, Inc. on an hourly rate basis as directed by the Village. Specific tasks and associated hours to be determined during the project; Anticipated scope includes working in partnership with Village staff, including the Community Engagement Coordinator, on these example tasks:</i> <ul style="list-style-type: none"> <li>i. Develop an awareness campaign informing stakeholders of the problem and need for a decision</li> <li>ii. Create a project logo/brand to be used for all water related materials</li> <li>iii. Conduct one (1) public meeting to inform the community of the options</li> <li>iv. Develop a comment management system. Gather, digest, and summarize community input for the decision makers</li> <li>v. Augment existing Village stakeholder list</li> <li>vi. Provide guidance on a conservation program that has specific and measurable targets for reduction in per capita water consumption</li> <li>vii. Prepare a website wireframe and content for easy access to all Village water information</li> </ul> </div> </div>
Public Meeting (estimate 1)	4,542.10	
Images Inc.	30,086.00	
Subtotal for Cost Sharing	34,628.10	
1/3 Share	11,542.70	
Total for Cost Sharing	175,952.80	
1/3 Share	58,650.93	



**VILLAGE OF OSWEGO  
ALTERNATIVE WATER SOURCE PROJECT**

**I. SCOPE OF WORK**

1. Evaluate Joliet Water Source Option
  - a. Determine feasibility of connecting Oswego's system to Joliet
    - i. Perform a hydraulic study
    - ii. Determine potential route and connection point
    - iii. Identify any required internal system improvements
    - iv. Identify potential opportunities for this connection based upon future needs of the Village
    - v. Identify potential barriers or concerns with this connection
  - b. Participate in the Joliet planning process
  - c. Develop cost estimate for this option including
    - i. Connection/Buy-in fees
    - ii. Transmission main
    - iii. Pumping, receiving and/or booster stations
    - iv. Storage requirements
    - v. Village internal system upgrades
    - vi. Long term operational costs
    - vii. Other
2. Review and modify existing water model as required
  - a. Update demands based on actual billing data per address
  - b. Recalibrate model by comparing model flows to field collected hydrant flows - check C-factors
  - c. Update model with water main construction projects since development of model
  - d. Confirm that the controls in the model accurately reflect actual control settings
  - e. Work with Illinois State Water Survey to further develop the ground water model and present findings to the Village Board
3. Review, update and modify previous Fox River and DuPage reports to equalize data between options
4. Perform water loss audit to verify we meet LMO-2 standards. If not
  - a. Identify what modifications are required
  - b. Develop timeline for modifications
  - c. Develop cost estimate
5. Evaluate feasibility of extending line to Montgomery and Yorkville



6. Develop a decision matrix comparing and contrasting the Fox River, DuPage Water Commission, and Joliet options and develop a report with the following considerations
  - a. Cost
    - i. The budget shall include
      1. capital, operating, and financing costs for all three options, as well as the backup alternative
    - ii. Present the budget as a total cost and as an incremental estimated increase above a base average water bill
  - b. Financing
    - i. Identify and evaluate financing options for each alternative
  - c. Continuity
    - i. Identify potential disruptions to both quantity and quality of water
    - ii. Evaluate short and long backup alternatives including preservation of the existing well network
      1. Threat to the community
      2. Estimate time to restoration
      3. Cost in the event of disruption
  - d. Water Quality
    1. Compare and contrast water quality from both a customer experience and from impacts to the Village's potable water system
  - e. Timeline
    - i. Develop an overall project timeline based upon the requirements of Joliet
    - ii. Develop an alternate project timeline based upon Village system needs if the Joliet option is not selected- Include considerations of 95<sup>th</sup> St corridor for DuPage option
    - iii. Will additional conservation affect timeline?
7. Study need for a new well and storage
  - a. Evaluate need and timing for a new well and storage
  - b. Develop timeline – would accelerated construction of new source affect need for well?
  - c. Develop cost estimate for budgetary purposes
    - i. consumption
  - d. Prepare outreach information such as handouts, posters, and web pages to promote water conservation
8. Legal and Governance considerations – *Service to be provided by Caminer Law, LLC on an hourly basis as directed by the Village – specific tasks and associated hours to be determined during the project; status as sub-*



*consultant or direct consultant to Oswego to be determined before contract is finalized. Anticipated scope includes:*

- a. Analyze, compare, and contrast the general legal obligations of the village and water providers based upon existing and proposed contracts; advocate for the Village
  - b. Describe the Village's ability to influence providers rates, regulations, and services based upon various governance models
9. Develop Community Engagement Strategy – *Service to be provided by Images, Inc on an hourly rate basis as directed by the Village. Specific tasks and associated hours to be determined during the project; Anticipated scope includes working in partnership with Village staff, including the Community Engagement Coordinator, on these example tasks:*
- a. Develop an awareness campaign informing stakeholders of the problem and need for a decision
  - b. Conduct public meeting(s) to inform the community of the options
  - c. Gather, digest, and summarize community input for decision makers
  - d. Develop a conservation program
    - i. Develop a water conservation program that has specific and measurable targets for reduction in per capita water consumption
  - e. Prepare outreach information such as handouts, posters, and web pages to promote water conservation

## II. DELIVERABLE DATES

### 2020

Kick-off meeting	8/20
Preliminary cost memo	10/19
Staff alternative route discussion	11/9
Public meeting	12/1
Draft Report submitted	12/14

### 2021

Staff comment meeting	1/19
Pre-final Board meeting (COW)	2/2
Study completed	2/8
Board approval	2/16
Joliet line participation deadline	May 2021

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**-INTERGOVERNMENTAL AGREEMENT PROVIDING FOR JOINT WATER SOURCE STUDIES  
AMONG THE VILLAGE OF OSWEGO, KENDALL AND WILL COUNTIES, ILLINOIS, THE UNITED  
CITY OF YORKVILLE, KENDALL COUNTY, ILLINOIS, THE VILLAGE OF MONTGOMERY, KANE  
AND KENDALL COUNTIES, ILLINOIS,  
AND FOR JOINT ENGINEERING WATER STUDY**

**THIS INTERGOVERNMENTAL AGREEMENT** (*the "Agreement"*) by and among the Village of Oswego, Kendall and Will Counties, Illinois (*"Oswego"*) a home rule municipal corporation of the State of Illinois, the United City of Yorkville, Kendall County, Illinois (*"Yorkville"*) a non-home rule municipal corporation of the State of Illinois and the Village of Montgomery, Kane and Kendall Counties, Illinois (*"Montgomery"*), a non-home rule municipal corporation of the State of Illinois, (collectively, the *"Municipalities"*) entered into this \_\_\_\_\_ day of \_\_\_\_\_, 2021.

**WITNESSETH:**

**WHEREAS**, the Constitution of the State of Illinois of 1970, Article VII, Section 10, provides that units of local government may contract or otherwise associate among themselves to obtain or share services and to exercise, combine, or transfer any power or function in any manner not prohibited by law or by ordinance and may use their credit, revenues, and other resources to pay costs related to intergovernmental activities; and,

**WHEREAS**, the Intergovernmental Cooperation Act (5 ILCS 220/1 *et seq.*) provides that any power or powers, privileges, functions or authority exercised or which may be exercised by a public agency may be exercised, combined, transferred and enjoyed jointly with another public agency; and,

**WHEREAS**, Oswego, Yorkville and Montgomery have determined that it is necessary to undertake a study of the long term sufficiency of the regional deep sandstone aquifers providing the groundwater to supply all of the residences and businesses within each of these Municipalities; and,



**WHEREAS**, it has been reported that the long term availability of the aquifers providing the groundwater supply to the Municipalities is in question and it is incumbent upon the Municipalities to study new water sources to serve their users as the population in the region continues to grow and industrial demands increase; and,

**WHEREAS**, the Municipalities have also acknowledged that it is in the best interest of each of them to approach the study of available water sources on a regional basis in order to explore the construction of a regional water supply system to offset the extraordinary investment such an undertaking shall require; and,

**WHEREAS**, the Municipalities agree that, in order to research available new water sources, engineering studies of potential supply routes, water quality, allocations from the Illinois Department of Natural Resources, construction cost estimates, operational cost estimates and unforeseen issues are necessary; and,

**WHEREAS**, the Municipalities further agree that the investigation of a new water supply would also require legal analyses of governance issues pertaining to water usage such as permitting, conservation regulations, property acquisition and purchase contracts; and,

**WHEREAS**, the Municipalities have agreed to jointly hire engineers, lawyers and such other experts as may be required to advise them on all of the matters, foreseen and unforeseen, on the advantages and disadvantages of all potential water supply sources all as hereinafter provided.

**NOW, THEREFORE**, in consideration of the mutual promises, obligations and undertakings hereafter set forth, the Municipalities agree as follows:

*Section 1.* The foregoing preambles are hereby incorporated into this Agreement as if fully restated in this Section 1.



*Section 2.* The Municipalities hereby agree to coordinate with one another to determine the professional services required to undertake and perform all necessary research, investigations and studies, and to jointly select all professional services to be provided, it being understood that the selection shall be in accordance with all applicable ordinances and laws of the State of Illinois and shall be by unanimous consent of the Municipalities.

*Section 3.* Upon selection of a professional service, the Municipalities shall work together to determine the scope of any assignment, the deliverables from such assignment and the estimated cost. It is understood that all contracts or agreements for any professional service with an estimated cost in excess of \$25,000 shall be subject to the approval of the corporate authorities of each of the respective Municipalities prior to the commencement of work.

*Section 4.* The Municipalities agree to review all invoices for services rendered and to distinguish those costs which serves any one Municipality over the other Municipality, which cost shall be paid by the benefitted Municipalities. Payment of all invoices for professional services shall be made within thirty (30) days of review.

*Section 5.* This Agreement and the rights of the Municipalities hereunder may not be assigned, and the terms and conditions of this Agreement shall inure to the benefit of and be binding upon the respective successors and assigns of the Municipalities.

*Section 6.* This Agreement shall be interpreted and enforced under the laws of the State of Illinois. Any legal proceeding related to enforcement of this Agreement shall be brought in the Circuit Court of Kendall County, Illinois. In case any provision of this Agreement shall be declared and/or found invalid, illegal or unenforceable by a court of competent jurisdiction, such provision shall, to the extent possible, be modified by the court in such manner as to be valid, legal and enforceable so as to most nearly retain the intent of the Municipalities, and, if such modification is



not possible, such provision shall be severed from this Agreement, and in either case the validity, legality, and enforceability of the remaining provisions of this Agreement shall not in any way be affected or impaired thereby.

*Section 7.* All notices required or permitted hereunder shall be in writing and may be given by (a) depositing the same in the United States mail, addressed to the party to be notified, postage prepaid and certified with the return receipt requested, (b) delivering the same in person, or (c) telecopying the same with electronic confirmation of receipt.

*If to the Village of Oswego:* Village Administrator  
Village of Oswego  
100 Parkers Mill  
Oswego, Illinois 60543

With a copy to: Karl Ottosen  
Ottosen Britz Kelly Cooper Gilbert & DiNolfo  
1804 North Naper, Suite 350  
Naperville, Illinois 60563

*If to the City of Yorkville:* City Administrator  
United City of Yorkville  
800 Game Farm Road  
Yorkville, Illinois 60560

With a copy to: Kathleen Field Orr  
2024 Hickory Road, Suite 205  
Homewood, Illinois 60430

*If to the Village of Montgomery:* Village Administrator  
Village of Montgomery  
200 North River Street  
Montgomery, Illinois 60538

With a copy to: Laura M. Julien  
Mickey, Wilson, Weiler, Renzi & Andersson  
140 South Municipal Drive  
Sugar Grove, Illinois 60542



Or any such other person, counsel or address as any Municipality hereto shall specify pursuant to this Section from time to time.

*Section 8.* This Agreement may be executed in counterparts, each of which shall be deemed to be an original and both of which shall constitute one and the same Agreement.

*Section 9.* This Agreement represents the entire agreement among the Municipalities pertaining to professional services for determining a new water supply source and there are no other promises or conditions in any other agreement whether oral or written pertaining thereto. Except as stated herein, this Agreement supersedes any other prior written or oral agreements between the Municipalities and may not be further modified except in writing acknowledged all of the Municipalities.

*Section 10.* This Agreement shall be in full force and effect upon approval by resolution adopted by the corporate authorities of their respective Municipalities; provided, however, any Municipality may terminate this Agreement by providing thirty (30) calendar days' advance written notice to the other Municipalities. In the event a Municipality terminates its participation in this joint undertaking, such Municipality shall be responsible for its share of all costs incurred and costs to be incurred due to written contracts or commitments for thirty (30) days after the date of written notice. In such a case, this Agreement shall remain in full force and effect as to and between the remaining Municipalities.

*Section 11.* This Agreement may be amended only with written consent of all Parties hereto.

[SIGNATURE PAGE TO FOLLOW]



**IN WITNESS WHEREOF**, this Agreement, among the Village of Oswego, Kendall and Will Counties, Illinois, the United City of Yorkville, Kendall County, Illinois, the Village of Montgomery, Kane and Kendall Counties, Illinois and for Joint Engineering Water Study have executed this Agreement as dated below by each Mayor:

United City of Yorkville, Kendall County,  
Illinois, a municipal corporation

By: \_\_\_\_\_  
Mayor

*Attest:*

\_\_\_\_\_  
Village Clerk

Village of Oswego, Kendall and Will  
Counties, Illinois, a municipal corporation

By: \_\_\_\_\_  
Mayor

*Attest:*

\_\_\_\_\_  
Village Clerk

Village of Montgomery, Kane and Kendall  
Counties, Illinois, a municipal corporation

By: \_\_\_\_\_  
Mayor

*Attest:*

\_\_\_\_\_  
Village Clerk





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## AGENDA ITEM

**MEETING TYPE:** Committee of the Whole

**MEETING DATE:** August 18, 2020

**SUBJECT:** Alternative Water Source Evaluation

**ACTION REQUESTED:**

Resolution Authorizing the Execution of a Professional Services Contract with Baxter and Woodman of Mokena, IL for an Alternative Water Source Evaluation in an Amount Not-to-Exceed \$280,000

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**BOARD/COMMISSION REVIEW:**

N/A

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**ACTION PREVIOUSLY TAKEN:**

Date of Action	Meeting Type	Action Taken
3/3/2020	Committee of the Whole	Presentation on the Oswego water source and approval of the Village board to seek an engineering firm to evaluate alternative water source options.
8/4/20	Committee of the Whole	Presentation of proposed scope for alternative water source evaluation.

**DEPARTMENT:** Public Works

**SUBMITTED BY:** Susan Quasney, Project Engineer

**FISCAL IMPACT:**

5106070-574000 Utility System Improvements \$405,600 Alternative Water Source Planning

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**BACKGROUND:**

The Village of Oswego's existing water source, the deep groundwater aquifer, will be at severe risk of depletion and no longer able to meet the Village's maximum daily water demand sometime between 2030 and 2050. Groundwater modeling conducted by the Illinois State Water Survey indicates that the groundwater will eventually fall below the level of the existing well system due to the high area demand and the comparatively slow rate of recharge within the aquifer.

The Village previously commissioned three related water studies. These studies evaluated future needs as the Village grows and looked at two different options for a sustainable and reliable water



source, not only for the Village of Oswego, but with the consideration for Yorkville and Montgomery as well. One study focused on the viability of obtaining water from the Fox River, and the other considered a connection to the DuPage Water Commission line that would bring in Lake Michigan water.

Per Board direction in March, an RFQ was released in order to obtain a consultant to evaluate the Joliet option, develop a matrix that would allow comparison of the three options, and help determine the best course of action.

The consultant is being asked to:

1. Evaluate Joliet water source option
2. Develop report comparing and contrasting Fox River, DuPage Water Commission, and Joliet options
3. Study need for a new well and storage
4. Provide community engagement firm, as required and directed by the Village
  - o Engagement related to water source selection
  - o Engagement related to water conservation measures
5. Evaluate feasibility of extending line to Montgomery and Yorkville

The need to provide a response to Joliet in May of 2021 is driving the timeline for the consultant. These are the estimated deliverable dates based on award of the engineering services contract at the August 18<sup>th</sup> Board meeting.

#### 2020

Kick-off meeting	8/20
Preliminary cost memo	10/19
Staff alternative route discussion	11/9
Public meeting	12/1
Draft Report submitted	12/14

#### 2021

Staff comment meeting	1/19
Pre-final Board meeting (COW)	2/2
Study completed	2/8
Board approval	2/16
Joliet line participation deadline	5/21

### **DISCUSSION:**

The RFQ was posted on July 7th and three firms responded. Based on the quality of their proposal and interview, Staff recommends Baxter and Woodman for this project. On August 4<sup>th</sup>, Staff



presented the proposed scope of the project at the Committee of the Whole meeting for Board comment. After receiving direction, Baxter and Woodman was asked to estimate their costs based on an itemized scope of work. It was determined that legal costs and community engagements costs would be handled on an as-needed hourly basis. Legal costs are not included in this professional services agreement, but rather under a separate agenda item. Some community engagement hours are included with the assumption that the outside firm will be providing direction while staff will be performing a significant portion of the labor.

At this time Baxter and Woodman estimate the cost to be \$252,461, but there are a lot of unknowns with this evaluation. The not-to-exceed cost of \$280,000 includes a contingency for some unanticipated work. If it appears this cap will be exceeded as the project progresses, it will again be brought before the Board for consideration.

There are ongoing conversations with Yorkville and Montgomery regarding their level of participation. These towns will be greatly benefitted by inclusion in this project and it is our hope that they may join and contribute to this evaluation.

### **RECOMMENDATION:**

Staff recommends award of a Professional Services Contract with Baxter and Woodman in an amount not-to-exceed \$280,000

### **ATTACHMENTS:**

- Resolution 20 – R - \_\_\_\_ Professional Services Contract with Baxter and Woodman
- Exhibit A - Baxter and Woodman Inc Consulting Services PSA
- Attachment A – Alternative Water Source Proposal
- Attachment B - Oswego Alternate Water Source Engineering Fee Schedule



**RESOLUTION NO. 20 - R - 80**

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**RESOLUTION AUTHORIZING THE EXECUTION OF A PROFESSIONAL SERVICES  
CONTRACT WITH BAXTER AND WOODMAN OF MOKENA, IL FOR AN ALTERNATIVE  
WATER SOURCE EVALUATION IN THE AMOUNT NOT TO EXCEED \$280,000**

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**WHEREAS**, the Village of Oswego ("Village") has a population of more than 25,000 and is therefore a "Home Rule Unit" under the 1970 Illinois Constitution; and

**WHEREAS**, the Illinois Constitution of 1970 provides that a Home Rule Unit may exercise any power and perform any function pertaining to its government and affairs, including but not limited to the power to regulate for the protection of the public health, safety, morals and welfare; to license, to tax; and to incur debt; and

**WHEREAS**, The Village of Oswego's existing water source will be at severe risk of depletion and no longer able to meet the Village's maximum daily water demand sometime between 2030 and 2050; and

**WHEREAS**, The City of Joliet is currently designing a new pipeline that will bring Lake Michigan water to the area by approximately 2030 which could be utilized by the Village of Oswego; and

**WHEREAS**, The Village of Oswego has previously investigated two other options for alternative water sources and a complex comparison of all three options must be performed to allow for an informed decision on a future alternative water source; and

**WHEREAS**, Baxter and Woodman was chosen as the preferred consultant to perform the evaluation based on a Request for Qualifications and interview; and

**WHEREAS**, it is in the best interest of the Village of Oswego to approve the agreement substantially in the form attached hereto marked as "Exhibit A".

**NOW, THEREFORE, BE IT RESOLVED BY THE PRESIDENT AND BOARD OF  
TRUSTEES OF THE VILLAGE OF OSWEGO, KENDALL AND WILL COUNTIES, ILLINOIS,**  
as follows:

**SECTION 1. INCORPORATION OF RECITALS**

That the recitals set forth above are incorporated here by reference.

**SECTION 2. APPROVAL OF CONTRACT**

The Village President and Village Board of Trustees hereby approve the professional services contract with Baxter and Woodman, and the Village President and Village Clerk are authorized and



directed to execute on behalf of the Village of Oswego the contract with Baxter and Woodman in the amount not-to-exceed of \$280,000 for the Alternative Water Source Evaluation, substantially in the form attached as "Exhibit A."

**SECTION 3. REPEALER**

All Resolutions or parts of Resolutions, in conflict with any of the provisions of this Resolution shall be repealed to the extent of the conflict.

**SECTION 4. SEVERABILITY**

This Resolution and every provision thereof shall be considered severable. If any section, paragraph, clause, or provision of this Resolution is declared by a court of law to be invalid or unconstitutional, the invalidity or unconstitutionality thereof shall not affect the validity of any other provisions of this Resolution.

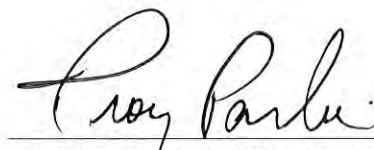
**SECTION 5. EFFECTIVE DATE**

This Resolution shall be in full force and effect from and after its passage and approval in the manner provided by law.

**PASSED** by the Board of Trustees of the Village of Oswego, Kendall and Will Counties, Illinois this 18<sup>th</sup> day of August 2020.

JAMES MARTER	<u>AYE</u>	LUIS PEREZ	<u>AYE</u>
TERRY OLSON	<u>AYE</u>	JUDY SOLLINGER	<u>AYE</u>
PAM PARR	<u>AYE</u>	BRIAN THOMAS	<u>AYE</u>

**APPROVED** by me, Troy Parlier, as President of the Village of Oswego, Kendall and Will Counties, Illinois this 18<sup>th</sup> day of August 2020.



TROY PARLIER, VILLAGE PRESIDENT



Tina Touchette, Village Clerk



STATE OF ILLINOIS     )  
                                      )  
COUNTY OF KENDALL    )     SS

**CLERK'S CERTIFICATE**  
**(RESOLUTION)**

I, Tina Touchette, the duly qualified and acting Village Clerk of the Village of Oswego, Kendall and Will Counties, Illinois, do hereby certify that I am the keeper of its books and records and that the attached hereto is a true and correct copy of a Resolution entitled:

**RESOLUTION AUTHORIZING THE EXECUTION OF A PROFESSIONAL SERVICES  
CONTRACT WITH BAXTER AND WOODMAN OF MOKENA, IL IN THE AMOUNT NOT TO  
EXCEED \$280,000 FOR AN ALTERNATIVE WATER SOURCE EVALUATION**

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which Resolution was duly adopted by said Board of Trustees at a meeting held on the 18<sup>th</sup> day of August 2020, and thereafter approved by the Village President on the 18<sup>th</sup> day of August 2020.

I do further certify, in my official capacity, that a quorum of said Board of Trustees was present at said meeting and that the Board complied with all requirements of the Illinois Open Meetings Act.

IN WITNESS WHEREOF, I have hereunto set my hand this 19<sup>th</sup> day of August 2020.



  
\_\_\_\_\_  
Tina Touchette, Village Clerk  
Village of Oswego





## **PROFESSIONAL SERVICES AGREEMENT**

This Agreement is made this 18<sup>th</sup> day of August 2020, between and shall be binding upon the Village of Oswego, Kendall, and Will Counties, an Illinois Municipal Corporation hereinafter referred to as the “Village” and Baxter & Woodman, Inc. Consulting Engineers, Mokena, Illinois, hereinafter referred to as the “Firm” and its successors.

This relationship is that of professional services, and it is understood that the parties have not entered into any joint venture or partnership with the other. The Firm shall not be considered to be the agent of the Village. The Firm shall render engineering services in accordance with generally accepted and currently recognized engineering practices and principles. The Firm shall strive to conduct services under this Agreement in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions as of the date of this contract. Each party shall designate one person to act with authority on its behalf. The person designated shall review and respond promptly to communications received from the other party.

### **1. SCOPE OF WORK**

Witnessed, that in consideration of the mutual promises of the parties delineated in the Exhibit A (Firm’s Proposal dated July 7, 2020) attached and made part of this Agreement, the Firm agrees to perform the services, and the Village agrees to pay for the following services:

#### **A. Evaluate Joliet Water Source Option**

- i. Determine the feasibility of connecting Oswego’s system to Joliet
  1. Perform a hydraulic study
  2. Evaluate up to three potential supply routes and connection points to evaluate construction methods and potential impact to property owners, utilities and other agencies.
    1. Review existing maps, atlases, and GIS along the possible routes
    2. Visit the possible routes to collect information and obtain first-hand knowledge of the existing field conditions.
    3. Conduct a Design Stage Locate with JULIE to identify utilities that have facilities in the vicinity of the proposed routes.
      - a. Locate and obtain utility atlases
      - b. Prepare a list of affected utilities and key contacts
    4. Investigate existing property ownerships, existing easements, limits of access control and dedicated rights of way along the alternative pipeline routes.
      - a. Identify properties on which temporary and permanent easements may be required for each alternative pipeline route.



- b. Prepare a list of affected properties for each alternative route.
        - 3. Identify receiving station/pumping station/storage requirements
        - 4. Identify required internal system improvements
        - 5. Identify potential for expansion for the proposed connections based upon future needs of the Village
        - 6. Identify potential barriers or concerns with each connection.
    - ii. Participate in the Joliet planning process regarding supply to Oswego
    - iii. Develop preliminary opinion of probable costs including costs for construction of the improvements, design, construction engineering, and construction costs.  
Include the following components:
      - 1. Connection/Buy-in or legal fees
      - 2. Permitting
      - 3. Land acquisition
      - 4. Transmission main
      - 5. Pumping, receiving and/or booster stations
      - 6. Storage
      - 7. Village internal system upgrades
      - 8. Annual operational costs
      - 9. Present the cost estimates as a total cost and as an incremental estimated increase above the Village's base average water bill
    - iv. Identify and evaluate financing options for each alternative
    - v. Identify potential disruptions to both quantity and quality of the Joliet water supply option
    - vi. Evaluate short and long backup alternatives including preservation of the existing well network
      - 1. Threat to the community
      - 2. Estimate time to restoration
      - 3. Cost in the event of a disruption
    - vii. Develop proposed timelines for Joliet water supply alternatives.
    - viii. Prepare a technical memo summarizing the work completed, results of the various investigations and evaluations, and recommendations for the alternative routes. The recommendations will include construction methods, timelines, preliminary opinion of probable costs for each alternative, and exhibits.
- B. Review and update the Village's existing water model as required
  - i. Update model to include water main construction projects using the Village's GIS since the development of the model in 2014.
  - ii. Update demands using actual water billing records per address
  - iii. Conduct 10 -15 hydrant flow tests
  - iv. Recalibrate model using flow test results to update model C-factors
  - v. Update controls in the model to reflect present day operations.
- C. Review previous Fox River and DuPage Water Commission reports to equalize data between the three supply options
  - i. Review and update the proposed routes and connection points from the Fox



River and DuPage Water Commission Reports to include construction methods and potential impact to property owners, utilities and other agencies

1. Conduct a Design Stage Locate with JULIE to identify utilities that have facilities in the vicinity of the proposed routes.
    - a. Locate and obtain utility atlases
    - b. Prepare a list of affected utilities and key contacts
  2. Investigate existing property ownerships, existing easements, limits of access control and dedicated rights of way along the alternative pipeline routes.
    - a. Identify properties on which temporary and permanent easements may be required for each alternative pipeline route.
    - b. Prepare a list of affected properties for each alternative route.
- ii. Use updated water model to review impacts on the Village's system for the Fox River and DuPage Water Commission options.
- iii. Include considerations of 95<sup>th</sup> St Corridor for DuPage Water Commission Option
- iv. Update receiving station/pumping station/storage requirements
- v. Update or develop preliminary opinion of probable costs including costs for construction of the improvements, design, construction engineering, and construction costs. Include the following components:
  1. Connection/Buy-in or legal fees
  2. Permitting
  3. Land acquisition
  4. Transmission main
  5. Pumping, receiving and/or booster stations
  6. Storage
  7. Village internal system upgrades
  8. Annual operational costs
  9. Present the cost estimates as a total cost and as an incremental estimated increase above the Village's base average water bill
- vi. Identify and evaluate financing options for each alternative
- vii. Identify potential disruptions to both quantity and quality of Fox River and DuPage Water commission supply.
- viii. Evaluate short and long backup alternatives including preservation of the existing well network
  1. Threat to the community
  2. Estimate time to restoration
  3. Cost in the event of a disruption
- ix. Update timelines for the Fox River and DuPage Water Commission options
- x. Compare and contrast the three options water quality from both a customer experience and potential impacts to the Village's potable water system. No field testing will be included as part of this study.
- xi. Summarize information that will impact the Decision Matrix
- xii. Prepare a technical memo summarizing the work completed and summarizing the results of the three supply alternatives. The recommendations will include







construction methods, timelines, preliminary opinion of probable costs for each alternative, and exhibits

- D. Perform a water loss audit for 2019 data following LMO-2 standards.
- i. Identify what system modifications are required to meet 10% Non –Revenue water, if necessary.
  - ii. Develop a timeline for modifications
  - iii. Develop cost estimates for recommended system modifications.
- E. Evaluate the feasibility of extending the Joliet supply alternatives to Montgomery and Yorkville:
- i. Review and update the proposed routes and connection points from the Joliet supply route alternatives to Montgomery and Yorkville include construction methods and potential impact to property owners, utilities and other agencies
    1. Conduct a Design Stage Locate with JULIE to identify utilities that have facilities in the vicinity of the proposed routes.
      - a. Locate and obtain utility atlases
      - b. Prepare a list of affected utilities and key contacts
    2. Investigate existing property ownerships, existing easements, limits of access control and dedicated rights of way along the alternative pipeline routes.
      - a. Identify properties on which temporary and permanent easements may be required for each alternative pipeline route.
      - b. Prepare a list of affected properties for each alternative route.
  - ii. Update receiving station/pumping station/storage requirements
  - iii. Update or develop preliminary opinion of probable costs including costs for construction of the improvements, design, construction engineering, and construction costs. Include the following components:
    1. Connection/Buy-in or legal fees
    2. Permitting
    3. Land acquisition
    4. Transmission main
    5. Pumping, receiving and/or booster stations
    6. Storage
    7. Village internal system upgrades
    8. Annual operational costs
    9. Present the cost estimates as a total cost and as an incremental estimated increase above the Village's base average water bill
  - iv. Identify and evaluate financing options for each alternative
    - i. Update timelines for the supply to Montgomery and Yorkville options
    - ii. Summarize information that will impact the Decision Matrix
    - iii. Prepare a technical memo summarizing the work completed and summarizing the results Joliet supply alternatives. The recommendations will include



construction methods, timelines, preliminary opinion of probable costs for each alternative, and exhibits

- F. Study need for a new well and storage and impact on water supply options decisions
  - i. Update existing and future water demand projections for the Village
  - ii. Evaluate need and timing for a new well and storage
  - iii. Review impact of new water source on the need for a new well.–
  - iv. Develop cost estimate for budgetary purposes
  - v. Work with Illinois State Water Survey to review the status of the Survey’s current ground water model and present findings to the Village Board
- G. Develop a decision matrix to compare and contrast the Fox River, DuPage Water Commission, and Joliet options with the following considerations including but not limited to:
  - i. Conduct two (2) Decision Matrix Workshops with Village to review the criteria, weighting and scoring decisions in the Decision Matrix. Potential criteria includes: cost, financing, continuity, water quality, and timelines.
- H. Prepare report summarizing
  - i. Joliet Water Supply Options including costs, timelines, and internal system improvements
  - ii. Updated Fox River and DuPage Water Commission Options including costs, timelines, and internal system improvements
  - iii. LMO-2 results and recommendations
  - iv. Feasibility to extend supply line to Montgomery and Yorkville
  - v. Potential need for new well and storage
  - vi. Results from Decision Matrix
- I. Legal and Governance considerations – *Service to be provided by Caminer Law, L.L.C. on an hourly basis as directed by the Village – specific tasks and associated hours to be determined during the project; status as a sub-consultant or direct consultant to Oswego to be determined before the contract is finalized. Anticipated scope includes:*
  - i. Analyze, compare, and contrast the general legal obligations of the village and water providers based upon existing and proposed contracts; advocate for the Village
  - ii. Describe the Village’s ability to influence providers rates, regulations, and services based upon various governance models
- J. Develop Community Engagement Strategy – *Service to be provided by Images, Inc. on an hourly rate basis as directed by the Village. Specific tasks and associated hours to be determined during the project; Anticipated scope includes working in partnership with Village staff, including the Community Engagement Coordinator, on these example tasks:*
  - i. Develop an awareness campaign informing stakeholders of the problem and need for a decision
  - ii. Create a project logo/brand to be used for all water related materials



- iii. Conduct one (1) public meeting to inform the community of the options
- iv. Develop a comment management system. Gather, digest, and summarize community input for the decision makers
- v. Augment existing Village stakeholder list
- vi. Provide guidance on a conservation program that has specific and measurable targets for reduction in per capita water consumption
- vii. Prepare a website wireframe and content for easy access to all Village water information
- viii. Prepare outreach information such as handouts, posters, social media content, and web content to promote water conservation

## **2. DELIVERABLE DATES**

<u>2020</u>	
Kick-off meeting	8/20
Preliminary cost memo	10/19
Staff alternative route discussion	11/9
Public meeting	12/1
Draft Report submitted	12/14
<u>2021</u>	
Staff comment meeting	1/19
Pre-final Board meeting (COW)	2/2
Study completed	2/8
Board approval	2/16
Joliet line participation deadline	May 2021

## **3. INTENTIONALLY OMITTED**

## **4. SUPERVISION OF WORK OF OTHERS**

The Firm shall not at any time supervise, direct, or have control over any other firm's work, nor shall the Firm have authority over or responsibility for the means, methods, techniques, sequences, or procedures of construction selected or used by any other firm, nor for safety precautions and programs in connection with the other Firm's work, nor for any failure of any other firm to comply with laws and regulations applicable to Firm's work. The Firm neither guarantees the performance of any other firm nor assumes responsibility for any other Firm's failure to furnish and perform its work. The Firm shall have no authority to stop any other firm's work but will advise Village of work that does not meet approved plans and specifications.

## **5. DELIVERY AND REUSE OF DOCUMENTS**

All drawings, specifications, reports, and any other project documents prepared by the Firm in connection with any or all of the services furnished hereunder shall be delivered to the Village for the express use of the Village. The Firm does have the right to retain the copyrights to the original documents but shall cause to be delivered to the Village such quality of documents so as to assure



complete reproducibility of the documents delivered. In particular, the Village may request, at no additional cost, the delivery of additional sets of drawings or documents if the Firm fails to deliver a fully reproducible document.

## **6. SUBLETTING OF CONTRACT**

The Firm may sublet portions of the work. Sub-contractors shall conform, in all respects, to the applicable provisions specified for the Firm and shall further be subject to approval by the Village prior to the performance of any work by the sub-contractor. Rejection of a particular sub-contractor shall not be cause to alter the original Agreement or to request additional compensation. The Firm shall identify all proposed sub-contractors who will furnish services. The work to be done by the sub-contractor shall be outlined in detail to the Village prior to the start of work and identified in the progress reports submitted by the Firm. The qualifications of the proposed sub-contractor shall be submitted to the Village, in the same format and basic requirements as required of the Firm. At all times, the Firm shall maintain no less than fifty-one (51) percent of the dollar value of the Agreement by direct employees of the Firm.

## **7. AGREEMENT AMOUNT AND PRICES**

For the Firm's services described in Exhibit A, the Village agrees to pay, and the Firm agrees to accept as full payment for the services which are the subject matter of this Agreement in accordance with the General Provisions and the "Local Government Prompt Payment Act."

Unless specifically agreed to by the Village, the following expenses will not be allowed: charges for items that are considered a normal cost of doing business or are considered a normal feature in an office, for example, charges for sending or receiving facsimiles or emails; CADD or computer charges; telephone, pager or other telecommunication charges; copies or reproductions for the internal use of the Firm (copies or reproductions for external use, i.e., submittals to the Village or other governing agencies, are allowable as reimbursable expenses.)

## **8. INVOICING AND PAYMENT**

The Firm shall submit invoices in duplicate. Invoices will cover the work performed from the first of each month to the end of that specific month. Only one invoice shall be submitted per month. An invoice must be submitted for work done through April 30 of each year, as this is the end of the Village's fiscal year. Statements shall include a detailed breakdown of all charges incurred. The invoice shall detail personnel name, title, pay rate, hours charged, and task performed. If personnel worked on more than one task during the invoice period, each task shall be identified with the corresponding hours charged. All direct costs shall be itemized consistent with the various categories stated within the Proposal. Invoices shall be based on actual hours of performance.

Invoices shall be accompanied by monthly progress reports. Invoices submitted without a progress report will be considered incomplete and will not be processed for payment. The progress report shall include rates of completion for all tasks scoped, rates of completion for all deliverable products, updated delivery dates, work performed in the current period, work anticipated to be



performed in the next period and information or deliverables that the Firm is waiting for. The following five items shall be clearly addressed in each monthly report:

- A. Work performed in the period covered by the invoice.
- B. Work to be performed in the next period.
- C. Deliverables and due dates, particularly noting items due in the next period (updated schedule).
- D. Items that the Firm is waiting for from the Village or other agencies.
- E. A summary or statement discussing the financial status of the individual project – is the project under, on, or over budget. If over budget, identify the reason and provide an estimated number of hours and cost to complete the project.

The Village agrees to make payments and to pay interest on unpaid balances under the provisions of the Local Government Prompt Payment Act. Sub-contractor costs are not considered direct costs for purposes of calculating the withheld amount. Should overruns for any of the items within the Proposal become evident due to unforeseen circumstances beyond the Firm's control, the Firm shall notify the Village immediately, and no further work shall be done by the Firm until authorization to proceed in writing has been received from the Village.

## **9. CHANGES**

The Village reserves the right to make changes in requirements, amount of work, or time schedule by written amendment. The Firm and the Village shall negotiate appropriate adjustments acceptable to both parties to accommodate any changes.

## **10. SUSPENSION OF SERVICES**

The Village may, at any time, by written order to the Firm require the Firm to stop all, or any part, of the services required by this contract. Upon receipt of such an order, the Firm shall immediately comply with its terms and take all steps to minimize the incurrence of costs allocable to the services covered by the order. The Firm shall be compensated for all services performed and reimbursable expenses incurred prior to the receipt of notice of suspension. Upon resumption of Services, the Village shall compensate the Firm for reasonable expenses incurred as a result of the suspension and resumption of its services, and the Firm's schedule and fees for the remainder of the project shall be equitably adjusted.

## **11. TERMINATION OF CONTRACT**

The Village reserves the right to terminate the whole or any part of any agreement upon ten (10) calendar days written notice to the Firm. The Village further reserves the right to cancel the whole or any part of the Agreement if the Firm fails to perform any of the provisions in the Agreement or fails to make delivery within the time stated. The Firm will not be liable to perform if situations arise by reason of strikes, acts of God or the public enemy, acts of the Village, fires, or floods.

Upon such termination, the Firm shall cause to be delivered to the Village all surveys, reports, permits, agreements, calculations, drawings, specifications, partially and completed estimates and data, as well as products of computer-aided drafting, design, and writing that have been paid for



by the Village. Costs of termination incurred by the Firm before the termination date will be reimbursed by the Village only if prior to the effective termination date, the Village receives from the Firm a list of actions necessary to accomplish termination, and the Village agrees in writing that those actions be taken. Upon receipt of the termination notice, the Firm shall stop all work until the said Agreement is reached.

## 12. INSURANCE

Firm shall procure and maintain for the duration of the Agreement insurance against claims for injuries to persons, damages to property, and/or other applicable damages that may arise in connection with the performance of work and/or services under this Agreement as follows:

A. Minimum Scope of Insurance – The insurance coverage to be procured and maintained by Firms shall be at least as broad as the following:

- i. Commercial General Liability Insurance. Commercial general liability insurance with minimum coverage amounts of \$2,000,000 general aggregate; \$2,000,000 products-completed operations aggregate; and \$1,000,000 each occurrence for bodily injuries, death, and property damage, and personal injury resulting from any one occurrence, including the following endorsements, coverages, and/or conditions:
  1. Shall name the Village as an additional insured in accordance with the obligations and conditions set forth below.
  2. Blanket contractual liability coverage, to the extent permitted under Illinois law at least as broad as C.G. 00 01.
  3. Premises-Operations and Independent Firms.
  4. Broad form property damage coverage.
  5. Personal injury coverage.
  6. Must be endorsed as Primary and Non-Contributory as to any other insurance of the Additional Insureds.
  7. If the Additional Insureds have other insurance that is applicable to the loss, such other insurance shall be on an excess or contingent basis to any Sub-Firm's policy.
- ii. Workers' Compensation and Employers Liability Insurance. Statutory Workers' Compensation coverage is complying with the law of the State of Illinois and Employers' Liability Insurance with minimum limits at \$1,000,000 each accident, including occupational disease coverage with a limit of \$1,000,000 per employee, subject to policy minimum limit of \$1,000,000 per annum.
- iii. Umbrella / Excess Liability Insurance Umbrella / Excess Liability Insurance. Umbrella or excess liability insurance is written over the underlying employer's liability, commercial general liability, and automobile liability insurance described above with minimum coverage amounts of \$2,000,000 per occurrence and \$2,000,000 general aggregate, with coverage at least as broad as the underlying policies.
- iv. Professional Liability Insurance. Firm shall procure and maintain professional liability insurance coverage: Per Claim: \$1,000,000.00. Such professional liability coverage shall be maintained for at least two years after completion of work and/or services under the Agreement. Evidence of such insurance shall be provided upon request from the Village during this Agreement period.



- B. Deductibles and Self-Insured Retentions - Any deductibles or self-insured retentions must be declared to and approved by the Village. The Village can request the Firm reduce or eliminate such deductibles or self-insured retentions as respects the Village, its officials, and its employees. The Firms' Professional Liability Insurance deductible is \$35,000. If the Village requests a reduction or elimination of such deductible, the Firms' will be compensated in full for the mutually agreed upon change. All other insurances stated herein and their associated deductibles shall meet with the same terms: Cyber Liability, Employment Practices Liability, Package/Property/General Liability, and Automobile in accord with that stated in Section 11A. If the Village requests a reduction or elimination of such deductibles, the Firm will be compensated in full for the mutually agreed upon change.
- C. Firm's Obligations - The Firm shall have the following obligations with regard to required insurance under the Agreement:
- i. The insurance policies required under this Agreement shall be endorsed to contain the following provisions: the Village and its officers, officials, and employees are to be named additional insureds under the Firm's Commercial General Liability and Automobile Liability policies for liability arising out of ongoing and completed operations performed by or on behalf of the Firm. General liability coverage shall be provided in the form of an endorsement to Firm's insurance substantially similar to ISO Form C.G. 20 10 11 85, or if not available, through both ISO Form C.G. 20 10, or C.G. 20 26, or C.G. 20 33; and C.G. 2037; 04 13 Edition date. All additional insured coverage shall be for both ongoing and completed operations.
  - ii. The Firm shall provide evidence of the required insurance coverages under this Agreement by providing a copy of applicable endorsement(s) and certificates of insurance evidencing such coverages. All certificates of insurance required to be obtained by the Firm shall provide that coverages under the policies named shall not be canceled without at least thirty (30) days prior written notice given to the Village, with a ten (10) day exception for non-payment of premium. All certificates evidencing coverage extended beyond the date of final payment shall be provided at the time of the final Pay Request.
  - iii. The Firm shall provide immediate notice to the Village upon the cancelation of any insurance policy or policies required hereunder.
  - iv. The Firm's Commercial General Liability and Automobile Liability policies shall be Primary and Non-Contributory Insurance as to all additional insureds with respect to all claims arising out of operations by or on their behalf. If the Village has other applicable insurance coverages, those coverages shall be regarded as excess over the additional insured coverage. Firm shall, with respect to all insurance required under this Agreement, endorse or require each policy to waive any and all rights of subrogation for losses and or damages arising from the work and/or services provided by the Firm against the Village or other Additional Insured except where not permissible by law.
  - v. The Firm shall require that every Sub-Firm of any tier working on the project associated with this Agreement to obtain insurance of the same types and amounts as that required of Firm, naming the same as additional insureds subject to the same restrictions and



obligations as set forth in the Firm's insurance required under the Agreement, including waivers of subrogation in favor of the Village.

- vi. Under no circumstances shall the Village be deemed to have waived any of the insurance requirements of this Agreement by any act or omission, including, but not limited to:
  - 1. Allowing work by the Firm or any Sub-Firm of any tier to start before receipt of the required insurance policy, endorsement, and/or certificates of insurance; or
  - 2. Failure to examine, or to demand the correction of any deficiency of any insurance policy, endorsement, and/or certificate of insurance received.
- vii. The Firm agrees that the obligation to provide insurance is solely the responsibility of the Firm and the Sub-Firm of any tier and cannot be waived by any act or omission of the Village.
- viii. The purchase of insurance by the Firm under this Agreement shall not be deemed to limit the liability of the Firm in any way, for damages suffered by the Village in excess of policy limits or not covered by the policies purchased by the Firm.
- ix. The Firm shall notify the Village, in writing, of any possible or potential claim for personal injury or property damage arising out of the work and/or services of this Agreement promptly whenever the occurrence giving rise to such a potential claim becomes known to the Firm.
- x. All insurance shall be placed with an insurer or insurers authorized to conduct business in the State of Illinois with a current A.M. Best's rating of no less than A, unless otherwise acceptable to the Village.

### **13. INDEMNIFICATION**

With respect to liability arising from other than professional services, to the fullest extent permitted by Illinois law, the Firm shall indemnify, defend, and hold the Village, its officers, and employees harmless from and against all damages, liabilities, and costs including but not limited to reasonable attorneys' fees recoverable under Illinois law, arising out of bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the work itself) caused by the negligent acts or omissions of the Firm, anyone directly or indirectly employed by Firm, or anyone for whose acts Firm is legally liable.

To the fullest extent permitted by Illinois law, with respect to professional services, the Firm agrees to indemnify and hold the Village, its officers, and employees harmless against all liability, damages, and costs, including reasonable attorney fees recoverable under Illinois law, arising from injury or death to persons or damage to tangible property (other than the work itself) to the extent occasioned by the negligent act, errors, or willful misconduct of the Firm in its professional performance under this Agreement.

Such obligations shall not be construed to negate, abridge, or reduce other rights or obligations of indemnity that would otherwise exist as to a party or person described in this Section.



#### **14. FORCE MAJEURE**

Whenever a period of time is provided for in this Agreement for the Firm or the Village to do or perform any act or obligation, neither party shall be liable for any delays or inability to perform if such delay is due to a cause beyond its control and without its fault or negligence including, without limitation: a) Acts of nature; b) Acts or failure to act on the part of any governmental authority other than the Village or Firm, including, but not limited to, enactment of laws, rules, regulations, codes or ordinances subsequent to the date of this Agreement; c) Acts of war; d) Acts of civil or military authority; e) Embargoes; f) Work stoppages, strikes, lockouts, or labor disputes; g) Public disorders, civil violence, or disobedience; h) Riots, blockades, sabotage, insurrection, or rebellion; i) Epidemics or pandemics; j) Terrorist acts; k) Fires or explosions; l) Nuclear accidents; m) Earthquakes, floods, hurricanes, tornadoes, or other similar calamities; n) Major environmental disturbances; or o) Vandalism. If a delay is caused by any of the force majeure circumstances set forth above, the Firm's compensation and schedule shall be equitably adjusted. Further, either party claiming a delay due to an event of force majeure shall give the other party written notice of such event within three (3) business days of its occurrence, or it shall be deemed to be waived.

#### **15. ENVIRONMENTAL AUDITS/SITE ASSESSMENTS**

Environmental Audit/Site Assessment report(s) are prepared for Village's sole use. Village agrees to defend, indemnify, and hold Firm, its consultants, agents, and employees harmless against all damages, claims, expenses, and losses arising out of or resulting from any reuse of the Environmental Audit/Site Assessment report(s) without the written authorization of Firm.

#### **16. OPINIONS OF PROBABLE COST**

The Firm's opinion of probable construction costs represents its judgment as a professional engineer. The Village acknowledges that the Firm has no control over construction costs and cannot warrant or guarantee that actual construction costs will not vary from the Firm's opinion of probable cost. Firm shall not be responsible for any cost variance.

#### **17. MUNICIPAL ADVISOR**

The Firm is not a Municipal Advisor registered with the Security and Exchange Commission (S.E.C.) as defined in the Dodd-Frank Wall Street Reform and Consumer Protection Act. When the Village is a municipal entity as defined by said Act and the Village requires project financing information for the services performed under this AGREEMENT, the Village will provide the Firm with a letter detailing who their independent registered municipal advisor is and that the Village will rely on the advice of such advisor. A sample letter can be provided to the Village upon request.



## **18. COMPLIANCE WITH LAWS**

The Firm shall, at all times, observe and comply with applicable laws, ordinances, and regulations of the Federal, State, and local governments, which may in any manner affect the preparation of proposals or the performance of the contract.

## **19. COMPLIANCE WITH OSHA STANDARDS**

The Firm shall comply with all applicable requirements and standards as specified by the Occupational Safety and Health Act for the duration of the contract.

## **20. PERMITS AND LICENSES**

The Firm shall obtain, at its own expense, all licenses which may be required to complete the contract, and/or are required by municipal, state, and federal regulations and laws. Project related permit fees will be invoiced as a Reimbursable Expense at a 1.10 multiplier.

## **21. TAXES**

The Village is exempt, by law, from paying the following taxes: Federal Excise Tax, Illinois Retailer's Occupation Tax, Use Tax and Municipal Retailers' Occupation Tax on materials and services purchased by the Village. A copy of the Village tax-exempt letter will be provided to the successful Firm when requested.

## **22. VENUE**

The parties hereto agree that for purposes of any lawsuit(s) between them concerning the contract, its enforcement, or the subject matter hereof, venue shall be in Kendall County, Illinois, and the laws of the State of Illinois shall govern the cause of action.

## **23. CONFLICT OF INTEREST**

- A. The Firm agrees to not perform professional services during the term of the Agreement for any project or work that may be subject to the Village's review/inspection, to occur or occurring within the corporate limits of the Village, or in the unincorporated area contiguous to the corporate limits of the Village and the Village's planning area, without notification to the Village prior to rendering services.
- B. The Firm agrees to provide the Village with a written notification whenever the services provided under this Agreement shall require the Firm to review or inspect work performed by any other firm or corporation for whom the Firm is or has within the previous twelve (12) months provided professional services, or with which any of the Firm's owners, partners or principals have a financial interest.
- C. The Firm agrees to provide written notification to the Village whenever the Firm, or any other firm or corporation with which any of the Firm's owners, partners or principals have a financial interest, performs services or work that may be subject to the Village's review/inspection or is



in the unincorporated area contiguous to the corporate limits of the Village and the Village's planning area.

- D. The Village may, at its discretion, disqualify the Firm from participation as a representative of the Village in such projects or projects potentially impacted.

#### **24. AGREEMENT TERM AND RENEWAL**

The Agreement shall be for a one-year period but may be extended on an annual basis at the option of the Village of Oswego in its sole and absolute discretion, for up to two additional years.

#### **25. NOTICES**

Any notice shall be in writing and shall be deemed sufficient when personally served or sent pre-paid first-class United States mail as follows:

To the Village:  
Village Administrator  
Village of Oswego  
100 Parkers Mill  
Oswego, Illinois 60560

To the Firm:  
Carolyn Grieves  
Baxter & Woodman, Inc. Consulting Engineers  
8678 Ridgefield Road  
Crystal Lake, IL 60012

#### **26. CERTIFICATIONS**

Firm Services to the Village, hereby certifies that said Firm:

- A. Certifies that it is not barred from bidding or contracting with the Village as a result of a violation of either Paragraph 33E-3 (Bid rigging) or 33E-4 (Bid rotating) of Act 5, Chapter 720 of the Illinois Compiled Statutes regarding criminal interference with public contracting, and
- B. Swears under oath that it is not delinquent in the payment of any tax administered by the Illinois Department of Revenue as required by Chapter 65, Act 5, paragraph 11-42.1 of the Illinois Compiled Statutes, and
- C. States that it has a written sexual harassment policy as required by the Illinois Human Rights Act (775 ILCS 5/2-105(A) (4) a copy of which shall be provided to the Village upon request, and
- D. Agrees to comply with the requirements of the Illinois Human Rights Act regarding Equal Employment Opportunities as required by Section 2-105 of the Illinois Human Rights Act (775 ILCS 5/2-105) and agrees to comply with the Equal Employment Opportunity Clause in Appendix A, Section 750, Part 750, Chapter X, Subtitle B of Title 44 of the Illinois Administrative Code incorporated herein by reference, and
- E. Agrees to comply with the civil rights standards set forth in Title VII of the Civil Rights Act as mandated in Executive Order No. 11246, U.S.C.A. Section 2000e n.114 (September 24, 1965), and
- F. Agrees to provide a drug-free workplace pursuant to the Drug-Free Workplace Act (30 ILCS 580/1 et seq.) (25 or more employees under a contract of more than \$5,000 or for individuals only when greater than \$5,000).



**27. SCOPE OF THE AGREEMENT**

- A. This Agreement represents the entire and integrated Agreement between the Village and the Firm and supersedes all prior negotiations, representations, or agreements, either written or oral. This Agreement may be amended only by a written instrument signed by both Village and Firm.
- B. This Agreement in whole is comprised of the following documents listed below:
1. Exhibit A - Professional Services Agreement –Engineering Services between the Village of Oswego, IL, and Baxter & Woodman
  2. Attachment - A – Alternative Water Source Proposal Baxter & Woodman Dated July 7, 2020
  3. Attachment - B – Alternate Water Source Engineering Fee Schedule 8-12-2020 Baxter & Woodman

IN WITNESS WHEREOF the parties hereto have executed or caused to be executed by their duly authorized agents, this contract in DUPLICATE, each of which shall be deemed original, on the day and year first written.

VILLAGE OF OSWEGO:

By:

  
\_\_\_\_\_  
President

Firm: BAXTER & WOODMAN, INC.

By:

  
\_\_\_\_\_  
Signature

\_\_\_\_\_  
Vice President

\_\_\_\_\_  
Print Name and Title

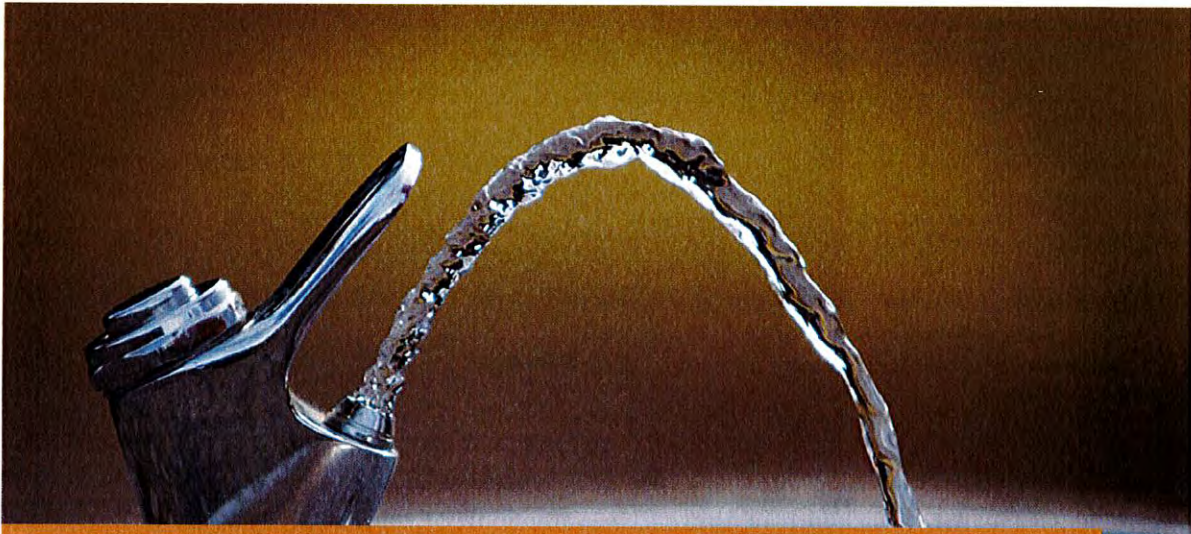
Attest:

  
\_\_\_\_\_  
Village Clerk

Attest:

  
\_\_\_\_\_  
Witness





**Professional Consulting Services for an  
Alternative Water Source Evaluation  
Proposal No. 20-6070-003**

**Village of Oswego**

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Qualifications submitted:  
July 7, 2020





8840 West 192nd Street, Mokena, Illinois 60448 • 708.478.2090 • [baxterwoodman.com](http://baxterwoodman.com)

July 7, 2020

Ms. Carri Parker  
Purchasing Manager  
Village of Oswego  
100 Parkers Mill  
Oswego, Illinois 60543

**Subject: *Village of Oswego - Statement of Qualifications for Professional Consulting Services for an Alternative Water Source Evaluation***

Dear Ms. Parker:

The Village of Oswego is committed to providing a safe and reliable water supply to your customers. Changing the Village's water supply is no easy task, which is why Oswego needs an experienced, comprehensive team to assist with an Alternative Water Source Evaluation. The Baxter & Woodman team has crafted an approach that focuses providing clear and reliable information to help you to select a new water source. Led by Carolyn Grieves, this team collaborates regularly and delivers, time and again, similar and successful services to nearby communities, helping to improve your water system while minimizing cost and disruption. Oswego will benefit from our team's proven approach that focuses on:

- **Fresh Perspective** - Baxter & Woodman offers the Village a unique and fresh perspective to your water source study. We routinely provide value engineering and peer review on various water projects completed by other consultants. By selecting Baxter & Woodman, the Village's project will be reviewed with a new point of view and opportunity to improve quality, reliability, and performance.
- **Experience with Lake Michigan Water Communities** - Baxter & Woodman has assisted numerous communities who receive Lake Michigan water with similar water delivery projects as outlined in our Similar Projects section. We will call upon our experience to develop cost-effective solutions for the Village's Alternative Water Source Evaluation.
- **Multidisciplined Team** - Oswego will be served by the right combination of water, infrastructure, automation, and finance expertise to provide a comprehensive review of your project. Our team has helped five communities with similar water source alternative studies and design. Additionally, our team is supported by Caminer Law to provide legal aid, Images, Inc. to provide public outreach, and Abigail Cantor to provide water chemistry expertise.

If you have any questions regarding our qualifications, please contact Project Manager Carolyn Grieves at (815) 444-3230 or [cgrieves@baxterwoodman.com](mailto:cgrieves@baxterwoodman.com) or Client Manager Sean O'Dell at (815) 444-4438 or [sodell@baxterwoodman.com](mailto:sodell@baxterwoodman.com). ***We are ready to begin!***

Sincerely,

BAXTER & WOODMAN, INC.  
CONSULTING ENGINEERS

John V. Ambrose, PE  
President/CEO

SEO/CAG:sj



Deborah Finn, CPSM  
Chief Marketing Officer/Secretary



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Engineering News Record's Top 500 Design Firms list, published annually in April, ranks the 500 largest U.S.-based design firms, both publicly and privately held, based on design-specific revenue. Baxter & Woodman ranked 326 with revenues just over \$40 million.



## FIRM DESCRIPTION & QUALIFICATIONS

Established in 1946, Baxter & Woodman, Inc. has grown to a full-service firm of 298 professionals who provide planning, design, and construction expertise in water, wastewater, transportation, and stormwater facilities, technology, mapping, surveying, funding, sustainable initiatives, and more.

Offices located in Illinois, Wisconsin, and Florida, and several field offices have been established to respond quickly to requests for meetings or to visit project sites. Staff members routinely work out of various office locations in order to provide the specific services and support our clients require.

Our team offers expert services that stretch well beyond typical engineering consulting. We are committed to **building community value** with each and every project we help you complete.



Finding Funding to  
Get Projects Built!



Innovative Ideas to Connect Clients  
with their Communities!



Count on Us in  
an Emergency!

### RESPONSIVE PROJECT SUPPORT

Services for the Village's project will be provided primarily from these offices, with readily available support from other locations, as needed:

CRYSTAL LAKE (corporate)	NAPERVILLE	MOKENA
8678 Ridgefield Rd. Crystal Lake, IL 60012	1548 Bond St., #103 Naperville, IL 60563	8840 W. 192nd Street Mokena, IL 60448

*Other office locations include:*

ILLINOIS: Chicago, DeKalb, Peoria

WISCONSIN: Burlington, Madison, Milwaukee

FLORIDA: Fort Lauderdale, Key West, West Palm Beach

[www.baxterwoodman.com](http://www.baxterwoodman.com)



PRIMARY CONTACT:

Carolyn Grieves, PE  
8678 Ridgefield Rd.  
Crystal Lake, IL 60012  
815-444-3230

[cgrieves@baxterwoodman.com](mailto:cgrieves@baxterwoodman.com)





## FULL RANGE OF SERVICES

Baxter & Woodman has provided engineering and technology services to communities, counties, and agencies located throughout the Midwest and Florida during our 74 years of business. We offer a diverse range of municipal services from project inception to construction close-out. All necessary engineering services are provided in-house with the exception of geotechnical engineering.

Services we routinely provide include:



Roadways



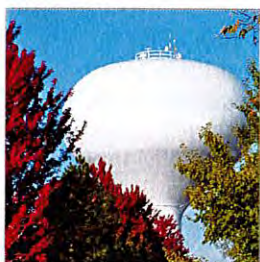
Intersections



Stormwater Management



Construction



Water Systems



Wastewater Systems



Infrastructure



Shared Use Paths



Street Lighting



Bridges/Structural



Public Outreach



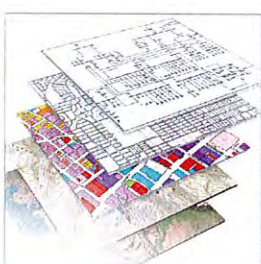
Sustainable Solutions



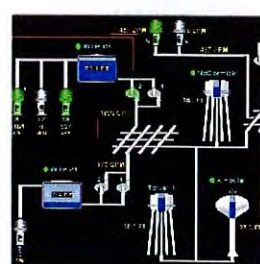
Survey



Funding/Grants



GIS/Asset Management



Automation/Controls





## About Process Research Solutions, LLC

Process Research Solutions, LLC, is a chemical engineering consulting firm specializing in drinking water quality issues.

The company investigates water quality problems in drinking water systems (both municipal water distribution systems and plumbing in buildings) to determine the underlying chemical and microbiological causes upon which remedies can be focused.

But, acting on water quality issues *after* a problem occurs is costly. To help drinking water utilities become more economical, Process Research Solutions also offers the tools for proactive routine water quality monitoring. This monitoring can head off major problems and can lead a water system into measurable water quality control and process improvement.

Process Research Solutions, LLC, was founded by Abigail F. Cantor, P.E., in 1997 after nearly two decades of designing water and wastewater treatment processes in large engineering consulting firms. Ms. Cantor is recognized as a national expert in the field of internal corrosion in water distribution systems. She is also known for user-friendly and efficient computer software designs to aid in data management and information retrieval.

### Education and Credentials

- BS Civil/Environmental Engineering, University of Tennessee-Knoxville, 1978
- MS Chemical Engineering, Columbia University, 1980
- Registered as a Professional Engineer in Wisconsin
- Computer programmer interacting with Microsoft Office software
- Member of the American Water Works Association
- Member of the American Water Works Association Lead and Copper Rule Task Advisory Workgroup
- Vice-chair and Chair of the Research Committee of the American Water Works Association Wisconsin Chapter, 2002 to 2009 and 2011 to 2017
- Instructor of "Water Quality in Distribution Systems and Building Plumbing" at the University of Wisconsin Department of Engineering Professional Development

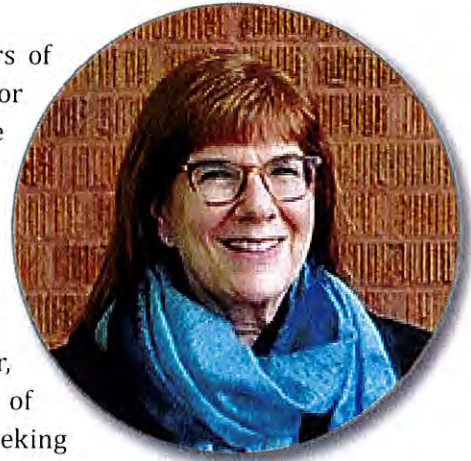
### Awards

- 2015 AWWA Most Notable Contribution to the Science of Public Water Supply Development for JAWWA 106:7:E336-E349
- 2015 AWWA Distribution and Plant Operations Division Best Paper Award for JAWWA 106:7:E336-E349
- 2011 Wisconsin Water Association Research Award
- 2007 Wisconsin Water Association Gimmicks and Gadgets Award for development of the PRS Monitoring Station for monitoring in water distribution systems in order to track the quality of the water that the consumer experiences



**ABOUT IRENE CAMINER**

Irene with Caminer Law brings to this team 20-plus years of municipal water supply experience including responsibility for legal and legislative matters, such as the management of the 47 direct water supply agreements. When issues arose or contracts expired, Irene's approach included a review of the statutory, engineering, and social/political requirements to ensure the provision of reliable, resilient, and safe drinking water. Working with leadership, Irene actively negotiated the terms of the water supply agreements and thereafter, worked with the Mayor's Office and the Mayor's Office of Intergovernmental Affairs in preparing, testifying, and seeking City Council approval to execute the agreements.



Irene prepared presentations for constituents, political leaders, and other stakeholders, so that there was support for the actions being taken. In addition, Irene worked closely with leadership regarding its Lake Michigan Allocation from the Illinois Department of Natural Resources, including developing conservation plans, setting goals for the reduction of unaccounted-for-flow and related issues.

Throughout Irene's career, her approach to matters has been to identify the issues, review the available options, and identify potential solutions (taking into consideration cost and other feasibility measures) and then resolve or implement in a meaningful, useful, and satisfactory manner, while protecting the water system.





**IMAGES, INC.** is an award-winning strategic communications firm that specializes in public involvement, project management, marketing and planning. We are a full-service firm that provides leadership and strategy, as well as implementation. We work in a variety of industries, as well as with both public and private sector clients. We help to bridge the communications gap between our clients and their target audiences by crafting clear and concise messages and delivering them in innovative and effective ways.

Images has successfully provided strategic leadership on some of the largest public works projects in the U.S. Our team is comprised of professionals who provide a well-balanced and diverse skill set, enabling us to work with government agencies, private corporations and members of the public on a variety of projects and initiatives.

Images works with state departments of transportation; local, state and regional transportation authorities; transportation and transit agencies; state and federal highway authorities; metropolitan planning organizations; resource agencies; technical advisory groups; local, state and federal elected officials; municipalities and counties. We have been recognized by the Transportation Research Board, the American Association of State Highway and Transportation Officials and the Publicity Club of Chicago for our creative, innovative and impactful public involvement and strategic communications work.

Our success is attributed to our proactive approach to communications that involves strategic planning, identifying target audiences, and qualitative and quantitative research to develop and implement creative marketing programs that increase awareness and build support.

#### OUR SERVICES INCLUDE:

- Strategic Communications
- Public Involvement
- Transportation and Land-Use Planning
- Construction Services Coordination
- Project Controls Support
- Premier Event Planning
- Facilitation/Charrettes
- Qualitative/Quantitative Research
- Marketing and Branding
- Graphic Design and Video Production
- Translation Services
- Media Outreach and Social Media Campaigns
- Speech Writing and Presentations
- Website Content and Design

  
**IMAGES, INC.**  
 1250 E. Diehl Rd.  
 Suite 101  
 Naperville, IL 60563  
 T: (630) 510-3944  
 F: (630) 510-3947  
[www.imagesinc.net](http://www.imagesinc.net)



## PROJECT UNDERSTANDING

The Village of Oswego has been diligently searching to ensure a sustainable water source for the community. The Village is evaluating three alternate water sources, including the Fox River, DuPage Water Commission, and the City of Joliet. The Village's deep groundwater source is in risk of depletion in the decades to come. Three alternate water studies have been completed, but the City of Joliet Water Supply is a new, feasible alternative worth fully vetting and comparing to existing options.

The purpose of this study is to evaluate the feasibility of the City of Joliet as a supplier of Lake Michigan Water, including water quality, water quantity, pipe routing, and capital improvement planning.

While the engineering analysis of the City is important, this project is more than numbers and calculations. It is vital to help inform the residents of the Village of Oswego about the long-term benefits to receiving Lake water. We know that a supply change is a significant decision for your community. Our team will help provide the engineering, legal, water chemistry, and public education information you will need to help engage and educate your community and stakeholders.

### Unmatched Experience



Baxter & Woodman is the Water Modeler and Master Planning Firm for the City of Joliet. We have helped them and their implementation team develop water system solutions since 2013!

Baxter & Woodman is also the Water System Engineer for the Village of Plainfield and helped them study, plan, design, and construct Lake Michigan Water Improvements back in 2006. Sean O'Dell was the lead design engineer.

Baxter & Woodman brings a unique team to the project that is prepared to help the Village to develop and achieve a new long-term water system vision. The Village will benefit from a well-rounded team with unmatched experience in the Oswego area in water modeling, water supply, water transmission main routing experience, water system operations, controls, and finances expertise. In addition, we have added legal expert Irene Caminer, water chemist Abigail Cantor, and public relations experts Images, Inc. to our team. We are confident that our team can work effectively with the Village to help you make important decisions to ensure a sustainable water supply is available into the future.



## PROJECT APPROACH

Baxter & Woodman has been the Water Systems advisor, advocate, and engineer for many communities in the area, including Plainfield, Joliet, and Shorewood. We intend to use this regional experience in Oswego to achieve your long-term water supply vision. Our Approach has three core missions:

### 1. Meet Your Schedule



### 2. Deliver on Your Scope



### 3. Address Your Challenges



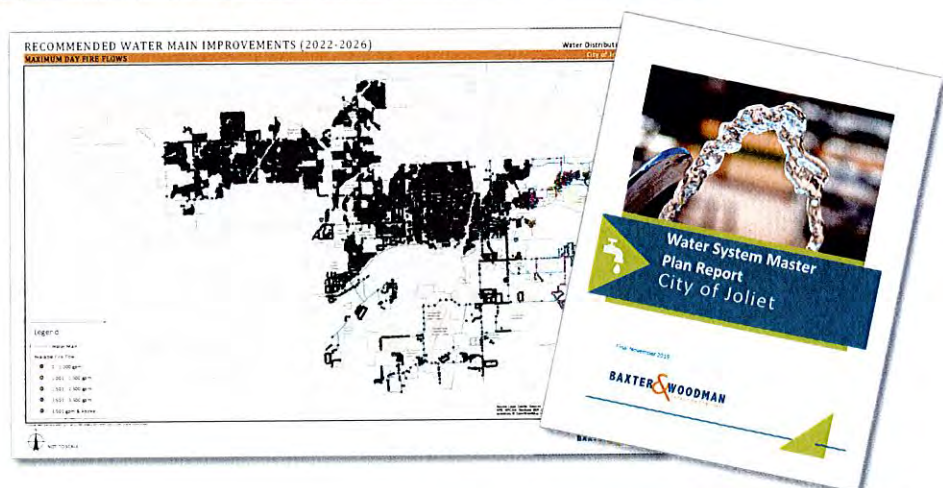
Sean O'Dell and the Plainfield team inside the new Lake Michigan Water Metering Station.

## 1. MEET YOUR SCHEDULE

Our team is well-versed in developing and meeting realistic schedules. The draft schedule below allows sufficient time for proper analysis and thorough review by involved parties. We are more than willing to revise and update this schedule to meet your project expectations.

TASK	COMPLETION DATE
Project Awarded	August 18, 2020
Kick-Off Meeting	September 1, 2020
Data Collection and Analysis	September 15, 2020
Preliminary Cost Memo	October 19, 2020
Alternative Route Meeting	November 9, 2020
Alternate Discussion	November 18, 2020
Draft Report Submitted	December 14, 2020
Meeting to Review Staff Comments	January 19, 2021
Study Completed	February 8, 2021

Baxter & Woodman assisted the City of Joliet with developing a WaterGEMS hydraulic model as part of a long-term infrastructure replacement plan. We have worked with the City for years on multiple projects and have consistently met our deadlines.





## 2. DELIVER ON YOUR SCOPE

The Scope of Service provided match our expectations for the project. We have added some details to the scope requested by the Village. We plan to approach the project by tackling the following tasks:

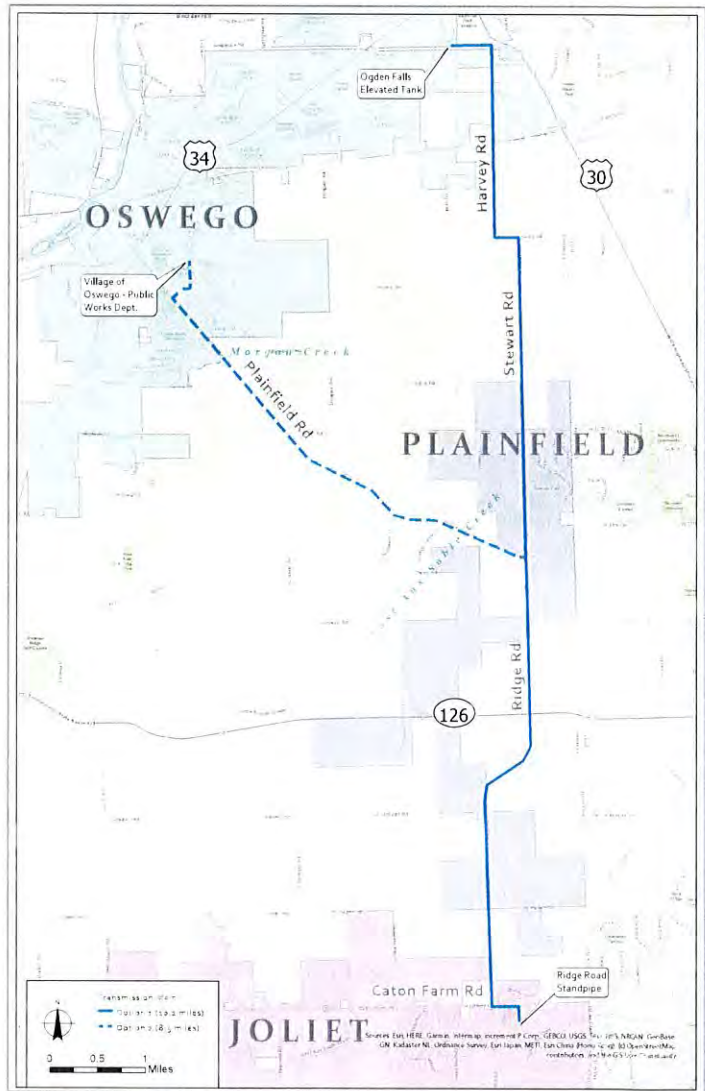
### 1. Evaluate Joliet Water Source Option

- a. *New Supply Transmission Main* - The largest cost of a new Joliet water supply will be the construction of a new transmission main. Identifying and evaluating different alternatives can cost or save the Village millions of dollars and months of headaches. The following page includes just a few of the numerous factors that will play a role in our recommendation.

1. Connection Points
2. Crossings: Road, Rail, and River
3. Environmentally Sensitive Locations & Wetlands
4. Easement and Right-Of-Way Challenges
5. Elevation Change
6. Ease of Construction
7. Parkway or Pavement
8. Permitting Hurdles, Cost, and Time
9. Approval and Construction Schedules
10. Trenchless Technologies and Alternate Materials
11. CCDD and Soil Considerations
12. Cost - Triple Bottom Line

We will use the past rating conventions/ratings from the previous routing studies and improve on them as we evaluate Joliet against the two water supply current alternatives.

The City of Joliet water supply has many routing options. We will focus on three agreed-upon routes at the kick-off meeting for our analysis. Here are two possible routes. The Village will benefit from our local experience when investigating the routing through Plainfield and/or Shorewood.

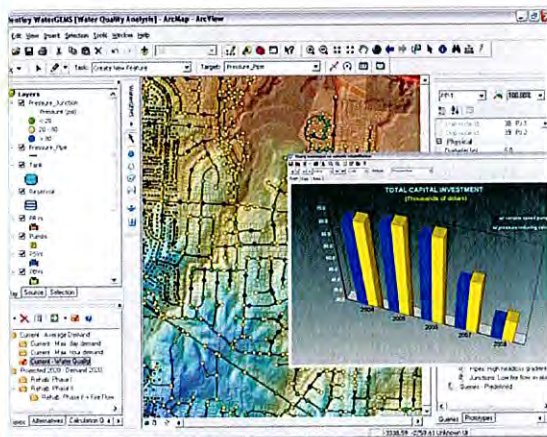




- b. *Impact on the Village's existing system* - One of our steps in the process of evaluating supply from the City of Joliet is to consider the impact of one (or several) supply points to the Village's existing system. We currently operate the City of Joliet's existing water model. In addition, we will use the Village's existing hydraulic model to determine what improvements may be necessary in the existing system and the best connection points for the new supply. If the Village does not have an existing or recent water model, we recommend developing or updating one. A water model will be a critical tool when evaluating a significant change to the operations of your water system. We will also work with your operators and review the strengths and weaknesses of your existing system. We know, currently, that the most likely connection point in the City of Joliet is at its 3 MG Ridge Road Standpipe on the northwest side of the City.

### WATER SYSTEM MODELING

Baxter & Woodman has prepared **water models** for numerous municipalities and currently manages and updates models for many of our clients. A water model is an important tool to help manage and evaluate your water system infrastructure.



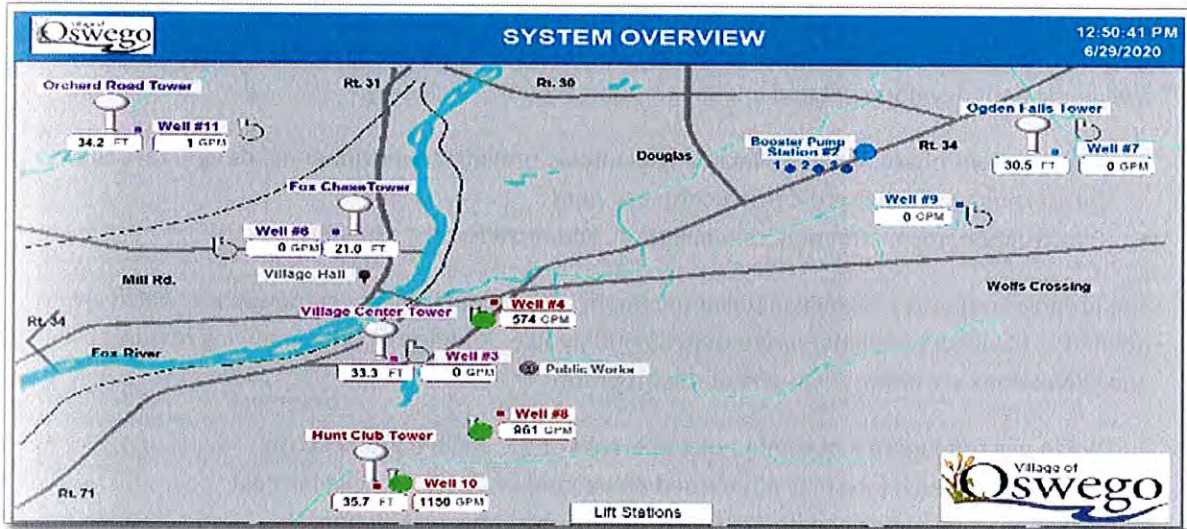
WaterGEMS model using ARC-GIS Interface

A water model is a computerized representation of all the components of your water system, including water mains, pumping stations, storage reservoirs, and elevated towers. Once the model is built and calibrated it can be used to run simulations and evaluate existing and future conditions within your distribution system. "What If" scenarios can be easily evaluated, such as when the pumping station is out of service while looking at the overall operation of the system. A water model can also be used to help build a water main replacement program.

The Village has three pressure zones. Option 1 on our exhibit shows one potential route to supply water to the Village's High Pressure Zone. The benefit of connection to the Village's High Pressure Zone is that this connection may allow you to feed the rest of the Village through gravity and with less pumping and distribution system improvements. It may be more costly to construct the new transmission main to the High Pressure Zone (at the northeast corner of the Village). However, the Ogden Falls grade elevation is a nearly 120-foot higher hydraulic grade line than that the City of Joliet's standpipe. A large pumping station will be necessary to deliver water to the High Pressure Zone. In addition, there is only one transmission main connecting the High and Middle zones along Route 34 that may be a bottleneck to a single supply in the High Zone.



Alternatively, there may be a better supply connection in the Village's Middle Pressure Zone, as shown in Option 2. Connecting to the middle pressure zone allows the Village to feed the Low Pressure Zone through gravity but will need to pump to the High Pressure Zone. In addition, the area near the Village's Public Works has a hydraulic grade elevation 55-feet higher than the Joliet Ridge Road standpipe. A smaller pumping station to move water to Oswego will be needed if the Village makes a connection to the Middle Pressure Zone.



## 2. Draft Report Comparing Fox River, DuPage, and Joliet

This report will take previous alternate water studies and summarize into a clear and informative summary of pros, cons, costs, schedules, exhibits, and the final recommendation.

- a. **Cost** - Accurate preliminary cost estimates will be determined as part of the Joliet water supply study. We understand the importance of providing accurate cost estimates during this phase of the study stage so future budgets for Phase II design and Phase III construction are on target. In addition to capital costs, we will provide operating and financing costs for the three supply options: Fox River, DuPage Water Commission, and the City of Joliet. Baxter & Woodman's rate study expert, Tim Chan, will evaluate the Village's current water rate and estimate the impacts on residents' average water bill.



### WIFIA FUNDING



One potential funding source for a project the size of a Oswego's New Water Supply is the Water Infrastructure Finance and Innovation Act (WIFIA). WIFIA was established in 2014 as a federal credit program led by the Environmental Protection Agency (EPA) for eligible water infrastructure projects. Local governments are eligible borrowers and the program covers a wide range of development and implementation activities including:

- Development phase activities, including planning, preliminary engineering, design, revenue forecasting, and other pre-construction activities
- Construction, reconstruction, rehabilitation, and replacement activities.

The program requires a 20 million dollar minimum project size for large communities, which are defined as having a population more than 25,000 people. Additionally, the following features and stipulations are imposed as part of the program:

- WIFIA will fund up to a maximum of 49 percent of the eligible project costs
- Total federal assistance may not exceed 80 percent of a project's eligible cost
- Maximum final maturity date of 35 years after substantial completion
- Maximum deferral period of repayment of five years after substantial completion;
- Interest rate equal to or greater than the U.S. Treasury rate of a similar maturity at date of closing
- National Environmental Policy Act, Davis-Bacon and Related Acts, American Iron and Steel, and all other federal cross-cutter provisions apply

Baxter & Woodman shares in your challenge of best utilizing local funds in their most efficient applications. Our team will assist you with proactive planning and finding creative solutions that facilitate building your needed improvements.

*b. Financing* - The Village values cost-conscious solutions that help demonstrate positive fiscal responsibility. Baxter & Woodman shares in your challenge of best utilizing local funds in their most efficient applications. Finding funding doesn't just mean looking at typical State, Federal, and agency grant/loan programs, it also means assisting you with proactive planning and finding creative solutions that facilitate building your needed improvements, such as:

1. Innovative Solutions that Save Resources and Make Improvement Goals Attainable
  - Alternative design and construction rehabilitation methods
  - Energy efficient equipment that reduces utility and maintenance costs
  - Repurposing infrastructure and materials recycling
  - Innovations in information technology, automation, and remote access



2. Capital Improvement Planning and Annual Maintenance Programs
    - Advanced knowledge of maintenance needs helps communities take advantage of funding programs
  3. Cost Sharing and Teaming
    - Collaborating with interested organizations, industries, and agencies
    - Teaming with other stakeholder communities
    - Public/private partnerships
- c. *Continuity* - Thinking through the continuity of operations during the potential transition as well as long term operations with Lake Michigan Water is a vital step in the planning process. We will work directly with your water operators and the Village's hydraulic model to understand any hydraulic challenges or operational limitations in your system. We will also review your Village's Emergency Response Plan and work with Concentric Integration (Baxter & Woodman's subsidiary) to help develop a system redundancy strategy with any of the three water supply options. There may be a need for some additional water main or PRVs to help maintain operations. These are often unidentified costs that we will make sure are incorporated in the plan.

We have helped other communities transfer from ground water to Lake Michigan water. We will provide a Peer to Peer opportunity for you to discuss challenges and lessons learned with the Village of Plainfield.

- d. *Quality* - Lake Michigan water quality is often considered extremely palatable and enjoyable by those that receive Lake water. However, any change in sources or treatment must be evaluated closely and be approved by the IEPA with a permit. The IEPA will focus on lead and copper corrosion control and will require additional sampling and a corrosion control study to evaluate lead and copper water quality parameters. We have teamed with Abigail Cantor from Process Research Solutions, a nationally known Water Chemist, to help provide guidance to the Village to address the potential changes in water chemistry and water quality. We will help prepare the Village for the impacts of the change on your distribution system as well as your residents.



- e. *Alternate Timeline* - We understand that timing is essential for the Lake Michigan water evaluation. The Village estimates that you will need a new well by 2026. Joliet estimates that they will have new Lake Michigan water supply by 2030. A new deep well will take a minimum of 18 months to design, permit, and construct, not including treatment. We will keep your short-term and long-term goals in mind while evaluating the potential schedule of



all three water supply options. Additional criteria such as permitting, funding, easements, and legal agreements will be considered with the timeline. An alternate timeline will be created if the Joliet option is not selected.

*f. Legal & Governance* - Our teammate – Irene Caminer with Caminer Law, LLC will provide advice, counsel and guidance to the Village of Oswego as follows:

- Analyze, compare and contrast the general legal obligations of the village based upon existing and proposed contracts. This may also include a review of federal and state laws, rules and regulations, including but not limited to the Safe Drinking Water Act, Illinois Compiled Statutes such as the Metropolitan Water Reclamation Act, the Public Utilities Commission Rules and the Illinois Environmental Agency and the Department of Natural Resources rules and regulations. Caminer Law, LLC will also provide review, draft and suggested edits to water governance documents, financial documents, water supply agreements, water conservation plans and other related documents.
- Assist in outlining a plan with clear goals to obtain buy-in from stakeholders including the residents, businesses and local public officials of the Village of Oswego (Montgomery and Yorkville) and others. This may include a structure for meetings, ordinance drafting, attendance at meetings with elected officials to brief on proposed legislation, attendance at public meetings relating to the introduction of legislation, hearings and passage of legislation.
- Participate and assist with the facilitation of regional water supply discussions that are meaningful, transparent and equitable. This will include preparation for discussion, for example of available options, cost-benefit analysis, roles and responsibilities of each participant, and developing an overall agenda and guidance document that will be used to form the basis of a draft written agreement.
- Assist in the development of a political strategy and coordinate with federal and state lobbyists. This may include an outline of a plan to obtain an allocation for Lake Michigan water from the Illinois Department of Natural Resources, draft presentation(s) and attending meetings with lobbyists and stakeholders.

### **3. Evaluate New Well & Storage**

- a. New Well* - The Village anticipates that you will need a new deep well by 2026 to meet growth projections. We recommend re-evaluating the relevant demand information and updating projected growth and water usage early in the project. Designing, permitting, and constructing a new deep well, including WRT treatment, can take up to two years. We will make sure to evaluate the need for the new well along with developing a practical timeline and budget for the study.
- b. Water Storage* - The Village currently has five elevated storage tanks totally 5.3 Million gallons. The Village's existing elevated tanks provide just over two average days of water storage. As a general rule of thumb, the Village has the necessary storage for a typical Lake



Michigan Water user. However, water suppliers often have their own storage requirements which will be reviewed as part of the discussion with the City of Joliet. In addition, depending on the supply connection points, additional storage may be necessary at a receiving station for operations.

#### **4. Community Engagement**

In this day and age of instant messaging and headline news, the public at large has a greater awareness than at any other time in history. Unfortunately, headlines don't always tell the whole story and as the message is passed along, the meaning can become distorted - causing confusion, fear, and even anger. Baxter & Woodman knows that public acceptance is critical to the success of a project and that is why we have included Images, Inc., a strategic communications firm on our team.

Images, Inc. has mastered the art of strategic communications through visioning, planning, and understanding. Our team will collaborate with the Village to develop a well-thought-out strategy for communications throughout the life of the project and use this to create a Public Involvement Plan. This Plan will drive our activities - from meetings, events, and education to innovative graphic designs, digital content, social media, and more. The Plan will inform processes and overarching message frameworks, but the team will work iteratively to tailor specific messages to a variety of audiences as the project progresses. Our team regularly works with diverse segments of the public, confirming each message is tailored to the specific needs, interests, and perceptions of every group. This flexibility is what will create true public engagement and buy-in and create project champions along the way.

Implementing such a comprehensive Plan requires the skill to translate complex, technical messages into easily digestible and relevant bits of information. Images, Inc. has been excelling at this very task for nearly 20 years. Through creative use of imagery and original design, we bring meaning to the phrase: "Communication is not a one-size-fits-all approach." We understand the messaging differences between a millennial versus a senior, an advocate versus an opponent, and will deliver each critical message across a variety of channels including print, digital, community event, open house forum, or virtual meeting.

We will start by designing a brand for Oswego water that can be utilized regardless of what source is selected and last through implementation of the new water source and beyond. Having a brand provides your customers with an easily recognizable image that they will come to understand symbolizes water for the Village - as it relates to the current project, a future source, the implementation process, and conservation. We propose developing a website that will utilize the brand and be the source of information for your water programs. The website will include features for individuals to sign up for the stakeholder list and to submit comments. Next, we will identify the stakeholders, including local, regional, state, and federal governing bodies and organizations; advocacy groups; local business, social, cultural, and religious leaders; and the citizens of Oswego. This base list of stakeholders will be built upon as the project progresses.

To build community trust, it is essential to have an open process that allows those members of the community who wish to participate the opportunity to be involved from the start of an initiative.



We encourage their participation in a meaningful way and want to hear what they have to say. A powerful and yet simple educational and awareness campaign will be created to kick off and introduce the project. This will generate excitement and a desire to be a part of the process.

Because many of us take for granted water will flow whenever we turn on the tap, we rarely stop to consider the limited nature of such a precious resource. The amount of water Kendall County will need by 2050 is estimated to increase 51 percent from 2011 usage as reported in the Chicago Metropolitan Agency for Planning's (CMAP) ON TO 2050 Regional Water Demand Forecast. This proves the need for the Village to act on a new water supply. It will take a strong educational campaign targeting businesses, members of the public, and students alike to generate awareness of the value of this commodity. The need to implement a thorough water conservation campaign is obvious and our ability to do so is unmatched. We initiated a water awareness campaign for the City of Joliet that continues today. We also implemented a railroad safety campaign that faced similar challenges but serves as an example of a campaign that not only educated the public about the Illinois High-Speed Rail program but turned members of the public into project champions.



We are experts in strategic communications and grassroots education. We understand there is fear of change and concern for the environment. The need to overcome these perceptions is significant but not a challenge we are unfamiliar with. For an educational campaign to be successful, we must address citizens' concerns and confirm community members understand how these changes will impact them. As a result, this campaign will need a unique balance of education and persuasion, a combination similar to work Images, Inc. has executed in the past.

A CMAP report shows the 2019 cost per 5,000 gallons of water in Oswego was \$32.54. This ranks the Village as 82nd out of 248 responding municipalities and a relatively low rate compared to the highest rate of \$129.52. Even with these figures, a concern that will be raised is cost - not only the cost to the Village for construction but how these costs will impact individual water bills. We are living in uncertain times as the nation deals with the COVID-19 pandemic resulting in historic unemployment levels. It will be important not only to explain costs and the amount of increase it will have on individual bills but to also present the benefits a new source of water gives to the community.

A series of public information sessions will be hosted in person utilizing social distancing and/or virtually to provide the public with information on the water supply issues the Village is facing. Our team will explain the current circumstances, the process for developing a solution, and present the options for moving forward. These events will allow for interaction with the team and Village staff as well as the opportunity to provide comments. We will design eye-catching displays and presentations that are easy to understand. Materials will be posted to the website so they can be reviewed again at any time.



In addition to public meetings, utilizing the Village social media platforms of Facebook, Twitter, and LinkedIn is important. We will create a social media campaign to promote the project and water conservation. While it feels like we live in a digital world, we know that it is not a preferred method of communicating to everyone, so we will also produce a poster campaign to increase awareness.

We recommend use of multiple communication assets and tactics to reach the greatest number of people. This may include:

- Implementation of a **public survey** to determine the level of understanding of the water issues.
- Production of a short (three-minute) educational **video**.
- Formation of a **Stakeholder Committee** made up of Village officials and community leaders to be the first to learn about the project milestones, to provide insight and feedback, and to assist in getting the word out to the public.
- Execution of a **promotional contest** to generate enthusiasm and increase support. The community can be influenced by this excitement and want to be a part of it. The promotion could be in the form of a poster or slogan contest.
- Participation at **local festivals** (when they are held again) to bring the message to the people. It is a challenge for people to take time from their busy lives to attend a public meeting. However, people can stop and talk for a few minutes if you go where they go. This includes a local farmers' market.
- Creation of a **project hotline** so residents and business owners can leave a message or ask a question by using an easy-to-remember phone number such as 800-MY-WATER.
- Launch a **comment management system** that confirms comments are documented and responded to in an appropriate and timely manner.
- Establishing a **speakers' bureau** composed of prominent community influencers and business leaders to save cost and spread the word about the project status.
- Creation of an electronic monthly project **newsletter**, *Water Wise*, to be sent out to everyone on the project mailing list. This type of marketing not only informs the public of the project status but facilitates a larger culture change predicated on the creation of long-term water sustainability advocates.
- Development of an **app**. With over 77 percent of Americans owning smart phones, apps are an easy channel through which to communicate up-to-date information.
- Draft of informational **press releases** to engage the media in spreading the word about the project.
- Host monthly **Water Chats** where anyone can participate in a short 30-minute update of the project and ask questions.
- Development of an **educational campaign** for students.
- Creation of **interactive online quizzes** like the popular BuzzFeed quizzes that engage a younger, digitally oriented audience. This type of interactive tool educates users in a non-traditional and entertaining way.

Our process is straightforward, accurate, and transparent. Images, Inc. believes that communication is not just about speaking or reading but about understanding the values. Images, Inc. will create a ripple effect throughout the Village to build trust, cultivate awareness, and promote collaboration.



We will foster an environment where everyone feels heard, informed, and educated about the project goals. It is our goal to not merely inform the community of water challenges but allow them to see the value for their community.

Baxter & Woodman knows communicating the benefits of a project to stakeholders and managing their expectations is a vital part of any government or municipal project. Our team is well versed in an assortment of communication tools that aid us in creating the most effective communication strategy for each project. From public meeting to on-site signage to website updates, our staff knows how to successfully utilize these tools to coordinate and promote positive public involvement.



Baxter & Woodman uses drone video and visualizations tools to help keep the public informed.

## 5. Conservation Considerations

Currently the Village's average water demand per person is approximately 80 gallons per day per person. This water demand is "typical" for the Chicagoland region. However, further reduced water use in the Village will help minimize the size and cost for the new water supply main and pumping station.

Water conservation focuses on taking action to improve the effectiveness of water use through your community by various means, such as influencing water usage activities by public education and improved water system operations. Public behaviors can significantly impact water usage. Promoting water efficient fixtures and appliances and the value of water can have a significant effect on water conservation.

In addition to educating your residents on the value of water, any community that receives Lake Michigan water must meet the Illinois Department of Natural Resources (IDNR) Lake Michigan Allocations rules. The current rules have established a Non-Revenue standard of 10% (as calculated by the AWWA M36 Water Audit methodology). We recommend evaluating your current Non-Revenue water now with the M36 Water Audit to determine if you will meet the IDNR requirements. Any water system not in compliance with the Non-Revenue standard is required to submit and commit to a water system improvement plan to reduce lost water. A water infrastructure renewal plan, water meter replacements, or billing systems may need to be addressed and could impact the total project costs.

## 6. Meetings

We recommend monthly meetings/virtual calls to manage expectations, progress and decision making. These meetings will set clear expectations for the team (both consultant and Village).



## 7. Project Deliverables

*What can you expect?*

- a. *Weekly Check-ins from Carolyn or Sean (via phone or email)*
- b. *Monthly Invoices and Progress Reports*
- c. *Deliverables - All electronic documents will be shared using Microsoft OneDrive.*
  - i. *Draft Routing Exhibits*
  - ii. *Draft Cost Estimates*
  - iii. *Draft Report with updated Exhibits and Estimates*
  - iv. *Final Report with Exhibits and Estimates*

## 3. ADDRESS YOUR CHALLENGES

- ***Collaborating with Other Firms:*** Carolyn, Sean and the project team routinely collaborate with Jeff Freeman of EEI and Chad Laucamp of AECOM through professional organizations and committees. However, not having any involvement in the Village's previous phases of the project provides Oswego with a fresh perspective! Baxter & Woodman has a strong track record of providing value engineering and peer review to help remove unnecessary costs in project while assuring the quality, reliability, and performance.
- ***Collaborating with Municipalities:*** Baxter & Woodman has a strong working relationship with the Village of Plainfield, City of Joliet, and Village of Shorewood. We have helped all three communities with water system planning services. These relationships with your surrounding communities will help us achieve your project goals.
- ***Collaborating and Communicating with Oswego:*** Efficient and effective communication promotes project success and demonstrates a consultant's accountability. We tailor our project management to fit your needs.
  - ◊ **Scoping Meeting:** At initiation we meet with Village staff to determine and document the limits of the study or design, as well as information on key stakeholders, environmental attributes, historical data, etc. Cost and potential impacts to residents will be identified early in the planning process to meet budget and maintenance goals.
  - ◊ **Project Status:** We will provide monthly project status reports. These updates will help you and your staff keep current during all phases of your projects and give you the opportunity to provide us with feedback.
  - ◊ **Quality Control/Assurance:** Peer reviews are conducted by similarly experienced senior engineers, constructability reviews by the construction department, and operability reviews by licensed operators.
  - ◊ **Obtaining Your Feedback:** Upon project completion meet with staff to get feedback from you and learn what project elements the Village has found to be successful.
- ***Wetland and Best Management Practices (BMPs):*** The proposed water transmission main route is within or near wetland areas and waterways. To determine what types of water



resource permits are needed and to assist with the development of construction, stormwater, and wetland Best Management Practices (BMPs); we recommend a wetland delineation along the proposed route. The delineation will identify the location, extent, type, quality, and function of wetlands and waterways.

Utility projects crossing wetlands and waterways will need to comply with the rules and regulations of the Clean Water Act and Kendall County Stormwater Management Ordinance. This work includes avoiding impacts where possible (e.g., directional drilling), minimizing impacts, and site restoration, often including native plantings. Baxter & Woodman will help you navigate the various permitting options to select the most efficient and beneficial route for the project.

- Permitting:** Baxter & Woodman's team will assist with obtaining the permits necessary for your improvements. We understand the permit requirements of these agencies and will work diligently to coordinate timely reviews. However, the permit agency processing time will ultimately dictate project schedule. Our goal is to obtain permit approvals as quickly as possible. Our familiarity with these agencies, their processes, and staff help us to anticipate the needed schedule time.
- Agency Relationships** - Baxter & Woodman has a demonstrated record of cooperative work with regulatory agencies including the IEPA, IDOT, MWRDGC, CSX Rail, Army Corps of Engineers, and various other County and State agencies relevant to the Commission's project. Staff from these agencies are familiar with the quality of Baxter & Woodman's work, and often rely on their engineers to provide input and feedback on programs and requirements. Carolyn's leadership role with ISAWWA and Sean's contacts through APWA are both very helpful in this respect. The Village will benefit from Baxter & Woodman's relationships by receiving quick responses to requests for information and expedited approvals.

### CASE STUDY

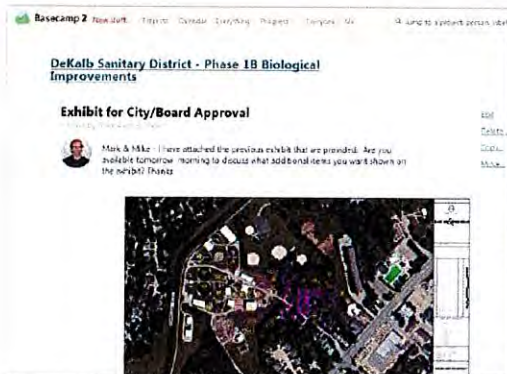


Baxter & Woodman is assisting Wheaton Sanitary District to replace the North Side Interceptor, which will be 5.3 miles long. The project includes coordination with 17 different permitting agencies:

- |                                  |                              |
|----------------------------------|------------------------------|
| • USACOE                         | • Milton Township            |
| • U.S. Fish & Wildlife           | • City of Wheaton            |
| • IEPA/DWPC                      | • Wheaton Park District      |
| • IDNR/ES                        | • Village of Carol Stream    |
| • IHPA                           | • Carol Stream Park District |
| • IDOT                           | • Union Pacific Railroad     |
| • DuPage - Stormwater            | • School District #200       |
| • DuPage - DOT                   |                              |
| • DuPage - Forest                |                              |
| • Kane/DuPage - Soil and Erosion |                              |



### BASECAMP® ONLINE COLLABORATION SOFTWARE



Basecamp®, an **online project collaboration tool**, promotes effective project management by allowing the project team and City staff to easily share files, discuss topics, collaborate on documents, and communicate due dates in one central location.

We have used Basecamp® on a number of recent projects, including DeKalb Sanitary District, Wheaton Sanitary District, and Glenbard Wastewater Authority. Baxter & Woodman owns a license for the software, which allows the City to benefit from its features at no extra cost.

### QUALITY ASSURANCE/QUALITY CONTROL

Each Baxter & Woodman department has a Quality Assurance/Quality Control (QA/QC) Plan that incorporates peer reviews and constructability reviews conducted by senior engineers, certified operators, and construction managers at project milestones. These reviews aid in design accuracy, cost estimation, and scheduling. Our team collaborates to confirm quality is an ongoing focus and a superior product is achieved.

At 30% complete, the preliminary design will be reviewed to identify potential constructability and operations concerns. Preliminary cost estimates are prepared to allow for design changes needed to meet your budget. Designs are reviewed again at 60% and 90% complete with the goals of minimizing change orders and confirming that your requests have been addressed.

QA/QC comments are received from reviewers at each critical project milestone and are documented in tabular format. Responses addressing these comments are required to be provided on the same form in order to readily identify concerns and their proposed resolutions.

Project documents are submitted to you only after QA/QC reviews are complete and approved by both the Project Manager and the Department Manager. As a commitment to our quality procedures, these QA/QC comments and resolution documents are available for your review upon request.

#### QA/QC Procedures



**Customized Checklists**



**Compliance with Project Deadlines**



**Ample Support Staff**



**Review by Senior Engineers**



The benefits of our effective QA/QC procedures are most evidenced by tightly grouped bids, reduced change orders, and adherence to schedules and budgets. We routinely receive compliments from construction contractors and material suppliers regarding the thoroughness of our construction contract plans, enabling them to provide more accurate bids with minimal cushion for unknown risks.

### WHY HIRE BAXTER & WOODMAN?

Baxter & Woodman has integrated a proven approach with customized features to successfully complete the Village's Alternative Water Source Evaluation. Our approach is supported by:



#### Unique Project Team

Baxter & Woodman provides the right combination of professionals to help you find the best solution that achieves your project goals. Our water, infrastructure, automation, and construction engineers are supported by well qualified legal (Caminer Law) and public outreach (Images) firms to provide Oswego with a comprehensive project team.



#### Demonstrated Expertise

Baxter & Woodman has assisted many communities with alternative water source evaluations. We encourage the Village to call our references to hear our success stories with these projects!



#### Communication & Accountability

We value open communication with Village officials, staff, and the public. We will work with you to create a strategy promoting the Village's dedication to building a positive public response, and keeps your project moving forward.



#### Local & Responsive

Many members of our project team are located in our Mokena office, a short 30-minute drive away. Client Liaison and Mokena Region Manager Sean O'Dell is committed to being available to Village staff 24/7 throughout the project. Oswego can reach Sean on his cell phone at 815.482.7853.



## PROJECT EXPERIENCE

Knowledge of all facets of a water system provides a solid foundation for performing a distribution study that effectively evaluates the existing components and enhances planning for future improvements. Baxter & Woodman completes over 200 water engineering projects per year. Below is a list of communities for which we have provided many years of multiple water system engineering services. ***We will gladly supply the Village with examples of previously completed studies upon request.***

COMMUNITY	Water System Planning	Water System Modeling	Rate Study	Water System Design/ Construction	SCADA/GIS	Operations Assistance
Bedford Park, IL				•	•	
Buffalo Grove, IL	•	•	•	•		
Carpentersville, IL	•	•	•	•		
Cherry Valley, IL	•	•		•		
Crystal Lake, IL	•	•	•	•	•	
Country Club Hills, IL	•	•		•		
Deerfield, IL	•	•		•		
DeKalb, IL	•	•		•	•	•
Elmhurst, IL	•	•	•		•	•
Gilberts, IL	•	•		•	•	•
Glenview, IL	•	•		•	•	•
Highwood, IL	•			•		
Island Lake, IL	•	•		•	•	
Joliet, IL	•	•		•	•	•
Kenilworth, IL	•		•	•		•
Lakewood, IL	•			•		
Lake in the Hills, IL	•	•		•	•	•
Mundelein, IL	•			•	•	
Northbrook, IL				•		
Oak Brook, IL	•	•				
Oak Forest, IL	•	•		•	•	
Oak Park, IL		•		•	•	
Palatine, IL	•	•		•		
Palos Park, IL	•	•		•		
Park Forest, IL	•	•		•		•
Plainfield, IL	•	•		•	•	•
Round Lake, IL	•	•	•	•	•	
Schaumburg, IL	•	•		•	•	
South Elgin, IL	•	•	•	•	•	
Sycamore, IL	•	•		•		
Western Springs, IL	•	•			•	
Woodstock, IL	•	•		•	•	•



**VILLAGE OF PLAINFIELD, IL****Lake Michigan Water Transmission Main**

The Village Board approved an agreement with the Illinois American Water Company (IAWC) to purchase Lake Michigan water. This decision was the culmination of many years of study, acquiring an allocation from the Illinois Department of Natural Resources, and negotiations, with IAWC.

The first phase of the project involved constructing a 20-inch water main between Plainfield and Bolingbrook. Expediting the construction of this main would result in a savings of over a half million dollars to the Village, so the Village contracted Baxter & Woodman to complete a design/build of the water main and metering facilities. This project consisted of the design and construction of approximately 12,500 lineal feet of 20-inch water main and a metering station. This transmission main, which was connected to a 20-inch water main in Bolingbrook, allowed the Village to convert from a deep well system to a Lake Michigan water supply.

Approximately 1,050 lineal feet of 18-inch trunk sewer improvements were installed in conjunction with the water transmission main. The water main and sewer were installed in jacked casings across IL Route 59.

The project required obtaining easements along the north and south sides of 127th Street to accommodate the sewer and water main. The project also required permitting with the Illinois Department of Natural Resources and the Army Corps of Engineers to install the water main by open cut across the DuPage River.

**HIGHLIGHTS****COMPLETION: 2003****CONSTRUCTION COST: \$2.3M****TEAM MEMBER: Sean O'Dell**

**CLIENT CONTACT: Allen  
Persons, Director of Public  
Works  
(815) 436-3577  
apersons@goplainfield.com**

**Testimonial:**

"This 'design-build' Baxter & Woodman project was completed in less than six months...What many people do not realize is that the residents of the Village saved over \$500,000 due to the timely installation of the two-mile-long transmission main and related metering station."

*Allen Persons  
Director of Public Works  
Village of Plainfield*



Plainfield's Lake Michigan Water Pumping Station



## CITY OF JOLIET, IL

### Water System Model and Master Plan

Baxter & Woodman is assisting the City after developing a WaterGEMS hydraulic water model in order to identify and prioritize future water system projects. This knowledge will be instrumental in evaluating Joliet as an alternative water source for Oswego. The City experiences 250 main breaks a year and one of the primary goals of the water model project was to establish a long-term infrastructure replacement plan. The water model simulates over 650 miles of water main. The water model is based on the City's Water System GIS, which Baxter & Woodman has updated working with City staff to create data that is water model compatible. We also hosted a workshop with water department staff to review GIS updates and provide input on missing water system data. The water model is used to identify strengths and weaknesses in the City's distribution system. A final report was delivered to the City incorporating the findings and recommendations from the water model analysis. Our services included:

- Existing Conditions/History Review
- GIS Data Adjustments
- Model Calibration
- Distribution System Analysis Scenarios
- Water Main Break Analysis
- Model Exhibits
- Recommendations For Distribution System Improvements
- Final Report

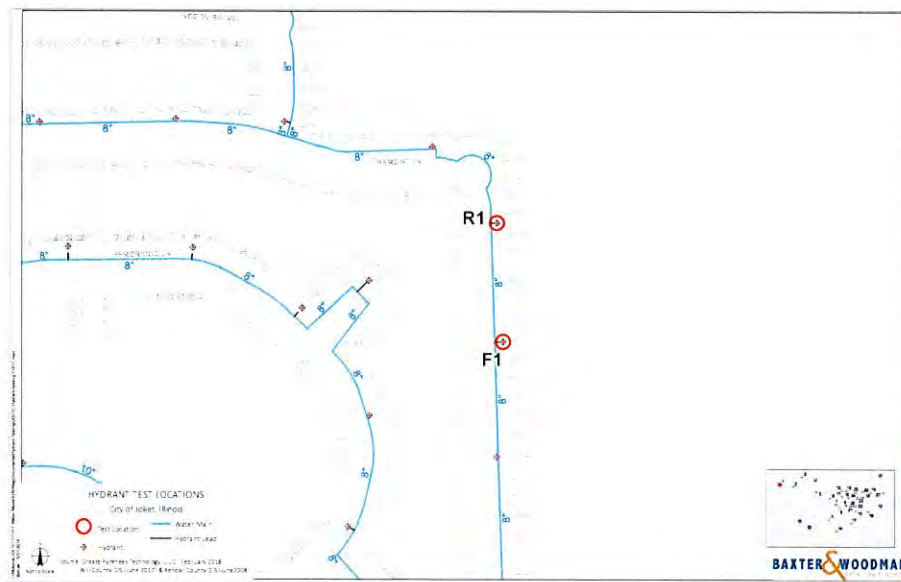
### HIGHLIGHTS

**COMPLETION: 2019**

**CONSTRUCTION COST:  
\$205,200**

**TEAM MEMBERS:** Lauren Schuld, Carolyn Grieves, and Sean O'Dell

**CLIENT CONTACT:** Allison Swisher, Public Utilities Director  
(815) 724-4222  
aswisher@jolietcity.org





## VILLAGE OF SCHAUMBURG, IL

### Water System Model and Master Plan

The Village's objective for the Water System Master Plan was to complete a thorough review of the entire water system facilities and operations to achieve a comprehensive water system planning document for water operations, facilities, and the distribution system. The purpose of the Model and Master Plan report was to develop a systematic approach for making both short- and long-term capital and operational efficiency improvements to help the Village build a roadmap for future improvements.

The Water System Master Plan included the following components:

- Review of past water use and future water demand projections.
- Review of distribution system data and development of a hydraulic distribution model developed from the Village's Geographic Information System (GIS) database.
- Development of infrastructure needs including estimated project costs.

A new WaterGEMS® hydraulic model of the Village's water distribution system was developed and utilized to assist with verification of system pressures, fire flow capabilities, and development of water main improvements along with review of alternative operational schemes. The benefit of the new water model is that it correlates directly with the Village's GIS. Data from the model can be linked directly to GIS so that pressures and fire flows are readily available to Village staff.

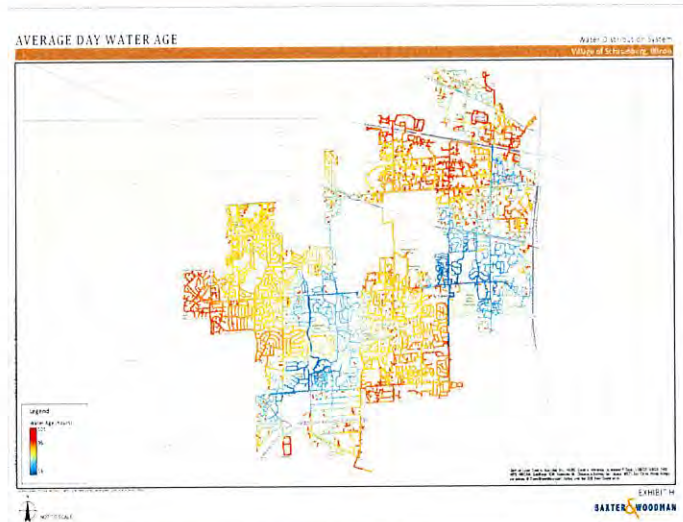
Recommended distribution system improvements were developed based on criteria developed during the study and simulated with the model to address system deficiencies. These improvements were described including overall length and estimated cost to install. A map of the individual water main improvements is also provided. Near term projects were aligned with proposed street project plans. Long-term future projects were given a priority ranking to provide insight during the project planning process and also allow for flexibility in future improvement programs.

### HIGHLIGHTS

**COMPLETION: 2019**

**TEAM MEMBERS:** Carolyn Grieves, Lauren Schuld, and Tim Chan

**CLIENT CONTACT:** Brian Wagner, Superintendent of Utility Services  
(847) 895-7100  
wagner@ci.schaumburg.il.us





**VILLAGE OF FLOSSMOOR, IL****Water Supply Evaluation**

This Alternate Water Supply report evaluated the cost effectiveness and long-term viability of utilizing water supply wells to fully support the Village of Flossmoor's water supply needs.

Rising costs of Lake Michigan water have caused the Village to consider alternate sources of water outside of their existing connection with the Village of Homewood. The Village began engaging in talks with numerous neighboring municipalities about forming a Joint Action Water Agency (JAWA) or series of interconnections to lower their water rates. The Village hired Baxter & Woodman to assess the advantages, disadvantages, and cost effectiveness of utilizing water supply wells as a future water source.

The alternatives that were evaluated include drilling new shallow limestone wells with softening and iron removal treatment; new deep sandstone wells with softening and radium removal treatment; and the purchase of treated well water from the Village of Park Forest.

The goals for this project included the following:

- Assess the current water demand.
- Evaluate population growth projections and their impact on water demands through the year 2040.
- Evaluate potential water supply facilities and their capacity to meet future water demands.
- Identify and evaluate alternative water supply sources for the Village's future needs, including a summary of treatment alternatives for shallow and deep well water supply.
- Calculate estimated construction costs for a comparison of all alternatives.

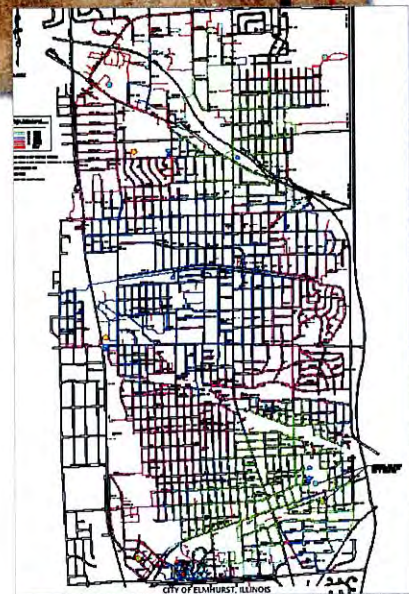
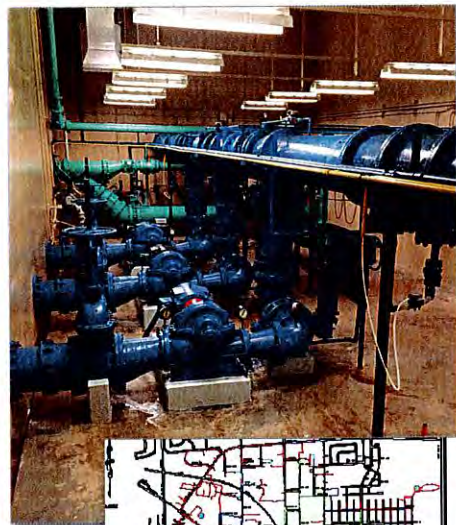
**HIGHLIGHTS****COMPLETION: 2016****TEAM MEMBERS:** Carolyn Grievess and Sean O'Dell**CLIENT CONTACT:** John Brunke, Director of Public Works  
(708) 798-2300  
jbrunke@flossmoor.org



**CITY OF ELMHURST, IL****Water System Model & Evaluation**

The City of Elmhurst receives its water from an upstream wholesaler (the DuPage County Water Commission), stores water in various reservoirs, and then utilizes booster pumps to provide water to residents, businesses, and institutions. Baxter & Woodman conducted a comprehensive evaluation of the entire water system to develop and achieve a long-term water system vision focusing on operational efficiency:

- Detailed evaluations of structural, electrical, and mechanical systems of water pumping facilities.
- A holistic evaluation of the water pumping process control system, including an evaluation of motor control centers (MCCs), Variable Frequency Drives (VFDs), automation (SCADA), water system analytics, and related instruments and technologies.
- Water storage tank evaluations.
- Water main leakage and water loss analysis.
- Valves, metering, and instrumentation analysis.
- Distribution system data and development of a new WaterGEMS® hydraulic distribution model developed from the City's GIS database.
- Analysis of distribution system strengths and weaknesses and development of a short-term and long-term infrastructure renewal plan.
- Updates to the City's CMMS database for asset management.

**HIGHLIGHTS****COMPLETION: 2017****TEAM MEMBERS:** Lauren Schuld and Carolyn Grieves**CLIENT CONTACT:** Paul Burris,  
Utility Operations Manager  
(630) 530-3042  
[paul.burris@elmhurst.org](mailto:paul.burris@elmhurst.org)



**CITY OF ROLLING MEADOWS, IL****Water Model Update and Master Plan**

Baxter & Woodman worked with the City of Rolling Meadows on a water model update and master plan. An updated WaterGEMS® model that coordinates with the City's GIS was instrumental to evaluating the water system improvements necessary to improve water service throughout the City of Rolling Meadows.

This project included rebuilding and updating the City's WaterGEMS® model so that the new model coordinated with the City's GIS. The updated model was used to develop a recommended water system improvements plan to address immediate and long-term water system needs.

The project included:

- Updating the existing water model in WaterGEMS® for the City water system using the updated GIS information.
- Performing "distribution stress tests" by flowing hydrants in specific areas to confirm available fire flows match the model results and assist with calibration.
- Preparing water system exhibits showing pressures and fire flows for average day and maximum day water demands.
- Developing an "extended period" simulation (EPS) model which will be used to identify problem areas in the existing system during a variety of flow conditions.
- Providing recommendations for distribution system improvements.

**HIGHLIGHTS****COMPLETION: 2019****TEAM MEMBERS: Carolyn  
Grieves and Lauren Schuld****CLIENT CONTACT: Rob Horne,  
Assistant Director of Public  
Works  
(847) 963-0500  
horner@cityrm.org**



## VILLAGE OF SOUTH ELGIN, IL

### Water System Model

Baxter & Woodman developed a WaterGEMS water model to help the Village analyze future developments and water system needs. The Village's Geographic Information System (GIS) was reviewed and updated as part of the project.

The project includes:

- A calibrated model developed from the City's GIS.
- Estimates of existing residential population, non-residential population equivalents, and water demands.
- Updated projected population estimates based on available developable land and anticipated changes in existing land uses.
- Updated WaterGEMS water system computer modeling work based on the Village's Geographic Information System (GIS) and infield fire hydrant flow testing.
- Use of the water model to identify problem areas and proposed solutions within the distribution system during a variety of demand conditions.

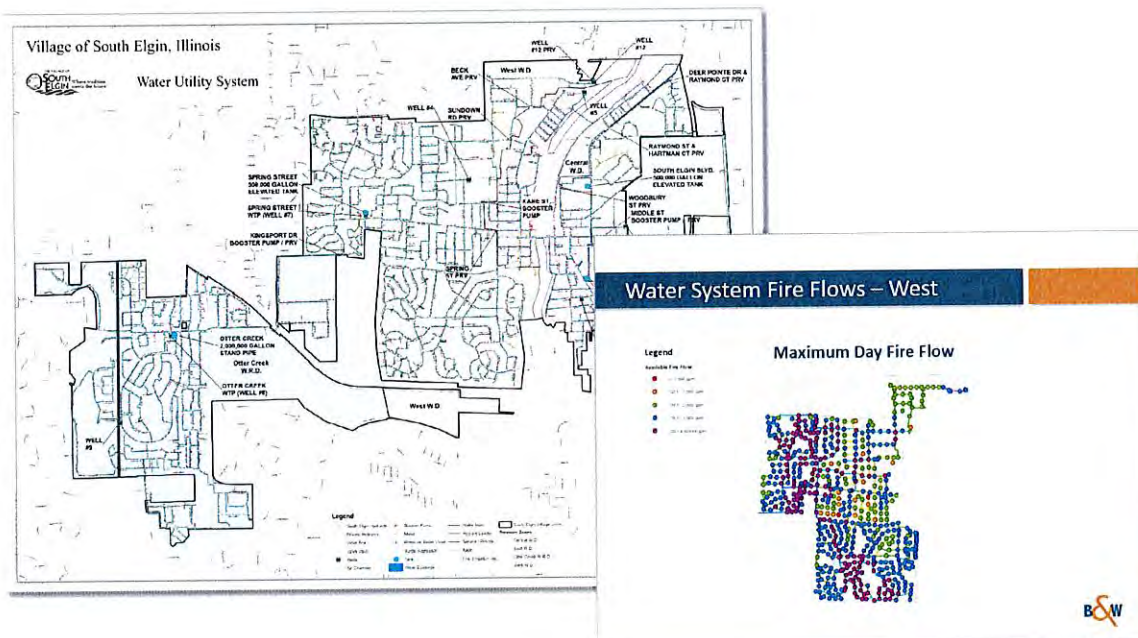
The Village is using the results of the water system study for future developments and capital improvement planning.

### HIGHLIGHTS

**COMPLETION: 2017**

**TEAM MEMBERS:** Lauren Schuld and Carolyn Grieves

**CLIENT CONTACT:** Dan Mann,  
Superintendent of Water &  
Sewer  
(847) 695-2742  
dmann@southelgin.com





**CITY OF JOLIET, IL****Water System Improvements**

The City hired Baxter & Woodman to conduct a thorough review of its water system with the goal of developing a five-year capital improvement program to be funded by an IEPA low-interest loan. Projects were prioritized by analyzing water main breaks and criticality, existing fire flows, and number of customers. Twenty-three projects were selected for the five-year program with a total estimated cost of nearly \$37 million. Baxter & Woodman prepared a project planning report and obtained IEPA approval for the 23 projects. The scope of services also included a review of the City's existing GIS system. Program Year One included design and construction engineering for the replacement of approximately 22,000 lineal feet of water main (4- to 16-inch diameter) and appurtenances distributed across five project areas. Years two and three have similar scopes of work, each including \$7M worth of water main improvements.

**HIGHLIGHTS****COMPLETION:** Ongoing**CONSTRUCTION COST:**  
\$25.4M**TEAM MEMBERS:** Lauren Schuld, Sean O'Dell, Steve Verseman, Carolyn Grieves, Dennis Dabros, and Tony Bianchin**CLIENT CONTACT:** Allison Swisher, Public Utilities Director  
(815) 724-4222  
aswisher@jolietcity.org**VILLAGE OF WHEATON, IL****Wheaton Sanitary District North Side Interceptor**

Wheaton Sanitary District owns and operates a sanitary sewer transmission pipe called the North Side Interceptor. This interceptor serves the northeast and central portions of the District's service area, including the Village of Wheaton, Village of Carol Stream, and Milton Township. The new interceptor will be 5.3 miles long, increase capacity, improve maintenance access, and minimize disturbance to environmentally sensitive areas. The interceptor will range in size from 24-inch to 54-inch diameter. The project consists of preparing a route study and providing preliminary and final design.

Services have also included coordination with 17 different permitting agencies, easement negotiations with 40 different property owners, hydraulic modeling for capacity analysis, flow metering, smoke testing, and value engineering. Construction began in 2017 and is expected to last five years. Total project costs are estimated at \$40M.

**HIGHLIGHTS****COMPLETION:** Ongoing**CONSTRUCTION COST:** \$40M**TEAM MEMBERS:** Tony Bianchin, Steve Verseman, Sean O'Dell, and Dennis Dabros**CLIENT CONTACT:** Stephen Maney, Senior Advisor  
(630) 668-1515  
maney@wsd.dst.il.us



**VILLAGE OF HOMEWOOD, IL****City of Harvey Water System Evaluation**

The Village of Homewood receives potable water from the City of Chicago through the City of Harvey. In turn, water from Homewood is supplied to the Village of Flossmoor. As part of its contract agreement with the City of Harvey, the Village of Homewood is afforded the authority to conduct inspections of the facilities that provide drinking water to the Villages of Homewood and Flossmoor.

In late 2014, the Village of Homewood exercised its right to inspect Harvey's drinking water facilities and retained Baxter & Woodman to complete an assessment of the major physical components of Harvey's drinking water system including the following items:

- ICCR Pumping Station (2.9 MGD)
- CJ O'Connor Pumping Station (28 MGD)
- Storage Tank Inspections
  - ◊ 600,000 Steel Ground Level Reservoir
  - ◊ 3.0 MG Reinforced Concrete Ground Level Reservoir
  - ◊ 5.0 MG Reinforced Concrete Ground Level Reservoir
  - ◊ 6.3 MG Reinforced Concrete Ground Level Reservoir
  - ◊ 1.0 MG Steel Elevated Tank

**HIGHLIGHTS****COMPLETION: 2016**

**CLIENT CONTACT: John Schaefer, Director of Public Works**  
**(708) 206-3470**  
**jschaefer@homewoodil.gov**

**Major Recommendations:**

1. Review need for IC Pumping Station or make extensive repairs.
2. Improve operations for chlorine feed to maintain consistent entry to distribution system chlorine residuals.
3. Make repairs to the concrete ground level reservoirs at CJ O'Connor Pump Station.

The completed assessment included comprehensive architectural, electric, mechanical, and structural system review of two pumping stations and the four ground level reservoirs. Inspection of the elevated tank was omitted from the scope since the tank had recently been painted.

In addition to general condition assessments, the comprehensive review included specialty testing and analyses of the electrical components, ground level reinforced reservoirs, and booster pumps as noted below:

- Booster pumping equipment inspections included pump testing and vibration analyses of the operating equipment at the CJ O'Connor Pumping Station.
- Electrical assessments included infrared thermography inspections of all electrical connections and appurtenances, along with generator load-bank testing.
- Reinforced concrete ground level reservoir inspections included a physical inspection of the exterior of the tanks, including foundations, walls, roof, overflows, and vents; robotic ROV inspection of the interior below water surfaces; and a raft inspection of the above water sidewalls and ceiling.



**VILLAGE OF PLAINFIELD, IL****Naperville Road Water Main Extension**

Baxter & Woodman provided planning, design, and construction services for the installation of approximately 16,000 feet of 24-inch water main from the Village's main pumping station south to downtown Plainfield. The new transmission main parallels an existing 12-inch distribution main along Plainfield-Naperville Road from 127th Street to Illinois Route 59. The project included approximately 400 feet of steel casing pipe to be bored and jacked or rammed into place, various interconnects to the existing distribution main, and a crossing of the EJ&E Railroad. Permits were required by Plainfield Township, IDOT, EJ&E, IEPA, and Will County Highway Department.

Before design, we completed a detailed alternative analysis and preliminary design report for the project. Our team worked with Village staff over a number of meetings to determine the most cost-effective route that would keep homeowner disruption to a minimum. During preliminary design, we submitted an application for an IEPA low-interest loan. The Village was able to get 25% loan forgiveness (a savings of \$600,000) for this project due to fast-tracked design during the ARRA call for projects in 2009.

**VILLAGE OF BEDFORD PARK, IL****Central Avenue Pumping Station**

The Village of Bedford Park owns and operates four drinking water pumping stations that receive Lake Michigan water from the City of Chicago. The Central Avenue Pumping Station was constructed in 1959 with a 3.0 MG reservoir. This station serves as a back-up to the system's primary pumping station.

The project consisted of the design and construction engineering of a new pumping station, rehabilitating the reservoir, replacing a meter vault, site piping, and demolishing the existing pumping station. The pumping station was designed with a maximum capacity of 40 MGD and firm capacity of 32.5 MGD.

There are six vertical split-case pumps (four 7.5 MGD, two 5.0 MGD) running on variable frequency drives.

The pumping station is located adjacent to proposed hotel and conference developments. The architecture of the new pumping station was designed to blend with the existing reservoir and the proposed adjacent high-scale developments.

**HIGHLIGHTS****COMPLETION: 2013****CONSTRUCTION COST: \$3.1M****TEAM MEMBERS: Sean O'Dell  
and Steve Verseman****CLIENT CONTACT: Allen  
Persons, Director of Public  
Works  
(815) 436-3577  
apersons@goplainfield.com****HIGHLIGHTS****COMPLETION: 2018****CONSTRUCTION COST: \$6.4M****TEAM MEMBERS: Sean O'Dell  
and Dennis Dabros****CLIENT CONTACT: Chris  
Lesniak, Water Department  
Superintendent  
(708) 458-2067  
chris@villageofbedfordpark.  
com**



MUNICIPALITY	PROJECTS WITHIN THE LAST 10 YEARS
Beecher	Water Supply Well No. 5 Construction
Bloomington	St. Peter Water Supply Wells
Carol Stream	Water Supply Well No. 2 Pump Re-Permitting
Carpentersville	Well No. 8 Investigation and Construction
Carpentersville	Well No. 8 Trans. Main, Well House, and Well Pump
Cary	Well Nos. 8, 9, and 12 Rehabilitation
Cary	Water Supply Well No. 13 Pumping Equip.
Cary	Well No. 6 and 11 Rehabilitation
Cary	Well Nos. 3 and 10 Rehabilitation
Cary	Well No. 8 Rehabilitation
Cary	Well No. 11 Rehabilitation
Cary	Well No. 9 Rehabilitation
Cary	Well Nos. 4 and 9 Rehabilitation
Cary	Well No. 12 Rehabilitation / Well 5 Abandonment
Cary	Well No. 13 Rehabilitation
Cherry Valley	Water Supply Well No. 6 Construction
Crest Hill	Water Supply Well No. 1 Rehabilitation
Crest Hill	Water Supply Well No. 12
Crest Hill	Water Supply Well No. 12 Pumping Equipment
Crest Hill	Water Supply Well No. 1 Pumping Equipment
Fox River Grove	Water Supply Well No. 4
Fox River Grove	Water Supply Well No. 5
FWRD	Well Nos. 3 and 4 (in WTP specification)
FWRD	Test Hole Drilling (no specs or bidding)
Gilberts	Water Supply Well Nos. 5 and 6 Construction
Grayslake	Water Supply Well Nos. 1 and 3 Abandonment
Huntley	Water Supply Well No. 11
Huntley	Water Supply Well No. 11 Pumping Equipment
Island Lake	Walnut Glen Test Well
Island Lake	Water Supply Well No. 9 Rehabilitation
Lake in the Hills	Shallow Water Supply Well No. 17 Exploration
Lake in the Hills	Water Supply Well No. 17
Lake in the Hills	Water Supply Well No. 17 Pumping Equipment
Lakewood	Water Supply Well No. 4
Lakewood	Water Supply Well No. 4 Pumping Equipment
Lakewood	Water Supply Well No. 6 Drilling and Pumping Equipment
Maple Park	Water Supply Well No. 6 and Pumping Equipment
Marengo	Water Supply Test Well Drilling
Marengo	Water Supply Well No. 8
Marengo	Water Supply Well No. 8 Pumping Equipment
McHenry	2003 Test Well Drilling Program
McHenry	Water Supply Well No. 12 Drilling, Pumping Equipment
McHenry	Water Supply Well No. 13 Construction
McHenry	Water Supply Well Nos. 2 and 3 Rehabilitation
Mission Brook SD	Water Supply Well Nos. 1 and 4 Abandonment
Palatine	Water Supply Well No. 16 Abandonment
Park Forest	Water Treatment Plant Improvements
Plainfield	Water Supply Well No. 5 Rehabilitation
Rochelle	Water Supply Well No. 11
Rochelle	Water Supply Well No. 11 Pumping Equipment
Rochelle	Water Supply Well No. 5 Abandonment
Round Lake	Well No. 3 Rehabilitation
Shorewood	Water Supply Well No. 8 Construction
South Elgin	Well Nos. 11 and 12 Investigation and Construction
South Elgin	Well No. 12 Pumping Equipment
Streamwood	Well No. 3 Rehabilitation
Woodstock	2007 Test Well Drilling

### DEEP WELL EXPERIENCE:

Baxter & Woodman, *Eric Murauskas specifically, has managed, designed, and observed construction for over 100 drinking supply well improvement projects in 37 Illinois and Wisconsin communities.* Shown at the left is a list of Illinois well projects from the last 10 years followed by additional relevant project examples from within the last five years.





## CITY OF BLOOMINGTON, IL

### St. Peter Aquifer Water Supply Wells

Baxter & Woodman, Inc. provided the study, analysis, and design to address the water supply challenges of the City.

The City of Bloomington faced several water supply challenges:

- **Vulnerability to Drought** - Surface water supplies like Bloomington's are vulnerable to drought. The large surface area loses water through evaporation, and at the same time, contaminants are more highly concentrated in the remaining water.
- **Decreased Water Quality/Nitrates** - The Evergreen Lake and Lake Bloomington watersheds are primarily agricultural areas, and the water supply is high in nitrates, particularly due to fertilizers and decomposition of plants and animal wastes in runoff from the surrounding areas. Nitrate concentrations in Lake Bloomington are frequently above the Maximum Contaminant Level (MCL) of 10 mg/L as regulated by the United States Environmental Protection Agency (USEPA).
- **Increasing Water Demand** - The population of Bloomington and surrounding areas is increasing, and with it, the average and maximum daily water demands. Currently, 80,000 customers in Bloomington, Towanda, Hudson, and Bloomington Township rely on water from Lake Bloomington and Evergreen Lake.
- **Decreased Storage Capacity** - Silt from erosion and runoff is gradually filling in the lakes decreasing the storage capacity. The City has done some bank stabilization on Evergreen Lake and the Mackinaw River tributaries to reduce sediment loading. However, siltation still continues, and as silt takes up more volume in the lakes, it will continue to reduce the lakes' storage capacities.

#### HIGHLIGHTS

**COMPLETION: 2019**

**TEAM MEMBER: Eric Murauskas**

**CLIENT CONTACT: Timothy Gleason, City Manager  
(309) 434-2240  
tgleason@cityblm.org**

### Study

The purpose of the study is to justify deep wells as an effective solution to increase reliability of the City's water supply and improve water quality, to show that deep well pumping will not impact shallow wells, and to address public concerns about impacts of the project.

### Solution

The project consists of design and construction services to drill, develop, and test two St. Peter sandstone aquifer water supply wells for the City. Each well was constructed to a depth of approximately 2,100 feet. The wells will be used as a blending source with the City's surface water supply to improve overall water quality as well as provide additional water supply capacity. The work was followed closely by the Illinois State Water Survey as a research project since there are very few deep sandstone aquifer wells in that region of Illinois. This project was completed in 2019.



## VILLAGE OF WESTERN SPRINGS, IL

### Water Supply Well No. 5

The project consisted of design and construction services to drill, develop, and test a new Galesville sandstone aquifer water supply well for the Village. The new well was necessary to provide adequate water supply capacity to meet current and future needs. The project also included a well interference analysis between the Village's existing Well Nos. 3 and 4 along with proposed Well No. 5. This was accomplished by test pumping each well while monitoring water levels in the other. The results showed that only minimal interference will be observed when all three wells are pumped simultaneously. This project was completed in January 2019.

#### HIGHLIGHTS

**COMPLETION: 2019**

**TEAM MEMBER: Eric Murauskas**

**CLIENT CONTACT: Matt Supert, Director of Municipal Services**  
**(708) 246-1800 x205**  
**msupert@wsprings.com**

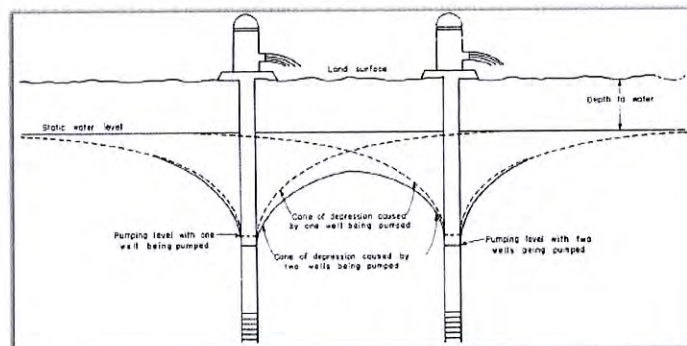
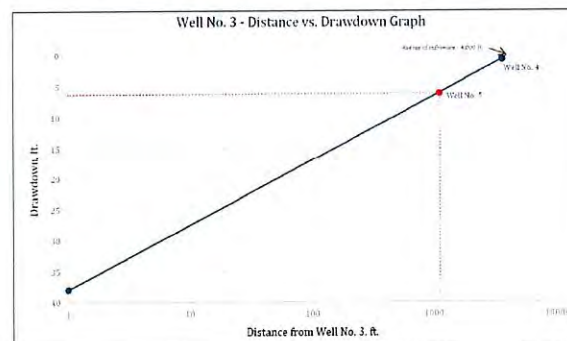


Figure 4 - Diagrammatic section of two closely spaced pumping wells showing mutual interference between wells and the resulting cones of depression. Source: Kansas Geological Survey Bulletin 176.





## Joliet Alternative Water Source Study

The City of Joliet has completed a study to evaluate alternative water sources for its future water supply. It is projected the current water source will run out of water by 2030, so it is critical the City take immediate action. Due to the urgency and significant impact to residents, Images, Inc. branded this initiative, Rethink Water Joliet. This name along with a logo will identify this project through construction completion and beyond.

In phase one of the study, the City looked at all possible sources of water to supply the future needs of the City and potentially the region. This resulted in five alternatives moving into phase two for further analysis. The project team worked closely with City staff, an Environmental Commission and the City Council throughout this study. This resulted in the City Council selecting Lake Michigan water as their future water source.

To ensure the residents, property owners and businesses were aware of this process, Images, Inc. developed a comprehensive outreach plan. This included development and maintenance of a project specific website, monthly social media posts, maintenance of a stakeholder list, email notifications, design of billboards, creation of newsletters, post cards, flyers and posters, creation, implementation and analysis of a water knowledge survey, media outreach through interviews, articles and press releases and a public meeting. Several presentations were created for staff use when speaking at community meetings, chamber events, and conferences. The message was taken to the public through participation at numerous local events and festivals and giveaways were branded to further build awareness. Many items were also produced in Spanish.



**IMAGES INC.**

public involvement • strategic communications • signage

### Client

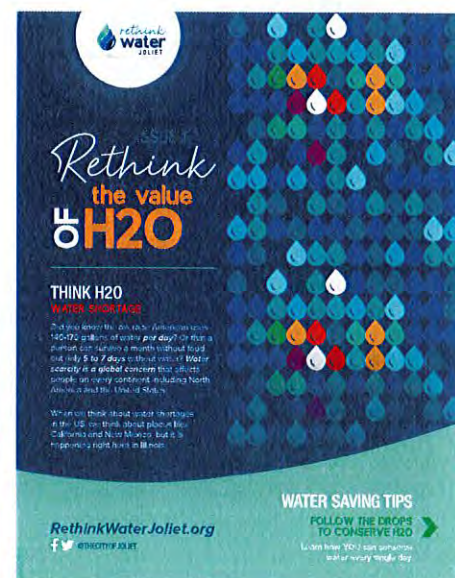
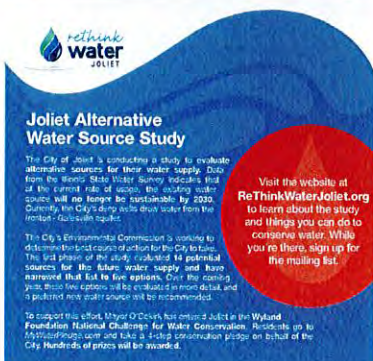
City of Joliet, Illinois

### Date

August 2018 - January 2020

### Type

Planning Study





## Illinois High-Speed Rail (Chicago – St. Louis)

Images, Inc. has led the High-Speed Rail branding and awareness campaign since its inception in 2010, putting forth a new image to fit the modern age of rail travel. Through our research, we identified that safety was a key concern for the public. Our campaign successfully raised awareness about the safety and efficiency of High-Speed Rail. Most of our constituents—even those directly along the route—had no idea that most of the upgrades were safety improvements, including enhanced crossings with pedestrian and four-quadrant gates and an improved signal system. Once we developed and implemented a creative and effective brand and campaign, the stakeholders began to have a better understanding of the goals of the program and more realistic expectations of timeframes and end results as well as enthusiasm for the entire project. We developed and held training workshops for Amtrak employees to improve service at all levels. In addition, we participate in hundreds of community outreach events promoting High-Speed Rail, manage social media marketing, developed curriculum on rail safety for to school kids k-12, rail-car branding, station upgrades, comment management, as well as extensive community and business outreach.



**IMAGES INC.**

public movement • strategic communications • strategy

### Client

Illinois Department of Transportation

### Date

July 2010

### Duration

Ongoing

### Location

Springfield, Illinois

### Type

PMO - Phase I, II, and III

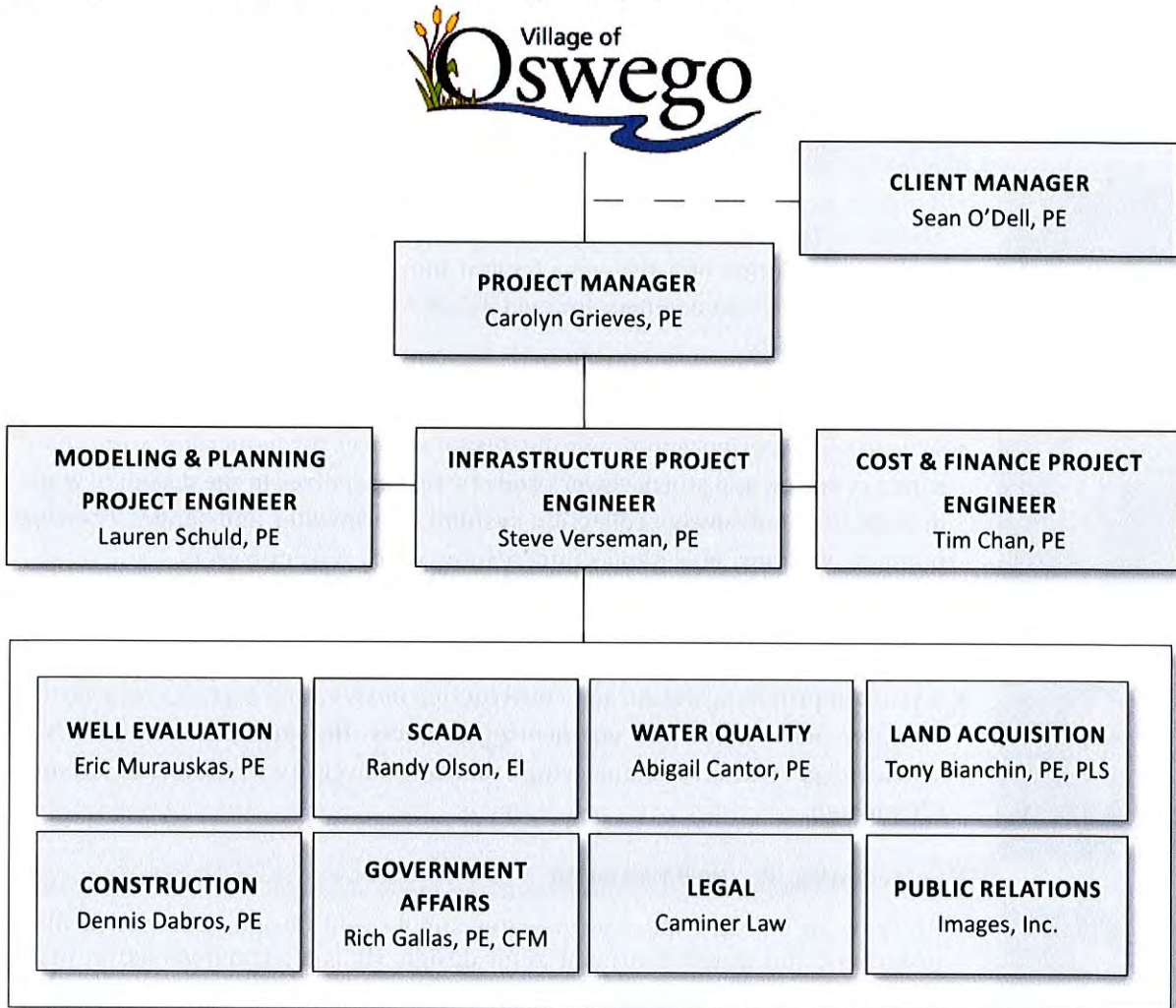




## PROJECT TEAM

Project success relies on our ability to collaborate with your staff and address your project goals. An organizational chart of the key project team and resumes of their relevant qualifications have been included for your review. The Village will be served by a full-service project team, with the support of Images, Inc. to provide public relations, Caminer Law to provide legal, and Abigail Cantor to provide water chemistry.

*Key staff resumes have been included in the Appendix for your review.*





**Carolyn Grieves, PE - Project Manager**

- 24 years of experience in designing water supply, treatment, and distribution systems. She has helped many local communities evaluate Lake Michigan water suppliers, including Western Springs. She has managed large water system models and master plans for over 20 local communities.

**Sean O'Dell, PE- Client Manager**

- 18 years of experience in providing an efficient evaluation of both water supply alternatives and accurate projection of capital cost. He has helped many local communities evaluate Lake Michigan water suppliers, including Plainfield, Shorewood, and Oak Forest. He has managed large water main design projects for over 25 local communities.

**Lauren Schuld, PE - Modeling & Planning Project Engineer**

- 8 years of experience with assisting with water system evaluations for Elmhurst, Deerfield, Hillcrest, and South Elgin. She served as Project Engineer for the completion of a five-year Capital Improvement Plan for Joliet. Lauren was the lead design engineer for over \$21M worth of water main in the City of Joliet since 2016.

**Steve Verseman, PE - Infrastructure Project Engineer**

- 42 years of experience in providing design services for numerous water main, sanitary sewer, and storm sewer projects. He specializes in the design of water distribution and sewage collection systems, stormwater and sanitary sewage pumping stations, sewer and sanitary interceptor sewer projects.

**Tim Chan, PE - Cost & Finance Project Engineer**

- 6 years of providing design and construction observation services on a variety of water and wastewater engineering projects. He earned his bachelor's of science degree in civil engineering from the University of Illinois at Urbana-Champaign.

**Eric Murauskas, PE - Well Evaluation**

- 31 years of strong expertise in water supply well design, test well drilling programs, and water treatment plant design. He is also well-versed in many other areas, including municipal services, stormwater drainage studies, sewer system design, sanitary sewer evaluation studies, sanitary sewer flow monitoring, and sanitary sewer rehabilitation.

**SCADA - Randy Olson, EI**

- 6 years of experience working in the water/wastewater and manufacturing industries as an electrical engineer. He specializes in proactive continuous improvement initiatives and electrical troubleshooting of automated equipment. Randy successfully integrated power supplies and surge suppression in each of the Village of Oswego's existing SCADA Well Panels.



**Tony Bianchin, PE, PLS - Land Acquisition**

- 27 years of design and land surveying experience. His expertise includes the design of water main, roadway reconstruction, roadway realignment, storm sewer, and sanitary sewer projects. He is proficient in the preparation of right-of-way acquisition, plat, and legal description documents.

**Dennis Dabros, PE - Construction**

- 20 years of experience providing design and construction engineering and inspection services for many of our water and wastewater projects. He has worked on projects that include improvements to water main, storm sewer, and sanitary sewer systems, pumping stations, treatment facilities, roadways, and bridges.

**Rich Gallas, PE, CFM - Government Affairs**

- 25 years of public works and municipal utility leadership, most recently serving five years as the Village of South Elgin's Engineering and Public Works Director. He is a professional engineer with both private and public sector experience.

**SUBCONSULTANTS:****IMAGES, INC. - Public Relations**

- Award-winning strategic communications firm specializing in public involvement, project management, marketing, and planning.
- Full-service firm that provides leadership and strategy as well as implementation.
- Works in a variety of industries, with both public and private sector clients.

**CAMINER LAW - Legal**

- Irene Caminer brings her government experience to her practice by counseling, advising, and assisting clients on a variety of matters including drafting, editing, reviewing, and negotiating agreements.
- In addition, she assists her clients with navigating government on real estate and water matters, certifications, licenses, and permits.

**ABIGAIL CANTOR, PE - Water Quality**

- Chemical engineer specializing in water quality investigations and proactive prevention of water quality issues.
- Her skills have been applied to drinking water in municipal water systems, commercial buildings, school buildings, and private residences.
- 40 years of experience designing treatment processes for water and wastewater.



## INNOVATIVE IDEAS

### DRONE SERVICES

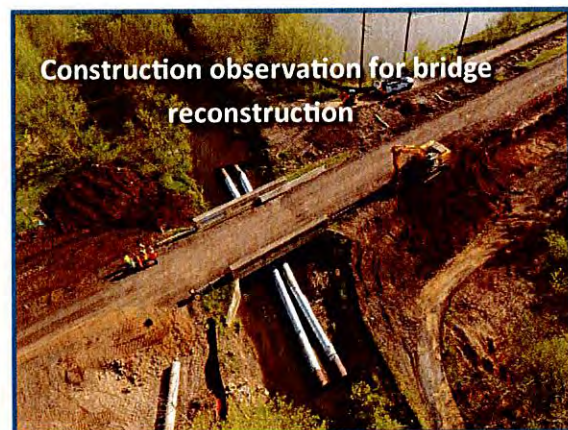
Technological advances, increased ease of use, lower costs, and improved overall functionality have turned unmanned aerial vehicles (UAVs or drones) into valuable tools.

#### Drones Are Ideal For...

- Site-Specific Aerial Mapping
- Environmental Data Collection
- High-Resolution Images and Video
- 3D Data Collection
- Thermal Imagery
- Utility Corridor Survey
- Traffic Analysis
- Hard-to-Access Areas, such as:
  - Bridge Inspection
  - Water Tower Inspection
  - Facilities (Roof) Inspection
  - Confined Space Assessment

#### Advantages of Using a Drone

- Collect data quickly and cost efficiently
- Capture aerial imagery
- Monitor project progress
- Proactively identify potential issues such as algae blooms, invasive species, etc.
- Mitigate safety risks and reduce workers' exposure in high-risk environments





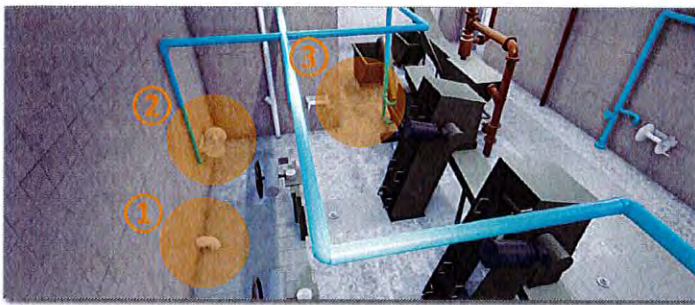
## 3D VISUALIZATION & VIRTUAL REALITY

### Proposed Design in Real Life!

Baxter & Woodman uses state-of-the-art software to turn designs into interactive 3D visual reality models. This allows your staff to review life-like project renderings during the design process. These representations can help you to make meaningful decisions or changes before the project starts construction. The attention to detail can also save you money by allowing for easy identification of conflicts and elimination of potential change orders. The examples below are of renderings from a recent Wastewater Treatment Plant Expansion project.



### Headworks Building



After viewing the 3D visual model, the client decided to move the Odor Control Unit (1) and leave out the Non-Potable Water (NPW) hose bib (2). The client was initially concerned that there was not enough space surrounding the area adjacent to the Screenings Washer/Compactor (3), but concluded it was fine after reviewing the 3D visual model.

### Virtual Reality



Baxter & Woodman uses virtual reality with 3D renderings to help our clients “walk through” the proposed improvements.

### Non-Potable Water Building



Safety issues were evident after reviewing this 3D visual model. The client decided that overflow for the NPW Break Tank (1) was an overhead hazard and that the Hydropneumatic Tank (2) should be moved to another structure to provide enough walking space.

### Sludge Thickener Building



After reviewing the 3D model, the client determined adding a door (1) would provide ease of access to the Secondary Clarifiers and Return Activated Sludge/Waste Activated Sludge Pump Station.

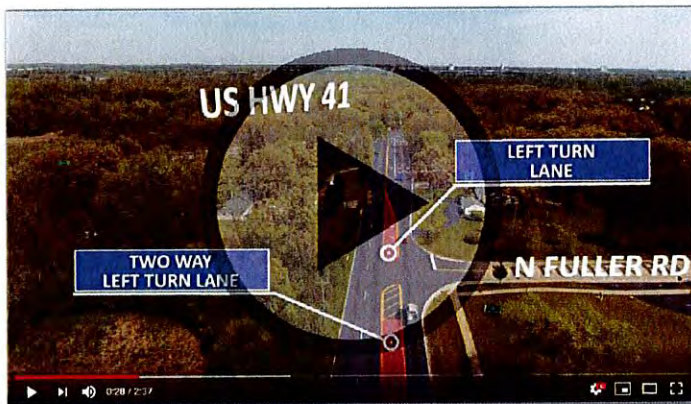


### 3D RENDERINGS & VIDEO VISUALIZATION

#### Bring Your Projects to Life!

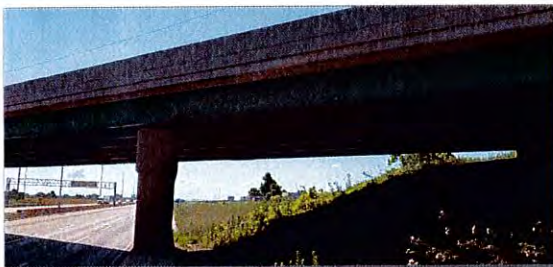
Baxter & Woodman has in-house visualization staff capable of developing 3D renderings and video visualization of proposed improvements. These pictures and videos serve as a useful tool for public outreach meetings, and for our clients and stakeholders to visualize abstract and concrete alternatives - bringing the project to life!

Our visualization portfolio includes interactive videos showcasing site concerns and project alternatives overlaid on top of our drone footage captured by Baxter & Woodman's certified drone pilots.



Baxter & Woodman created public outreach videos for Lake County Division of Transportation and received the following reaction from County Engineer Shane Schneider PE *"This...is...awesome."*

Watch our visualization video of Lake County Division of Transportation Stearns School at US Highway 41 project by visiting [baxterwoodman.com/LCDOTProposed](http://baxterwoodman.com/LCDOTProposed).



Existing Conditions - US Route 20 over I-90



Proposal Alternative - MSE Wall Abutment



Existing Conditions - Crawford Avenue at Lyons Street, Lake IL



Proposal Alternative - Pedestrian Crosswalk Accommodations



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## CONFLICT OF INTEREST STATEMENT

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Baxter & Woodman, Inc. does not have any relationships or potential conflicts of interest in regards to the Village of Oswego's Alternate Water Supply project. In the last five years, Baxter & Woodman and its subsidiary, Concentric Integration, has provided the following services to:

- City of Chicago Water Management - SCADA System Maintenance
- City of Joliet - Water System Engineering (Annual Water Main and Meter Replacement)

Additionally, Baxter & Woodman, Inc. does not have any contractual relationships within the past five (5) years with entities that responded to the Village's Request for Information issued during the Phase I and II study as water supply alternatives.

Baxter & Woodman, Inc. will provide the Village of Oswego written notice of any professional relationships that may pose a potential conflict of interest.

Regarding the Village of Oswego's Alternative Water Source Evaluation Request for Qualifications, Images, Inc. offers the following information: While we see no direct conflict of interest on this project, Images, Inc. has completed prior work with the City of Chicago (not related to a water source project) and is currently working on the City of Joliet's Alternative Water Source Program.



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## APPENDIX A: RESUMES

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## **Education**

M.S., Environmental  
Engineering  
University of Iowa, 1996

B.S., Civil Engineering  
University of Illinois at  
Champaign-Urbana, 1994

Joined Firm in 1996

Years of Experience: 24

## **Registrations**

Licensed Professional Engineer:  
Illinois

## **Honors & Awards**

2017 Kenneth J. Miller Water  
For People Founders' Award

2017 Water Professional of the  
Year, Illinois Section of the  
American Water Works  
Association

## **Professional Associations**

American Water Works  
Association – Illinois Section,  
Chair, Board of Directors

American Water Works  
Association – Illinois Section,  
Chair, Safety and Security  
Committee

American Water Works  
Association - Member of the  
AWWA Safety and Emergency  
Management Committee,  
Water Efficiency Committee,  
and Water for People  
Committee

Water Environment Federation

Carolyn specializes in the design of water supply, treatment, and distribution systems, and wastewater conveyance and treatment. She serves as project manager on numerous large, complex new water treatment plants and improvements/modifications to existing facilities. She has also studied and designed water distribution systems, as well as wastewater conveyance and treatment.

## **Representative Projects**

### **Western Springs, IL**

Project Manager, Lake Michigan Water Feasibility Study.

### **Elmhurst, IL**

#### **Water System Evaluation**

Project Manager for development of a GIS Integrated water model to identify and prioritize cost effective improvements to the Village's water system. The purpose of this report was to develop a systematic approach for making both short and long term capital improvements to improve system performance and reliability.

### **Joliet, IL**

#### **Water Model and Master Plan**

Project Manager for developing a WaterGEMS hydraulic water model in order to identify and prioritize future water system projects. The City experiences 250 main breaks a year and one of the primary goals of the water model project is to establish a long-term infrastructure replacement plan.

### **South Elgin, IL**

#### **Water System Model**

Project Manager for development of a WaterGEMS water model in order to help the Village analyze future developments and water system needs. The Village's Geographic Information System (GIS) was reviewed and updated as part of the project.

### **Deerfield, IL**

#### **Water System Master Plan**

Project Manager for the study, review, and analysis of the Village's water system with the goal of developing an efficient, economical water system plan for operations, facilities, and the distribution system. The report outlined a systematic approach for making both short and long term capital and operational efficiency improvements to help with water loss, and decrease the number of main breaks the Village experiences every year. A new WaterGEMS® hydraulic model of the Village's water distribution system was developed and utilized to assist with verification of system pressures, fire flow capabilities, and development of water main improvements.

### **Buffalo Grove, IL**

#### **Water System Model and Master Plan**

Project Manager for the evaluation of the system's available capacity and lifespan of the each of the existing facilities.



American Council of Engineering  
Companies – Environmental  
Committee

### **Continuing Education**

Hazardous Site Worker Course

“Security Planning for Drinking  
Water Systems: An Operational  
Approach”, AWWA

“Vulnerability Assessment  
Reporting (VSAT™)”, AWWA

“Bioterrorism Preparedness Bill:  
Protecting Your Assessment”,  
AWWA

“The Bioterrorism Preparedness  
Bill: What’s Next?”, AWWA

“Counter Terrorism and Security  
in the Water Industry”, AWWA

“Water Security and Emergency  
Operations”, AWWA

“Utility Risk and Resilience”,  
AWWA

### **Carpentersville, IL Water System Model**

Project Manager for the development and update of a WaterCAD model used to analyze new subdivisions, propose existing system improvements, and evaluate the impact emergency water main shutdowns on the system.

### **Crystal Lake, IL Water System Master Plan Update**

Project Advisor for the water system master plan update for the City to determine the improvements necessary to provide service for the projected growth occurring over the next 20 years, and to meet current regulatory requirements that impact the water treatment plant processes. The Master Plan also focuses on chemical, energy, capital, and operational efficiency.

### **DeKalb, IL Water System Master Plan Update**

Project Manager for the creation of a water system master plan update for the City to determine the improvements necessary to provide service for the projected growth occurring over the next 20 years.

### **Elmhurst, IL Water Model Update**

Project Advisor for calibration of water model and update in WaterCAD. Also included review of existing DBRP sampling sites and selection of new sites.

### **Glenview, IL Water System Strategic Planning**

Project Manager for the development of a systematic approach for making capital improvements and operational modifications intended to meet the Village’s water supply needs and optimize operations. The Village’s primary concerns included meeting or exceeding water quality standards, ensuring reliable supply and service to its residents, businesses and potential new bulk customers, maintaining adequate pressures and fire flows, and improving the system efficiency and cost effectiveness.

### **Itasca, IL Water System Model**

Project Manager for the creation of a water system model and report for the Village, which included hydrant testing, creating the model from GIS plans and the Village assistance, and model calibration.

### **Lake in the Hills, IL Water System Study and Update**

Project Manager for the evaluation of the existing water system model and determination of recommended improvements.

### **Palatine, IL Water System Model and Study**

Project Advisor for a distribution system review to develop a water model for the Village.



**Education**

B.S. Civil Engineering,  
Bradley University, 2002

Joined Firm in 2002

Years of Experience: 18

**Registrations**

Licensed Professional Engineer:  
Illinois

**Honors & Awards**

2015 APWA National  
Young Leader Award

2014 Young Leader Award,  
APWA Chicago Metro Chapter

**Associations**

2017 President of Chicago  
APWA Metro Chapter

2015 Vice President of Chicago  
APWA Metro Chapter

2014 Treasurer of Chicago  
APWA Metro Chapter

2013 President, APWA  
Southwest Branch of Chicago  
Metro Chapter

Illinois Public Service Institute  
Advisory Committee Member &  
2013 Graduate

Illinois Section of AWWA  
(YP Committee)

IWEA, WEF

Sean's focus and expertise is in the planning, design, and rehabilitation of water and wastewater infrastructure. He works closely with municipalities and sanitary districts on planning infrastructure to serve growth and redevelopment areas. Sean's experience with a variety of water, wastewater, stormwater management, and transportation projects has made him proficient in master planning, design, watershed modeling, survey, and GPS. Sean leads the firm's Global Water Group and is also a member of our Trenchless Technology Committee, which meets regularly to discuss and evaluate the industry's newest trenchless construction methods and materials. He is certified in evaluating sewer structural conditions through the PACP (Pipeline Assessment and Certification Program).

**Representative Projects****Plainfield, IL****Lake Michigan Water Transmission Main - Design/Build**

Project Engineer for the design and construction of approximately 12,500 lineal feet of 20-inch water main and 1,050 lineal feet of 18-inch sewer. This transmission main allowed the Village to convert from a deep well system to a Lake Michigan Water supply. The improvements were constructed along 127th Street from Illinois Route 59 east to Essington Road, where the Village connected to a 20-inch water main on the northeast corner of 127th Street and Essington Road in the Village of Bolingbrook. The project required obtaining easements along the north and south sides of 127th Street to accommodate the sewer and water main. The water main and sewer were installed in jacked casings across Illinois Route 59. The project also required permitting with the IDNR and the Army Corps of Engineers to install the water main by open cut across the DuPage River.

Project Engineer for design and construction for trunk sewer improvements completed in conjunction with a water transmission main project. The project included open cut installation and jacking in a steel casing under Illinois Route 59. The 18-inch trunk sewer was approximately 1,050 feet in length. This project was planned in the Sanitary Sewer Master Plan that was created by Baxter & Woodman.

**Joliet, IL****Five-Year Water Main Improvement Program**

Project Manager for development of a five-year capital improvement program funded by an IEPA low-interest loan. Projects were prioritized by analyzing water main breaks and criticality, existing fire flows, and number of customers. Twenty-three projects were selected for the five-year program with a total estimated cost of nearly \$37 million. Baxter & Woodman prepared a project planning report and obtained IEPA approval for the 23 projects. The scope of services also included a review of the City's existing GIS system and a memo summarizing recommended improvements to the City database.

**Plainfield, IL****Plainfield-Naperville Road Water Transmission Main**

Project Manager for the installation of approximately 16,000 feet of 24-inch water main from the Village's main pumping station south to Downtown Plainfield. The project included approximately 400 feet of steel casing pipe to be bored and jacked



## Papers/Presentations

### Water Main Rehabilitation:

- AWWA National Distribution Conf, September 2013 (Itasca, IL)
- SPWDA, August 2013 (Flossmoor, IL)
- B&W Client Seminar, March 2013 (Itasca, IL)
- MSTT, April 2012 (Joliet, IL)
- ISAWWA Webinars - January 2012, August 2011 (web only)
- NASTT, No-Dig Show, March 2012 (Nashville, TN) (co-writer)
- IIT Graduate Seminar, November 2011 (Chicago IL)
- ISAWWA Watercon, March 2011 (Springfield, IL)
- APWA, Chicago Metro Expo, May 2010 (Schaumburg, IL)

### Inflow and Infiltration Removal – Public and Private Property:

- APWA, Southwest Branch Seminar, April 2012 (New Lenox, IL)

### Lake Michigan Water Conversion and Pumping Station Design:

- ISAWWA Annual Conference, March 2008 (Springfield, IL)
- APWA, Southwest Branch Awards, January 2008 (Joliet, IL)

## Project Awards

Village of Plainfield, IL – Lake Michigan Water Conversion

- APWA, Southwest Branch Awards, January 2008 (Joliet, IL)

or rammed into place, various interconnects to the existing distribution main, and a crossing of the EJ&E Railroad. Permits were required by Plainfield Township, IDOT, EJ&E, IEPA, and Will County Highway.

### Water Main Lining Experience:

Sean O'Dell is at the forefront of infrastructure rehabilitation techniques that are efficient and cost-effective for local communities to implement, including water main lining. Sean is a known expert in this new technique and has assisted many communities with training, feasibility reviews, design and construction engineering, as well as QA/QC review of municipal designs. He has completed water main lining design engineering for the following communities:

Oak Park, IL	Crest Hill, IL	Buffalo Grove, IL	Glen Ellyn, IL
Park Forest, IL	Grayslake, IL	La Grange, IL	Lincolnshire, IL
Lisle, IL	Glenview, IL	River Forest, IL	Highwood, IL

### Aqua Illinois

#### Trenchless Technology Rehabilitation Feasibility Study

Project Manager - Aqua Illinois owns and maintains the City of Kankakee's water system. Baxter & Woodman evaluated numerous technologies for the rehabilitation or replacement including cured-in-place pipe (CIPP) and pipe bursting. Detailed evaluation revealed that rehabilitation by CIPP was both feasible and cost effective. In addition, all work would need to be completed prior to IDOT's resurfacing of Court Street, scheduled for the Fall of 2011. The abbreviated schedule associated with CIPP would benefit Aqua.

### Downers Grove, IL

#### 55<sup>th</sup> Street Water Main Lining

Quality Assurance/Quality Control (QA/QC) review services for the Village, designed plans and specifications to rehabilitate the water main on 55<sup>th</sup> Street from Fairview Avenue to Blodgett Avenue using cured-in-place-pipe (CIPP) lining.

### Oak Park, IL

#### I-290 Water Main Slip-lining

Project Manager for this award-winning, fast-tracked water main rehabilitation using trenchless slip-lining under I-290 expressway. A two-week improvement completion facilitated the advancing progress of the I-290 2010 road resurfacing project.

### Glen Ellyn, IL

#### Oak/Euclid/Forest Roadway and Prairie Western Alley Improvements

Infrastructure Engineer for water main lining (CIPP) of 2,200 feet of 6-inch cast iron pipe. The project included temporary water service for 22 homes and coordination with the General Roadway contractor.

### Lisle, IL

#### Ogden, Warrenville, and Yackley Water Main Lining

Project Manager for a three-phase water main rehabilitation project for the Village over a two-year period. The project included Class IV, fully-structural, cured-in-place-pipe (CIPP) for three key water mains for the Village. Over 4,000 feet of water main was lined and 200 feet was horizontal directional drilled (HDD). The project also included communicating with residents, coordinating with the Village's and County's Street Program schedules, construction staging, and restoration activities.



### **Education**

B.S., Civil Engineering  
Bradley University 2012

Joined Firm in 2012

Years of Experience: 8

### **Certifications**

Licensed Professional Engineer:  
Illinois

Lauren earned her Bachelor of Science degree in Civil Engineering from Bradley University of Illinois. Her coursework included sustainability and public policy, introduction to environmental engineering, sustainable transportation systems, groundwater hydrology, geotechnical engineering, design of steel structures, and sustainability and environmental regulations. Since joining Baxter & Woodman, Lauren has demonstrated her proficiency by providing design and construction observation services on a variety of water and wastewater engineering projects.

### **Representative Projects**

#### **Joliet, IL**

##### **Water Model and Master Plan**

Project Engineer developing a WaterGEMS hydraulic water model in order to identify and prioritize future water system projects. The City experiences 250 main breaks a year and one of the primary goals of the water model project is to establish a long-term infrastructure replacement plan.

#### **Joliet, IL**

##### **Water Main Improvement Program**

Project Engineer for the City's Year 1 water main replacements, which included replacement of 22,000 feet of water main throughout the City. Project included open cut, directional drilling, and water main lining.

#### **Deerfield, IL**

##### **Water System Master Plan**

Project Engineer for the study, review, and analysis of the Village's water system with the goal of developing an efficient, economical water system plan for operations, facilities, and the distribution system.

#### **Elmhurst, IL**

##### **Water System Evaluation**

Project Engineer for development of a GIS Integrated water model to identify and prioritize cost effective improvements to the Village's water system. The purpose of this report was to develop a systematic approach for making both short and long term capital improvements to improve system performance and reliability.

#### **South Elgin, IL**

##### **Water System Model**

Project Engineer for development of a WaterGEMS water model in order to help the Village analyze future developments and water system needs. The Village's Geographic Information System (GIS) was reviewed and updated.

#### **Rolling Meadows, IL**

##### **Water Model and Master Plan Update**

Project Engineer for rebuilding and updating the City's WaterGEMS model so the new model coordinated with the City's GIS. The updated model is used to help develop recommended water system improvements plans to address immediate and long term water system needs.



#### **Hillcrest, IL**

##### **Water Model and Master Plan**

Project Manager for development of a GIS-integrated water model to identify and prioritize cost effective improvements to the Village's water system. The purpose of this report was to develop a systematic approach for making both short and long term capital improvements to improve system performance and reliability.

#### **Clarendon Hills, IL**

##### **Water Main Replacement**

Project Engineer for replacing all water mains in the Stonegate Subdivision in the north part of the Village. The Village had experienced an increasing number of water main breaks over the last four years, the majority of which were attributed to corrosion. Project was designed in 60 days with all permits received in 90 days. This project included over 5,000 feet of water main replacement and rehabilitation (CIPP lining) with a tight schedule. The project needed to be designed and constructed before roadway improvements were planned to start 120 days later. The project included water main lining of a side-yard water main (alternate bid for horizontal drilling) and IDOT permits. Despite being our first design with the Village, the project was completed early and under budget (both engineering and construction).

#### **Wood Dale, IL**

##### **Mill Road STP Resurfacing and CDBG Water Main Replacement**

Infrastructure Engineer for design of STP-funded road improvements including milling, patching, and resurfacing the road, as well as ADA sidewalk ramp improvements, curb and gutter, and drainage repairs. CDBG-funded water main improvements on Mill Road included replacement and upsizing because of numerous breaks, and provided better pressure in the system on the west side of the City.

#### **Glenview, IL**

##### **ComEd Right-of-Way Crossing Water Main Improvements**

Project Engineer for the design engineering services for preparing engineering plans, specifications, and estimate of cost; and obtaining IEPA water, ComEd, NW Commission, and Cook County permits for the water main improvements crossing the ComEd right-of-way.

#### **Westmont, IL**

##### **Water Main Replacement**

Project Engineer for the design engineering services for water main replacement on North Grant Street and North Adams Street. Approximately 4,100 lineal feet of existing 6-inch water main was replaced with new 8-inch water main that included new valves, hydrants, fittings, water services, and complete surface restoration.

#### **Carpentersville, IL**

##### **LW Besinger Drive Roadway and Water Main Replacement**

Infrastructure Engineer for design of improvements, including roadway reconstruction, placement of curb and gutter, sidewalk, storm sewer, water main, street lighting, and other miscellaneous items.



**Education**

BS, Civil Engineering  
Purdue University  
West Lafayette, Indiana

Joined Firm in 1977

Years of Experience: 42

**Registrations**

Licensed Professional Engineer:  
Illinois, Indiana,  
Wisconsin

Steve is a senior infrastructure engineer who provides design services for numerous sanitary sewer, storm sewer, and water main projects. He specializes in the design of sewage collection and water distribution systems, stormwater and sanitary sewage pumping stations, water booster stations, and large diameter storm sewer and sanitary interceptor sewer projects.

Steve has extensive experience in client and department management, marketing, project management, and project engineering. He has worked closely and effectively with many clients including Mayors and City Councils, Village Presidents and Boards, private companies, engineering and administrative staff, and the public. Project experience includes preliminary studies, stormwater and water system computer modeling, design, permitting, and construction administration and observations of construction.

**Representative Projects****Wheaton Sanitary District, IL**

Project Engineer and QA/QC reviewer for the design of approximately five miles of 60-, 54-, 48-, 42-, and 24-inch sanitary sewer to replace an existing 36-inch corrugated metal pipe sanitary sewer. The design included crossings of IDOT and DuPage County highways and a heavily traveled freight and commuter UPRR right-of-way; several creek and wetland crossings; pipe installation by open-cut trenching and microtunneling; installation of 84-inch hand-mined steel casing pipe located between two residential houses; custom designed junction chambers, with a 60-inch pipe connection to the existing wastewater treatment plant influent pumping station; and multiple interconnections with existing sanitary sewers. The project included coordination with 17 different permitting or licensing agencies and the acquisition of approximately 40 easements, with design conforming to various easement requirements.

**Park Forest, IL****Water Main Improvements**

Approximately 900 lineal feet of 12-inch, 6,800 lineal feet of 10-inch, 3,400 lineal feet of 8-inch, 350 lineal feet of 6-inch, and 4-inch water main was installed in open cut trenches and directional drilled within Village streets, easements, and crossing streams and wetlands.

**Prospect Heights, IL****Water System Master Plan, Modeling and Report**

Project Manager for preparation of a Water System Master Plan for an expansion of the City's existing water system to provide Lake Michigan water to the areas of the City served by private water wells or other Lake Michigan water providers.

**Zion, IL****Route 173 Water Main Replacement**

Project involved design, construction administration, and observation for the construction of approximately 2,000 linear feet of 12-inch water main along the south side of IL Route 173 from Bethesda Boulevard to Elisha Avenue, and approximately 200 feet of 6-inch water main at various alleys and the Jewel Food Store.



**Plainfield, IL**

**Route 59 Water Main Relocation and Replacement**

Project included the replacement of approximately 7,200 lineal feet of 20-inch through 4-inch existing water main and relocation of two 12-inch water mains. Open cut and jacked casings were utilized to avoid proposed storm sewer improvements.

**Plainfield, IL**

**Route 59 Water and Sewer Improvements**

Project Manager for this two-part project consisting of one mile of new water main installation, and isolated improvements to the Village's sanitary sewer system as part of the IDOT widening and reconstruction of IL Route 59. Baxter & Woodman used IDOT plans prepared by IDOT's consultants for existing conditions and proposed improvements. The water main was upsized from 8-inch to 10-inch diameter for potential future rezoning of residential properties to commercial along IL Route 59. Baxter & Woodman was also successful with IEPA approvals in eliminating the need for a series of casing pipes adjacent to storm manholes.

**Lombard, IL**

**IL Route 53 Water and Sewer Replacements**

Project Manager for the design and preparation of construction documents for the replacement of water main system components and sanitary sewers in the area of Route 53 scheduled for reconstruction by IDOT. IDOT was reconstructing Route 53 from Crescent Avenue on the south to Sidney Avenue on the north, a distance of 1.6 miles. South of the Great Western Trail, the entire water system was replaced, a length of 3,500 lineal feet of 10-inch and 8-inch water main, including valves, services, and fire hydrants. North of the Great Western Trail, only the portions of the water system that conflicted with the IDOT improvements were replaced, mainly consisting of 33 fire hydrants and several vaults. South of the Great Western Trail, the entire sanitary sewer system was rehabilitated with CIPP, along with a several hundred feet of sewer replacement. All the sanitary sewer manholes were replaced or rehabilitated with sprayed on lining.

**Itasca, IL**

**IL Route 53 Water and Sewer Improvements**

Project Manager for design engineering services for water system and sanitary sewer system replacements along Route 53, from Nordic Road on the south to Norwood Avenue on the north. Services included locating potential conflicts between the Village's water and sanitary sewer systems, and the proposed storm sewer to be constructed as part of the IDOT Route 53 (Rohlwing Road) improvement project. The project involved a pilot tube micro-tunneled 15-inch sewer through wetland/poor soils in order to provide a stable, permanent foundation for the sanitary sewer between the bottom of the pipe and the existing stable soils below the pipe. The project also included a determination of easements required to move the water mains out of the Route 53 right-of-way, and the final design of water main adjustments and relocations, including details and drawings to be incorporated into the IDOT project documents for the Route 53 improvement project.



**Education**

B.S., Civil Engineering, University of Illinois at Urbana-Champaign, 2015

Joined Firm in 2016

Years of Experience: 6

**Certifications**

Engineer-in-Training, Illinois

**IDOT Certifications**

Documentation (Cert. 16-11790)

**Continuing Education**

Doug Cartland, Inc.

"Creating Excellence in Communication and Customer Relations" training, 2016

Tim earned his Bachelor of Science in Civil Engineering from the University of Illinois. His coursework focused on construction planning/productivity, sustainable infrastructure systems, and decision and risk analysis. Tim served as a Field Inspector Intern for IDOT's Bureau of Construction, and provided materials quality assurance and measure unit priced pay items. Since joining Baxter & Woodman, Tim has demonstrated his proficiency by providing design and construction observation services on a variety of water and wastewater engineering projects.

**Representative Projects****Schaumburg, IL****Water Model and Master Plan**

Project Engineer for development of a GIS Integrated water model to identify and prioritize cost effective improvements to the Village's water system. The purpose of this report was to develop a systematic approach for making both short and long term capital improvements to improve system performance and reliability. The project included field hydrant testing, extended period simulation, and various distribution system analysis scenarios.

**Elmhurst, IL****Water System Evaluation**

Project Engineer assisting with comprehensive evaluation of the entire water distribution system to develop and achieve a long term water system vision focusing on operational efficiency, improvements to decrease water loss and water main breaks, and improve pumping and storage operations.

**Deerfield, IL****Water System Master Plan**

Project Engineer for the study, review and analysis of the Village's water system with the goal of developing an efficient, economical water system plan for operations, facilities, and the distribution system.

**Rolling Meadows, IL****Water Model and Master Plan Update**

Project Engineer for rebuilding and updating the City's WaterGEMS model so that the new model coordinates with the City's GIS. The updated model will be used to help develop recommended water system improvements plan to address immediate and long term water system needs.

**Elwood, IL****Water Planning Report**

Project Engineer for water and wastewater facilities planning. The Facility Plan evaluated the water system's supply and demands over the next twenty years and included major development proposals, infrastructure improvements, and additional water supply sources. Goals for the study were cost-effectiveness, compliance with regulatory limits, and providing the best long-term plan for growth and development within the Village.



#### **Lincolnwood, IL**

##### **Water Pumping Station Infrastructure & Operations Evaluation/ Risk & Resilience Assessment**

Project Engineer for study to assess the existing main water pump station's infrastructure from a mechanical, operational, electrical, and SCADA perspective; determine the system's ability to handle various emergency scenarios; and evaluate costs associated with recommendations made to replace aging infrastructure or add additional components to the system. A USEPA-required risk and resilience assessment was also performed to study the risks of every part of the water system from supply to distribution including physical, cyber, and financial systems.

#### **Deerfield, IL**

Project Manager for the Village's Water and Sewer Rate Study, and development of a new water and sewer rate structure. The project included assessing the Village's historical revenues and expenses, developing a financial forecast model, and the inclusion of a five-year capital improvement project plan. Recommendations included modifying the existing rate structure to prorate expenses equitably and justifiably to the Village's customers while maintaining adequate revenues. The study also included a rate comparison survey of the Village's neighboring water and sewer rates for typical bills.

#### **Plano, IL**

Project Manager for the City's Water and Sewer Rate Study. The primary objective of the study was to re-evaluate the existing rates for the forecasted capital improvement projects as well as maintaining their senior tier rates. The City also wanted to investigate moving from a strictly volumetric rate structure to a fixed and volumetric rate structure to create a prorated schedule for its customers. Work included assessing the City's existing revenues and expenses to determine its existing capacity for additional CIP. The study also included a rate comparison survey of the Village's neighboring water and sewer rates for typical bills.

#### **Lisle, IL**

Project Manager for the Village's Water and Sewer Rate Study and development of a new water and sewer rate structure. The project also involved a capital improvement plan analysis in which a site visit was conducted to review existing infrastructure and determine any additional CIP to be included in the rate study. The Village's historical revenues and expenses were assessed and the work included developing a financial forecast model. A focus was placed on the evaluation of the existing rate structures and its equitability to the Village's customers as well as an educational component to highlight the cost of water and its aging infrastructure. The study also included a rate comparison survey of the Village's neighboring water and sewer rates for typical bills.

#### **City of Chicago Department of Water Management Pumping and Distribution SCADA Overview Screen Upgrades**

Worked with the Head of Pumping and Distribution and operators to redevelop new overview screens for SCADA that would enhance visibility from a distance, provide one-click access to key metrics, and diagnostics in the event of alarms or system irregularities.



**Education**

B.S. Civil Engineering, Iowa  
State University, 1989

Joined Firm in 1989

Years of Experience: 31

**Continuing  
Education**

Annual courses conducted by  
Marsh-McBirney that include  
instruction ranging from site  
selection and flow meter  
installation to analysis of flow  
data

Training courses in the use of  
Visual-Modflow, a software  
package for modeling  
groundwater movement

Training courses for well design  
and rehabilitation

Training courses for the use of  
WaterCAD, a software package  
for modeling water distribution  
systems

**Registrations**

Licensed Professional Engineer:  
Illinois

**Certifications**

Manhole Assessment  
Certification Program,  
NASSCO, Inc.

Lateral Assessment Certification  
Program, NASSCO, Inc.

Pipeline Assessment  
Certification Program  
NASSCO, Inc.

Eric has developed strong expertise in water supply well design, test well drilling programs, and water treatment plant design.

He also is well versed in many areas, including sanitary sewer evaluation studies, sanitary sewer flow monitoring, sanitary sewer rehabilitation, stormwater drainage studies, sewer system design, and municipal services. He has managed over 100 flow monitoring and sanitary sewer evaluation studies.

Eric completed the CIPP Inspector Training and Certification Program from NASSCO, Inc. NASSCO's Inspector Training and Certification Program (ITCP) is a new standard national training and certification program that provides field construction professionals with comprehensive learning and tools to understand and inspect trenchless pipeline renewal technology.

**Representative Projects****South Elgin, IL**

Project Engineer for the design of Water Supply Well Nos. 7 and 9.

Project Engineer for conducting a test well drilling program that ultimately resulted in the design and construction of Water Supply Well No. 10.

Conducted iron removal pilot plant testing for Well No. 6.

Project Engineer for the design of the Water Supply Well Nos. 11 and 12, and Water Treatment Plant Improvements.

Project Engineer for the Eastside Water System Improvements.

**Cary, IL**

Project Engineer for the design and construction of Water Supply Well No. 12.

Conducted iron removal pilot plant testing for Water Supply Wells Nos. 8, 9, and 11.

Project Engineer for the design of a well house expansion for Water Supply Well No. 11, which included methane removal facilities using forced draft aeration.

Project Manager for the following:

- Water Supply Wells Nos. 3 and 10 Pumping Equipment Rehabilitation Design
- Water Supply Well No. 4 Pumping Equipment Rehabilitation Design
- Water Supply Well No. 8 Pumping Equipment Rehabilitation Design
- Water Supply Wells Nos. 6 and 11 Pumping Equipment Rehabilitation Design
- Water Supply Well No. 13, Water Treatment Plant, and Reservoir Design

**Carpentersville, IL**

Project Manager and Engineer for conducting a test well drilling program which ultimately resulted in the design and construction of Water Supply Well No. 8. Shallow Well Development (test well drilling program).

**Crest Hill, IL**

Project Manager for the design of Water Supply Well No. 12.

**Crystal Lake, IL**

Project Manager for the Test Well Drilling Program (WTP No. 5)

Project Manager for the design and construction of Well Nos. 15 and 16.



## **Associations**

American Public Works  
Association

American Water Works  
Association

National Groundwater  
Association

Water Environment Federation

Project Manager for the design of Water Supply Well Nos. 15 and 16 Pump. Utilized the computer program MODFLOW to develop a wellhead protection program.

### **DeKalb, IL**

Project Engineer for the Troy Valley Groundwater Exploration (test well drilling program that ultimately resulted in the design of Water Supply Well Nos. 15, 16, and 17).

Project Manager for the design of Water Supply Well Nos. 15, 16, and 17.

Project Manager for the design of Water Supply Wells Nos. 4, 6, 8, and 9 Abandonment.

### **Fox River Grove, IL**

Project Engineer for conducting a test well drilling program that ultimately resulted in the design and construction of Water Supply Well No. 3.

Project Manager for the design of Water Supply Well No. 4.

Project Engineer for the sampling of monitoring wells to locate sources of groundwater contamination.

### **Geneva, IL**

Project Engineer for the design of replacement pumping equipment for Water Supply Well No. 7.

### **Gilberts, IL**

Project Manager for the design of Water Supply Wells Nos. 5 and 6.

### **Grayslake, IL**

Project Manager for the abandonment of Water Supply Well Nos. 1 and 3.

### **Huntley, IL**

Conducted iron removal pilot plant testing for Water Supply Wells Nos. 5, and 6.

Project manager for the design of Water Supply Well No. 11.

Project Manager for Water Supply Well No. 7.

### **County Club Hills, IL**

#### **Water System Study**

Baxter & Woodman was asked to prepare a water system master plan using WaterCAD modeling results to assess water supply, distribution, and storage. A new, large development (the Gatling Property) was under construction in the northern sector of the City, and it significantly impacted both the Lake Michigan water allocation that the City received and the storage needs. In addition, one of the elevated storage tanks (the South Tower) had operational difficulties and could not be filled, and the area near it had difficulty maintaining a chlorine residual. Using the model, we determined the fire flow impacts of adding a 500,000-gallon storage tank in the new development, removing the South Tower, and looping water mains in critical locations to improve fire flows. To meet the needs of the City when the Gatling development was complete, the City had to increase its Lake Michigan water allocation and install the new elevated storage tank. We recommended an operating strategy that maximized the effectiveness of the South Tower as an alternate to removal. A third issue was a water hammer problem at the Pump Station. We recommended soft-start controls and a surge relief valve as the most cost-effective strategy.





## EDUCATION

**B.S. Electrical Engineering**

University of Valparaiso, Valparaiso,  
Indiana 2013

## CERTIFICATIONS

**Engineer in Training: IL, IN**

**Six Sigma Green Belt**

## Technical Proficiencies

RSLogix/Studio 5000 & 500,  
FactoryTalk View ME & SE, GE iFix &  
Proficy Machine Edition, AutoCAD,  
Microsoft Office Suite, Remote  
Access



# RANDAL OLSON, JR

## SCADA

Randal is an Electrical Engineer with over 6 years of experience working in the Manufacturing and Water/Wastewater Industry. He specializes in proactive continuous improvement initiatives and electrical troubleshooting of automated equipment. Randal possesses excellent interpersonal and communication abilities, and develops new skills quickly. He enjoys being part of a team, and thrives in demanding and challenging environments.

## REPRESENTATIVE PROJECTS

### Village of Oswego, IL

#### Uninterrupted Power Supply and Surge Suppression Installation

Randal successfully integrated uninterrupted power supplies and surge suppression in each of the Village's existing SCADA Well Panels. The Village had a history of component failures due to lightning strikes and utility power surges. Now that the equipment is protected, the Village expects to see a reduction in failed equipment. Randal worked closely with the Village to minimize the downtime of each Well and identified improvements to their system along the way.

### Fox River Valley Water Reclamation District

#### Pump Station 31 Replacement

Randal served as the primary integrator for this pump station replacement project. He effectively took the Engineering Design Specifications and successfully created the PLC program from them. Randal also developed user-friendly, high performance OIT and SCADA graphics using the Rockwell Automation FactoryTalk View suite.

## WHILE WORKING FOR OTHERS:

### Progress Rail

#### Senior Electrical Controls Engineer

- Designed and implemented PLC, HMI, and Robot program modifications on High Volume equipment to ensure quality, reduce cycle-time, and improve part traceability.
- Initiated control upgrades on machinery with obsolete PLC, HMI, and VFD components; updated electrical schematics to reflect revisions.



### **Education**

B.S., Civil Engineering  
Illinois Institute of Technology,  
1993

Joined Firm in 2006

Years of Experience: 27

### **Registrations**

Licensed Professional Land  
Surveyor: Illinois, Wisconsin

Licensed Professional Surveyor  
and Mapper: Florida

Licensed Professional Engineer:  
Illinois

### **IDOT Certifications**

IDOT Bureau of Construction  
Task Training/Certifications:  
P.C.C. Paving  
HMA Density Testing  
HMA

### **Certifications**

Nuclear Density Gauge, Troxler  
Laboratories  
Concrete Field Testing  
Technician, ACI

Tony has 27 years of design and land surveying experience. His expertise includes the design of roadway reconstruction, roadway realignment, storm sewer, sanitary sewer, and water main projects. He is also proficient in the preparation of right-of-way acquisition, plat, and legal description documents. Tony teaches several surveying courses at the College of Lake County.

### **Representative Projects**

#### **Shorewood, IL**

##### **Lake Michigan Water Transmission Main Routing Study**

Responsible for easement and right-of-way acquisition, and preparation of plats. Baxter & Woodman conducted a routing study for a Lake Michigan Water Transmission Main from the Village of Bolingbrook to the Village of Shorewood. As part of the study, Baxter & Woodman investigated and identified feasible routes by considering topography, access, interference with major utilities, IDOT's accommodation of utilities within right-of-way along I-55, and property ownership.

#### **Carol Stream, IL**

Easement and plat preparation for the Southwest Water Main Extension project. Also provided construction layout assistance.

#### **Lake Forest, IL**

##### **IL 43 and Westleigh Property Acquisition Assistance**

Professional Land Surveyor for obtaining property at the Waukegan Road (IL Rt. 43) and Westleigh Road intersection from Lake Forest School District 67 Administration Center. This preliminary work was used to facilitate the exchange of property from School District 67 to the City of Lake Forest. The project included preparing legal descriptions for the anticipated right-of-way necessary for the planned IL 43 and Westleigh intersection improvements on District property, completing ROW exhibit for the proposed transfer, and coordinating revisions from City staff and the District.

#### **Lincolnshire, IL**

##### **Water Main Replacement Program**

Boundary analysis for the replacement of approximately 3,450 feet of 8-inch water main along Bedford Court, Middlebury Lane, Westwood Lane, at the intersection of Fox Trail and Riverwoods Road, and rehabilitation of approximately 60 feet of 8-inch water main using CIPP lining. Replacement included new water services for every resident, replacement of hydrants, valve vaults, connections to existing water main, installation of gate valves, casing pipes, and a variety of water main fittings for connections.



**Education**

B.S., Civil Engineering  
Marquette University, 2000

Joined Firm in 2000

Years of Experience: 20

**Registrations**

Licensed Professional Engineer:  
Illinois

Pervious Concrete Technician

**IDOT Certifications**

Small Drainage Structures  
Documentation (Cert. 15-0089)  
ICORS  
Pipe Culverts  
Storm Sewers  
Traffic Signal Installation  
Materials Management for  
Resident Engineers

**Associations**

American Society  
of Civil Engineers

**Continuing Education**

**Doug Cartland, Inc.**  
"Creating Excellence in  
Communication and Customer  
Relations" training, 2016

Dennis provides design and construction engineering and inspection services for many of our water and wastewater projects. He has worked on projects that include improvements to storm sewer, water main, and sanitary sewer systems, pumping stations, treatment facilities, roadways, and bridges. He is familiar with the requirements of various funding programs, and is adept at coordinating with the owner, contractor, and regulatory agencies.

**Representative Projects****Oswego, IL****Downtown Historic District and Bicycle Path Enhancement Project**

Project engineer for ITEP-funded bicycle path along Waubonsie Creek connecting the Village library to a pedestrian bridge over the Fox River. The project involved the construction of a bituminous concrete shared use path following the south side of the Waubonsie Creek from the Oswego Veterans Memorial Plaza to the Hudson Crossing Park.

**South Elgin, IL****Water Main Improvements**

Construction Manager for 950 feet of water main improvements on Illinois Route 31/La Fox Street, which included the installation of three casing pipes at State Street, Middle Street, and Plum Street. The project consisted of 300 lineal feet of 18- and 24-inch open cut casing pipe, 350 cubic yards of CLSM, 300 square yards of Class "D" patch, 60 lineal feet of curb and gutter replacement, traffic control, and other miscellaneous items of work. As construction manager, Dennis was responsible for overseeing the project's progress, confirming services were completed per IDOT standards, obtaining permits, ensuring compliance with the approved Maintenance of Traffic, and ensuring the project was completed on a compressed schedule in advance of an IDOT corridor resurfacing project along Route 31.

**Joliet, IL****Downtown Water Main Rehabilitation**

Provided construction assistance for the Downtown project, consisted of removing 3,300 feet of existing water main, and excavating 1,600 cubic yards of bedrock to install the new water main within the existing trench. A temporary water system was installed to maintain water service to businesses during construction. The Downtown project required coordination between the City, IDOT, and Will County Court proceedings, as well as incorporating the designs of the future Will County Courthouse, and a future 66-inch storm sewer along Washington Street.

**Shorewood, IL****CDBG Water System Improvements**

Resident Project Representative for the installation of approximately 1,200 lineal feet of 8-inch diameter water main in the parkway of Helene Street and Laura Street, south of Sarah Street. The project included fire hydrants, valves, non-pressure connections to the existing system, and water services to the property line. In addition, the project included approximately 200 lineal feet of 8-inch sanitary sewer and approximately 500 lineal feet of 8-inch water main to provide service to the Public Works building.



**Park Forest, IL**  
**Water Main Replacement**

Construction Engineering of this \$5.7 million water main replacement project. This project involved replacement of 70-year-old water mains thru the IEPA low interest loan program (PWSLP) and the rehabilitation of disturbed pavement surfaces. This project utilized open cutting and directional drilling over five miles of new 8- and 12-inch PVC water main, 2,000 lineal feet of sewer replacement, and 360 service connections. Dennis assisted with coordination with utility relocations and permit approvals with IDOT and the Cook County Highway Department.

**Villa Park, IL**  
**N. Princeton Avenue Water Main Replacement**

Construction Advisor for the installation of 1,200 feet of water main improvements on Princeton Avenue between Terrace Street and Plymouth Street.

**Flossmoor, IL**  
**2016 Water Main, Phase 2B Improvements**

Construction manager for this \$1.9 million water main replacement project. The project involved replacing 70-year-old water mains located in rear yard easements that were inaccessible for repair. This project involved replacing approximately 4,600 lineal feet of 8-inch water main by horizontal directional drilling and approximately 4,200 lineal feet of 8-inch water main by open cutting. This project was part of a 5-year water main replacement program, which Baxter & Woodman has been awarded four out of five years. Baxter & Woodman also coordinated utility relocations and permit approvals with IDOT and the Cook County Highway Department.

**Oak Forest, IL**  
**Waverly Avenue over Midlothian Creek**

Construction Manager for replacement of a corrugated metal pipe arch under a local collector road with a two-cell cast-in-place reinforced concrete box culvert.



**Education**

B.S., Civil Engineering Major,  
Construction Management  
Minor  
University of Wisconsin, 1995

MBA., Masters Business  
Administration, Keller Graduate  
School, 2004

MPA., Masters Public  
Administration, Keller Graduate  
School, 2012

Joined Firm in 2018

Years of Experience: 25

**Registrations**

Licensed Professional Engineer:  
Illinois

Licensed Professional Engineer:  
Wisconsin

Licensed Public Applicator:  
Illinois

Certified Floodplain Manager

**Associations**

American Public Works  
Association – Fox Valley  
Chapter, Chicago Chapter

American Society of Civil  
Engineers

**Awards**

2016 and 2017 Public Works  
Projects of the Year

Rich has nearly 25 years of public works and municipal utility leadership, most recently serving five years as the Village of South Elgin's Engineering and Public Works Director. He is a professional engineer with both private and public sector experience. During his many roles in public works he was responsible for managing employees across departments and capital planning for facilities with budgets ranging from \$15-\$125 million. His successful management of staff and facilities has been demonstrated through positive fiscal management, employee performance, and public service delivery.

**Representative Experience****Elwood, IL****Interim Village Engineer**

Rich works out of Elwood Village Hall and provides approximately 16 hours per week of interim Village Engineering assistance, which includes field inspections, agency meetings, and Village Board meetings as determined by the Village. Other duties as assigned include:

- Provide general engineering services, plan and specification review, and assistance to development applicants through the development process
- Respond to neighborhood drainage and grading concerns
- Assist with new development review (drainage, design, traffic, and infrastructure) and developer agreements
- Serve as liaison to Will County Governmental League Transportation Committee
- Attend Village Board and staff meetings as requested
- Attend a regularly-scheduled weekly Development Review Committee meeting

**South Elgin, IL****Village Engineer/Director of Public Works**

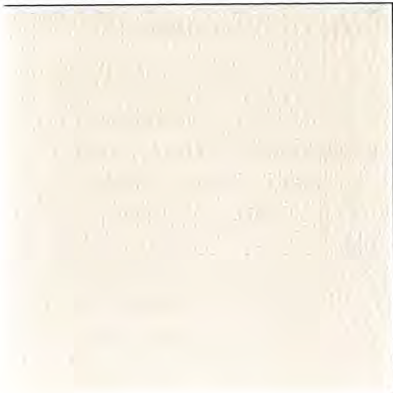
Responsible for the department leadership including 25 employees (20 union and 5 non-union), capital programs, key projects, strategic planning, and city council partnership. The total budget for all funds is \$15 million and specific areas of responsibility included:

- Underground Utilities Division: Water Distribution and Storage, Sanitary Sewer Collection, and Storm Sewer System
- Streets Division: Streets Division, Pavement and Sidewalk Services, Fleet Services, Facilities Management, Urban Forestry, Snow Removal, Street Sweeping, and Special Events
- City Engineering: MFT programs, Capital Improvement Programs, System Planning, and Community Outreach
- Administrative Support: Citizen services, Dial-a-Ride Programs, and Outreach

**St. Charles, IL****Assistant Director of Public Works**

Responsible for the management of department operations including, 98 employees (65 union and 33 non-union), capital programs, key projects, daily activities, and long range planning. The total budget for all funds is \$125 million and specific areas of responsibility included:



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- The Environmental Services Group: Water Services, Sanitary Sewer Collection, Wastewater Treatment, Environmental Laboratory, Solid Waste Collection Contracts, and Green Programs
  - The Public Services Group: Streets Division, Storm Sewer Services and Management, Fleet Services, Facilities Management, Urban Forestry, Snow Removal, Street Sweeping, and Special Events
  - Electric Services Divisions: Power Purchase, Substations, Transmission, Distribution, and City Communications
  - City Engineering: MFT programs, Capital Improvement Programs, System Planning, and Community Outreach
  - Administrative Support: Citizen services, Call-n-Ride Programs, and Outreach



**Process  
Research  
Solutions,  
LLC**

*Chemical Engineering/  
Software Development*



**Process Research Solutions, LLC**

**Abigail F. Cantor, P.E.**

Abigail F. Cantor, P.E., is a chemical engineer specializing in water quality investigations and proactive prevention of water quality issues. Her skills have been applied to drinking water in municipal water systems, commercial buildings, school buildings, and private residences.

Ms. Cantor began her career in 1980 designing treatment processes for water and wastewater. In 1991, when the Lead and Copper Rule was published, her focus changed to Lead and Copper Rule compliance and other water quality investigations.

In 1997, she became an independent engineering consultant with her own firm, Process Research Solutions, LLC. The company specializes in chemical engineering services dealing with water quality issues, and monitoring-data management with associated computer software written by Ms. Cantor.

Ms. Cantor has developed the strategy and equipment for monitoring in water distribution systems to gather comprehensive, consistent, and representative water samples. The monitoring technique and resultant comprehensive perspective of water quality are demonstrated in the Water Research Foundation Project 4586 report published in November 2017.

Web site: [www.processresearch.net](http://www.processresearch.net)

Email: [info@processresearch.net](mailto:info@processresearch.net)

Telephone: 608.233.3911



## Irene Schild Caminer

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### WORK EXPERIENCE

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#### **Caminer Law, LLC**

**2018-present**

##### ***Principal, Founder & Owner***

- Provide sound, thoughtful and thorough business and legal judgment.
- Advise, organize, strategize and collaborate to arrive at successful solutions.
- Execute workable approaches that meet the needs of the client and strengthen the organization.
- Strong analytical and writing skills in areas including business, executive and project management, water quality and quantity, environmental and regulatory compliance, budget preparation, legislative review and analysis and security.
- Assist with obtaining Minority, Women and Disadvantaged Owned Business Enterprise certifications.

#### **City of Chicago Department of Water Management**

**1997 - 2017**

##### ***Commissioner's Office***

##### ***Senior Advisor-Project Manager-Director of Legal Services-Legislative Liaison-Assistant Commissioner-General Counsel-Government Relations***

- Managed and drove all legal functions:
  - Reviewed, negotiated and executed a wide variety of strategies, documents and agreements on various subjects including municipal water supply agreements, litigation, municipal bonds, real estate transactions, procurement and regulatory issues.
  - Legislative Liaison (Government Relations) on all local, state and federal matters impacting the Department.
  - Defined, developed and trained on policies, procedures and programs including personnel, ethics, operational, environmental, safety and accountability initiatives.
  - Advised and counseled senior management on effective planning, strategizing, budgeting, bonding and policy making.
  - Managed and oversaw the Department's annual budget process.
  - Investigated and responded to the Inspector General's Office on matters involving the Department's organization, technology and business processes including but not limited to customer billing and collections and inventory policy and safeguards.
- Oversaw and championed organizational changes:
  - Managed messaging and communications, structured methodology, accountability and strengthened relationships among key stakeholders (often during times of crisis) resulting in new business processes and programs. Examples include:
    - Developed, implemented and continually assessed the effectiveness of the Department's historic 10-year Capital Improvement Program; spending nearly \$7B on infrastructure projects to install and replace more than 880 miles of water main, rehabilitate 700 miles of sewer main, line 95,000 structures, install 200,000 water meter installations, and upgrade and improve facilities.
    - Created \$200M MeterSave program to install more than 100,000 meters in homes.
    - Project Manager of warehouse inventory system; consolidated and moved various business groups to new building.
    - Project Manager of merger between the Department of Water and the Department of Sewers.
    - Project Manager of the implementation of the billing and customer service system.

#### **City of Chicago Department of Law**

**1990 - 1997**

##### ***Assistant Corporation Counsel***

- Prosecuted and defended the City in civil, criminal and administrative matters including jury trials and arbitrations

#### **Circuit Court of Illinois, Cook County Law Division**

**1987 - 1990**

##### ***Law Clerk to the late Honorable Dean J. Sodaro***



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## EDUCATION & LAW LICENSE

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IIT Chicago Kent College of Law, Chicago, Illinois Juris Doctor	1987
University of Illinois, Urbana, Illinois Bachelor of Arts, Speech Communication	1984
Illinois State Bar	Current

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## PROFESSIONAL ASSOCIATIONS

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• Association of Metropolitan Water Agencies	1997 – 2017
– Board Member	2006 – 2017
• American Water Works Association	Current
– Peer reviewed articles for the Journal of the American Water Works Association	
• Hispanic American Construction Industry Association (HACIA)	Current
– Presented on the Basics of Contracts to Business Students of the FEJA Training program	
– Article for monthly newsletter, “The Importance of Contract Preferences in Government Funded Projects” April 6, 2020	
• Illinois Section of the American Water Works Association (ISAWWA)	Current
– Vice-Chair, Host Committee ACE16	
– Authored, co-authored and spoke at various ISAWWA State Conferences	
• Women in Transportation	Current
• National Association of Women Business Owners	Current
• Federation of Women in Construction	Current
• Federal Bar Association	Current
• Illinois State Bar Association	Current
• Chicago Bar Association	Through 2017
• Chicago Municipal Employees Credit Union - Board Member and Secretary	2000 – 2006, 2011

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## CERTIFICATIONS & CODES

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Women-Owned Business Enterprise (WBE)	Chicago & Illinois
Business Enterprise Program (BEP)	Illinois
Disadvantaged Owned Business Enterprise (DBE)	Pace Bus
Airport Concession Disadvantaged Owned Business Enterprise (ACDBE)	Pace Bus
Interstate ACDBE and DBE	Va., DC & MD & pending Ind
NAICS Code: 54110 – Offices of Lawyers	
NAICS Code 541611 – Administrative Management and General Management Consulting Services	
NAICS Code 541618 – Other Management Consulting Services	
NAICS Code 541620 – Environmental Consulting Services	
Women-Owned Business Enterprise (WBE)	State of Illinois Central Management Services (CMS)
NIGP Code: 95877 - Project Management Services	
NIGP Code: 96149 - Legal Services, Attorneys	
NIGP Code: 96158 - Negotiation Services	
NIGP Code: 96161 - Public Speaking Services	
NIGP Code: 96190 - Writing Services, All Kinds, Including Resumes, Calligrapher and Engrosser Services	
NIGP Code: 96866 - Right of Way Services, Including Title, Relocation, Condemnation, Etc.	



# Team Members



**Tracy Morse**  
*President & CEO*

As President and CEO of Images, Inc., Tracy Morse built a business that filled a need for strategic communication and public outreach across a variety of industries. Tracy is breaking ground by reshaping the way outreach is done in the infrastructure industry. At Images, Inc., the goal is to build the client's image and tell their story from beginning to end -- Tracy assembled a team of experts to bring their client's vision to life.

For more than 17 years she has successfully provided strategic leadership in public involvement and Context Sensitive Solutions on some of the largest transportation plans in the U.S. Her firm is noted for its national experience and unique blend of communications, strategic planning, public relations, marketing, technical writing, web design and print media. Through her work she has partnered with state Departments of Transportation, regional transportation authorities, State Toll Highway Authorities, metropolitan planning organizations, transit authorities, Federal Highway Administration, technical advisory groups and elected officials. Her innovative work has been recognized nationally by the Transportation Research Board, and has been represented as the IDOT AASHTO entry for national recognitions.

Tracy's comprehensive experience in the multimodal transportation and infrastructure planning, the National Environmental Policy Act (NEPA) process, as well as working with contractors on communication during the construction phase, has given her the depth of experience to craft strategic plans that emphasize a proactive and effective approach to public involvement and communications. Tracy has a unique talent for conveying complex information and strategic messages in a style and tone appropriate for the target audience. Her talent is recognized by The Publicity Club of Chicago, who awarded her with a 2015 Golden Trumpet Award, a top honor, for her work with SOS Children's Villages-Illinois.

## PROJECT EXPERIENCE

**I-74 Mississippi River Bridge GEC/CM**  
Iowa and Illinois Departments of Transportation  
Iowa and Illinois

**I-290 Eisenhower Expressway Phase I EIS Study**  
Illinois Department of Transportation  
Cook County, IL

**Arterial Bus Rapid Transit PMO**  
Pace Bus  
Northeastern Illinois

**Illiana Phase I Tier I/II EIS**  
Illinois and Indiana Departments of Transportation  
Illinois and Indiana

**High-Speed Intercity Passenger Rail (Chicago-Dubuque)**  
Illinois Department of Transportation  
Springfield, IL

**General Engineering Consultant/Market Research**  
VIA Metropolitan Transit  
San Antonio, Texas

**Tri-County Access (IL 53/120) EIS**  
Illinois Tollway  
Lake, McHenry and Cook Counties

**I-80 (Ridge Road to US 30) Phase I EA Study**  
Illinois Department of Transportation  
Will County, IL

**Illiana P3 Advisory**  
Illinois and Indiana Departments of Transportation  
Illinois and Indiana

**Savanna-Sabula Bridge over the Mississippi River**  
Illinois Department of Transportation  
Illinois and Iowa



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# Team Members

**Illinois High-Speed Rail Program Management**  
Illinois Department of Transportation  
Springfield, IL

**Bus Rapid Transit (BRT) Market Research Study**  
Regional Transportation Agency (RTA)  
Cook and DuPage County

**IL 131 Green Bay Road Phase I EA Study**  
Illinois Department of Transportation  
Lake County, IL

**Elgin O'Hare – West ByPass- Phase I Tier I/ II EIS**  
Illinois Department of Transportation  
Northeastern Illinois

**Illinois 47 – US 14 to Charles Road Phase I EA**  
Illinois Department of Transportation  
McHenry County, IL

**Bus Rapid Transit Market Research Study**  
Pace Bus  
Cook and DuPage Counties

**Star Line Alternative Analysis**  
Metra  
Chicago, IL

**RTA Comprehensive Strategic Transportation Plan**  
RTA  
Chicago, IL

**Blue Line Forest Park Branch Vision Study**  
Chicago Transit Authority  
Chicago, IL

**Illinois Statewide Transportation Plan**  
Illinois Department of Transportation  
Springfield, IL

**Northern Illinois Commuter Transportation Initiative**  
Alternative Analysis  
Rockford, IL

**Chicago Regional Environmental and Transportation**  
Efficiency Program (CREATE)  
Chicago, IL

**Red, Orange, and Yellow Line Extension Alternatives Analysis**  
CTA  
Chicago, IL

**I-94 – IL 173 to Russell Road Study**  
Illinois Department of Transportation  
Lake County, IL

**I-57 at I-294 Interchange Reconstruction**  
Illinois Department of Transportation  
Chicago, IL

**Prairie Parkway Phase I EIS Study**  
Illinois Department of Transportation  
Northeastern Illinois



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*Effective Involvement. Better Decisions.*



# Team Members



**Janet Henderson**  
*Director of Business Development*

One of the key attributes Images, Inc. prides itself on is forming a team of knowledgeable and well-rounded professionals. With 30 years of experience in the field, Janet Henderson is able to develop innovative strategies for our client's projects, work under tight deadlines, anticipate issues before they occur and focus on developing positive relationships from the client to the public.

From Illinois to California and Texas, Janet has taken on national projects where she was involved in regional transportation planning, implementing financial controls, developing environmental documentation and more. Her experience includes working for Chicago Metropolitan Agency for Planning, Southern California Association of Governments and an international engineering firm. Janet's skills put her at the forefront of projects including the management of Community Environmental and Transportation Acceptability Processes (CETAP); SR-91 Toll Lanes; California Maglev; and directing activities for eleven Councils' of Mayors.

Her success derives from her passion for strategic communication and public involvement. At Images, Inc., Janet serves as our Director of Business Development and manages projects, working with clients such as DuPage County, City of Joliet, Illinois Capital Development Board and Illinois Department of Transportation (IDOT). She engages with hundreds of communities between Chicago and St. Louis for the Illinois High-Speed Rail project – directing awareness campaigns, conducting public and one-on-one meetings, social media engagement and media outreach. While managing IDOT's I-55 Managed Lanes project, she helped define the presence of the first proposed managed lane in the state of Illinois for the public. She also coordinated and facilitated a Corridor Planning Group and led noise wall solicitations. At Images, Inc., Janet has led strategy development, stakeholder outreach, meeting facilitation, survey implementation and evaluation, website development, and media management.

## PROJECT EXPERIENCE

**Quincy Veterans' Home Master Plan**  
Capital Development Board  
Springfield, IL

**Quincy Veterans' Home Bridging Documents**  
Capital Development Board  
Springfield, IL

**DART Red and Blue Line Parking Needs Study**  
North Central Texas Council of Governments  
Arlington, TX

**Webster Avenue Bridge**  
Chicago Department of Transportation  
Chicago, IL

**I&M Canal Trail Feasibility Study**  
Chicago Metropolitan Agency for Planning  
Chicago, IL

**I-80 (Ridge Road to US 30) Phase I EA Study**  
Illinois Department of Transportation  
Will County, IL

**Joliet Alternative Water Source Program**  
City of Joliet  
Joliet, IL

**Joliet Alternative Water Source Study**  
City of Joliet  
Joliet, IL

**I-55 @ Lorenzo Road Study**  
Illinois Department of Transportation  
Springfield, IL

**Chicago to Milwaukee Passenger Rail**  
Illinois Department of Transportation  
Springfield, IL

**DuPage County Long Range Transportation Plan**  
DuPage County Division of Transportation  
Wheaton, IL

**McHenry County Transit Plan**  
McHenry County Department of Transportation  
Woodstock, IL

**Lake Cook Corridor Study**  
Village of Buffalo Grove  
Buffalo Grove, IL

**Chicago to St. Louis High-Speed Rail Program Management**  
Illinois Department of Transportation  
Springfield, IL



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# Team Members

**Union Station St. Charles Air Line**  
Illinois Department of Transportation  
Springfield, IL

**Chicago Terminal Rail Study**  
Illinois Department of Transportation  
Springfield, IL

**Illinois State Rail Plan**  
Illinois Department of Transportation  
Springfield, IL

**Intercity Passenger Rail (Chicago to Quad Cities)  
Program Management**  
Illinois Department of Transportation  
Springfield, IL

**Granite City to St. Louis High-Speed Rail NEPA Tier 2  
Study**  
Illinois Department of Transportation  
Springfield, IL

**I-55 Managed Lane**  
Illinois Department of Transportation  
Schaumburg, IL

**Elburn Comprehensive Plan**  
Village of Elburn  
Elburn, IL

**Intercity Passenger Rail (Chicago to Dubuque)  
Program Management**  
Illinois Department of Transportation  
Springfield, IL

**Forest Park Comprehensive Plan**  
Village of Forest Park  
Forest Park, IL

**Transit Business Plan**  
Government of Guam  
Guam

**SH 31 Environmental Relief Route**  
Navarro County, Texas

**Comprehensive Plan**  
Environmental Impacts  
Johnson County, IN

**HOV Facility Inventory and Clearinghouse**  
Federal Highway Administration (FHWA)  
U.S. and Canada

**American Recovery and Reinvestment Act (ARRA)  
Grant Development**  
Government of Guam  
Guam

**Congestion Pricing Operating Plan**  
Los Angeles County Metropolitan Transportation  
Authority (Metro)  
Los Angeles County, CA

**Regional Transportation Mitigation Fee Program**  
Council of Fresno County Governments (FCOG)  
Fresno County, CA

**Freeway Strategic Study**  
Riverside County Transportation Commission (RCTC)  
Riverside County, CA

**Transportation Uniform Mitigation Fee Program**  
Western Riverside Council of Governments (WRCOG)  
Riverside County, CA

**I-15 Comprehensive Corridor Study**  
San Bernardino Council of Governments  
San Bernardino County, CA

**Community Environmental Acceptability Process  
(CETAP)**  
Western Riverside Council of Governments (WRCOG)  
Riverside County, CA

**Four Corners Planning Study**  
Southern California Association of Governments  
Riverside, Los Angeles and Orange Counties, CA

**Maglev High Speed Rail**  
Southern California Association of Governments  
Southern California

**SR-91 Toll Lanes – Orange County**  
Orange and Riverside Counties, CA

**Clean Air Educational Video**  
CATS Council of Mayors  
Chicago Metropolitan Region, IL

**Highway Performance Monitoring System**  
CATS Council of Mayors  
Chicago Metropolitan Region, IL

**Congestion Mitigation Air Quality Program**  
Chicago Area Transportation Study Chicago  
Metropolitan Region, IL

**Transportation Enhancement Program**  
Chicago Area Transportation Study  
Chicago Metropolitan Region, IL

**Sub-regional Transportation Improvement Program**  
CATS Council of Mayors  
Chicago Metropolitan Region, IL



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Village of Oswego, Illinois  
Alternative Water Supply Study

Free Updated 8-12-2019

DELIV		S DEL		Client Manager	Project	Project	Project	Project	Project	Project	Project	GIS	GIS	Admin	Mileage	HOURS				
No	DELIVERABLE Title	No	SUB-DELIVERABLE Title	\$ 189	\$ 188	\$ 140	\$ 189	\$ 140	\$ 120	\$ 110	\$ 140	\$ 120	\$ 110	\$ 85	0.58					
	PROJECT MANAGEMENT			4	20											24	1	\$	4,320	\$ 4,320
A	EVALUATE JOULET WATER SOURCE OPTION			4	6	6		6								22	1	\$	3,622	\$ 60,671
				2	4	20			40				20			245	106	\$	13,280	
										12							12	\$	1,320	
										8							8	\$	880	
				2	8	8		8					20				46	\$	6,440	
					8	20		8	20								54	\$	7,760	
					4	4		8	8								24	\$	3,360	
					4	4		12									20	\$	2,960	
					2	4		4			4						4	\$	560	
					2	4											10	\$	1,480	
						4			4								8	\$	1,040	
								20		20							40	\$	5,000	
				4	12	12		12								490	40	\$	6,524	
					6	6		6								245	18	\$	2,902	
					4	4			12					8	2		28	\$	3,550	
B	WATER DISTRIBUTION MODEL UPDATE					4			12				40			56	3	\$	6,400	\$ 14,240
						8			8								16	\$	1,840	
						4			40								44	\$	5,360	
				2	2												4	\$	640	
C	REVIEW AND UPDATE FOX RIVER AND DWC REPORTS				12	40		40								92	2	\$	13,360	\$ 52,634
						20			20							40	2	\$	5,200	
										8						8	3	\$	880	
										8						8	2	\$	880	
				2	4			4								10	3	\$	1,480	
				8	8			16								40	3	\$	5,600	
				2	4			8	8							22	3	\$	3,000	
								8								6	3	\$	840	
																4	4	\$	560	
				2	4			4					4			10	5	\$	1,480	
						4			4							8	5	\$	1,040	
								6		6						12	3	\$	1,800	
					8	8		8		20						40	3	\$	5,000	
								8								24	3	\$	3,964	
				4	4	8		16	16					8	2	490	56	\$	7,550	
D	WATER LOSS AUDIT (LMO-2)							10								10	10	\$	1,400	\$ 6,730
					2	2		8								12	3	\$	1,760	
					2	2			4								8	\$	1,200	
					2	2			4								10	\$	1,370	
E	SUPPLY TO MONTGOMERY AND YORKVILLE				2	4			8							14	10	\$	1,880	\$ 11,830
										8						8	3	\$	880	
										8						8	2	\$	880	
				2	4			4								10	3	\$	1,400	
								8	8							22	3	\$	3,000	
						4			4							8	3	\$	1,040	
						2			2							4	3	\$	520	
					2	4			4							18	3	\$	2,230	
F	NEW WELL AND STORAGE								8							8	10	\$	960	\$ 14,232
					8	8		12								28	3	\$	4,480	
					4	8		4								16	3	\$	2,480	
					8	8		4								20	3	\$	3,200	
					2	2		2								6	3	\$	1,102	
					4	8										14	3	\$	2,010	
G	DECISION MATRIX				20	20		20								64	10	\$	9,920	\$ 19,404
					12	12										36	10	\$	5,804	
					8	8		8								24	3	\$	3,680	
H	REPORT				16	20		20	20							134	20	\$	17,440	\$ 34,764
					16	16		10	10							74	20	\$	10,080	
				8	12	12		12								44	20	\$	7,244	
I	LEGAL AND GOVERNANCE ( Caminer Law - Not included in scope and fee)															490	20			
J	DEVELOP COMMUNITY ENGAGEMENT STRATEGY (Inages Inc)				8	8		8								245	14	\$	4,542	\$ 34,628
																			\$ 30,086	
	Subtotal - Hours			38	256	360	22	322	282	110	12	56	94	22		1804		\$	252,461.20	\$ 252,461
	Subtotal - Costs			\$6,840	\$46,080	\$50,400	\$3,520	\$45,080	\$33,840	\$14,100	\$1,680	\$6,720	\$10,140	\$1,870		\$220,670				
	Expenses														2,940	\$1,705		Fee	\$252,461	
	Subconsultant - Inages Inc																			
	TOTAL PROJECT COST																			\$ 252,500





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## AGENDA ITEM

**MEETING TYPE:** Village Board

**MEETING DATE:** August 18, 2020

**SUBJECT:** Appointment of Special Counsel

**ACTION REQUESTED:**

Pass the Resolution Appointing Caminer Law, LLC as Special Counsel for the Village of Oswego

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**BOARD/COMMISSION REVIEW:**

N/A

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**ACTION PREVIOUSLY TAKEN:**

Date of Action	Meeting Type	Action Taken
8/4/2020	Committee of the Whole	Discussion of water source project scope, including retaining specialized legal services

**DEPARTMENT:** Administration

**SUBMITTED BY:** Dan Di Santo, Village Administrator

**FISCAL IMPACT:**

The FY21 CIP budget includes \$405,600 for Alternative Water Source Planning. Per our Attorney Guidelines that were accepted by Caminer Law, the proposed rates for work are as follows:

- Partner Attorneys: Max of \$200
- Associate Attorneys: Max of \$200
- Paralegal: Max of \$150
- Law Clerk: Max of \$160

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**BACKGROUND:**

The Village recently issued an RFP for consulting services for an alternative water source evaluation. The recommended consultant, Baxter and Woodman, included a specialty attorney on their consultant team, Caminer Law, LLC. The nature of this water source evaluation lends itself to a specialty attorney, since no matter which of the three water source options are chosen there will be specialized legal documents that need to be drafted and reviewed. The selected water source



could involve joining an existing water commission, changing state law, establishing a new water commission or joint action water agency, or negotiating a water purchase agreement with a community. For these reasons, staff recommends appointment of a specialty attorney that is expert in the field of water agreements.

**DISCUSSION:**

The principal of Caminer Law, LLC, Irene Caminer, is an experienced attorney with more than 30 years of government experience, including 20 years as the General Counsel to the City of Chicago Department of Water Management. In her role, Irene managed 47 direct water supply agreements, negotiated the terms of water supply agreements, and helped develop conservation plans through the Illinois Department of Natural Resources.

On this project, Irene's role would be to provide advice, counsel, and guidance to the Village by analyzing general legal obligations involved in the various water source options, including drafting and reviewing legal agreements.

As the recommended special counsel, Irene has agreed to the terms of the Village's attorney guidelines, which set the expectations, standards, and billing policy required of Village attorneys. As such, staff recommends appointment of Caminer Law, LLC as special counsel to the Village of Oswego.

**RECOMMENDATION:**

Pass the Resolution.

**ATTACHMENTS:**

1. Resolution
2. Attorney Guidelines



**RESOLUTION NO. 20 - R - 81**

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**A RESOLUTION APPOINTING CAMINER LAW, LLC  
AS SPECIAL COUNSEL TO THE VILLAGE OF OSWEGO**

---

**WHEREAS**, the Village of Oswego ("Village") has a population of more than 25,000 and is therefore a "Home Rule Unit" under the 1970 Illinois Constitution; and

**WHEREAS**, the Illinois Constitution of 1970 provides that a Home Rule Unit may exercise any power and perform any function pertaining to its government and affairs, including but not limited to the power to regulate for the protection of the public health, safety, morals and welfare; to license, to tax; and to incur debt; and

**WHEREAS**, the Village recently issued an RFP for consulting services for an alternative water source evaluation and the recommended consultant, Baxter and Woodman, included a specialty attorney on their consultant team, Caminer Law, LLC; and

**WHEREAS**, the nature of this water source evaluation lends itself to a specialty attorney, since there will be specialized legal documents that need to be drafted and reviewed; and

**WHEREAS**, Caminer Law, LLC has vast experience in government, managing and negotiating water supply agreements, and developing conservation plans through the Illinois Department of Natural Resources; and

**WHEREAS**, Caminer Law, LLC has agreed to the Guidelines for Attorneys Providing Legal Services for the Village of Oswego, attached as "Exhibit A;" and

**WHEREAS**, it is in the best interest of the Village of Oswego to appoint Caminer Law, LLC as Special Counsel for the Village of Oswego.

**NOW, THEREFORE, BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF OSWEGO, KENDALL AND WILL COUNTIES, ILLINOIS,**  
as follows:

**SECTION 1. INCORPORATION OF RECITALS**

That the recitals set forth above are incorporated here by reference.



## **SECTION 2. APPOINTMENT OF SPECIAL COUNSEL**

The Village President and Village Board of Trustees hereby appoint Caminer Law, LLC as Special Counsel for the Village of Oswego, with Caminer Law, LLC to execute and abide by the terms of the Guidelines for Attorneys Providing Legal Services for the Village of Oswego, attached as "Exhibit A".

## **SECTION 3. REPEALER**

All Resolutions or parts of Resolutions in conflict with any of the provisions of this Resolution shall be, and the same hereby repealed to the extent of the conflict.

## **SECTION 4. SEVERABILITY**

This Resolution and every provision thereof shall be considered severable. If any section, paragraph, clause or provision of this Resolution is declared by a court of law to be invalid or unconstitutional, the invalidity or unconstitutionality thereof shall not affect the validity of any other provisions of this Resolution.

## **SECTION 5. EFFECTIVE DATE**

This Resolution shall be in full force and effect from and after its passage and approval in the manner provided by law.

**PASSED** by the Board of Trustees of the Village of Oswego, Kendall and Will Counties, Illinois this 18<sup>th</sup> day of August 2020.

JAMES MARTER

AYE

LUIS PEREZ

AYE

TERRY OLSON

AYE

JUDY SOLLINGER

AYE

PAM PARR

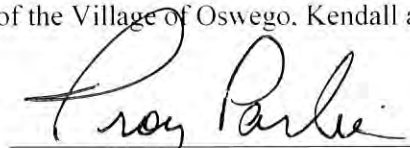
AYE

BRIAN THOMAS

AYE

**APPROVED** by me, Troy Parlier, as President of the Village of Oswego, Kendall and Will Counties, Illinois this 18<sup>th</sup> day of August 2020.

  
Tina Touchette, Village Clerk

  
TROY PARLIER, VILLAGE PRESIDENT



STATE OF ILLINOIS     )  
                                      )  
COUNTY OF KENDALL    )     SS

**CLERK'S CERTIFICATE**  
**(RESOLUTION)**

I, Tina Touchette, the duly qualified and acting Village Clerk of the Village of Oswego, Kendall and Will Counties, Illinois, do hereby certify that I am the keeper of its books and records and that the attached hereto is a true and correct copy of a Resolution entitled:


**A RESOLUTION APPOINTING CAMINER LAW, LLC  
AS SPECIAL COUNSEL TO THE VILLAGE OF OSWEGO**

which Resolution was duly adopted by said Board of Trustees at a meeting held on the 18<sup>th</sup> day of August 2020, and thereafter approved by the Village President on the 18<sup>th</sup> day of August 2020.

I do further certify, in my official capacity, that a quorum of said Board of Trustees was present at said meeting and that the Board complied with all requirements of the Illinois Open Meetings Act.

IN WITNESS WHEREOF, I have hereunto set my hand this 19<sup>th</sup> day of August 2020.



  
\_\_\_\_\_  
Tina Touchette, Village Clerk  
Village of Oswego





## **GUIDELINES FOR ATTORNEYS PROVIDING LEGAL SERVICES FOR THE VILLAGE OF OSWEGO**

The Village of Oswego is committed to retaining competent and professional legal counsel who provide effective and efficient representation. Attorneys are appointed by the Village President with the advice and consent of the Village Board of Trustees and provide legal services to the elected and appointed officials and Village staff of the Village of Oswego. Attorneys serve at the pleasure of the Village President and Board of Trustees and services may be terminated at any time.

### **I. GENERAL STATEMENT**

It is our intention to encourage open and honest communication with our legal team. We expect prompt, professional, quality service provided by a member of your firm possessing the level of expertise necessary to properly discharge a given task. The purpose of these guidelines is to provide a framework wherein we can work together to provide the highest quality standard of representation in a cost-effective manner.

Nothing contained in these guidelines is intended to interfere with the attorney/client relationship or the proper discharge of your duties.

Your firm was selected for representation because of its expertise and ability to handle our legal needs. We respect your independent judgment, and it is our position that the billing requirements contained below are accepted by you, using your independent judgment, when you agree to represent the Village. As such, you agree that specific tasks performed by you and other firm personnel will not be billed to us or will be billed at a special rate regardless of the billing rate of the person who performed the task.

### **II. EXPECTATIONS AND STANDARDS**

Legal consultation will be provided in an accurate, correct, honest, ethical, and professional manner while considering the overall goals and objectives of the Village. In addition, the Attorney is expected to proactively identify potential issues and provide innovative solutions to avoid problems from occurring.

The Attorney shall provide timely responses and is expected to interpret the direction of the Village Board of Trustees and Village Administrator and build effective working relationships with staff and appointed and elected officials. Further, the Attorney is expected to communicate with the Village Administrator and appointed and elected officials as appropriate to apprise them of changes in state and federal laws, new laws, applicable court decisions, and other judicial and administrative rulings that will impact the Village's operations and services.



If at any time you feel that a provision of the guidelines raises a potential conflict with your fiduciary or ethical responsibilities, please bring it to the immediate attention of the Village Administrator.

### **III. BILLING POLICY**

We require an interim billing process to monitor legal fees and expenses. Counsel must submit invoices (fees and expenses) monthly. In unusual or complicated cases, the Village must approve alternative-billing arrangements.

#### **A. Bill Format:**

The Village requires that you utilize the following invoice format:

1. The date the identified function was performed;
2. The initials of the billing attorney or paralegal;
3. The agreed-upon hourly rate for the timekeeper providing the service;
4. Specific, accurate time in tenths per hour;
5. A description of the single itemized service. Only itemized fee and expense billings will be accepted for reimbursement (e.g., preparation time should be separated from attendance time at depositions. Travel time should also be separately designated);
6. The Village representative for whom you worked with.

#### **B. Description of Professional Services Rendered:**

Generic and general activity descriptors such as the following will not be acceptable without further information:

- Arrangements with \_\_\_\_\_
- Conference with \_\_\_\_\_
- Discussion with \_\_\_\_\_
- Research.
- Review/draft pleadings.
- Prepare correspondence.
- Review case and issues.
- Telephone call.
- Review emails.
- Work on file.
- Legal research.
- Prepare for Meeting
- Update strategy
- Attend deposition.
- Discovery.
- Meeting with \_\_\_\_\_
- Motion work.
- Review/draft discovery.
- Receipt of documents.
- Review correspondence.
- Trial preparation.
- Work on the project.
- Work on discovery.
- Attention To Matter.
- Travel

It is essential that each legal activity is identified in the invoice. When billing for telephone conversations and review of emails, accurately describe the parties and purpose of the telephone call and email. All correspondence, pleadings and other documents reviewed must be distinctly identified.



### **C. Time Charges**

The Village requires that 0.10-hour (one-tenth of an hour) be used as the minimum billing charge and billing increment.

The Village requires that the time entered to be the actual time expended on a function, without the time being rounded up, unless stated otherwise in the attorney's retention letter.

The Village will pay no more than 1 hour for travel each way.

The following Hourly Rate Schedule shall apply:

Partner Attorneys:	Max of \$200
Associate Attorneys:	Max of \$200
Paralegal:	Max of \$150
Law Clerk:	Max of \$160

## **IV. PROFESSIONAL SERVICES**

### **A. Secretarial/Clerical/Administrative Functions at Professional Rates:**

The Village requires that only professional services be the subject of billing. There are numerous functions which are secretarial, clerical or administrative and which do not involve the participation of legal personnel in their completion, all of which should not be billed.

- Scheduling and arrangements, for meetings, appointments, examinations, court reporters, travel arrangements and the like.
- Routine Notices, Standard Forms or Notice of Motion
- Calendaring.
- Conflict checks.
- Organize and re-organize files (if it does not involve sorting case documents such as individual documents attached to Requests for Production of Documents).
- Indexing file materials (unless professional judgment as to the index categories must be utilized).
- Pick-up and delivery of documents and records.
- Telephone calls and/or correspondence to copy services, record providers, court reporters.
- Provide instruction to providers or vendors and process bills.
- Update lists.
- File, re-file and inventory documents, pull/copy documents.
- Preparation of a record copy service form for employment/medical records.
- Mail Handling
- Billing for telephone call attempts
- Staff Overtime Charges

The Village will not pay for secretarial, clerical or administrative functions performed by attorneys, paralegals or non-professional staff or personnel except in exceptional circumstances



and as approved by the Village Administrator. Time spent preparing invoices or negotiating billing questions is not compensable.

**B. Proofreading/Review and Revisions of Work Product:**

The Village will reimburse reasonable charges for revising documents. The Village will reimburse for one attorney of the firm to participate in the review and revision of substantial documents.

**C. Qualified Professionals:**

The Village will only pay professional rates for attorneys, law clerks or qualified paralegals performing proper functions in relation to a particular issue.

Attorney(s) must be licensed to practice law in the State of Illinois and maintain an office in the State of Illinois. The Attorney(s) must have the following education and experience:

1. Graduation from a recognized school of law;
2. Admission to the bar of the State of Illinois and the United States District Court for the Northern District of Illinois, as required for specific work.

If at any time, assigned counsel believes that adherence to the above will deter from effective representation, he/she should consult with the Village Administrator or Village President before deviating from these guidelines.

**V. DISBURSEMENTS/EXPENSES**

The Village requires an itemized breakdown of actual expenses. All expenses should be billed at cost and should not include mark-ups by the firm. Routine expenses incurred should be paid directly by the law firm and then billed back as disbursements pursuant to our interim billing policy. Exceptional expenses will require advance approval from the Village Administrator and may be forwarded directly to the Village. Such invoices forwarded directly to the Village for payment must include a completed W-9 outlining the vendor's tax ID or social security number.

All expenses must have supporting documentation that will be forwarded with the payment request. The Village will not reimburse any expense unless the description of the expense indicates that it is compensable.

All disbursement items must be fully described. The Village will not accept any "miscellaneous" expense items. All expenses and time charges are subject to our audit.

**VI. EQUAL OPPORTUNITY**

The Attorney will not discriminate against any employee or applicant for employment because of race, color, religion, sex, ancestry, national origin, place of birth, age or handicap unrelated to bona fide occupational qualifications.



## **VII. NON-DISCRIMINATION**

The Attorney, its employees, agrees not to commit unlawful discrimination and agrees to comply with applicable provisions of the Illinois Human Rights Act, the U.S. Civil Rights Act and Section 504 of the Federal Rehabilitation Act, and rules applicable to each. The Attorney shall have and comply with a sexual harassment policy with appropriate protections of employees and reporting procedures.

## **VIII. INSURANCE REQUIREMENTS:**

The Attorney shall procure and maintain insurance for protection from legal malpractice claims, claims under worker's compensation acts, claims for damages because of bodily injury including personal injury, sickness or disease or death of any and all employees or of any person other than such employees, and from claims or damages because of injury to or destruction of property including loss of use resulting therefrom, alleged to arise from the Attorney's or its officers, agent's, employee's negligence in the performance of services under this arrangement.

The limits of liability for the insurance required by this Subsection shall not be less than the following:

Workmen's Compensation Insurance:	
All Liability imposed by Workmen's Compensation statute	
Legal Malpractice Insurance	\$1,000,000
Employer's Liability Insurance	\$1,000,000

## **IX. INDEPENDENT ATTORNEY**

There is no employee/employer relationship between the Attorney and the Village. Attorney is an independent attorney and not the Village's employee for all purposes, including, but not limited to, the application of the Fair Labor Standards Act minimum wage and overtime payments, Federal Insurance Contribution Act, the Social Security Act, the Federal Unemployment Tax Act, the Worker's Compensation Act (820 ILCS 305/1, et seq.). The Village will not (i) provide any form of insurance coverage, including but not limited to health, worker's compensation, professional liability insurance, or other employee benefits, or (ii) deduct any taxes or related items from the monies paid to Attorney. The performance of the services described herein shall not be construed as creating any joint employment relationship between the Attorney and the Village, and the Village is not and will not be liable for any obligations incurred by the Attorney, including but not limited to unpaid minimum wages and/or overtime premiums, nor does there exist a partnership between the Village and the Attorney.

## **X. ASSIGNMENT**

Neither the Village nor the Attorney shall assign or transfer any rights or obligations under this arrangement without the prior written consent of the other party.



## XI. GOVERNING LAW

This arrangement and the rights of the Village and Attorney under this arrangement shall be interpreted according to the internal laws of the State of Illinois. Venue for any action related to the services provided will be in the Circuit Court of Kendall County, Illinois.

The undersigned attorney, having examined these guidelines, hereby agrees to provide the Village of Oswego with legal services per the guidelines as stated above and to bill in accordance with the guidelines.

Irene Schild Caminer, Caminer Law, LLC  
(Printed Name of Attorney or Legal Firm)

2612 W. Sunnyside Ave. Chicago, IL 60625  
Address City, State, Zip Code

Irene Schild Caminer  
Signature of Authorized Representative

Owner 7/27/2020  
Title Date





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 type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #13

Tracking Number

PW 2021-20

### Agenda Item Summary Memo

**Title:** Discussion of Wyland National Mayors Challenge for Conservation

**Meeting and Date:** Public Works Committee – March 16, 2021

**Synopsis:** Consideration of Support for the Wyland National Mayors Challenge for  
Conservation

#### Council Action Previously Taken:

Date of Action: N/A Action Taken: \_\_\_\_\_

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

**Type of Vote Required:** Approval

**Council Action Requested:** Majority

**Submitted by:** Erin Willrett Administration  
Name Department

#### Agenda Item Notes:

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# Memorandum

To: Public Works Committee  
From: Erin Willrett, Assistant City Administrator  
CC: Bart Olson, City Administrator  
Date: March 16, 2021  
Subject: Wyland National Mayors Challenge for Conservation

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## **Summary**

Continue participation in a national program to challenge the residents to conserve water, energy and other natural resources, in alignment with City Council Goal #5 – Water Planning.

## **Background**

Once again, the Wyland Foundation, in partnership with the National League of Cities and the U.S. Environmental Protection Agency, invited the United City of Yorkville to participate in the 10<sup>th</sup> annual National Mayor's Challenge for Water Conservation. The commitment from the City to participate is as simple as drafting the statement of support below. There is no cost to the City. There were several items that were sent out to market this program in 2018, 2019 and 2020. Yorkville placed 5<sup>th</sup> in 2018, in 2019, Yorkville placed 13<sup>th</sup> and in 2020 Yorkville placed 8<sup>th</sup> in the 5,000-29,999 population category nation-wide!

Residents who are interested in conservation efforts and who would like to accept the challenge can go online ([www.mywaterpledge.com](http://www.mywaterpledge.com)) and make a pledge to conserve water, energy, and other natural resources over the next year by selecting from different pledge options. Some options are as easy as wasting less food and recycling. When the resident enters their location, the drop-down menu for pledges will contain our draft statement about water conservation. Our draft statement will read as:

*"A sustainable water source for the City's future water supply is a main focus for our community and its residents. Yorkville currently obtains its water from the deep sandstone aquifer, which is being steadily drawn down as it is being pumped beyond its long-term sustainable yield due to increasing water demands and growth of the region. The City is committed to building strong, collaborative relationships regionally for sustainable water use. We hope to partner with our neighboring communities and our actual neighbors to promote water conservation efforts in the home. By taking the water pledge, you can help extend the capacity of the City's water supply."*

When a resident goes online to accept the challenge, they will search for "Yorkville, IL", the website will then walk the resident through the process to pledge to make thoughtful conservation choices at home. There are several check boxes that the residents can choose from depending on the changes they are pledging to make. At the end of the "choices" portion of the pledge, an email address is required and the option for the resident to be entered into the prize drawing is made as a check box. After the resident enters their email address the pledge process is complete. Additionally, the website has several informational items for the resident to read through and learn about. City standings in the challenge are on the website and the residents can check back and see how their "choices" positively affect the community. This program is designed to get residents to think about how their choices impact the natural environment and if changes are made, no matter how small, benefits add up quickly. There



is no further commitment and no additional information that is needed from the residents other than those listed above.

The City will also be posting several items on social media and on our website to promote this challenge. The City's main goal by promoting this program is to help residents be aware of the importance of the natural resources that are used on a daily basis and the pressing need to protect those precious resources.

### **Recommendation**

While not a requirement to participate in the program, staff recommends an acknowledgment by the City Council in the attached Resolution for support of the statement above and participation in marketing the program. This initiative aligns with the City Council Goal #5 – Water Planning.



**A RESOLUTION OF THE UNITED CITY OF YORKVILLE, ILLINOIS  
IN SUPPORT OF THE “WYLAND MAYOR’S CHALLENGE FOR WATER CONSERVATION”**

**WHEREAS**, the United City of Yorkville (the “City”) is a duly organized and validly existing non home-rule municipality created in accordance with the Constitution of the State of Illinois of 1970 and the laws of the State; and,

**WHEREAS**, the City continue to explore ways to manage residential consumption of water and power, and to inspire its residents to care for our natural resources; and

**WHEREAS**, cities can engage in efforts to inspire their own communities, as well as their neighboring cities, to become better environmental stewards; and

**WHEREAS**, the eighth annual National Mayor’s Challenge for Water Conservation presented by the Wyland Foundation and Toyota, with support from the U.S EPA WaterSense, The Toro Company, National League of Cities, Conserva Irrigation, and Earth Friendly Products (makers of ECOS), is a healthy, non-profit competition for cleaner communities and a water use and pollution reduction competition between our cities; and

**WHEREAS**, with the encouragement of their Mayors, residents may register their participation in their city's Challenge, online, by making simple pledges to decrease their water use and to reduce pollution for the period of one year, thereby assisting their cities to apply State and Federal water conservation strategies and to target mandated reductions; and

**WHEREAS**, from April 1- 30, 2021, the City of Yorkville wishes to inspire its residents and its neighboring communities to take the "Wyland Mayor's Challenge for Water Conservation" by making a series of online pledges at mywaterpledge.com to reduce their impact on the environment and to see immediate savings in their water, trash, and electricity bills;

**NOW, THEREFORE, BE IT RESOLVED** by the Mayor and City Council of the United City of Yorkville, Kendall County, Illinois, as follows:

*Section 1:* That the City agrees and supports the "Wyland Mayor's Challenge for Water Conservation" emphasis.

*Section 2:* That the program is to be implemented from April 1- 30, 2021, through a series of communication and outreach strategies, whether new or existing, to encourage Yorkville residents to take the conservation "Challenge."

*Section 3:* This Resolution shall be in full force and effect upon its passage and approval as provided by law.



Passed by the City Council of the United City of Yorkville, Kendall County,  
Illinois this \_\_\_\_ day of \_\_\_\_\_, A.D. 2021.

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CITY CLERK

KEN KOCH	_____	DAN TRANSIER	_____
JACKIE MILSCHEWSKI	_____	ARDEN JOE PLOCHER	_____
CHRIS FUNKHOUSER	_____	JOEL FRIEDERS	_____
SEAVAR TARULIS	_____	JASON PETERSON	_____

**APPROVED** by me, as Mayor of the United City of Yorkville, Kendall County,  
Illinois this \_\_\_\_ day of \_\_\_\_\_, A.D. 2021.

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MAYOR



## United City of Yorkville Press Release, March 29, 2021

### CONTACT:

Erin Willrett, Assistant City Administrator  
630-553-8574

[ewillrett@yorkville.il.us](mailto:ewillrett@yorkville.il.us)

10th National Mayor's Challenge for Water Conservation, April 1 – 30

### **Yorkville joins nationwide challenge to be most “water wise”**

Mayor Purcell is joining mayors across the country in asking residents to make a long-term commitment to manage water resources more wisely by taking part in the annual Wyland National Mayor's Challenge for Water Conservation — In return residents can win \$3,000 toward their Home Utility Payments, water saving fixtures, and hundreds of other prizes. Plus, one lucky charity from a winning city will receive a 2021 Toyota Highlander Hybrid to serve the community.

The annual challenge, April 1- 30, is a non-profit national community service campaign to see which leaders can best inspire their residents to make a series of informative and easy-to-do online pledges at [mywaterpledge.com](http://mywaterpledge.com) to use water more efficiently, reduce pollution, and save energy. “This challenge is a great way for cities large and small to do our part for the planet – and reward our residents for doing the right thing.” said Mayor Purcell.

Last year, residents from over 2,000 cities in all 50 U.S. states pledged to reduce their annual consumption of freshwater by over 1 billion gallons, reduce waste sent to landfills by 29 million pounds, and preventing hundreds of thousands of pounds of hazardous waste from entering our watersheds.

To participate, residents enter online at [mywaterpledge.com](http://mywaterpledge.com), and then make a series of online pledges to conserve water on behalf of Yorkville, IL. Cities compete in the following population categories: (5,000-29,999 residents, 30,000-99,999 residents, 100,000-299,999 residents, 300,000-599,999 residents, and 600,000+ residents). ). Cities with the highest percentage of residents who take the challenge in their population category a chance to win \$3,000 toward their Home Utility Bills, and hundreds more eco-friendly prizes including Toro Irrigation Smart Controllers, Gift cards for Hobie Surf Shops, and more. In addition, residents can nominate a deserving charity from their city to receive a 2021 Toyota Highlander Hybrid. Students and teachers are encouraged to take part, as well.

The 10th National Mayor's Challenge for Water Conservation is presented by the Wyland Foundation and Toyota, with support from the U.S EPA WaterSense, The Toro Company, National League of Cities, Hobie Surf and Petal.).

### **About the Wyland Foundation**

Founded in 1993 by environmental artist Wyland (best known for his series of 100 monumental marine life murals), the Wyland Foundation, a 501c3 non-profit organization dedicated to promoting, protecting, and preserving the world's ocean, waterways, and marine life. The foundation encourages environmental awareness through community events, education programs, and public art projects.

[www.wylandfoundation.org](http://www.wylandfoundation.org)





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 checked="" type="checkbox"/>
Police	<input type="checkbox"/>
Public Works	<input checked="" type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #14

Tracking Number

PW 2021-21

### Agenda Item Summary Memo

**Title:** Surplus Disposal Request for Public Works Vehicles and Equipment

**Meeting and Date:** Public Works Committee – March 16, 2021

**Synopsis:** 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:** 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  
Carri Parker, Purchasing Manager  
CC: Bart Olson, Administrator  
Date: March 16, 2021  
Subject: Surplus Disposal Request for Public Works Vehicles & Equipment

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## **Summary**

Authorizing the Disposal of Surplus Property Owned by the United City of Yorkville.

## **Background**

During the budgeting process, staff evaluates its department fleet based on the Fleet Replacement Policy. Staff uses the Vehicle Replacement Evaluation Form to determine if a vehicle should continue its service within the said department, be repurposed, or be replaced/disposed of. Once the determination is reached to replace or dispose of the vehicle, it is up to the City Council to approve such action.

Below are vehicles and equipment that the Public Works staff has determined needs to be disposed of with a score of 28 or more points based on the Vehicle Replacement Guideline Evaluation Form:

### **1999 John Deere 4500 with Loader**

This tractor has been used for landscaping, loading small trucks, mowing, and misc. tasks. Staff would like to trade-in this loader for the purchase of a new one. Trade-in value is \$3,000 (Exhibit A).

### **2004 F350 Dump Truck, VIN #1FTWF37SX4ED64867, 97,200 miles**

This truck has been very serviceable for its 17-year career. It has been used to haul materials, pull trailers with equipment, and plow snow during this time. Between age and use, this truck is worn out. It still starts and runs, but we need something that can perform at a high level without the constant worry of mechanical failure. Per the Fleet Replacement Policy, this vehicle qualifies for replacement with a score of 34 (Exhibit B). The estimated value of this truck is between \$4,000-\$5,000.

### **2008 Ford F350 Utility Truck with Plow, Vin #1FDWF37Y08ED57176, 81,054 miles**

This vehicle was the utility truck for the Sewer Department then was transferred to the Water Department. This truck has been used to haul trailers, tools, and equipment to job sites along with snow plowing. The box is rusting through to the frame, and the front end needs extensive work. The replacement truck has already been approved and ordered; staff expects delivery



within the next few weeks. Per the Fleet Replacement Policy, this vehicle qualifies for replacement with a score of 31 (Exhibit C). The estimated value of this truck is \$4,000-\$5,000.

**2005 Ford F250 Extended Cab, VIN# 1FTSX21575EC28484, 114,000 miles**

This vehicle came from the Engineering Department. in 2010 and has been used in the water department since. It is currently being used as the meter repair truck. This vehicle has significant mechanical and body issues. The replacement truck has already been approved and ordered; staff expects delivery within the next few weeks. Per the Fleet Replacement Policy, this vehicle qualifies for replacement with a score of 36 (Exhibit D). The estimated value of this vehicle is \$1,500-\$2,500.

**2004 Ford F150, VIN# 2FTRX18W04CA79086, 127,191 miles**

This vehicle came from the Engineering Department in 2010 and has been in the Water Department since. The vehicle is unreliable with its mechanical issues and is no longer in service. Per the Fleet Replacement Policy, this vehicle qualifies for replacement with a score of 35 (Exhibit E). The estimated value of this truck is between \$1,500 - \$2,500.

**2000 GMC Safari Van, VIN# 1GKDM19W8YB540252, unknown miles**

This van came from the Recreation Division when they were done with it. We took it to use for the meter readers, and for a short time, we tried using it for meter installation. This vehicle's mechanical repairs are more than the value of the vehicle. Per the Fleet Replacement Policy, this vehicle qualifies for replacement with a score of 35 (Exhibit F). The estimated value of this vehicle is \$1,000.

**Recommendation**

The staff recommendation is to dispose of said items listed above per the City Procurement Code upon approval of the surplus disposal.

**Attachments**

- Resolution
- Exhibit A – Tractor/loader Trade-In Value
- Exhibit B - Vehicle Replacement Evaluation Form – 2004 F350 Dump Truck
- Exhibit C - Vehicle Replacement Evaluation Form – 2008 Ford F350 Utility Truck with Plow
- Exhibit D - Vehicle Replacement Evaluation Form – 2005 Ford F250 Extended Cab
- Exhibit E - Vehicle Replacement Evaluation Form – 2004 Ford F150
- Exhibit F - Vehicle Replacement Evaluation Form – 2000 GMC Safari Van



**A RESOLUTION OF THE UNITED CITY OF YORKVILLE, ILLINOIS,  
AUTHORIZING THE DISPOSAL OF PERSONAL PROPERTY  
OWNED BY THE CITY**

*(City Owned Vehicles)*

**WHEREAS**, the United City of Yorkville (the “City”) is a duly organized and validly existing non home-rule municipality created in accordance with the Constitution of the State of Illinois of 1970 and the laws of the State; and,

**WHEREAS**, in the opinion of a majority of the Mayor and City Council (the “Corporate Authorities”) of the United City of Yorkville it is no longer necessary, useful to or in the best interests of the United City of Yorkville to retain ownership of the personal property hereinafter described; and,

**WHEREAS**, 1999 John Deere 4500 with Loader, 2004 F350 Dump Truck, VIN, #1FTWF37SX4ED64867, 2008 Ford F350 Utility Truck with Plow, Vin #1FDWF37Y08ED57176, 2005 Ford F250 Extended Cab, VIN# 1FTSX21575EC28484, 2004 Ford F150, VIN# 2FTRX18W04CA79086, 2000 GMC Safari Van, VIN# 1GKDM19W8YB540252 have been found to have serious mechanical issues which would mandate costly repairs and therefore should be disposed of; and

**WHEREAS**, it has further been determined that the disposal should be made in any manner deemed to be in the best interest of the City.

**NOW, THEREFORE, BE IT RESOLVED** by the Mayor and City Council of the United City of Yorkville, Kendall County, Illinois:

*Section 1:* The foregoing recitals are hereby incorporated in this Resolution as findings of the Corporate Authorities.

*Section 2:* Pursuant to said Section 11-76-4 of the Illinois Municipal Code (65 ILCS 5/11-76-4), the City Administrator is hereby authorized and directed to proceed with the disposal of the vehicles through a public auction as deemed to be in the best interest of the City, disclaiming all warranties and representations of any kind or nature, whether oral or written, express or implied.

*Section 3:* That this Resolution shall be in full force and effect from and after its passage and approval as provided by law.



Passed by the City Council of the United City of Yorkville, Kendall County,  
Illinois this \_\_\_\_ day of \_\_\_\_\_, A.D. 2021.

\_\_\_\_\_  
CITY CLERK

KEN KOCH	_____	DAN TRANSIER	_____
JACKIE MILSCHEWSKI	_____	ARDEN JOE PLOCHER	_____
CHRIS FUNKHOUSER	_____	JOEL FRIEDERS	_____
SEAVAR TARULIS	_____	JASON PETERSON	_____

**APPROVED** by me, as Mayor of the United City of Yorkville, Kendall County,  
Illinois this \_\_\_\_ day of \_\_\_\_\_, A.D. 2021.

\_\_\_\_\_  
MAYOR

*Attest:*

\_\_\_\_\_  
CITY CLERK





## Trade-in

Quote Id: 23383293

Customer Name: YORKVILLE

ALL PURCHASE ORDERS MUST BE MADE OUT TO (VENDOR):

Deere & Company  
2000 John Deere Run  
Cary, NC 27513  
FED ID: 36-2382580;  
DUNS#: 60-7690989

1999 JOHN DEERE 4500 SN# LV4500P253566	
Machine Details	
Description	Net Trade Value
1999 JOHN DEERE 4500	\$ 3,000.00
SN# LV4500P253566	
Your Trade In Description	
Additional Options	
Hour Meter Reading	4213
Total	\$ 3,000.00



<b>Vehicle #</b>	Y19	<b>Year</b>	2004	<b>United City of Yorkville</b> <b>Vehicle Replacement Guideline</b> <b>Evaluation Form</b>	
<b>Make</b>	FORD	<b>Model</b>	F350 DUMP		
<b>Miles</b>	90,000	<b>Hours</b>			
<b>Original \$</b>	36,000.00	<b>(date)</b>	5/1/04		
<b>Budgeted Replacement \$</b>	\$36,000.00			<b>Replacement Point Range:</b>	
<b>Sale /Auction / Estimated Trade-in \$</b>	\$5,000.00			Under 18 points	Condition I Excellent
<b>Life Expectancy</b>	10			18 - 22 points	Condition II Good
<b>Type of Service</b>	4			23 - 27 points	Condition III Qualifies for replacement
<b>Division</b>	STREETS			28+ points	Condition IV High priority replacement



FACTOR	POINTS	DESCRIPTION	VEHICLE SCORE
AGE	1	Each year of chronological age	15
MILES / HOURS	1	Each 10,000 miles of usage	9
	1	Each 700 hours of usage (priority over miles on heavy duty and off-road equipment)	
TYPE OF SERVICE	1	Standard sedans and light pickups	4
	2	Standard vehicles with the occasional off-road usage	
	3	Vehicles that pull trailers, haul heavy loads, has continued off-road usage, and police	
	4	Any vehicle involved in snow removal	
	5	Police emergency response vehicles	
RELIABILITY (PM work is not included)	1	In shop one time within a three month time period, no major breakdowns or road calls	1
	2	In shop one time within a three month time period, 1 breakdown or road call within a three	
	3	In shop more than twice within a one month time period, no major breakdown or road call	
	4	In shop more than once within one month time period, two or more breakdowns/road calls within	
	5	In shop more than twice monthly, two or more breakdowns within one month time period	
MAINTENANCE AND REPAIR COSTS (Accident Repairs not included)	1	Maintenance costs (cumulative total) are ≤ 10% of purchase cost	2
	2	Maintenance costs (cumulative total) are ≤ 25% of purchase cost	
	3	Maintenance costs (cumulative total) are ≤ 45% of purchase cost	
	4	Maintenance costs (cumulative total) are ≤ 60% of purchase cost	
	5	Maintenance costs (cumulative total) are ≥ 61% of purchase cost	
CONDITION	1	Good drive train and minor body imperfections (road chips, scratches)	3
	2	Imperfections in body & paint, paint fading & dents, interior fair (no rips, tears, burns), and a	
	3	Noticeable imperfections in body and paint surface, some minor rust, minor damage from add-on	
	4	Previous accident damage, poor paint and body condition, rust (holes), bad interior (tears, rips,	
	5	Previous accident damage, poor paint, bad interior, drive train that is damaged or inoperative,	
<b>TOTAL</b>			<b>34</b>



<b>Vehicle #</b>	Y4	<b>Year</b>	2008	<b>United City of Yorkville Vehicle Replacement Guideline Evaluation Form</b>		
<b>Make</b>	FORD	<b>Model</b>	F350 UTILITY			
<b>Miles</b>	81,054	<b>Hours</b>	5,182			
<b>Original \$</b>	45,000.00	<b>(date)</b>	5/1/08			
<b>Budgeted Replacement \$</b>	\$65,000.00			<b>Replacement Point Range:</b>		
<b>/Auction / Estimated Trade-in \$</b>	\$7,000.00			Under 18 points	Condition I	Excellent
<b>Life Expectancy</b>	10			18 - 22 points	Condition II	Good
<b>Type of Service</b>	4			23 - 27 points	Condition III	Qualifies for replacement
<b>Division</b>	SEWER AND WATER			28+ points	Condition IV	High priority replacement



FACTOR	POINTS	DESCRIPTION	VEHICLE SCORE
AGE	1	Each year of chronological age	13
MILES / HOURS	1	Each 10,000 miles of usage	8
	1	Each 700 hours of usage (priority over miles on heavy duty and off-road equipment)	
TYPE OF SERVICE	1	Standard sedans and light pickups	4
	2	Standard vehicles with the occasional off-road usage	
	3	Vehicles that pull trailers, haul heavy loads, has continued off-road usage, and police	
	4	Any vehicle involved in snow removal	
	5	Police emergency response vehicles	
RELIABILITY (PM work is not included)	1	In shop one time within a three month time period, no major breakdowns or road calls	1
	2	In shop one time within a three month time period, 1 breakdown or road call within a	
	3	In shop more than twice within a one month time period, no major breakdown or road call	
	4	In shop more than once within one month time period, two or more breakdowns/road calls	
	5	In shop more than twice monthly, two or more breakdowns within one month time period	
MAINTENANCE AND REPAIR COSTS (Accident Repairs not included)	1	Maintenance costs (cumulative total) are $\leq$ 10% of purchase cost	1
	2	Maintenance costs (cumulative total) are $\leq$ 25% of purchase cost	
	3	Maintenance costs (cumulative total) are $\leq$ 45% of purchase cost	
	4	Maintenance costs (cumulative total) are $\leq$ 60% of purchase cost	
	5	Maintenance costs (cumulative total) are $\geq$ 61% of purchase cost	
CONDITION	1	Good drive train and minor body imperfections (road chips, scratches)	4
	2	Imperfections in body & paint, paint fading & dents, interior fair (no rips, tears, burns),	
	3	Noticeable imperfections in body and paint surface, some minor rust, minor damage from	
	4	Previous accident damage, poor paint and body condition, rust (holes), bad interior (tears,	
	5	Previous accident damage, poor paint, bad interior, drive train that is damaged or	

**TOTAL 31**



<b>Vehicle #</b>	Y30	<b>Year</b>	2005	<b>United City of Yorkville</b>	
<b>Make</b>	FORD	<b>Model</b>	F250		
<b>Miles</b>	114,000	<b>Hours</b>	5,705	<b>Vehicle Replacement Guideline Evaluation Form</b>	
<b>Original \$</b>	22,000.00	<b>(date)</b>	5/1/05		
<b>Budgeted Replacement \$</b>	\$55,000.00			<b>Replacement Point Range:</b>	
<b>/Auction / Estimated Trade-in \$</b>	\$1,000.00			Under 18 points	Condition I Excellent
<b>Life Expectancy</b>	10			18 - 22 points	Condition II Good
<b>Type of Service</b>	4			23 - 27 points	Condition III Qualifies for replacement
<b>Division</b>	WATER			28+ points	Condition IV High priority replacement



FACTOR	POINTS	DESCRIPTION	VEHICLE SCORE
AGE	1	Each year of chronological age	16
MILES / HOURS	1	Each 10,000 miles of usage	11
	1	Each 700 hours of usage (priority over miles on heavy duty and off-road equipment)	
TYPE OF SERVICE	1	Standard sedans and light pickups	4
	2	Standard vehicles with the occasional off-road usage	
	3	Vehicles that pull trailers, haul heavy loads, has continued off-road usage, and police	
	4	Any vehicle involved in snow removal	
	5	Police emergency response vehicles	
RELIABILITY (PM work is not included)	1	In shop one time within a three month time period, no major breakdowns or road calls	1
	2	In shop one time within a three month time period, 1 breakdown or road call within a	
	3	In shop more than twice within a one month time period, no major breakdown or road	
	4	In shop more than once within one month time period, two or more breakdowns/road	
	5	In shop more than twice monthly, two or more breakdowns within one month time	
MAINTENANCE AND REPAIR COSTS (Accident Repairs not included)	1	Maintenance costs (cumulative total) are ≤ 10% of purchase cost	1
	2	Maintenance costs (cumulative total) are ≤ 25% of purchase cost	
	3	Maintenance costs (cumulative total) are ≤ 45% of purchase cost	
	4	Maintenance costs (cumulative total) are ≤ 60% of purchase cost	
	5	Maintenance costs (cumulative total) are ≥ 61% of purchase cost	
CONDITION	1	Good drive train and minor body imperfections (road chips, scratches)	3
	2	Imperfections in body & paint, paint fading & dents, interior fair (no rips, tears, burns),	
	3	Noticeable imperfections in body and paint surface, some minor rust, minor damage	
	4	Previous accident damage, poor paint and body condition, rust (holes), bad interior	
	5	Previous accident damage, poor paint, bad interior, drive train that is damaged or	
<b>TOTAL</b>			<b>36</b>



<b>Vehicle #</b>	Y29	<b>Year</b>	2004	<b>United City of Yorkville</b> <b>Vehicle Replacement Guideline</b> <b>Evaluation Form</b>		
<b>Make</b>	FORD	<b>Model</b>	F150 4X4			
<b>Miles</b>	127,191	<b>Hours</b>				
<b>Original \$</b>		<b>(date)</b>				
<b>Budgeted Replacement \$</b>	\$36,000.00			<b>Replacement Point Range:</b>		
<b>/Auction / Estimated Trade-in \$</b>	\$2,000.00			Under 18 points	Condition I	Excellent
<b>Life Expectancy</b>	10			18 - 22 points	Condition II	Good
<b>Type of Service</b>	2			23 - 27 points	Condition III	Qualifies for replacement
<b>Division</b>	WATER			28+ points	Condition IV	High priority replacement



FACTOR	POINTS	DESCRIPTION	VEHICLE SCORE
AGE	1	Each year of chronological age	15
MILES / HOURS	1	Each 10,000 miles of usage	12
	1	Each 700 hours of usage (priority over miles on heavy duty and off-road equipment)	
TYPE OF SERVICE	1	Standard sedans and light pickups	2
	2	Standard vehicles with the occasional off-road usage	
	3	Vehicles that pull trailers, haul heavy loads, has continued off-road usage, and police	
	4	Any vehicle involved in snow removal	
	5	Police emergency response vehicles	
RELIABILITY (PM work is not included)	1	In shop one time within a three month time period, no major breakdowns or road calls	1
	2	In shop one time within a three month time period, 1 breakdown or road call within a	
	3	In shop more than twice within a one month time period, no major breakdown or road	
	4	In shop more than once within one month time period, two or more breakdowns/road	
	5	In shop more than twice monthly, two or more breakdowns within one month time	
MAINTENANCE AND REPAIR COSTS (Accident Repairs not included)	1	Maintenance costs (cumulative total) are ≤ 10% of purchase cost	2
	2	Maintenance costs (cumulative total) are ≤ 25% of purchase cost	
	3	Maintenance costs (cumulative total) are ≤ 45% of purchase cost	
	4	Maintenance costs (cumulative total) are ≤ 60% of purchase cost	
	5	Maintenance costs (cumulative total) are ≥ 61% of purchase cost	
CONDITION	1	Good drive train and minor body imperfections (road chips, scratches)	3
	2	Imperfections in body & paint, paint fading & dents, interior fair (no rips, tears, burns),	
	3	Noticeable imperfections in body and paint surface, some minor rust, minor damage	
	4	Previous accident damage, poor paint and body condition, rust (holes), bad interior	
	5	Previous accident damage, poor paint, bad interior, drive train that is damaged or	
<b>TOTAL</b>			<b>35</b>



<b>Vehicle #</b>	32	<b>Year</b>	2000	<b>United City of Yorkville</b>	
<b>Make</b>	GMC	<b>Model</b>	Safari Van		
<b>Miles</b>		<b>Hours</b>		<b>Vehicle Replacement Guideline Evaluation Form</b>	
<b>Original \$</b>		<b>(date)</b>			
<b>Budgeted Replacement \$</b>	\$0.00			<b>Replacement Point Range:</b>	
<b>sale / Auction / Estimated Trade-in \$</b>	\$500.00			Under 18 points	Condition I      Excellent
<b>Life Expectancy</b>	10			18 - 22 points	Condition II      Good
<b>Type of Service</b>	misc.			23 - 27 points	Condition III      Qualifies for replacement
<b>Division</b>	water			28+ points	Condition IV      High priority replacement

FACTOR	POINTS	DESCRIPTION	VEHICLE SCORE
AGE	1	Each year of chronological age	21
MILES / HOURS	1	Each 10,000 miles of usage	7
	1	Each 700 hours of usage (priority over miles on heavy duty and off-road equipment)	
TYPE OF SERVICE	1	Standard sedans and light pickups	1
	2	Standard vehicles with the occasional off-road usage	
	3	Vehicles that pull trailers, haul heavy loads, has continued off-road usage, and police	
	4	Any vehicle involved in snow removal	
	5	Police emergency response vehicles	
RELIABILITY (PM work is not included)	1	In shop one time within a three month time period, no major breakdowns or road calls	1
	2	In shop one time within a three month time period, 1 breakdown or road call within a	
	3	In shop more than twice within a one month time period, no major breakdown or road	
	4	In shop more than once within one month time period, two or more breakdowns/road	
	5	In shop more than twice monthly, two or more breakdowns within one month time	
MAINTENANCE AND REPAIR COSTS (Accident Repairs not included)	1	Maintenance costs (cumulative total) are ≤ 10% of purchase cost	2
	2	Maintenance costs (cumulative total) are ≤ 25% of purchase cost	
	3	Maintenance costs (cumulative total) are ≤ 45% of purchase cost	
	4	Maintenance costs (cumulative total) are ≤ 60% of purchase cost	
	5	Maintenance costs (cumulative total) are ≥ 61% of purchase cost	
CONDITION	1	Good drive train and minor body imperfections (road chips, scratches)	3
	2	Imperfections in body & paint, paint fading & dents, interior fair (no rips, tears, burns),	
	3	Noticeable imperfections in body and paint surface, some minor rust, minor damage	
	4	Previous accident damage, poor paint and body condition, rust (holes), bad interior	
	5	Previous accident damage, poor paint, bad interior, drive train that is damaged or	
<b>TOTAL</b>			<b>35</b>





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 checked="" type="checkbox"/>
Police	<input type="checkbox"/>
Public Works	<input checked="" type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #15

Tracking Number

PW 2021-22

### Agenda Item Summary Memo

**Title:** FY2021 Public Works Vehicle and Equipment Purchase Discussion

**Meeting and Date:** Public Works Committee – March 16, 2021

**Synopsis:** See attached memo

### Council Action Previously Taken:

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

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

**Type of Vote Required:** Approval

**Council Action Requested:** Majority

**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, Administrator  
Date: March 16, 2021  
Subject: Capital Purchases – PW Capital Discussion

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## **Summary**

Discussion of FY2021 Vehicle and Equipment Purchases.

## **Background**

The City Council authorized the purchase of a new large dump truck and the rehab of two older dump trucks in FY 20, and the City took delivery of these trucks in FY 21. This put the City's fleet of large dump trucks at 9 total: 1 new (2019), 1 almost new (2016), 2 rehabbed (2006 and 2008), and 5 older trucks (2004, 2006, 2007, 2007, and 2008).

At this time, there is approximately \$66,000 remain for equipment purchases in the Public Works Capital budget (\$130,000 budgeted v. \$63,986 spent to date) due to savings from a lower than anticipated purchase price for our skid steer and delaying the purchase of a mower. Staff would like to use the remaining budgeted funds to purchase a much needed replacement tractor.

The proposed \$680,000 plus the \$66,000 remaining in the PW capital fund would be used to purchase the following vehicles and equipment:

## **Equipment Purchase**

1. Model: John Deere 4066R With Loader  
Price: \$41,414.17 (purchased with leftover FY 21 funds, no budget amendment needed)  
Expected Delivery: 4-6 weeks  
Quote: Exhibit A

This will replace a 1999 unit with unknown hours. Our current tractor does not have enough horsepower to do what we need it to do. After 22 years of service, it is time to replace this tractor with something that better suits our needs. The new tractor will be outfitted with a 10' finish mower to help us improve our efficiency by saving us time when mowing large open areas such as treatment plants and tower sites.



2. Model: Toro Z-Master 5000 Lawn Mower  
Price: \$11,300. (7% increase over last year per vendor, purchased with FY 21 budget amendment funds)  
Expected Delivery: 4-6 weeks  
Quote: Exhibit B

Addition to the fleet to assist in mowing.

3. Model: Caterpillar 930M Wheel loader  
Price: \$153,580.00 (purchased with FY 21 budget amendment funds)  
Expected Delivery: Usually 6-8 weeks. It could be longer if demand increases.  
Quote: Exhibit C

This will replace a 2006 unit with mechanical problems, needs new tires (\$12,000), and the cab is rusting severely. We looked at rehabilitation for this machine, but the cost is too great compared to the resale value.

4. Model: SP300 Dual Spray Squeegee Sealcoat Machine  
Price: \$54,034.50 (purchased with FY 21 budget amendment funds)  
Expected Delivery: 4-8 weeks from order date  
Quote: Exhibit D

A new addition to the fleet to maintain trails and parking lots.

5. Model: LineLazer 5900 Striping machine  
Price: \$8,500.00 (purchased with FY 21 budget amendment funds)  
Expected Delivery: Immediate  
Quote: Exhibit E

This is a replacement for a current unit that does not have laser guidance or the ability to stripe dual lines.

6. Grapple bucket for wheel loader  
Price: \$15,000 (purchased with FY 21 budget amendment funds)  
Expected Delivery: Immediate  
Quote: Waiting for a quote, will provide when available.



### **Vehicle Purchase**

1. Model: 1 Ton Truck with Plow (proposing 2 trucks)  
Price: \$114,000 each – includes utility boxes and snowplows. (purchased with FY 21 budget amendment funds, almost certainly rolled over into FY 22)  
Expected Delivery: unknown. It could be August, could be later  
Quote: Exhibit F

One of the proposed trucks will be a replacement for a 2004 model, and one will be an addition to the fleet. The 2004 model has 97,000 miles of hauling materials and plowing snow. It has served us well, but it is now time to replace it before anything significant goes wrong.

2. Model: Peterbilt 348 Single Axle Cab & Chassis  
Price: \$216,000 - includes equipment needed to outfit the vehicle. (purchased with FY 21 budget amendment funds, almost certainly rolled over into FY 22)  
Expected Delivery: 10-12 months from order date  
Quote: Exhibit G

This will be an addition to the fleet to assist in snow removal operations. Unfortunately, It will not be here for the next plow season.

3. Model: Rehabilitation of two (2) 2007 International dump trucks  
Price: \$150,000 – includes box replacement, sandblasting and painting of steel parts, new spreader, new brine tank system, new strobe lights, new hydraulic block and lines, and new plow for one of the units. (purchased with FY 21 budget amendment funds, almost certainly rolled over into FY 22)  
Expected Delivery – 3-6 months after approval.

These will be ready for the next plow season, which is crucial. This will allow us to provide better service to the residents at a lower cost than purchasing new trucks.




**ALL PURCHASE ORDERS MUST BE MADE OUT TO (VENDOR):**

Deere & Company  
2000 John Deere Run  
Cary, NC 27513  
FED ID: 36-2382580; DUNS#: 60-7690989

**ALL PURCHASE ORDERS MUST BE SENT TO DELIVERING DEALER:**

AHW LLC  
559 South Main  
Elburn, IL 60119  
630-365-6020  
dlelburn@ahwllc.com

**Quote Summary**
**Prepared For:**

Yorkville  
Eric Dhuse  
800 GAME FARM RD  
YORKVILLE, IL 60560  
Business: 630-553-4370

**Delivering Dealer:**

**AHW LLC**  
George Ohara  
559 South Main  
Elburn, IL 60119  
Phone: 630-365-6020

**Quote ID:** 23383293

**Created On:** 28 December 2020

**Last Modified On:** 28 December 2020

**Expiration Date:** 29 January 2021

Equipment Summary	Suggested List	Selling Price	Qty	Extended
JOHN DEERE 4066R Compact Utility Tractor (52 PTO hp) <b>Contract:</b> Sourcewell Grounds Maintenance 062117-DAC (PG NB CG 70) <b>Price Effective Date:</b> December 24, 2020	\$ 50,661.10	\$ 41,542.11 X	1 =	\$ 41,542.11
Frontier AF11E - 6 Ft. Boom Mounted Front Blade with Manual Angle for Current 300/400/500 Series Carrier <b>Contract:</b> Sourcewell Grounds Maintenance 062117-DAC (PG NB CG 70) <b>Price Effective Date:</b> December 24, 2020	\$ 3,448.00	\$ 2,872.36 X	1 =	\$ 2,872.36
<b>Equipment Total</b>				<b>\$ 44,414.47</b>

Trade In Summary	Qty	Each	Extended
1999 JOHN DEERE 4500 - LV4500P253566	1	\$ 3,000.00	\$ 3,000.00
PayOff			\$ 0.00
Total Trade Allowance			\$ 3,000.00
<b>Trade In Total</b>			<b>\$ 3,000.00</b>

\* Includes Fees and Non-contract items

**Quote Summary**

Equipment Total \$ 44,414.47

Trade In \$ (3,000.00)

Salesperson : X \_\_\_\_\_

Accepted By : X \_\_\_\_\_





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**ALL PURCHASE ORDERS MUST BE MADE OUT  
TO (VENDOR):**

Deere & Company  
2000 John Deere Run  
Cary, NC 27513  
FED ID: 36-2382580; DUNS#: 60-7690989

**ALL PURCHASE ORDERS MUST BE SENT  
TO DELIVERING DEALER:**

AHW LLC  
559 South Main  
Elburn, IL 60119  
630-365-6020  
dieleburn@ahwllc.com

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SubTotal	<b>\$ 41,414.47</b>
Est. Service	\$ 0.00
Agreement Tax	
Total	<b>\$ 41,414.47</b>
Down Payment	(0.00)
Rental Applied	(0.00)
<b>Balance Due</b>	<b>\$ 41,414.47</b>

Salesperson : X \_\_\_\_\_

Accepted By : X \_\_\_\_\_

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*Confidential*





# Selling Equipment

Quote Id: 23383293      Customer Name: YORKVILLE

**ALL PURCHASE ORDERS MUST BE MADE OUT TO (VENDOR):**

Deere & Company  
2000 John Deere Run  
Cary, NC 27513  
FED ID: 36-2382580; DUNS#: 60-7690989

**ALL PURCHASE ORDERS MUST BE SENT TO DELIVERING DEALER:**

AHW LLC  
559 South Main  
Elburn, IL 60119  
630-365-6020  
dleburn@ahwllc.com

## JOHN DEERE 4066R Compact Utility Tractor (52 PTO hp)

Hours:

Suggested List \*

Stock Number:

\$ 50,661.10

Contract: Sourcewell Grounds Maintenance 062117-DAC  
(PG NB CG 70)

Selling Price \*

\$ 41,542.11

Price Effective Date: December 24, 2020

\* Price per item - includes Fees and Non-contract items

Code	Description	Qty	List Price	Discount%	Discount Amount	Contract Price	Extended Contract Price
0389LV	4066R Compact Utility Tractor (52 PTO hp)	1	\$ 42,657.00	18.00	\$ 7,678.26	\$ 34,978.74	\$ 34,978.74
<b>Standard Options - Per Unit</b>							
0202	United States	1	\$ 0.00	18.00	\$ 0.00	\$ 0.00	\$ 0.00
0409	English Operator's Manual and Decal Kit	1	\$ 0.00	18.00	\$ 0.00	\$ 0.00	\$ 0.00
1520	eHydro™	1	\$ 0.00	18.00	\$ 0.00	\$ 0.00	\$ 0.00
1701	Factory Installed Loader with Bucket	1	\$ 7,235.00	18.00	\$ 1,302.30	\$ 5,932.70	\$ 5,932.70
2005	Open Station with Deluxe Seat	1	\$ 0.00	18.00	\$ 0.00	\$ 0.00	\$ 0.00
2650	Less Radio	1	\$ 0.00	18.00	\$ 0.00	\$ 0.00	\$ 0.00
4061	Less iMatch™ Quick Hitch Category 1	1	\$ 0.00	18.00	\$ 0.00	\$ 0.00	\$ 0.00
5090	Less Wheel Spacer	1	\$ 0.00	18.00	\$ 0.00	\$ 0.00	\$ 0.00
5243	44x18-20 (4PR, R3 Turf, 1 Position)	1	\$ -497.00	18.00	\$ -89.46	\$ -407.54	\$ -407.54
6243	27x10.50-15 (4PR, R3 Turf, 2 Position)	1	\$ 0.00	18.00	\$ 0.00	\$ 0.00	\$ 0.00
<b>Standard Options Total</b>			<b>\$ 6,738.00</b>		<b>\$ 1,212.84</b>	<b>\$ 5,525.16</b>	<b>\$ 5,525.16</b>
<b>Dealer Attachments/Non-Contract/Open Market</b>							
BLV10844	Tractor Drawbar Assembly	1	\$ 300.30	18.00	\$ 54.05	\$ 246.25	\$ 246.25
BLV10050	4th and 5th Selective Control Valve Kit (OOS Only)	1	\$ 965.80	18.00	\$ 173.84	\$ 791.96	\$ 791.96
<b>Dealer Attachments Total</b>			<b>\$ 1,266.10</b>		<b>\$ 227.90</b>	<b>\$ 1,038.21</b>	<b>\$ 1,038.21</b>
<b>Value Added Services Total</b>			<b>\$ 0.00</b>			<b>\$ 0.00</b>	<b>\$ 0.00</b>





## Trade-in

Quote Id: 23383293

Customer Name: YORKVILLE

ALL PURCHASE ORDERS MUST BE MADE OUT TO (VENDOR):

Deere & Company  
2000 John Deere Run  
Cary, NC 27513  
FED ID: 36-2382580;  
DUNS#: 60-7690989

1999 JOHN DEERE 4500 SN# LV4500P253566	
Machine Details	
Description	Net Trade Value
1999 JOHN DEERE 4500	\$ 3,000.00
SN# LV4500P253566	
Your Trade In Description	
Additional Options	
Hour Meter Reading	4213
Total	\$ 3,000.00





**RussoPower.com**

1636 North Aurora Road  
Naperville, IL 60563  
630-219-2440

**Sales Quote**  
**SQ10035433**

Page 1 of 1

**Bill-to**

City of Yorkville  
Scott Sleezer  
800 Game Farm Road  
Yorkville, IL 60560

**Ship-to**

City of Yorkville  
Scott Sleezer  
800 Game Farm Road  
Yorkville, IL 60560

**Quote Details**

**Customer ID** 1039079  
**Customer PO** SCOTT MOWERS  
**Sales Rep** Paul Stebel  
**Document Date** 7/23/2020  
**Shipment Method** Delivery  
**Terms** Net 25 EOM

Item No.	Description	Qty	List Price	Unit Price	Line Amount
72945TOR	Ride Mower / 72" / 26.5hp KohEFI / Z-Mstr 5000/Susp	0	15,348.00	10,498.00	0.00

**Place your orders without the need to be in our stores!**

Call, text, or email us! Keep your business running by communicating your orders electronically and arrange for delivery or will-call pick up. Be sure to utilize this as an alternative option to visiting one of our Chicagoland locations.

Visit RussoPower.com for more details.

Prices reflected on this quote are valid for 15 days

**Signature :** \_\_\_\_\_

<b>Subtotal</b>	<b>0.00</b>
Discount	0.00
Tax	0.00
<b>Total</b>	<b>0.00</b>





121030-01

October 14, 2020

UNITED CITY OF YORKVILLE  
800 GAME FARM RD  
YORKVILLE, IL 60560

Attention: ERIC J DHUSE



Dear Eric J Dhuse,

We would like to thank you for your interest in our company and our products and are pleased to quote the following for your consideration.

**ONE (1) NEW CATERPILLAR MODEL: 930M SMALL WHEEL LOADER WITH ALL STANDARD EQUIPMENT IN ADDITION TO THE ADDITIONAL SPECIFICATIONS LISTED BELOW:**

**STOCK NUMBER: TBO****SERIAL NUMBER: TBO****YEAR: 2021****SMU: 0**

We wish to thank you for the opportunity of quoting on your equipment needs. This quotation is valid for 30 days, after which time we reserve the right to re-quote. If there are any questions, please do not hesitate to contact me. **In closing, we do greatly appreciate this opportunity to earn your business. We are confident that our products, backed by our unparalleled product support after the sale, will exceed your expectations.**

Sincerely,

*Chad Wissen*

Chad Wissen  
Machine Sales Representative



**ONE (1) NEW CATERPILLAR MODEL: 930M SMALL WHEEL LOADER WITH ALL STANDARD EQUIPMENT IN ADDITION TO THE ADDITIONAL SPECIFICATIONS LISTED BELOW:**

**STANDARD EQUIPMENT**

**POWERTRAIN** -Axle seal guards -Auto idle shut down feature -Cat C7.1ACERT engine – Power modes (standard and performance) – Power by range (high Power in range 4) – Tier 4 Final/Stage IV compliant – Turbocharged and aftercooled – Filtered crankcase breather – Diesel particulate filter – Selective catalyst reduction -Coolant protection to -34C (-29F) -Differential lock in front axle -Dry type air cleaner -Enclosed wet disc full hydraulic brakes -Fuel priming pump, automatic -Fuel water separator -Hydraulically driven demand cooling fan -Hydrostatic transmission with electronic -control – Operator modes (default, TC, hydrostat and -ice) – Directional shift aggressiveness (fast, -medium, slow) – Rim pull control, adjust wheel torque – Creeper control, adjust ground speed -Lubed for life driveshafts -Parking brake, electric -Single plane cooling package wide 6 fins -per inch density -S-O-S port, engine, coolant, transmission -oil

**HYDRAULICS** -Automatic lift and bucket kickouts, -adjustable in-cab -Bucket and fork modes, adjustable in-cab -Cylinder damping at kickout and -mechanical end stops -Fine mode control (fast, medium, slow) -in fork mode -Hydraulic response setting (fast, -medium, slow) -Hydraulic diagnostic connectors and -S-O-S ports -Hydraulic sight gauge, visible -Load sensing hydraulics and steering -Seat mounted hydraulic joystick controls

**ELECTRICAL** -Alternator, 115-amp, heavy duty -12V power supply in cab (2) -Batteries, 1,000 CCA (2) 24 volt system, -disconnect switch -Back up alarm -Emergency shutdown switch -LED rear stop and turn lights -Heavy duty gear reduction starter -Product Link PRO w/3 year subscription -Remote jump start post -Resettable main and critical function -breakers -Roading lights front and rear

**OPERATOR ENVIRONMENT** -75 mm (3 in) retractable seatbelt -Automatic temperature control -Cab, enclosed ROPS/FOPS pressurized -and sound suppressed -Cup holders -External heated mirrors with lower -parabolic -Ground level cab door release -Gauges – Digital hour meter, odometer and -tachometer – Digital ground speedometer and -direction indicator – Engine coolant temperature gauge – Fuel and diesel exhaust fluid level -indicator – Hydraulic oil temperature gauge -Hydraulic control lockout -Interior cab lighting, door and dome -Interior rearview mirrors (2) -Lunch box storage -Operator warning system indicators -Radio ready speakers -Rear window defrost, electric -Seat mounted electronic implement -controls, adjustable -Sliding glass on the side windows -Column mounted multi-function control – lights, wipers, turn signal -Suspension seat, fabric -Tilt and telescope steering wheel -Tinted front glass -Wet arm wiper/washer, 2-speed and -intermittent, front -Wet arm wiper washer, rear

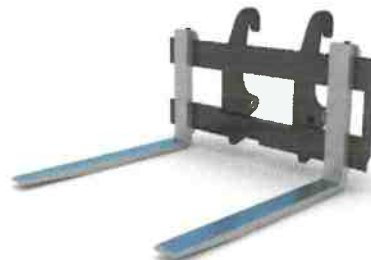
**OTHER STANDARD EQUIPMENT** -Large-access enclosure doors with -adjustable close/open force -Parallel lift loader linkage -Recovery hitch with pin -Remote mounted lubrication points -Vandalism protection- -lockable compartments





**MACHINE SPECIFICATIONS**

930M WHEEL LOADER	541-2671
LANE 3 ORDER	0P-9003
PREP PACK, UNITED STATES	430-2943
STEERING, STANDARD	333-6850
DIFFERENTIAL, LIMITED SLIP REAR	333-6527
ENVIRONMENT, STANDARD	536-5320
WEATHER, COLD START 120V	525-5964
ENGINE	527-0422
HYDRAULICS, 3V, CPLR READY, SL	565-0933
HYDRAULICS, STANDARD	536-5283
LINES, AUX 3RD, STD LIFT	530-1623
JUMPER LINES, AUX 3RD, FUSION	445-4725
LIGHTS, AUX, HALOGEN	559-0841
LIGHTS, ROADING, HALOGEN, RH	541-3066
CAB, DELUXE	549-0451
SEAT, DELUXE	563-5967
RADIO, BLUETOOTH, AUX, MIC	372-1868
PRODUCT LINK, CELLULAR PL641	565-0908
TIRES, 20.5R25 MX XHA2 * L3	366-6880
FENDERS, STANDARD	366-8148
COUNTERWEIGHT, HEAVY	552-4465
TOOLBOX AUX	491-7922
KIT, SERIALIZED TECHNICAL MEDIA	0P-2491
RIDE CONTROL	430-2860
WARNING, BEACON, LED STROBE	333-1425
SIDE MIRROR, RH	482-5167
GUARD, POWERTRAIN, LOWER	349-8165
CERTIFICATE OF ORIGIN, ENGLISH	0G-6022
PACK, DOMESTIC TRUCK	0P-0210
<b>QUICK COUPLER, FUSION</b>	536-5313
<b>BUCKET-GP, 3.0 YD3, FUS</b>	360-3322
<b>CUTTING EDGE, BOLT ON (4 PIECE)</b>	8E-4566
<b>CARRIAGE, PAL C3/4, 62", FUS</b>	532-8222
<b>FORK TINE, 2.25" X 6" X 54" (SET OF TWO)</b>	371-2354

**QUICK COUPLER, FUSION****BUCKET-GP, 3.0 YD3****54" PALLET FORKS**



**WARRANTY & COVERAGE**

Standard Warranty: 12 Months/Unlimited Hours Full Machine Standard Warranty

LIST PRICE	\$268,468.00
<b>LESS GROSS TRADE ALLOWANCE</b>	<b>(\$22,500)</b>
FREIGHT & DEALER PREP	\$2,330.00
<b>USA GOVERNMENTAL DISCOUNT</b>	<b>(\$94,718.00)</b>
<b>NET BALANCE DUE</b>	<b>\$153,580.00</b>
<b>AFTER TAX BALANCE</b>	<b>\$153,580.00</b>

**ADDITIONAL CONSIDERATIONS**

- Delivery is 2021

**TRADE-INS**

Model	Make	Serial Number	Year	Trade Allowance
930G	CATERPILLAR (AA)	0TWR03117	2007	\$22,500

**F.O.B/TERMS:**

Customer Site

**EXTENDED WARRANTY OPTIONS:**

**Options to Add Extended Warranties:** You have the option to add extended machine warranty. We can tailor these options available to you however you want. Just tell us what you need, and we will do our best to meet or exceed your expectations. Here are just a few examples of some Extended Warranty options:

Warranty	Sell
930-60 MO/3000 HR POWERTRAIN + HYDRAULICS + TECH (Tier 4)	\$2,530.00
930-60 MO/3000 HR PREMIER (Tier 4)	\$5,610.00
930-36 MO/3000 HR PREMIER (Tier 4)	\$2,240.00
930-36 MO/3000 HR POWERTRAIN + HYDRAULICS + TECH (Tier 4)	\$1,010.00





## Estimate



375 Roma Jean Pkwy  
Streamwood, IL 60107  
630-372-8300  
630-372-2600 Fax

Date	Estimate #
12/15/2020	7335

Name / Address
UTD City of Yorkville 800 Gamefarm Road Yorkville

Ship To
UTD City of Yorkville 800 Gamefarm Road Yorkville

			Terms	Project
Qty	Item	Description	Price	Total
1	E1000	Equipment, SP 300 Dual Spray Squeegee Machine	50,134.50	50,134.50T
1	P50402	Water System- 28 Gallons (Optional)	1,190.00	1,190.00T
1	P50246D	Hydraulic Operated Spray Bar (SP II Only) (Optional)	2,360.00	2,360.00T
	Freight	Freight-Delivery when shipped with stock orders	350.00	350.00
			<b>Subtotal</b>	\$54,034.50
			<b>Sales Tax (0.0%)</b>	\$0.00
			<b>Total</b>	\$54,034.50





# LINELAZER®

Professional Airless Line Striping Systems



PROVEN QUALITY. LEADING TECHNOLOGY.





# THERE IS NOTHING LIKE A GRACO STRIPING SYSTEM

Experienced striping contractors know the difference. Graco LineLazer professional airless striping systems are recognized as solid investments that perform reliably, year after year.

## TRUST YOUR BUSINESS AND REPUTATION TO GRACO

Graco is committed to providing the highest quality electric airless striping systems available, backed by the industry's best warranty.

## AMERICAN BUILT QUALITY

Quality Graco professional airless striping systems have been designed, manufactured, and assembled in the USA with global components for over 25 years.

## INDUSTRY-LEADING WARRANTY

Behind every Graco striping system is the industry's strongest warranty. You may never use Graco's warranty—but if you do, we will be there.



## GRACO-ONLY SOLUTIONS THAT INCREASE YOUR PROFITS:



PATENTED

### STRIPING INFORMATION AT A GLANCE

#### LiveLook™ Display with SmartControl™

- Track, measure, and control every aspect of your job
- Accessible proof-of-job data from the J-Log™ System with USB download
- Consistent spraying pressure for perfect lines

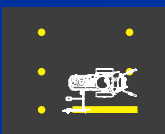


GRACO EXCLUSIVE

### AUTOMATICALLY STRIPE SKIP-LINES

#### Automatic Paint Gun System

- Reduce operator fatigue—push button line production
- Quality solenoid-driven system for accurate lines
- Manual, Auto, and Semi-Auto Modes



GRACO EXCLUSIVE

### SIMPLIFY PARKING LOT LAYOUT

#### Auto-Layout II

- SmartControl measures while you walk and puts down pre-marks
- No need for measuring tape, string lines, or aerosol cans
- Cuts your layout time in half



### MORE PROFITS, LESS SETUP TIME

#### LazerGuide™ Layout System

- Easy, one-person laser-quality line production—simply point and stripe
- Improves productivity by eliminating tape measures, string, or chalk lines
- Graco industry-leading technology



PATENT PENDING

### EASY GUN ADJUSTMENTS

#### EasyMark™ Gun Adjustment System

- Perfect gun alignment every time with easy-to-use guide mark system



PATENTED

### ELIMINATE VIBRATION

#### Advanced Vibration Reduction System

- Create perfect lines with field-proven performance
- Reduced vibration to your hands for all-day comfort





# GRACO EXCLUSIVE LAZERGUIDE SOLUTIONS

## MORE PROFITS, LESS SETUP TIME LAZERGUIDE 2000 LASER-GUIDED LAYOUT SYSTEM

Easy, one-person laser-quality line production to improve productivity and eliminate the need for tape measures, string, or chalk.



### TRADITIONAL METHOD:

Requires a string line, chalk, and 2 people



### LAZERGUIDE 2000 METHOD:

No string line, no chalk, and 1 person

### HIGHER PRODUCTIVITY

Stop wasting time with strings, tape measures, and chalk

### LESS LABOR

One-person parking lot striping

### LESS FATIGUE

No more kneeling down to move string lines or measuring tapes

### SIMPLE OPERATION

Just line it up with the target box and go

### ACCURATE STRIPING

Straight lines every time — even in windy conditions

LAZERGUIDE 2000 LASER-GUIDED LAYOUT SYSTEM FOR:	PART #
LineLazer V HP Automatic	17T540
LineLazer V Standard	17T541
LineLazer V 250	17W270
LineLazer ES 1000/2000	17T543
LineLazer 130HS	17T544
LineLazer 3400	17U799



## STRIPE STRAIGHTER THAN EVER — SIMPLY POINT AND STRIPE

- 1) Place the LazerGuide Target Box
- 2) Line Up the LazerGuide 2000
- 3) Stripe



Parking Lots



Intersections



Athletic Fields

## EASIER, LASER-STRAIGHT LINES LAZERGUIDE 3000 LONG-LINE LASER

Replace your clunky mechanical pointer to improve your productivity and accuracy for airports, roads, large intersections, or anywhere a straight line is needed.

### LONGER DISTANCE ACCURACY

- Extend reference point up to 30 feet — not possible with a mechanical pointer

### HIGHLY VISIBLE LASER GUIDE

- Quickly locate the laser on all surfaces with Blink Mode

### SAFER OPERATION

- Laser is in your natural field of view

### FASTER, SIMPLE OPERATION

- Increase your maneuverability with no mechanical pointer in the way
- Just line it up and go — no need to get off the machine



## ACCURATE STARTS/STOPS LAZERGUIDE 1700 START/STOP LASER

Improve the quality of your line by ensuring that your start and stop points are exactly where you want them to be. Pair with the LazerGuide 2000 or 3000 for the best possible results.

### STRIPE WITH LASER ACCURACY

Line up the LazerGuide 1700 Start/Stop Laser directly under your spray tip to ensure accurate start/stop locations when striping, resulting in perfect lines every time.

LAZER GUIDE 3000 LONG LINE LASER FOR:	PART #
LineLazer V 250DC and 250SPS	17T542
LineLazer V 5900 HP Automatic and 200HS/DC HP Automatic/HP Reflective	17V405

LAZER GUIDE 1700 START/STOP LASER FOR:	PART #
LineLazer V 3900, 5900, 200HS, and 200DC HP Automatic/Reflective	25A530
LineLazer V 250DC and 250SPS	25A691
LineLazer ES 1000/2000	17P782



# EXCLUSIVE ELECTRIC STRIPING SOLUTIONS

## FUME-FREE, NOISE-FREE, AND VIBRATION-FREE PERFORMANCE

Only Graco offers a complete line of electric striping solutions designed to deliver quiet, fume-free performance on indoor jobs, and the power to tackle large outdoor applications.



- LINELAZER ES 1000**  
(PATENT PENDING)
- The industry's first battery-powered striper
  - No engine noise, vibration, or fumes
  - High-capacity batteries with onboard 12V charger
  - Simply plug in to recharge
  - Run on 120V wall power — just plug it in



- LINELAZER V ES 2000 STANDARD SERIES**  
(PATENT PENDING)
- Get your job done faster
  - Higher output
  - Supports 2-gun operation
  - LiveLook Display



- LINELAZER V ES 2000 HP AUTOMATIC SERIES**  
(PATENT PENDING)
- Automatic paint gun system
  - Simplify layout and skip line work
  - Job performance tracking
  - J-Log System with USB download



- MAXIMUM ELECTRIC STRIPING PRODUCTIVITY LINEDRIVER® ES** (PATENT PENDING)
- No engine noise, vibration, or fumes
  - More accurate lines — ExactMil™ speed control and low vibration
  - Get the job done fast — higher output with the electric, battery-powered LineDriver ES



- INDOOR APPLICATIONS**
- Warehouses
  - Factories
  - Parking Garages
  - Indoor Sports Facilities



- OUTDOOR APPLICATIONS**
- Parking Lots
  - Paths
  - Intersections
  - Airports





# CHOOSE THE RIGHT STRIPER FOR YOUR BUSINESS

Graco offers a full range of LineLazer products for your straightforward re-striping jobs, and more complex layout and pattern work applications.

## STANDARD LINELAZER STRIPERS

If You're a Contractor Focused on Re-striping:

- Focusing entirely on re-stripe jobs
- Bidding small-to-medium jobs
- Requiring a single-color, single gun striping solution

## LINELAZER V STRIPERS

### STANDARD SERIES

If You're a Higher Production Re-striping Contractor:

- Completing larger re-striping jobs
- Considering jobs with basic pattern applications
- Requiring a single-color, single or dual gun striping solution

### HP AUTOMATIC SERIES

If You're a High Production Striping Contractor:

- Completing medium to large striping jobs
- Bidding new jobs requiring layout work — such as parking lots and intersections
- Delivering more complex patterns — such as city streets or bike paths
- Requiring a multi-gun, automatic system

### HP REFLECTIVE SERIES

If You're a High Production Reflective Striping Contractor

- Completing mostly larger striping jobs
- Striping airports, large roadway and city projects
- Requiring a multi-gun, automatic gun system with pressurized beads

### The professional choice

for small parking lots, mini malls, schools, seal coating contractors, and park/recreation departments.



### IMPROVED TRACKING AND LINE QUALITY

#### Updated Frame

- Added stability with newly designed, 3-inch longer frame
- Accepts 15-gallon hopper and EZ Bead™ System



### EASIER STENCIL JOBS

#### New Rear Mount Hose Wrap

- Easy on/off functionality

### EASY-TO-REACH CONTROLS

- Fine-tune the striper without stopping
- Operator controls are located on the handlebars

### REDUCED VIBRATION

#### New Handlebar Design

- Less operator fatigue with greater comfort and control

### IMPROVED LINE QUALITY

#### Electronic Pressure Control

- Accurate, tight tolerance system

# LINELAZER 3400

## DEPENDABLE, ONE-GUN STRIPING

Graco's Standard LineLazer stripers deliver exceptional single-color, single-gun performance for professional contractors focusing exclusively on small to medium-sized re-stripe jobs.

### RELIABLE, LONG-LIFE PUMP

#### Endurance Chromex™ Pump

- Industry-best pump performance — field-proven design
- Handle the most demanding materials with long-life rod treatment
- 4X harder than ordinary chrome

### RELIABLE, EASY-TO-START POWER

#### Honda® GX Engine

- Contractor preferred — excellent power and proven reliability
- Oil Alert shuts down engine to prevent damage if oil level drops too low

### EASY MAINTENANCE AND LESS CLOGGING

#### Easy Out™ Pump Filter

- Inside-out design means less mess and fewer tip clogs

### EASIER MANEUVERABILITY

#### Front Swivel Wheel

- Ability to stripe right up to the curb
- Makes easy work of hard-to-do curves
- Years of dependable operation with tapered locking pin design

LINELAZER 3400 STRIPER	PART #
LineLazer 3400, 1 Manual Gun	25M224



# LINELAZER 130HS

## EVERYDAY STRIPING CAPABILITY

The LineLazer 130HS is the preferred hydraulic airless striping unit that consistently delivers solid performance with proven power, day in and day out.



### IMPROVED FRONT WHEEL ADJUSTMENT (PATENT PENDING)

#### EZ Align™ Wheel System

- Simple way to keep tracking straight
- No special tools needed



### EASY GUN ADJUSTMENTS (PATENT PENDING)

#### EasyMark Gun Adjustment System

- Perfect gun alignment every time with easy-to-use Guide Mark System

### EASY HANDLEBAR ADJUSTMENT

#### DualComfort Handlebar System

- Fits all users—easy to adjust

### SIMPLE GUN CONTROL

#### QuikSelect™ Gun Selector (PATENTED)

- Independently control two guns with one lever — solid/skip

### EASIER MAINTENANCE

#### Storage Compartment

- Convenient location for tips, guards, and miscellaneous items

### RELIABLE, EASY-TO-START POWER

#### Honda GX Engine

- Contractor preferred—excellent power and proven reliability

### RELIABLE, LONG-LIFE PUMP

#### Endurance Chromex Pump

- Industry-best pump performance—field proven design
- Handle the most demanding materials with long-life rod treatment
- 4X harder than ordinary chrome

### EASY PUMP MAINTENANCE AND LESS CLOGGING

#### Easy Out Pump Filter

- Inside-out design means less mess and fewer tip clogs



# LINELAZER ES 1000

## QUIET, FUME-FREE STRIPING

Go Green. Powered by a 100AH AGM battery, the LineLazer ES 1000 is safe to use indoors, while having the power and performance for outdoor jobs.



### QUIET, RELIABLE POWER

#### Maintenance-Free Battery

- Sealed Lead-Acid 100AH AGM Battery
- Stripe up to 60 gallons per charge with a second battery

### SIMPLE, PLUG-IN CHARGING

#### Onboard 120V Inverter/Charger

### INFINITE SPRAY TIME

#### 120V Capability

- Plug into 120V wall power for stationary applications

### PERFECT STRIPER TRACKING

#### EZ Align Wheel System

- Simple front wheel alignment, no special tools needed

### STABILITY FOR STRAIGHTER LINES

#### Exclusive LineLazer Cart

- Straighter lines from the industry's best-balanced chassis
- Accepts LineDriver user-friendly ride-on system

### EASY GUN ADJUSTMENTS

#### EasyMark Gun Adjustment System

- Perfect gun setup every time with easy-to-use Guide Mark System
- 2-gun capability with QuikSelect Gun Selector

### EASY HANDLEBAR ADJUSTMENT

#### DualComfort Handlebar System

- Fits all users—easy to adjust

### CONSISTENT SPRAY FAN

#### SmartControl™ 2.5

- Eliminates pressure fluctuation for unmatched line quality

### MAINTENANCE-FREE POWER

#### MaxPower DC Motor

- Field-proven brushless design

### THE LONGEST LASTING DRIVE

#### Advantage Drive™

- Improved jobsite conditions with extremely quiet operation

### FAST CLEANING NOW EVEN FASTER

#### New FastFlush™ System

- Faster motor speed to clean the pump 4X faster with only ½ the water

### No Engine Noise, Vibration, or Fumes

- Complete any job at any time without production shutdowns or disruptions
- Reduce user fatigue while delivering perfect lines on all surfaces
- Improved jobsite conditions



### DOUBLE YOUR PRODUCTIVITY

Add a LineDriver for unmatched performance.



### DOUBLE YOUR PRODUCTIVITY

Add a LineDriver ES for an unmatched quiet, fume-free performance.

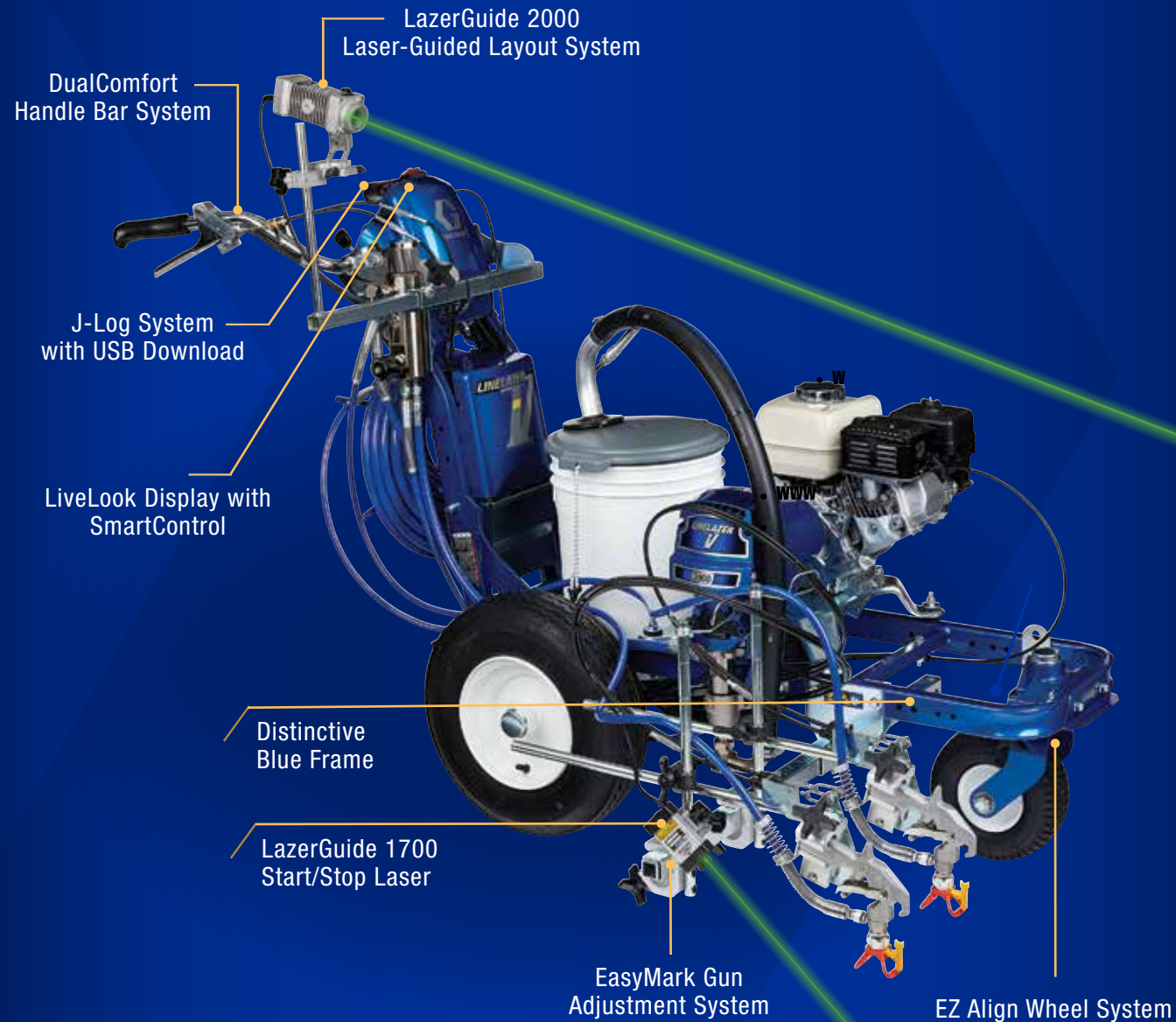
LINELAZER 130HS STRIPER	PART #
LineLazer 130HS, 2 Manual Guns	17H448

LINELAZER ES 1000 STRIPERS	PART #
LineLazer ES 1000, 1 Manual Gun, 1 Battery	25M226
LineLazer ES 1000, 1 Manual Gun, 2 Batteries	25N784



# BREAKTHROUGH INNOVATIONS ONLY FOUND ON LINELAZER V

Exclusive Graco LineLazer V features that will decrease the time to finish a job — increasing your productivity and profitability.



# EXCLUSIVE LINELAZER V AUTOMATIC STRIPING MODES

## NEVER PULL A LEVER AGAIN

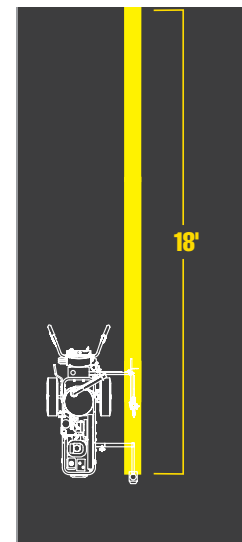
Stop pulling a lever all day and eliminate jobsite fatigue. Only Graco LineLazer V HP Automatic units provide simple push button striping.

## ONLY LINELAZER V OFFERS 4 DISTINCT MODES OF STRIPING:

### AUTOMATIC MANUAL

Push a button instead of pulling a lever — easy and fast

**PUSH  
AND  
HOLD**



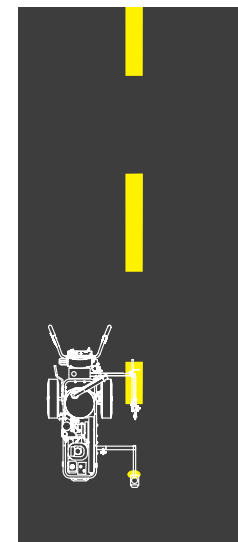
**RELEASE  
TO  
STOP**

Re-stripe Jobs  
Long Line Striping — City Streets  
Parking Stall Stripes

### AUTOMATIC

Automatic skip lines have never been easier or more accurate

**PUSH  
START**



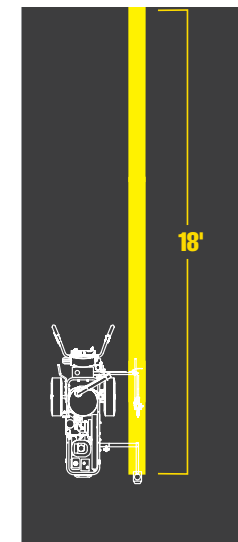
**PUSH  
STOP**

Re-stripe Jobs  
Parking Lot Lines — All Sizes  
Road Stripes — City Streets  
Skip Lines — Bike Paths

### SEMI-AUTOMATIC

Perfect restripes for parking stalls or center line skips — push the button and it does the rest

**PUSH  
START**



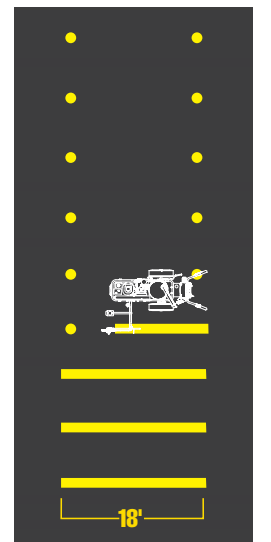
**AUTO  
STOP**

Re-stripe Jobs  
Parking Lot Lines — All Sizes  
Road Stripes  
(Re-stripes) — City Streets  
Skip Lines — Bike Paths

### AUTO-LAYOUT II

No more cans to deal with — cuts up to 50% of your layout time

**PUSH  
START**



**PUSH  
STOP**

New Parking Lot Layout Jobs  
Raised Marker Layout  
Ghost Markings for Odd Jobs



# LINELAZER V ES 2000

## STANDARD, FUME-FREE STRIPING

The LineLazer V ES 2000 is safe to use indoors, while having the power and performance for outdoor jobs.



### NO ENGINE NOISE, VIBRATION, OR FUMES

- Complete any job at any time without production shutdowns or disruptions
- Reduce user fatigue while delivering perfect lines on all surfaces
- Improved jobsite conditions

### QUIET, RELIABLE POWER

#### Two Sealed AGM Batteries

- Maintenance-free design
- Stripe up to 60 gallons on a single charge

### SIMPLE, PLUG-IN CHARGING

#### Onboard 120 V Inverter/Charger

- Plug into 120 V wall power for stationary applications

### EASY GUN ADJUSTMENTS

#### EasyMark Gun Adjustment System

- Perfect gun setup every time with easy-to-use Guide Mark System
- 2-gun capability with QuikSelect Gun Selector

### IMPROVED FRONT WHEEL ADJUSTMENT

#### EZ Align Wheel System

- Simple way to keep striper tracking straight

### CONSISTENT SPRAY FAN

#### SmartControl 3.0

- Eliminates pressure fluctuation for unmatched line quality

### REAL-TIME JOB PERFORMANCE DATA

#### LiveLook Display with SmartControl

- Tracks all aspects of your job

### MAINTENANCE-FREE POWER

#### MaxPower DC Motor

- Field-proven brushless design

### RELIABLE, LONG-LIFE PUMP

#### Endurance Chromex Pump

- Industry-best pump performance — field proven design
- Handle the most demanding materials with long-life rod treatment
- 4X harder than ordinary chrome

### THE LONGEST LASTING DRIVE

#### Advantage Drive

- Improved jobsite conditions with extremely quiet operation

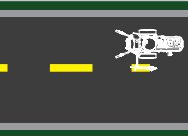


LINELAZER V ES 2000 STANDARD SERIES STRIPER	PART #
LineLazer V ES 2000, 2 Manual Guns, 2 Batteries	25N550

# LINELAZER V ES 2000

## FULLY AUTOMATED, FUME-FREE STRIPING

Improve your productivity by adding Automatic Guns to your LineLazer V ES 2000.



### AUTOMATICALLY STRIPE SKIP LINES

#### Automatic Paint Gun System

- Reduce operator fatigue — push button line production
- Quality solenoid-driven system



### ELIMINATE LINE LENGTH GUESSWORK

#### Automatic Paint Gun System

- Marker Gun Mode — perfect for parking lot layout work



### VALUABLE JOB INFORMATION

#### J-Log System with USB Download

- Proof of job = more striping opportunities
- USB download capability allows you to capture and save all job data



### Also includes all LineLazer V ES 2000 Standard Series features:

- No engine noise, vibration, or fumes
- Two sealed AGM batteries
- Onboard 12 V Inverter/Charger
- EasyMark Gun Adjustment System
- SmartControl 3.0
- LiveLook Display with SmartControl
- MaxPower DC Motor
- Endurance Chromex Pump
- Advantage Drive

### DOUBLE YOUR PRODUCTIVITY

Add a LineDriver ES for an unmatched quiet, fume-free performance.



LINELAZER V ES 2000 HP AUTOMATIC SERIES STRIPERS	PART #
LineLazer V ES 2000, 2 Guns: 1 Automatic, 1 Manual, 2 Batteries	25N551
LineLazer V ES 2000, 2 Automatic Guns, 2 Batteries	25N552
LineLazer V ES 2000, 2 Guns: 1 Automatic, 1 Manual, 2 Batteries, LazerGuide 2000	25N559
LineLazer V ES 2000, 2 Automatic Guns, 2 Batteries, LazerGuide 2000	25N560



# LINELAZER V 3900/5900

## DEPENDABLE, ONE- OR TWO-GUN STRIPING

When it's time for 1- or 2-gun airless line striping, the LineLazer V 3900/5900 Standard Series strippers are an excellent choice. These durable striping machines deliver consistent lines for all your basic striping needs.



### EASY GUN ADJUSTMENTS

#### EasyMark Gun Adjustment System

- Perfect gun setup every time with easy-to-use Guide Mark System
- 2-gun capability with QuikSelect Gun Selector



### IMPROVED FRONT WHEEL ADJUSTMENT

#### EZ Align Wheel System

- Simple way to keep tracking straight

### EASY HANDLEBAR ADJUSTMENT

#### DualComfort Handlebar System

- Fits all users—easy to adjust

### REAL-TIME JOB PERFORMANCE DATA

#### LiveLook Display with SmartControl

- Tracks all aspects of your job



LineLazer V 3900 Standard shown



### AUTOMATICALLY STRIPE SKIP LINES

#### Automatic Paint Gun System

- Reduce operator fatigue—push button line production
- Quality solenoid-driven system

### VALUABLE JOB INFORMATION

#### J-Log System with USB Download

- Proof of job = more striping opportunities
- USB download capability allows you to capture and save all job data

### LESS LAYOUT TIME

#### Auto-Layout II

- Easy to use—cuts layout time in half
- Exclusive LazerGuide 1700 Start/Stop Laser

### STAY CHARGED

#### Onboard Battery Power

- 12V battery stays charged when unit is running
- Easily power LED lights, safety beacons, and lasers

#### Also includes all LineLazer V 3900/5900 Standard Series features:

- EasyMark Gun Adjustment System
- EZ Align Wheel System
- DualComfort Handlebar System
- LiveLook Display with SmartControl

# LINELAZER V 3900/5900

## FULLY AUTOMATED STRIPING SOLUTION

For those advanced striping jobs that require layout work or skip lines, Graco has a solution for you with the LineLazer V 3900/5900 HP Automatic line strippers. Add the LazerGuide 2000 Laser-Layout System and remove all the guesswork.



LineLazer V 5900 HP Automatic shown



Shown with LazerGuide 2000

## LAZERGUIDE 2000 LASER-GUIDED LAYOUT SYSTEM

### MORE PROFITS, LESS SETUP TIME

Easy, one-person laser-quality line production to improve productivity and eliminate the need for tape measures, string, or chalk.



Parking Lots



Intersections



Athletic Fields

### HIGHER PRODUCTIVITY

Stop wasting time with strings, tape measures, and chalk

### LESS FATIGUE

No more kneeling down to move string lines or measuring tapes

### ACCURATE STRIPING

Straight lines every time—even in windy conditions

### LESS LABOR

One-person parking lot striping

### SIMPLE OPERATION

Just line it up with the target box and go



### DOUBLE YOUR PRODUCTIVITY

Add a LineDriver for unmatched performance.

LINELAZER V 3900/5900 STANDARD SERIES STRIPERS	PART #
LineLazer V 3900, 2 Manual Guns	17H450
LineLazer V 5900, 2 Manual Guns	17H455

LINELAZER V 3900/5900 HP AUTOMATIC SERIES STRIPERS	PART #
LineLazer V 3900, 2 Guns: 1 Automatic, 1 Manual	17H452
LineLazer V 3900, 2 Automatic Guns	17H453
LineLazer V 3900, 2 Guns: 1 Automatic, 1 Manual, LazerGuide 2000	17U804
LineLazer V 3900, 2 Automatic Guns, LazerGuide 2000	17U805
LineLazer V 5900, 2 Guns: 1 Automatic, 1 Manual	17H457
LineLazer V 5900, 2 Automatic Guns	17H458
LineLazer V 5900, 2 Guns: 1 Automatic, 1 Manual, LazerGuide 2000	17U802
LineLazer V 5900, 2 Automatic Guns, LazerGuide 2000	17U803



# LINELAZER V 200HS

## STANDARD, HIGH PERFORMANCE SOLUTIONS

With high production features, the LineLazer V 200HS is a true workhorse designed for the most demanding jobs like large parking lot jobs, airports, and city jobs that require precise lines.



### EASY HANDLEBAR ADJUSTMENT

#### DualComfort Handlebar System

- Fits all users — easy to adjust

### IMPROVED FRONT WHEEL ADJUSTMENT

#### EZ Align Wheel System

- Simple way to keep tracking straight — no tools needed

### EASY GUN ADJUSTMENTS

#### EasyMark Gun Adjustment System

- Perfect gun setup every time with easy-to-use Guide Mark System

### EASY SOLID/SKIP-LINE COMBINATIONS

#### QuikSelect Gun Selector

- Independently control two guns with one lever — solid/skip

### RELIABLE, EASY-TO-START POWER

#### Honda GX Engine

- Contractor preferred — excellent power and proven reliability

### RELIABLE, LONG-LIFE PUMP

#### Endurance Chromex Pump

- Industry-best pump performance — field-proven design
- Handle the most demanding materials with long-life rod treatment
- 4X harder than ordinary chrome

### EASY MAINTENANCE AND LESS CLOGGING

#### Easy Out Pump Filter

- Inside-out design means less mess and fewer tip clogs



**DOUBLE YOUR PRODUCTIVITY**  
Add a LineDriver for unmatched performance.

LINELAZER V 200HS STANDARD SERIES STRIPER	PART #
LineLazerr V 200HS, 2 Manual Guns	17H461

# LINELAZER V 200HS

## AUTOMATIC, HIGH PERFORMANCE SOLUTIONS

The LineLazer V 200HS HP Reflective line striper is ideal for those high-production jobs that require reflective beads.



### PUSH BUTTON CONTROL

#### Automatic, Semi-Automatic Guns

- Reduce operator fatigue — push button line production
- Takes the guesswork out of line length

### VALUABLE JOB INFORMATION

#### J-Log System with USB Download

- Proof of job = more striping opportunities
- USB download capability allows you to capture and save all job data

### LESS LAYOUT TIME

#### Auto-Layout II

- Easy to use — cuts layout time in half
- Exclusive LazerGuide 1700 Start/Stop Laser

### STAY CHARGED

#### Onboard 12V Battery Power

- Stays charged when unit is running
- Easily power LED lights, safety beacons, and lasers



### SUPERIOR BEAD APPLICATION PERFORMANCE

#### Pressurized EZ Bead System

- Ensures proper bead flow and paint penetration
- Large-volume bead tank holds up to 120 lbs



**Also includes all LineLazer V 200HS Standard Series features:**

- DualComfort Handlebar System
- EZ Align Wheel System
- EasyMark Gun Adjustment System
- QuikSelect Gun Selector
- Honda GX Engine
- Endurance Chromex Pump
- Easy Out Pump Filter

LINELAZER V 200HS HP AUTOMATIC SERIES STRIPERS	PART #
LineLazer V 200HS, 2 Guns: 1 Automatic, 1 Manual	17H463
LineLazer V 200HS, 2 Automatic Guns	17H464

LINELAZER V 200HS HP REFLECTIVE SERIES STRIPER	PART #
LineLazer V 200HS, 2 Automatic Guns, 1 Pressurized Bead Tank	17H465



# LINELAZER V 250SPS

## HIGH-VOLUME PERFORMANCE STRIPING

With exclusive automatic paint guns and hydraulic power, the LineLazer V 250SPS is a self-propelled system that is ideal for large, heavy-duty line striping jobs, including airports and streets.



### APPLICATION FLEXIBILITY

#### Automatic Gun Control System

- Simple, push button Manual, Automatic, or Semi-Automatic guns

### FAST STARTING

#### Electric Start

### LESS REFILLING

#### 25-Gallon (95 L) Paint Hopper

- Extended striping time with large capacity hopper

### RELIABLE, ELECTRIC START POWER

#### Honda GX Engine

- Contractor preferred—excellent power and proven reliability

### STRIPING INFORMATION AT A GLANCE

#### Remote Mount Control Box

- Simple to use and easy to see in all conditions

### UNINTERRUPTED PERFORMANCE

#### Graco Hydraulic Motor

- No-Stall design

### CONSISTENT, PRECISE LINES

#### Flex Plus Guns

- Industry-proven paint guns deliver proven performance, every time

### PRECISE MATERIAL FLOW

#### Endurance Chromex Pump

- Consistency with a wide range of striping materials

### STRAIGHTER LONG LINES

#### Front or Rear Gun Mount

- Use up to six guns

### SIMPLE OPERATION

#### Exclusive Self-Centering Front Wheel

- Foam-filled, three-wheel design for stability



# LINELAZER V 250SPS

## HIGH PERFORMANCE REFLECTIVE SOLUTIONS

The LineLazer V 250SPS HP Reflective line striper is ideal for those high-production jobs that require reflective beads.



### SUPERIOR BEAD APPLICATION PERFORMANCE

#### Pressurized EZ Bead System

- Ensures proper bead flow and paint penetration
- Available with one or two 120 lb bead tanks

#### Also includes all LineLazer V 250SPS HP Automatic features:

- Automatic Gun Control System
- Electric Start
- 25-Gallon (95 L) Paint Hopper
- Honda GX Engine
- Remote Mount Control Box
- No-Stall Hydraulic Motor
- Flex Plus Guns
- Endurance Chromex Pump
- Front or Rear Gun Mount
- Exclusive Self-Centering Front Wheel



LINELAZER V 250SPS HP AUTOMATIC SERIES STRIPER	PART #
LineLazer V 250SPS, 2 Automatic Guns	17H467

LINELAZER V 250SPS HP REFLECTIVE SERIES STRIPERS	PART #
LineLazer V 250SPS, 2 Automatic Guns, 1 Pressurized Bead Tank	17J951
LineLazer V 250SPS, 2 Automatic Guns, 2 Pressurized Bead Tanks	17H469
LineLazer V 250SPS, 2 Automatic Guns, 1 Pressurized Bead Tank, LazerGuide 3000	25D345
LineLazer V 250SPS, 2 Automatic Guns, 2 Pressurized Bead Tanks, LazerGuide 3000	25D340



# LINELAZER V 200dc

## DUAL COLOR STRIPING FOR SMALLER JOBS

The LineLazer V 200DC provides a cost-effective walk-behind dual color striping solution for smaller applications.



**TWO UNITS IN ONE**

**Dual-Color Capable**

- No need for separate yellow and white machines

**LESS REFILLING**

Large, Dual 10-Gallon Hoppers

**UNINTERRUPTED PERFORMANCE**

**Dual Graco Hydraulic Motors**

- Proven no-stall design

**REAL-TIME JOB PERFORMANCE DATA**

**LiveLook Display with SmartControl**

- Tracks all aspects of your job

**STABILITY FOR STRAIGHTER LINES**

**Exclusive LineLazer Cart**

- Straighter lines from the industry's best-balanced chassis
- Accepts LineDriver user-friendly ride-on system

**EASY GUN ADJUSTMENTS**

**EasyMark Gun Adjustment System**

- Perfect gun setup every time with easy-to-use Guide Mark System
- 2-gun capability with QuikSelect Gun Selector

**IMPROVED FRONT WHEEL ADJUSTMENT**

**EZ Align Wheel System**

- Simple way to keep unit tracking straight—no special tools needed

**EASY HANDLEBAR ADJUSTMENT**

**DualComfort Handlebar System**

- Fits all users — easy to adjust



# LINELAZER V 200dc

## HIGH PERFORMANCE SOLUTIONS

The LineLazer V 200DC HP Automatic and Reflective stripers are ideal for those dual color applications where increased productivity is required.



**SUPERIOR BEAD APPLICATION PERFORMANCE**

**Pressurized EZ Bead System**

- Ensures proper bead flow and paint penetration
- Large-volume bead tank holds up to 120 lbs



**PUSH BUTTON CONTROL**

**Automatic, Semi-Automatic Guns**

- Reduce operator fatigue—push button line production
- Takes the guesswork out of line length

**VALUABLE JOB INFORMATION**

**J-Log System with USB Download**

- Proof of job = more striping opportunities
- USB download capability allows you to capture and save all job data

**STAY CHARGED**

**Onboard 12V Battery Power**

- Stays charged when unit is running
- Easily power LED lights, safety beacons, and lasers



**Also includes all LineLazer V 200DC Standard features:**

- Dual Color-Capable
- Dual 10-Gallon Hoppers
- Dual Graco Hydraulic Motors
- LiveLook Display with SmartControl
- Exclusive LineLazer Cart
- EasyMark Gun Adjustment System
- EZ Align Wheel System
- DualComfort Handlebar System



**DOUBLE YOUR PRODUCTIVITY**  
Add a LineDriver for unmatched performance.

LINELAZER V 200DC STANDARD SERIES STRIPER	PART #
LineLazer V 200DC, 2 Manual Guns	17Y231

LINELAZER V 200DC HP AUTOMATIC SERIES STRIPER	PART #
LineLazer V 200DC, 2 Automatic Guns	17Y269

LINELAZER V 200DC HP REFLECTIVE SERIES STRIPER	PART #
LineLazer V 200DC, 2 Automatic Guns, 1 Pressurized Bead Tank	17Y270



# LINELAZER V 250dc

## DUAL COLOR STRIPING SOLUTIONS

The LineLazer V 250DC is an ideal striper for large, dual color jobs.



### UNINTERRUPTED PERFORMANCE

#### Dual Graco Hydraulic Motors

- Proven no-stall design

### PRECISE MATERIAL FLOW

#### Endurance Endurance Chromex Pumps

- Consistency with a wide range of striping materials

### SIMPLE OPERATION

#### Exclusive Self-Centering Front Wheel

- Foam-filled, three-wheel design for stability

### ALL-DAY COMFORT

#### Exclusive Stand-On Platform

- Ergonomic design for standing provides optimized viewing

### LESS REFILLING

#### Dual 15-Gallon Paint Hoppers

- Simultaneously spray two colors and refill less often

### LONG LINES

#### Front or Rear Gun Mount

- Use up to six guns

### CONSISTENT, PRECISE LINES

#### Flex Plus Guns

- Industry proven paint guns deliver proven performance, every time

### RELIABLE, ELECTRIC START POWER

#### Honda GX Engine

- Contractor preferred — excellent power and proven reliability



LINELAZER V 250DC HP AUTOMATIC SERIES STRIPERS	PART #
LineLazer V 250DC, 2 Automatic Guns	17H471
LineLazer V 250DC, 3 Automatic Guns	17H472

# LINELAZER V 250dc

## HIGH PERFORMANCE REFLECTIVE SOLUTIONS

The LineLazer V 250DC HP Reflective is ideal for large, dual color jobs that require glass beads.



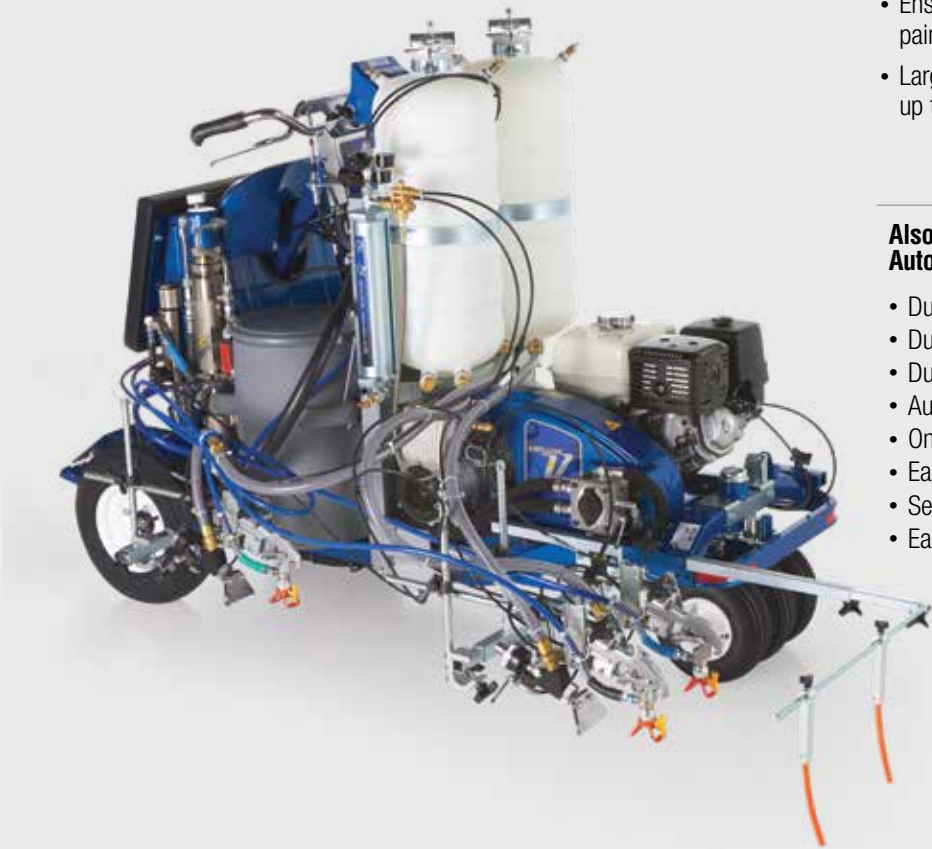
### SUPERIOR BEAD APPLICATION PERFORMANCE

#### Pressurized EZ Bead System

- Ensures proper bead flow and paint penetration
- Large-volume bead tanks hold up to 120 lbs each

#### Also includes all LineLazer V 250 HP Automatic features:

- Dual Color Capable
- Dual 15-Gallon Hoppers
- Dual Graco Hydraulic Motors
- Automatic, Semi-Automatic Guns
- Onboard 12 V Battery Power
- EasyMark Gun Adjustment System
- Self-Centering Front Wheels
- Easy Handlebar Adjustment



LINELAZER V 250DC HP REFLECTIVE SERIES STRIPERS	PART #
LineLazer V 250DC, 2 Automatic Guns, 2 Pressurized Bead Tanks	17H473
LineLazer V 250DC, 3 Automatic Guns, 2 Pressurized Bead Tanks	17H474
LineLazer V 250DC, 2 Automatic Guns, 2 Pressurized Bead Tanks, LazerGuide 3000	25D343
LineLazer V 250DC, 3 Automatic Guns, 2 Pressurized Bead Tanks, LazerGuide 3000	25D344



# LINEDRIVER AND LINEDRIVER HD

## WHY WALK WHEN YOU CAN RIDE?

Graco LineDriver and LineDriver HD attachments connect to your LineLazer striper to provide the most innovative, user-friendly ride-on systems available to double your striping productivity.

### SOLUTIONS THAT IMPROVE YOUR STRIPING PRODUCTIVITY

#### LOW-LIGHT ACCURACY

##### FlexBeam™ LED Light System

- New LED light for improved brightness with long life and less amp draw
- Retractable, breakaway design prevents damage and keeps you striping

#### RIDE WITH EASE

##### Patented Dual Foot Pedal System

- Adjustable pedals to fit every user
- Forward and reverse capability

#### EASY STARTING

##### Exclusive ProStart™ Engine Starting System

- Up to 50% less pulling effort to start the engine
- Outperforms other starting systems in cooler weather

#### ULTIMATE COMFORT

##### Cool-Comfort™ Seat

- Gray color stays cool in direct sunlight
- High-back seat for added support
- Extra padding for all-day comfort

#### RELIABLE, EASY-TO-START POWER

##### Honda GX Engine

- Contractor preferred—excellent power and proven reliability



# LINEDRIVER ES

## WHY WALK WHEN YOU CAN RIDE?

The Graco LineDriver ES is the quietest, most innovative, user-friendly ride-on system. Simply connect the LineDriver ES to your LineLazer striper to double your striping productivity on any indoor or outdoor job, without the engine noise, vibration, or fumes.

### THE INDUSTRY'S FIRST ELECTRIC BATTERY-POWERED LINEDRIVER!

#### HIGH-SPEED PRODUCTION EFFICIENCY

- 10 mph maximum speed
- 9-12 hours of run time

#### QUIET, ALL-DAY RELIABLE POWER

##### High-Capacity Batteries

- Four, 6V Sealed Lead-Acid 225 Ahr AGM Batteries

#### CONSISTENT LINES EVERY TIME

##### ExactMil™ Speed Control (PATENT PENDING)

- Set your speed for guaranteed perfect lines every time
- Exactly meet the mil thickness requirement—resulting in quality work with no wasted paint

#### SUPERIOR CONTROL AND EXTENDED RUN-TIME

##### SmartDrive™ Technology with Advanced Eco-Mode

- Performance and feel of a Gas-powered LineDriver
- Regenerative braking recharges batteries to extend run-time
- Eco-Mode allows for 12 full hours of run time and precise control at low speeds

#### SIMPLE, PLUG-IN CHARGING

##### Onboard 24 V Charger

- Longer battery life with extended battery-tender feature

#### EASY ACCESSORY CHARGING

##### Dedicated 12V Power Supply

- Dual “cigarette lighter” power supplies for all your accessories
- Dual LED light outputs

#### QUICK-VIEW POWER LEVEL

##### Battery Monitor System

- Displays battery level for easy recall
- Alerts user when battery is low and requires a recharge

#### ON-HAND STORAGE

##### Back Rack Storage Shelf

- Convenient storage for on-the-job supplies



LINEDRIVERS	PART #
LineDriver	262004
LineDriver HD	262005

LINEDRIVER	PART #
LineDriver ES	25N555



ACCESSORIES

LINELAZER V 3900/5900/130HS/200HS/200DC	
Solenoid Kit	
25A490	Solenoid Kit. Includes 1 solenoid, cable. Will convert existing manual gun to fully automatic. Must have HP Series unit
LazerGuide 1700 Start/Stop Laser	
25A530	LazerGuide 1700 Laser Kit. Kit includes laser, laser mount, and all hardware (battery and charger not included)
25A526	Battery and charger kit for laser when used with LineLazer V Standard stripers
LazerGuide 2000 Laser-Guided Layout System	
17T540	LazerGuide 2000 Laser with LazerGuide Target Box and mounting hardware for all LineLazer V 3900, 5900, and 200HS/dc HP Automatic/Reflective
17T541	LazerGuide 2000 Laser with LazerGuide Target Box and mounting hardware for all LineLazer V 3900, 5900, and 200HS/dc Standard (battery included)
17T544	LazerGuide 2000 Laser with LazerGuide Target Box and mounting hardware for LineLazer 130HS
17T536	LazerGuide Target Box
LazerGuide 3000 Long-Line Laser	
17V405	LazerGuide 3000 Kit includes laser and all mounting hardware for LineLazer 5900, 200HS/dc HP Automatic/Reflective
Turf Tire Kit	
249082	Rear Turf Tire Kit. Includes 2 rear tires for use on turf fields
Line Pointer	
25A620	40 inch Retractable Pointer Kit. Kit Includes pointer and all necessary hardware to mount on all LineLazer V 3900, 5900, 130HS, 200HS/dc, and LineLazer ES 1000/2000 units only
Hitch Kit	
25N787	Hitch Kit. Kit includes hitch, ball, and hardware to connect to LineDriver
116913	Hitch Ball - includes lock washer and nut
LineDriver Battery Kit	
245343	LineDriver Battery Kit. Includes battery and mounting brackets
LineLazer V Light Kit	
17R473	High-output light for LineLazer V 3900, 5900, and 200HS/dc (battery and charger not included)
Bead Systems	
Bead Systems – To add either a gravity or pressurized bead system, see page 29	
Paint Hopper	
241104	Spend less time refilling and more time striping. 15-Gallon for LineLazer 3900, 5900, 130HS, and 200HS
25N622	Dual 10-Gallon Hoppers for LineLazer V 200dc
25N603	Dual 5-Gallon Bucket kit for LineLazer V 200dc
Other Kits	
25N653	Front weight kit for LineLazer V 3900, 5900, 130HS, and 200HS/dc
17Z688	3-Wheel Kit for LineLazer V 3900, 5900, 130HS, and 200HS/dc
248157	Flex Plus Airless Spray Gun - Includes RAC 5 Tip and Guard

LINELAZER V 250SPS AND 250DC	
Upgrade Kit for 2-Pumps	
17K356	LineLazer V 250SPS only: add second pump kit – complete. To upgrade from single pump SPS to a 2-pump DC–kit includes paint pump, filter, hydraulic hose lines, dual 15-gallon paint tanks, and all hardware
Paint Gun Kit	
17K791	Paint Gun Kit – complete. Kit includes flex gun, LL5319 tip, guard, 7 ft 1/4 in paint hose, gun cable, gun mount
LazerGuide 1700 Start/Stop Laser	
25A691	LazerGuide 1700 Laser Kit. Kit includes laser, laser mount, and all hardware
LazerGuide 3000 Long-Line Laser	
17T542	LazerGuide 3000 Laser Kit includes laser, laser mount, and all hardware
Stencil Kits	
24G778	Paint Gun Stencil Kit includes 1 Flex Gun, 286425 tip, guard, and 50 ft x 1/4 in hose
238957	Hand Bead Applicator Kit (use with EZ Bead Pressurized Bead System) and mounting brackets. Kit includes 1 bead gun, (2) 3/4 in x 24 ft clear hoses, .234 in/.35 degree tip, 1 ft extension tube, on/off valve, and bracket to mount to paint stencil gun 24G778
19B119	Hand Bead Applicator Kit (use with EZ Bead Pressurized Bead System) - Includes 1 bead gun, (2) 3/4 in x 4 ft clear hoses and all fittings needed to connect to the LineLazer PBS System
Turf Tire Kit	
249083	Rear Turf Tire Kit includes 2 rear tires for use on turf fields. Also fits standard LineDriver
LineLazer V Light Kit	
24M598	Provides improved visibility in low-light conditions. High-output light (LineLazer 250SPS and 250DC)
Bead Systems	
Bead Systems – To add either a gravity or pressurized bead system, see page 29	
Paint Hoppers	
278452	25-Gallon Hopper. (LineLazer V 250SPS only) Includes: (1) 25-gallon hopper, lid, and straps
LINELAZER ES 1000/2000	
Gun Kit	
25A491	Manual Gun Kit includes flex gun, LL5319 tip, guard, vertical gun bar, horizontal gun bar, and manual gun cable
Hitch Kit	
24Z805	Hitch Kit includes hitch, ball, and hardware to connect to LineDriver
LazerGuide 1700 Start/Stop Laser	
17P782	LazerGuide 1700 Laser Kit includes laser, laser mount, and all hardware
Line Pointer	
25A620	40 in Retractable Pointer Kit
LineLazer ES 1000 LED Light Kit	
17R472	High-output LED light for LineLazer ES 1000/2000

Gravity Bead Systems	
To add a gravity bead system, see page 29	
LazerGuide 2000 Laser-Guided Layout System	
17T543	LazerGuide 2000 Laser with LazerGuide Target Box, and mounting hardware
Paint Hopper	
17P444	Spend less time refilling and more time striping. 15-Gallon Hopper for LineLazer ES 1000 (hopper also fits LineLazer 3400)
25N710	15-Gallon hopper for LineLazer V ES 2000
Batteries	
17N448	12V 100 AH single battery
24Z724	2nd Battery Kit includes 1 battery (17N448) and battery connections



EZ BEAD DISPENSING SYSTEMS

Part No.	Product Description	Unit/Bead System Compatibility Chart				
		LineLazer		LineLazer V		
EZ BEAD GRAVITY DISPENSING SYSTEM (KITS)		ES 1000/ ES 2000	3400	3900, 5900	130HS, 200HS/DC	250SPS/ 250DC
6 inch						
277064	Complete 2-Bead Dispenser System includes: (2) 6 in Bead Dispensers, 2 Wind Deflectors, 2 Hoses, 1 Bead Hopper with brackets	●		●	●	
24M838	Complete 2-Bead Dispenser System includes: (2) 6 in Bead Dispensers, 2 Wind Deflectors, 2 Hoses, 1 Bead Hopper with brackets					●
277065	Complete 1-Bead Dispenser System includes: (1) 6 in Bead Dispenser, 1 Wind Deflector, 1 Hose, 1 Bead Hopper with brackets	●		●	●	
24M641	Complete 1-Bead Dispenser System includes: (1) 6 in Bead Dispenser, 1 Wind Deflectors, 1 Hose, 1 Bead Hopper with brackets					●
277067	Replacement Kit includes: (1) 6 in Bead Dispenser, 1Hose, 1 Wind Deflector	●	●	●	●	●
24Z726	Complete 1-Bead Dispenser System includes: (1) 6 in Bead Dispenser, 1 Wind Deflectors, 1 Hose, 1 Bead Hopper with brackets		●			
24Z727	Complete 1-Bead Dispenser System includes: (1) 12 in Bead Dispenser, 1 Wind Deflectors, 1 Hose, 1 Bead Hopper with brackets		●			
12 inch						
24N265	Complete 1-Bead Dispenser System includes: (1) 12 in Bead Dispenser, 1 Wind Deflector, 2 Hoses, 1 Bead Hopper with brackets	●		●	●	
24N267	Complete 1-Bead Dispenser System includes: (1) 12 in Bead Dispenser, 1 Wind Deflector, 1 Hose, 1 Bead Hopper with brackets					●
245516	Replacement Kit includes: (1) 12 in Bead Dispenser, 1 Hose, 1 Wind Deflector	●		●	●	●
				LineLazer V		
EZ BEAD PRESSURIZED DISPENSING SYSTEM (KITS)				3900, 5900	200HS/DC	250SPS/ 250DC
16R962	Complete 1-Bead Gun Pressurized System includes: 1 Bead Gun, 1 Bead Tank with brackets, 1 Compressor and 1 Air Tank					●
16R961	Complete 2-Bead Gun Pressurized System includes: (2) Bead Guns, 1 Bead Tank with brackets, 1 Compressor and 1 Air Tank					●
16R955	Complete 1-Bead Gun Pressurized System includes: 1 Bead Gun, 1 Bead Tank with brackets, 1 Compressor and 1 Air Tank				●	
16R960	Complete 2-Bead Gun Pressurized System includes: 2 Bead Guns, 1 Bead Tank with brackets, 1 Compressor and 1 Air Tank				●	
16U439	2nd Pressurized Bead Tank Kit includes: 1 Bead Tank with mounting hardware					●
16R963	Pressurized Bead Gun Kit includes: 1 Bead Gun, (1) .234 and (1) .281 Tip, Clear Hose and hardware				●	●

LINELAZER RAC® 5 SWITCHTIP™ SPRAY TIPS

Graco's complete line of LineLazer SwitchTip spray tips have the right tip for all your striping needs.

		IN	MM	.013	.015	.017	.019	.021	.023	.025	.027	.029	.031	.033	.035	.039	.043
LINE WIDTH	2-4	(51-102)	213	215	217	219											
	4-6	(102-152)		315	317	319	321	323	325	327	329	331	333	335	339	343	
	4-8	(102-204)			417	419	421	423	425	427	429	431		435	439	443	
	8-12	(204-305)					621	623	625	627	629	631		635	639	643	
	Flow Rate (gpm)		.18	.24	.31	.38	.47	.57	.67	.77	.90	1.03	1.17	1.31	1.63	1.98	
	Flow Rate (lpm)		.69	.91	1.17	1.47	1.79	2.15	2.54	2.96	3.42	3.90	4.42	4.98	6.18	7.51	



\*Chart indicates the SwitchTips orifice size in inches.







		LINELAZER ES 1000	LINELAZER V ES 2000	LINELAZER 3400
SPECIFICATIONS	Maximum Tip Size	0.025	0.033	0.027
	Maximum psi (bar)	3300 (227)	3300 (227)	3300 (227)
	Maximum gpm (lpm)	0.60 (2.3)	1.10 (4.1)	0.75 (2.8)
	Applications	Turf and Pavement	Turf and Pavement	Turf and Pavement
	Honda GX Engine cc (hp)	N/A	N/A	120 (4.0)
	Weight lb (kg)	340 (154) - 1 Battery 410 (186) - 2 Battery	430 (195) Standard 440 (200) HP Automatic	160 (73)
	Gun Support: 1 Gun 2 Guns 3 Guns 4 Guns 5 Guns	0.025 — — — —	0.033 0.025 — — —	0.027 — — — —



Series Type		Standard	Standard	HP Automatic				Standard
Model	Part Number	25M226 – 1 Battery 25N784 – 2 Battery	25N550 – 2 Battery	25N551 – 2 Battery	25N552 – 2 Battery	25N559 – 2 Battery	25N560 – 2 Battery	25M224
	Gun(s)	Flex Plus 2 Manual	Flex Plus 2 Manual	Flex Plus 1 Automatic, 1 Manual	Flex Plus 2 Automatic	Flex Plus 1 Automatic, 1 Manual	Flex Plus 2 Automatic	Flex Plus
Includes	Hose	1/4 in x 50 ft (6.4 mm x 15 m) BlueMax II Airless	3/8 in x 22 ft (9.5 mm x 6.7 m) BlueMax II Airless				1/4 in x 50 ft (6.4 mm x 15 m) BlueMax II Airless	
	Laser			LazerGuide 1700 Start/Stop Laser				
	Laser					LazerGuide 2000 Laser-Guide Layout System		
	SwitchTip	LineLazer RAC 5	LineLazer RAC 5				LineLazer RAC 5	
	Easy Out Filter	60 Mesh	50 Mesh				60 Mesh	
	Type	ProConnect	QuikChange System				QuikChange System	
Pump	Intake	QuikAccess	QuikAccess				QuikAccess	
	Rod	Chromex	Chromex				Chromex	
	Cylinder	Hardened SST	Hardened Stainless Steel				Hardened SST	
	Packings	V-Max Blue	V-Max Blue				V-Max Blue	
Tracking Fuel Tank	Tracking System	N/A	SmartControl				N/A	
	Fuel Capacity gal (litrs)	N/A	N/A				0.66 (2.5)	

LINELAZER 130HS	LINELAZER V 3900	LINELAZER V 5900
0.037	0.036	0.043
3300 (227)	3300 (227)	3300 (227)
1.30 (4.9)	1.25 (4.7)	1.60 (6.0)
Turf and Pavement	Turf and Pavement	Turf and Pavement
120 (4.0)	120 (4.0)	160 (5.5)
263 (119)	230 (104) Standard Unit 240 (109) HP Automatic Units	250 (113) Standard Unit 266 (121) HP Automatic Units
0.037 0.029 — — —	0.036 0.025 — — —	0.043 0.029 — — —



STANDARD	STANDARD	HP AUTOMATIC				STANDARD	HP AUTOMATIC			
17H448	17H450	17H452	17H453	17U804	17U805	17H455	17H457	17H458	17U802	17U803
Flex Plus	Flex Plus 2 Manual	Flex Plus 1 Automatic, 1 Manual	Flex Plus 2 Automatic	Flex Plus 1 Automatic, 1 Manual	Flex Plus 2 Automatic	Flex Plus 2 Manual	Flex Plus 1 Automatic, 1 Manual	Flex Plus 2 Automatic	Flex Plus 1 Automatic, 1 Manual	Flex Plus 2 Automatic
3/8 in x 22 ft (9.5 mm x 6.7 m) BlueMax II Airless	3/8 in x 50 ft (9.5 mm x 15 m) BlueMax II Airless					3/8 in x 50 ft (9.5 mm x 15 m) BlueMax II Airless				
		LazerGuide 1700 Start/Stop Laser					LazerGuide 1700 Start/Stop Laser			
				LazerGuide 2000 Laser-Guided Layout System					LazerGuide 2000 Laser-Guided Layout System	
LineLazer RAC 5	LineLazer RAC 5					LineLazer RAC 5				
50 Mesh	50 Mesh					50 Mesh				
QuikChange System	QuikChange System					QuikChange System				
QuikAccess	QuikAccess					QuikAccess				
Chromex	Chromex					Chromex				
Hardened SST	Hardened Stainless Steel					Hardened Stainless Steel				
V-Max Blue	V-Max Blue					V-Max Blue				
N/A	SmartControl					SmartControl				
0.66 (2.5)	0.66 (2.5)					0.95 (3.6)				



		LINELAZER V 200HS	LINELAZER V 200DC
SPECIFICATIONS	Maximum Tip Size	0.047	0.047
	Maximum psi (bar)	3300 (227)	3300 (227)
	Maximum gpm (lpm)	2.15 (8.1)	2.15 (8.1)
	Applications	Turf and Pavement	Turf and Pavement
	Honda GX Engine cc (hp)	200 (6.5)	200 (6.5)
	Weight lb (kg)	306 (139) Standard Unit 322 (146) HP Automatic Units 417 (153) HP Reflective Unit with Pressurized Bead System – 1 Tank	381 (173) Standard Unit 397 (180) HP Automatic Unit 492 (223) HP Reflective Units With Pressurized Bead System – 1 Tank
	Gun Support: 1 Gun 2 Guns 3 Guns 4 Guns 5 Guns	0.047 0.034 – – –	0.047 0.034 – – –



SERIES TYPE		STANDARD	HP AUTOMATIC		HP REFLECTIVE	STANDARD	HP AUTOMATIC	HP REFLECTIVE
MODEL	Part Number	17H461	17H463	17H464	17H465	17Y231	17Y269	17Y270
INCLUDES	Gun(s)	Flex Plus 2 Manual	Flex Plus 1 Automatic, 1 Manual	Flex Plus 2 Automatic	Flex Plus 2 Automatic, PBS INSTALLED 1 TANK	Flex Plus 2 Manual	Flex Plus 2 Automatic	Flex Plus 2 Automatic, PBS INSTALLED 1 TANK
	Hose	3/8 in x 22 ft (9.5 mm x 6.7 m) BlueMax II Airless				2X 3/8 in x 12 ft (9.5 mm x 3.7 m) BlueMax II Airless		
	Laser		LazerGuide 1700 Start/Stop Laser				LazerGuide 1700 Start/Stop Laser	
	Laser							
	SwitchTip	LineLazer RAC 5				LineLazer RAC 5		
	Easy Out Filter	50 Mesh				50 Mesh		
PUMP	Type	QuikChange System				QuikChange System		
	Intake	QuikAccess				QuikAccess		
	Rod	Chromex				Chromex		
	Cylinder	Hardened Stainless Steel				Hardened Stainless Steel		
	Packings	V-Max Blue				V-Max Blue		
TRACKING FUEL TANK	Tracking System	SmartControl				SmartControl		
	Fuel Capacity gal (ltrs)	0.95 (3.6)				0.95 (3.6)		



		LINEDRIVER	LINEDRIVER HD	LINEDRIVER ES
MODEL	Part Number	262004	262005	25N555
	Operating Speed: Forward mph(km/h) Reverse mph (km/h)	to 10 (16) to 6 (10)	to 10 (16) to 6 (10)	to 10 (16) to 6 (10)
	Honda GX Engine Size cc (hp)	160 (5.5)	200 (6.5)	N/A
	Weight lb (kg)	265 (120)	275 (125)	550 (250)
	Fuel Capacity gal (ltr)	.95 (3.6)	.95 (3.6)	N/A
SPECIFICATIONS	Engine Starting System	Manual Pull	ProStart	N/A



LINELAZER V 250SPS	LINELAZER V 250DC
0.055	0.055
3300 (227)	3300 (227)
2.50 (9.5)	2.50 (9.5)
Turf and Pavement	Turf and Pavement
390 (13.0) Electric Start	390 (13.0) Electric Start
666 (302) HP Automatic Units 778 (352) HP Reflective Unit with Pressure Bead System-2 Tanks	752 (341) HP Automatic Units 864 (392) HP Reflective Units with Pressure Bead System-2 Tanks
0.055 0.039 0.031 0.025 0.021	0.055 0.039 0.031 0.025 0.021



HP AUTOMATIC	HP REFLECTIVE				HP AUTOMATIC		HP REFLECTIVE			
17H467	17J951	17H469	25D345	25D340	17H471	17H472	17H473	17H474	25D343	25D344
Flex Plus 2 Automatic	Flex Plus 2 Automatic, PBS INSTALLED 1 TANK	Flex Plus 2 Automatic, PBS INSTALLED 2 TANKS	Flex Plus 2 Automatic, PBS INSTALLED 1 TANK	Flex Plus 2 Automatic, PBS INSTALLED 2 TANKS	Flex Plus 2 Automatic	Flex Plus 3 Automatic	Flex Plus 2 Automatic, PBS INSTALLED 2 TANKS	Flex Plus 3 Automatic, PBS INSTALLED 2 TANKS	Flex Plus 2 Automatic, PBS INSTALLED 2 TANKS	Flex Plus 3 Automatic, PBS INSTALLED 2 TANKS
3/8 in x 12 ft (9.5 mm x 3.7 m) BlueMax II Airless					2X 3/8 in x 12 ft (9.5 mm x 3.7 m) BlueMax II Airless					
			LazerGuide 3000 Long-Line Laser						LazerGuide 3000 Long-Line Laser	
LineLazer RAC 5					LineLazer RAC 5					
50 Mesh					50 Mesh					
QuikChange System					QuikChange System					
QuikAccess					QuikAccess					
Chromex					Chromex					
Hardened Stainless Steel					Hardened Stainless Steel					
V-Max Blue					V-Max Blue					
SmartControl					SmartControl					
1.40 (5.3)					1.40 (5.3)					





# SPRAY WITH CONFIDENCE

## Warranty Spray Protection

Behind every piece of equipment we manufacture is the industry's strongest warranty. You may never need to use Graco's warranty — but if you do, we will be there.

### 3-YEAR WARRANTY\*

Coverage against defects in materials and workmanship on the entire striper.

### 30-DAY "JUST ADD PAINT" REPLACEMENT GUARANTEE\*

Dissatisfied? Simply return the striper to the place you bought it within 30 days. They'll either exchange it for an identical striper or you can trade-up to a larger striper at an additional cost.

### DOWNTIME ELIMINATOR PROGRAM\*

Part needed for a warranty repair not in stock at your distributor? Get FREE next business day air freight delivery when distributor orders the part by 2 p.m. CST.

Nobody Else Builds Stripers Like This.

\*NORTH AMERICA ONLY. See your local Graco Distributors for country specifics. See printed product warranty for complete warranty terms and conditions.



## Finish Every Job, Every Time

Downtime is costly. With the Endurance Advantage Program, you'll never need to worry about it again. Depending on the sprayer you purchase:

**Receive up to 70% OFF the list price of an Endurance Pump**  
**OR — Receive a FREE Repair Kit if you'd rather repack your own pump.**

Follow the registration instructions included with your sprayer.



Every Graco purchase comes with A+ Customer Service.

Questions?  
Call (844) 241-9499

**For more information visit [graco.com](http://graco.com)**

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**Ford F350 Pickup Specs for Illinois Local Government Agencies** Pg 2**Bob Ridings Fleet Sales Program****Todd Crews, Fleet Sales Mgr.**

Ph. 217-824-2207

931 Springfield Rd

E-Mail

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Taylorville IL 62568

todd fleet@aol.com

Ordering Agency: CITY OF YORKVILLE Ford Fleet # \_\_\_\_\_ Quantity: 1Contact Person: ERIC DAUSE Purchase Order # \_\_\_\_\_Address: 800 GAME FARM RD City & Zip: YORKVILLE 60560 Cost Each \$ 53,695Phone: 630-878-7102 Fax/Email: EDAUSE@YORKVILLE.IL.US TOTAL ORDER COST \$ 53,695**STEP 1, SELECT Your F350 Model XL Standard Package Equipment Includes: See more at [www.ford.com](http://www.ford.com)**

6.2 Litre E85 V-8 w/385 HP & HD 10spd Automatic Power Steering & Brakes & 4 Wheel Disc Anti Lock Brakes & Advance Trac  
 LT245/75R17E Tires w/Full Size Spare w/17" Silver Styled Steel Wheels 34 Gal Fuel Tank (29 Gal w/Diesel Short Bed)  
 Trailer Pkg. w/650 CCA Battery & HD 200 Amp Alternator Intermittent Wipers Front & Side Air Bags  
 HD Oil & Trans Coolers, Class V Trailer Hitch and Wiring Extendable Trailer Mirrors AutoLamp On/Off Headlamps  
 Air Conditioning AM/FM Stereo NOW includes SYNC Bluetooth AND Rearview Camera w/Dash Screen (with pickup bed)  
 XL Trim w/40/20/40 Vinyl Split Seat & Full Vinyl Floor Covering Black Grille & Bumpers & HD Front Tow Hooks  
 3/36 Basic Warranty, 5/60 Powertrain 4x4 Models Also Include Solid Front Axle & 2spd ELECTRIC Shift on the Fly 4x4

**SINGLE Rear Wheels, 10,100 min GVWR (optional 18" wheels & tires add capacity, inquire)**☒ **2021 F350 REGULAR Cab Pickup w/8ft Bed** \_\_\_ 2wd \$26,975.00 ☒ 4x4 \$29,595.00\_\_\_ **2021 F350 SUPER Cab w/6.75ft SHORT Bed** \_\_\_ 2wd \$29,075.00 \_\_\_ 4x4 \$31,575.00

SUPER Cab includes w/8ft LONG Bed \_\_\_ 2wd \$29,250.00 \_\_\_ 4x4 \$31,750.00

Flip-Out Cab Access Doors &amp; Folding Rear Bench Seat.

\_\_\_ **2021 F350 CREW Cab w/6.75ft SHORT Bed** \_\_\_ 2wd \$30,195.00 \_\_\_ 4x4 \$32,750.00

CREW Cab includes w/8ft LONG Bed \_\_\_ 2wd \$30,370.00 \_\_\_ 4x4 \$32,925.00

FULL Rear Doors &amp; FULL Rear Bench Seat.

**OPTIONAL** ☒ **NEW 7.3 Litre V8**, Includes HD 10spd Automatic, 430 horsepower, 475 lb Torque \$1675.00  
**ENGINES** \_\_\_ **6.7 Powerstroke Turbo Diesel V8**, w/Dual Alternators & Batteries & 100,000 mi Warranty \$9550.00

**STEP 2, SELECT Paint Color and Interior (Includes Med Gray Interior) \_\_\_ School Bus Yellow \$635.00**

(Z1) White \_\_\_ (M7) Carbonized Gray \_\_\_ (PQ) Bright Race Red **SPECIAL Paint** \_\_\_ Omaha Orange \$635.00  
☒ (JS) Silver \_\_\_ (HX) Antimatter Blue \_\_\_ (UM) Agate Black **(Inquire)** \_\_\_ Dk Green Gem \$635.00

**XL INTERIOR** \_\_\_ Vinyl 40/20/40 Split Bench Seat Standard \_\_\_ (1S) Cloth 40/20/40 Split Bench (Std w/XLT) \$95.00  
 \_\_\_ WITH CREW CAB \$285.00

**STEP 3, SELECT Options & Equipment for XL Base Model (All Items this section INCLUDED w/XLT)**

\_\_\_ **XL Value Pkg** w/Cruise & Chrome Bumpers \$375.00 \_\_\_ **Power Windows/Locks/Mirrors & Remote Keyless**  
 \_\_\_ **Cruise Control ONLY** \$215.00 \_\_\_ **Reg & Super Cab** \$835.00 \_\_\_ **Crew Cab** \$1035.00

\_\_\_ **STX UPGRADE Pkg**, Includes XL Value Pkg PLUS Chrome Grille 110V Power Outlet \$175.00  
 & 18" Aluminum Wheels w/LT275/70R18 Tires \$1825.00 \_\_\_ SIRIUS XM Radio \$175.00

\_\_\_ **18" Tires (ADD 500-1000 lb GVWR, INQUIRE)** \$425.00 \_\_\_ Chrome Bumper Décor Pkg \$210.00\_\_\_ **Fleet Driver Assistance Pkg**, Includes BLIS Blind Spot System WITH \_\_\_ Built in Factory Trailer Brake \$249.00

Cross Traffic Alert, Lane Keeping Alert, PreCollision Assist with  
 Forward Collision Warning and Automatic High Beams \$950.00 \_\_\_ SYNC 3 w/8" TouchScreen Control \$425.00



# 2021 Ford F350 PICKUP Options

Pg 3

**X XLT UPGRADE PACKAGE**, Includes XL AND STX Standard AND OPTIONAL Equipment on Pg 2, PLUS

Sirius Radio, Chrome Grille & Bumpers, 18" Aluminum Wheels, Co-Pilot 360 Driver

Assist Pkg, SYNC 3 w/8" TouchScreen, Cloth 40/20/40 Split Bench Seat PLUS MORE!!!

SPECIFY \_\_\_ Full Vinyl Floor Covering \_\_\_ Carpeted Floor w/Mats

**X REGULAR Cab \$4675.00**

\_\_\_ SUPER Cab \$4975.00

\_\_\_ CREW Cab \$5475.00

**XLT OPTIONS** \_\_\_ (2S) Bucket Seats & Full Size Console w/Armrest & Storage (Super & Crew Cab Only) \$895.00

\_\_\_ **XLT VALUE PKG** Includes Power Driver Seat & Keyless Entry Keypad \_\_\_ Regular Cab \$1395.00  
(17V)(Super & Crew Cab also include power adjustable pedals) \_\_\_ Super & Crew Cab \$1525.00

\_\_\_ **XLT PREMIUM PKG (17P)**(Super & Crew Cab ONLY) Includes Power Driver AND Passenger Seats, HEATED Seats, Chrome Pkg Including Wheels, Door Handles, Tow Hooks, Mirror Covers & Tubular Step Bars. Keyless Keypad, Power Pedals, Fog Lamps, Reverse Sensing System, and PowerScope Mirrors **\$3150.00**

\_\_\_ (53R) Ultimate Trailer Tow Camera System w/Backup Assist, Includes 360 Degree Camera System & Trailer Reverse Guidance \$1550.00

\_\_\_ Fog Lamps \$125.00

\_\_\_ Power Adjust Pedals \$125.00

\_\_\_ PowerScope Power Folding Trailer Mirrors w/Utility Lights \$275.00

\_\_\_ GPS Navigation \$565.00

## 2021 F350 FACTORY OPTIONS for all Models

**\*WORK ESSENTIALS** We STRONGLY ENCOURAGE the following (\*) important equipment for EVERY WORK TRUCK!!!

**X \*AUXILIARY HELPER SPRINGS & Rear Stabilizer Bar \$150.00**

\_\_\_ \*Electronic Locking Axle (posi-traction/anti-spin axle) \$360.00

**X \*All Terrain Tires** \_\_\_ w/Standard XL 17" Wheels \$150.00

**X 18" Wheels, STX or XLT \$250.00**

**X \*4x4 Snowplow Prep Pkg \$230.00**

(REQUIRED for Plow Use, Incl HD Front Springs)

**X Extra HD 240 Amp Alternator \$80.00**

**X Dual Batteries w/Gas V8 \$200.00**

(Diesel Includes Dual Batteries & Dual Alternators)

\_\_\_ 2wd Heavy Serv. Suspension (for 2wd w/Service Body) \$125.00

\_\_\_ Factory Upfitter Switch Panel w/6 Switches \$150.00

\_\_\_ 4x4 Skid Plate Pkg (Super Cab & Crew Cab Only) \$100.00

\_\_\_ PTO Provision (REQUIRES Diesel or 7.3 V8) \$275.00

\_\_\_ Built in Factory Trailer Brake (with XL, Included w/XLT) \$249.00

\_\_\_ Engine Block Heater \$95.00

\_\_\_ Daytime Running Lights \$45.00

\_\_\_ Factory Backup Alarm \$135.00

\_\_\_ Factory Remote Start \$230.00

\_\_\_ CNG/LPG Prep Pkg (Inquire) \$300.00

\_\_\_ Deep Tinted Rear Glass & Rear Defogger (with XL) \$90.00

\_\_\_ Rear Defogger w/XLT (Deep Tint Std) \$60.00

\_\_\_ Deep Tint Glass & Pwr Sliding Rear Window (with XL) \$425.00

\_\_\_ Pwr Sliding RR Window w/XLT \$395.00

(Sliding Window with Super Cab & Crew Cab Only)

## (\*) DIESEL ONLY OPTIONS (inquire)

\_\_\_ \*HD Trailer Pkg, 30,000 GCWR \$1095.00

\_\_\_ \*WITH HD Backup Assist (inquire) \$2695.00

\_\_\_ \*Manual Operator Regen (Inquire) \$250.00

\_\_\_ \*Rapid-Heat Supplement Cab Heater \$250.00

## RUNNING BOARD OPTIONS (a MUST for 4x4s, Inquire)

\_\_\_ **FACTORY Black** \_\_\_ Regular Cab \$320.00

\_\_\_ Running Boards \_\_\_ Super or Crew \$425.00

\_\_\_ Molded Mudflaps, Set of 4 \$120.00

**X STAINLESS Aftermarket** \_\_\_ Black \$450.00

Tubular Cab Steps **X Polished** \$550.00

\_\_\_ Tubular Front \_\_\_ Black Steel \$695.00

Brush/Grille Guard \_\_\_ Polished Stainless \$995.00

## INTERIOR AND BODY PROTECTION

\_\_\_ Door Edge Guards, Black \$30.00

\_\_\_ HD Deep Groove Rubber Floor Mats \$75.00

**X WeatherTech Premium** **X Front Pr** \$140.00

Floor Liners \_\_\_ Frt & Rear \$225.00

\_\_\_ Vent Visors, \_\_\_ Frt Pair \$89.00

Smoke Acrylic \_\_\_ Set of 4 \$125.00

\_\_\_ Bug Deflector, Smoke Acrylic \$130.00

## FACTORY TRAILERING OPTIONS (Not Available w/Service Body)

\_\_\_ GOOSENECK Pkg w/Ball & Factory Prep Pkg \$695.00

\_\_\_ 5<sup>TH</sup> WHEEL Hitch Pkg, 18,000 lb Rating, Includes

Factory Prep Pkg w/Bed Reinforcements & Wiring \$1495.00

\_\_\_ Factory Bed Prep Pkg ONLY (inquire) \$455.00

EXTRA **X ADD** Programmed Key w/NO Remote \$70.00 ea

KEYS \_\_\_ ADD Key & Remote Combo \$195.00 ea

(2 Std) \_\_\_ Factory CD Rom Service Manual \$275.00

\_\_\_ RHINO Liner Spray in Bedliner \$650.00

\_\_\_ Undercoat \$269.00

\_\_\_ Rearview Camera Kit WITH Service Body or Bed Delete

(NOTE additional cost to install, inquire) \$395.00

## PICKUP BED OPTIONS (Not Avail w/Svc Body)

\_\_\_ LED Bed Courtesy Lighting \$60.00

\_\_\_ Factory Tailgate Step w/Assist Handle \$350.00

\_\_\_ Reverse Sensing System \$275.00

\_\_\_ Soft Folding Tonneau Cover (21D) \$525.00

\_\_\_ Hard Folding Tonneau Cover (21E) \$995.00

\_\_\_ Retractable Tonneau Cover (21J) \$1695.00

\_\_\_ Molded Plastic Drop In Bedliner \$335.00

\_\_\_ **FACTORY Spray in Bedliner \$575.00**

PENDING 2021 introductory information, contact me to review your selections before ordering!!



**X KNAPEIDE 8ft Service Body Package** Replaces Factory Pickup Box and Bumper with 8ft Service Body. Model 696J w/E-Coated Steel, Standard 40" Height, Includes 3 Compartments Per Side 14" Deep w/Std. Shelving Pkg. 96"x 49" Treadplate Floor, Stainless Hinges & Paddle Latches, Slam Latch Tailgate **\$6995.00**  
 See at [www.knapheide.com](http://www.knapheide.com) ADD Flip Top Body \$1000.00

ADD Compartment Power Locks, Wired to Factory  
Truck Power Locks & Remote!! \$1195.00  
Manual Master Locking System \$545.00

OPTIONS Paint White or Black No Cost  
 AVAILABLE Paint to Match for other Colors Inquire

WEATHERGUARD Model 1225 Ladder Rack (1000 lb, 72" Wide) \$1725.00  
ADD Model 1259 Screen Cab Protector for 1500 lb Capacity \$2175.00

LED Rope Lighting in Compartments \$995.00

**X Knapliner Spray Lined Rear Bumper** \$150.00  
**X Knapliner Spray in Bedliner, Cargo Area** \$995.00  
Pintle/Ball Combo Hitch \$295.00  
Hot Stick Compartment Door \$475.00  
Rear Grab Handles \$65.00  
Frt Corner Alum Rock Guards \$120.00  
Rear Bumper Vise Bracket \$150.00

**CTECH Premium Aluminum Drawer Systems, Installed in Knapheide Compartments** GO Light Work Area Spotlight  
5 Drawer in Front Vertical Compartment, Left or Right Side \$1250.00 ea Mounted On Post at Front Corner  
2 Drawer in Horizontal Compartment, Left or Right Side \$995.00 ea of Body at Cab Height, Remote  
5 Drawer in Front Vertical Compartment, Left or Right Side \$1125.00 ea Control Operation \$895.00

**TOMMYGATE** 1300 lb Capacity, includes Black Steel Platform with 11" Folding Extension, Model 54 & 60 **\$3775.00**  
**G2 LIFTGATE** (Not available w/Toppers, includes backup camera relocate w/pickups) USE ALUMINUM Platform \$695.00

**RAMSEY** Front Mount, 6000lb, Remote Controls, 95ft Cable w/Hook, Includes Black Grille Guard \$3385.00  
**WINCHES** REAR MOUNT 8000lb, Remote, Cable, Removable TRAILER HITCH Mount \$2685.00

#### EMERGENCY LIGHTING

Federal "Highlighter" 15" LED Amber Light Bar  
WITH Special CHMSL Platform \$875.00  
WITH BACKRACK Cab Protector \$945.00  
Federal 6" Round LED Amber Strobe  
WITH BACKRACK Cab Protector \$825.00  
BACKRACK Cab Protector ONLY \$450.00

**X Federal 4 Way Built in Parking Lamp Strobes, Amber LED, Our most popular** \$695.00

#### A.R.E. PICKUP CAP/TOPPERS PHOTOS & INFO at [www.4are.com](http://www.4are.com)

LS II FIBERGLASS HARD TONNEAU LID \$1545.00  
 Clamped to Bedrails, Std Body Colors, Raises w/Hydraulic Struts

V SERIES FIBERGLASS CAP TOPPER, Cab Height \$1745.00  
 Bolted to Bedrails, Std Body Colors, Deep Tint Sliding Side Windows  
ADD Sliding Front Window \$125.00  
Use Solid Sides, NO Side Glass No Cost  
SWING UP Side Windows \$275.00  
EXTRA Height Wedge Top \$425.00  
Install Clamped w/Aluminum Clamps \$30.00

Cargo Glide from A.R.E Available with any A.R.E Cap or Lid  
 Contractor Grade, 4" Aluminum Side Rails, 70% Extension  
1000lb Classic \$1095.00  
1500lb Cargo Glide Pro \$1495.00  
2200lb Cargo Glide Pro HD \$1695.00  
1500lb w/100% Extension \$1995.00  
2200lb w/100% Extension \$2295.00

DCU COMMERCIAL ALUMINUM CAP \$1895.00  
 .035 Aluminum, Painted White, Cab High, Includes  
 Swing-Up Rear Gate & Side Doors w/NO Windows  
EXTRA HEIGHT 6" Taller Roof \$175.00  
SPECIAL PAINT Color (inquire) \$300.00  
Swing Out Rear Double Doors \$400.00  
Roof Liner \$100.00  
 WINDOW NO Windows Standard  
 OPTIONS Front & Rear Glass \$195.00  
Front, Rear & Sides \$295.00  
 SIDE DOOR NO Doors, Solid Sides No Cost  
 OPTIONS Side Windows \$295.00  
Built In Tool Bins \$300.00  
Shelving Options, \$200.00  
Dome Lamps, Inquire  
Ladder Rack, 220 lb Capacity \$200.00  
Deluxe Locking Ladder Rack \$725.00  
SPECIAL Amber LED Strobe System Inquire

PENDING 2021 introductory information, contact me to review your selections before ordering!!



**WEATHERGUARD ALUMINUM TOOLBOXES**

Bright Treadplate Aluminum Premium Toolboxes

\_\_\_ Front Crossbox, \_\_\_ Single Lid \$895.00  
 \_\_\_ Double Lid \$995.00

\_\_\_ Side Boxes, \_\_\_ Left or \_\_\_ Right Side \$775.00  
 \_\_\_ Pair, BOTH Sides \$1490.00

\_\_\_ HIGH Side Box \_\_\_ Left or \_\_\_ Right Side \$995.00  
 \_\_\_ Pair, BOTH Sides \$1890.00

**UWS ALUMINUM TOOLBOXES**

Bright Treadplate, Quality LOWER COST Toolboxes!!

\_\_\_ Front Crossbox, \_\_\_ Single or \_\_\_ Double Lid \$495.00

\_\_\_ Side Boxes, \_\_\_ Left or \_\_\_ Right Side \$495.00  
 \_\_\_ Pair, BOTH Sides \$925.00

**PICKUP** \_\_\_ Weatherguard Model 1275, Black Steel, 1000 lb Capacity \$1395.00  
**Ladder Rack** \_\_\_ ADD Screened Cab Protector for 1500 lb Capacity \$1795.00

[www.weatherguard.com](http://www.weatherguard.com)**SNOWPLOWS** Include Quick Release Mount & Rubber or Poly Snow Deflector (REQUIRES Snowplow Prep Pkg on Pg 3)**FOR 4x4's** \_\_\_ **WESTERN 7.5 ProPlow w/Ultra-Mount \$5695.00**

\_\_\_ Western 8ft ProPlow \$5795.00

\_\_\_ Western 8ft ProPlow PLUS \$5995.00

\_\_\_ Western 8.5 ft Pro PLUS \$6095.00

\_\_\_ Western 9.0 ft Pro PLUS \$6195.00

\_\_\_ Western 8.5ft MVP3 V-Plow \$6545.00

\_\_\_ Western 9.5ft MVP3 V-Plow \$6945.00

\_\_\_ Western 8.5ft Prodigy Plow \$6945.00

\_\_\_ Western 8-10ft WIDE OUT \$7445.00

NOTE MVP3 includes flared wings, Wide Out uses sliding wings

OPTION \_\_\_ ADD HEATED LED Lights \$525.00

\_\_\_ **BOSS 7.5 ft Super Duty \$6175.00**

\_\_\_ Boss 8.0 ft Super Duty \$6375.00

\_\_\_ Boss 8.5 ft Super Duty \$6525.00

☒ Boss 9.0 ft Super Duty \$6675.00

\_\_\_ Boss 8.2 ft VXT V-PLOW \$7375.00

\_\_\_ Boss 9.2 ft VXT V-PLOW \$7575.00

(Note VXT Models include Flared Wings)

\_\_\_ Boss 8-10ft EXT Adjustable

with Sliding Wings \$8225.00

NOTE All BOSS Plows INCLUDE LED Lights

\_\_\_ **WESTERN TORNADO, POLY V Box Spreader, 1/2 hp Electric Power, 1.8 Cu Yd** \_\_\_ **7 foot \$6250.00**  
 Hopper, Mounted w/Ratcheting Hold Downs, Electric Controls in Cab \_\_\_ **8 foot \$6950.00**

\_\_\_ **WESTERN STRIKER, STAINLESS V Box Spreader, Includes Electric Power, 2.0 Yd** \_\_\_ **8 foot \$6250.00**  
 Hopper w/Top Screen, Mounted w/Ratcheting Hold Downs, Electric Controls in Cab \_\_\_ **9 foot \$6950.00**

\_\_\_ **WESTERN Model 2500 Low Profile, Below Tailgate, 1/3 hp Electric Power, 8.5 cu ft Poly Hopper** \$2975.00

\_\_\_ **WESTERN Model 1000 Low Profile, Below Tailgate, 1/3 hp Electric Power, 8 cu ft Poly Hopper** \$2575.00

**FORD EXTENDED SERVICE PLAN** factory warranty coverage good at any Ford Dealer, \$100 deductible after 3yr/36,000 mi.

Inquire for details or different time or mileage limits (Trucks w/Bed Delete or Service Bodies NOT Included, Inquire)

\_\_\_ **6yr/100,000 mi Powertrain** \_\_\_ **5yr/75,000 mi Extra Care** \_\_\_ **5yr/75,000 mi. PremiumCare**

\_\_\_ 2wd \$1495.00

\_\_\_ 2wd \$1495.00

\_\_\_ 2wd \$1795.00

\_\_\_ 4x4 \$1595.00

\_\_\_ 4x4 \$1595.00

\_\_\_ 4x4 \$1895.00

\_\_\_ w/Snowplow \$2295.00

\_\_\_ w/Snowplow \$2295.00

\_\_\_ w/Snowplow \$2495.00

**DELIVERY TO YOUR LOCATION**☒ One Truck \$295.00 \_\_\_ Two or More \$250.00 ea**WE CAN PROCESS YOUR "M" LICENSE & TITLE**

\_\_\_ New Municipal "M" License and Title \$208.00

**PLEASE SUBMIT THIS FORM WITH YOUR ORDER AND THANK YOU FOR YOUR BUSINESS!!****PENDING 2021 introductory information, contact me to review your selections before ordering!!**



**Bob Ridings Inc. Fleet Sales Program**  
**Todd Crews, Fleet Sales Mgr.**  
**931 Springfield Rd**  
**Taylorville IL 62568**

**Pg 1**

Ph 217-824-2207

E-Mail: toddfleet@aol.com

FAX 217-824-4252

**YOUR GUIDE to the 2021 Ford Pickup for Illinois Local Government Agencies. Come see how EASY it is to deal with Bob Ridings! Available to all Illinois Municipal Agencies!!**

BOB RIDINGS again invites your agency to SAVE TIME AND MONEY with our annual program for Government Purchase. Use the convenient order forms enclosed to select the following vehicles—

**2021 Ford F250/350/450/550 Pickup & Chassis Models**

- We are one of Illinois' largest and most experienced suppliers of government vehicles!
- We offer lots of options to tailor your vehicle to the job with the **USER FRIENDLY ORDER FORMS ENCLOSED**. We can also accept **TRADE INS** (see form below) and offer Ford Municipal Lease Purchase (Inquire)
- We offer low cost delivery to your door and License and Title processing to further save you time and effort.

**HOW TO ORDER:**

- FILL OUT** the vehicle order form attached, checking off your model, color & interior, and options, etc.
- CALL ME** to review your selection and to inquire about trades or financing and **fax or email your form**.
- I WILL** review your selections and prepare an itemized proposal letter with correct price for your approval  
**If you must plan for May 1 or other fiscal year issues let me know, but ORDER EARLY!!**  
Upon receipt of your purchase order we will order the truck and send a confirmation letter for your records.  
Please allow an estimated 90-120+ days minimum for delivery (more for truck bodies).
- We will contact you when your order is almost ready and will send invoice at that time to help you prepare your check before delivery! **Thank you for your business and we hope to see you soon!!**

*Sincerely,  
Todd Crews,  
Fleet Sales Manager*

**TRADE INFORMATION REQUEST** Fill out and fax this page and we will assign a trade value for the vehicle.

**Ordering Agency:** \_\_\_\_\_ **Contact Person:** \_\_\_\_\_

**Address, City & Zip:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Phone:** \_\_\_\_\_ **Fax:** \_\_\_\_\_ **Email:** \_\_\_\_\_ **TRADE VALUE \$** \_\_\_\_\_

**YEAR** \_\_\_\_\_ **MAKE** \_\_\_\_\_ **MODEL** \_\_\_\_\_ **BODY STYLE** \_\_\_\_\_

**VIN # (17 digits)** \_\_\_\_\_ **MILEAGE** \_\_\_\_\_ **COLOR** \_\_\_\_\_

PLEASE CIRCLE	Engine ----- 4 6 8 Diesel	Transmission ----- Man Auto	TRUCKS ----- 2wd 4x4	TRUCK CAB ----- Reg Ext Crew	POLICE CARS ----- Marked Admin K9
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PLEASE CHECK	___ Air Conditioning ___ Cruise Control	___ Power Windows ___ Power Locks	___ Bucket Seats ___ Spotlight	Other _____ ___ Minivan Rear Air
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PLEASE LIST \_\_\_\_\_  
CONDITION such as holes from equipment removal and/or TRUCK EQUIPMENT such as snowplow or special body

LIST DAMAGE AND/OR INOPERABLE ITEMS \_\_\_\_\_

Unless noted we assume all vehicles to be highway safe with no significant mechanical or cosmetic damage. If further damage occurs while waiting for production we may require a new trade evaluation. Note our quote will also assume your continued use of the trade while waiting for the new vehicle. Please call with any questions and thanks for your business!!





4260 Linden Road, Rockford, IL 61109



**Peterbilt Motors Company**  
**Contract #081-716-PMC**

Date: March 5, 2021

To: United City of Yorkville  
Attn: John Sleezer  
610 Tower Lane  
Yorkville, IL 60560

Dear John,

JX Truck Center - is pleased to present the following proposal for  
(1) New 2022 Peterbilt 348 single axle cab & chassis with the attached specifications:

Peterbilt 348 stock chassis List Price:	\$143,897
Sourcewell Discount:	35.00%
Sourcewell Chassis Price:	\$93,533
Total Chassis Price:	\$93,533

<b>Sourced Goods:</b>	
PX9 Engine (5yr/100k) Ext Warranty:	\$1,450.00
PX9 Aftertreatment (5yr/100k) Ext Warranty:	\$740.00
Allison (5yr total, 3 year standard) Ext Warranty	\$482.00
Pre-delivery inspection/Fuel/Def/undec:	\$495.00
Detailing/Delivery:	\$475.00
IL Doc Fee:	\$300.00
IL Title and Municipal Plate	\$158.00
Total Sourced Goods:	\$4,100.00 (total dealer items)

**Proposal Total: \$97,633.00 (Chassis to be paid on delivery to dealer from Peterbilt Motors)**

Sincerely,

*Connie Swenson*

**Connie Swenson** | Sales Executive  
JX Enterprises, Inc  
Cell: (815) 222-5786  
cswenson@jxe.com | *Your Partner for the Long Haul,*





Peterbilt II-Rockford (R120)  
4260 Linden Road  
Rockford, Illinois 61109

United City of Yorkville  
610 Tower Ln  
Yorkville, Illinois 60560  
United States of America

Connie Swenson  
Cell Phone: NULL  
Office Phone: (815)874-3433  
Email: cswenson@jxe.com

John Sleezer

## Vehicle Summary

Unit		Chassis	
Model:	Model 348	Fr Axle Load (lbs):	20000
Type:	Full Truck	Rr Axle Load (lbs):	23000
Description 1:	SA Plow	G.C.W. (lbs):	60000
Description 2:	Ref 709097		
Application		Road Conditions:	
Intended Serv.:	Snowplow	Class A (Highway)	90
Commodity:	Other Commodity	Class B (Hwy/Mtn)	10
		Class C (Off-Hwy)	0
		Class D (Off-Road)	0
Body		Maximum Grade:	
Type:	End Dump	Wheelbase (in):	175
Length (ft):	16	Overhang (in):	45.8
Height (ft):	10.5	Fr Axle to BOC (in):	69.8
Max Laden Weight (lbs):	1000		
Trailer		Cab to Axle (in):	
No. of Trailer Axles:	0	Cab to EOF (in):	151
Type:		Overall Comb. Length (in):	259
Length (ft):	0	Special Req.	
Height (ft):	0		
Kingpin Inset (in):	0		
Corner Radius (in):	0		
Restrictions			
Length (ft):	40		
Width (in):	102		
Height (ft):	13.5		

Approved by: \_\_\_\_\_

Date: \_\_\_\_\_

Note: All sales are F.O.B. designated plant of manufacture.





Sales Code	Std/ Opt	Description	\$ List	Weight
<b>Base Model</b>				
0003481	S	<b>Model 348</b> The Model 348 was designed to exceed the rigid demands of Class 7 and Class 8 specialty application markets that require rugged durability and a wide range of optional content. The Model 348 represents a multi-dimensional performer with a GVW from 33,000 to 66,000 lbs. and optional capacity ratings to suit almost any vocation. The 348 is also available in a specifically designed all-wheel-drive configuration. From construction and crane service to utility and delivery services in both Class 7 and Class 8 markets, the 348 is in a class by itself.	108,550	10,610
0091200	S	<b>Other Commodity</b>	0	0
0093150	O	<b>Snowplow</b> Truck which is configured for mounting a snowplow to the front. May also have dump or other body.	0	0
0095170	O	<b>End Dump</b>	0	0
0098170	S	<b>United States Registry</b> Canadian Registry Package Requires Air Conditioning Excise Tax Canada, Speedometer to be KPH ipo MPH, Daytime Running Lights and Rubber Battery Pad in Bottom of Battery Box.	0	0
<b>Configuration</b>				
0200700	S	<b>Not Applicable</b> Secondary Manufacturer	0	0
<b>Frame &amp; Equipment</b>				
0519180	O	<b>11-5/8" Steel Rails to 444"</b> 11.625 x 3.874 x .375 Dimension, 2,568,000 RBM; Yield Strength: 120,000 psi. Section Modulus: 21.4 cubic inches. Weight: 1.91 lbs/inch pair	1,162	416
0611330	O	<b>Zinc Coated Anti Corrosion Treated Frame Rails</b> Requires Frame Rail Code. Zinc Phosphate coating will replace the standard frame rail primer and provide added corrosion prevention for your customer's operating in severe conditions or in climates where vehicle rust is common.	348	0
0612230	O	<b>Custom Wheelbase or Overhang</b> Engineering approval may be required.	365	0
0613090	S	<b>Three-Piece Crossmembers</b>	0	0
0620530	O	<b>FEPTO Provision 27.8in Bumper Extension</b> Includes Crankshaft Adapter Plate and Stationary Grille. Requires FEPTO Bumper.	1,421	86
0644090	S	<b>EOF Square without Crossmember</b> End-of-frame square without crossmember. For use with body builder installed crossmember.	0	0
0651090	S	<b>Omit Rear Mudflaps and Hangers</b>	0	0





Sales Code	Std/ Opt	Description	\$ List	Weight
<b>Front Axle &amp; Equipment</b>				
1011890	O	<b>PACCAR Steer Axle 20,000 lbs. 4" Drop</b> Axle is designed for applications with a gross axle weight rating (GAWR) of 20,000 pounds. Front axle is designed for demanding applications such as construction, heavy haul, refuse, and other vocational uses. Robust forged steel beam construction for long-lasting performance. It utilizes innovative tapered kingpin roller bearings for more efficient operation and improved steering efficiency.  The PACCAR Steer Axle comes standard with the PACCAR warranty of 5 years, 750,000 miles.	1,632	170
1114030	O	<b>Taper Leaf Springs, Shocks 20,000 lb</b> Standard with Heavy Resistance Shocks.	1,328	119
1233110	O	<b>Power Steering TRW THP60 Dual</b> For use with 16,000 to 20,000 lb. axle ratings. Glidekote splines on steering shaft extend service life of components.	939	54
1250250	O	<b>Power Steering Reservoir Frame Mounted w/Cooler</b> A power steering cooler helps reduce the heat of the power steering fluid. This is commonly used with systems that may experience more stress from towing or off-road driving.	254	2
1354845	S	<b>PHP10 Iron PreSet Hubs</b>	0	0
1380280	O	<b>Bendix Air Cam Front Drum Brakes 16.5x7</b> For use with 16,000 lbs to 23,000 lbs steer axles or front drive axles. Includes automatic slack adjusters & outboard mounted brake drums.	230	10
1380490	O	<b>PACCAR Wide Track IPO Standard</b> 71in KPI IPO 69in front axle for improved turning radius.	0	15
1391410	S	<b>Gusseted Cam Brackets, Steer Axle</b>	0	0
1392970	O	<b>Heavy Duty Cam Bushings, Steer Axle</b>	26	0
<b>Rear Axle &amp; Equipment</b>				
1513180	O	<b>Dana Spicer S23-190 23,000 lb</b> Laser factory axle alignment to improve handling & reduce tire wear. Magnetic rear axle oil drain plug captures & holds any metal fragments in drive axle lube to extend service life. Parking brakes on all drive axles for optimal performance. Cognis EMGARD® FE 75W-90 synthetic axle lube provides over 1% fuel economy improvement. Reduces wear & extends maintenance intervals, resulting in increased uptime. Provides improved fluid flow to protect components in extreme cold conditions & withstand the stress from high temperatures, extending component life.	-226	94
1616290	O	<b>PHP10 Aluminum PreSet PLUS Hubs</b>	380	0
1660000	O	<b>Dust Shields For Cam Brakes, Drive Axle(s)</b>	28	15
1680490	O	<b>Gusseted Cam Brackets, Drive Axle(s)</b>	24	2





Sales Code	Std/ Opt	Description	\$ List	Weight
1680500	S	<b>SBM Valve</b> Full trucks require a spring brake modulation (SBM) system for emergency braking application. This system requires an SBM valve and a relay valve with spring brakes on the rear axles. The SBM valve allows the foot valve to operate the rear axle spring brakes if a failure exists in the rear air system.	0	0
1680550	O	<b>Upsize Parking Brakes</b>	126	0
1680795	O	<b>Diff Lock, Single Drive Axle with Speed Interlock</b>	874	30
1680950	S	<b>Stability System Not Selected Or Not Available</b>	0	0
1682430	S	<b>Anti-Lock Braking System (ABS) 4S4M</b> ABS-6. Includes air braking system.	0	0
1684200	S	<b>Synthetic Axle Lubricant All Axles</b> Peterbilt heavy duty models include Fuel Efficient Cognis EMGARD FE75W-90 which provides customers performance advantages over current synthetic lubricants with reduced gear wear and extended maintenance intervals, resulting in increased uptime. In addition, the lubricant provides improved fluid flow to protect gears in extreme cold conditions and withstand the stress from high temperatures, extending component life.	0	0
1686348	S	<b>Single Drive Axle (Model 348)</b>	0	0
1687010	S	<b>Bendix Air Cam Rear Drum Brakes 16.5x7</b> Bendix Air Cam Rear Drum Brakes to fit all heavy haul, construction, refuse and highway truck and tractor applications. Includes Automatic Slack Adjusters & Outboard Mounted Brake Drums.	0	0
1705570	O	<b>Ratio 5.57 Rear Axle</b>	0	0
1811210	S	<b>Peterbilt Air Trac 23,000 lb Light Weight</b>	0	0
1920385	O	<b>Air Springs, Internal Bumpers</b> Air Trac / Air Leaf suspensions	52	0
1922260	O	<b>Dash Mtd Dump Switch with Indicator Light</b> Dash mounted dump switch with indicator light for suspension.	35	2

### Engine & Equipment

2074407	O	<b>PACCAR PX-9 330@2000 GOV@2200 1000@1200</b> Productivity (2021 Emissions)	3,420	0
		N21350 C121 64....Maximum Accelerator Pedal Ve		
		N21370 C128 64....Maximum Cruise Speed (P059)		
		N21460 C132 1400..Max PTO Speed (P046)		
		N21520 C133 5.....Timer Setting (P030)		
		N21610 C188 39....Low Ambient Temperature Thre		
		N21630 C190 80....High Ambient Temperature Thr		
		N21510 C225 YES...Enable Idle Shutdown Park Br		
		N21450 C231 NO....Gear Down Protection (P026)		
		N21570 C233 NO....Idle Shutdown Manual Overrul		

Price Level: July 1, 2020

Deal: SA Plow

Printed On: 3/5/2021 8:18:22 AM

Date: March 05, 2021

Quote Number: QUO-788606-M2J7X9





Sales Code	Std/ Opt	Description	\$ List	Weight
		N21440 C234 NO....Engine Protection Shutdown (		
		N21480 C238 NO....Auto Engine Brake in Cruise		
		N21470 C239 NO....Cruise Control Auto Resume (		
		N21590 C382 YES...Enable Hot Ambient Automatic		
		N21530 C396 YES...Enable Impending Shutdown Wa		
		N21540 C397 60....Timer For Impending Shutdown		
		N21620 C189 60....Intermediate Ambient Tempera		
		N21550 C206 35....Engine Load Threshold (P516)		
		N21340 C209 120...Hard Maximum Speed Limit (P1		
		N21430 C333 0.....Reserve Speed Limit Offset (		
		N21410 C334 0.....Maximum Cycle Distance (N202		
		N21500 C395 0.....Expiration Distance (N209)		
		N21320 C399 120...Standard Maximum Speed Limit		
		N21400 C400 252...Reserve Speed Function Reset		
		N21420 C401 10....Maximum Active Distance (N20		
		N21330 C402 0.....Expiration Distance (N207)		
2091305	O	<b>Engine Idle Shutdown Timer Enabled</b>	0	0
2091315	O	<b>Enable EIST Ambient Temp Override</b>	0	0
2091372		<b>Eff EIST NA Expiration Miles</b>	0	0
2091640		<b>Effective VSL Setting NA</b>	0	0
2092014	O	<b>Typical Operating Speed 65 MPH</b>	0	0
2092032	O	<b>Powertrain Optimized for Performance</b> Best analysis for vehicles used in vocational applications or with heavy GCWRs.	0	0
2140010	O	<b>Belly Pan</b>	137	35
2140200	S	<b>CARB Engine Idling Compliance</b> PACCAR PX-7, PX-9 and MX, Cummins X15 and ISX diesel engines will include the required factory installed serialized sticker on the drivers door to identify them as meeting the NOx idling standard.	0	0
2513060	S	<b>PACCAR 160 Amp Alternator, Brushed</b> PACCAR 160 AMP alternator, brushed producing 160 Amps at road speed and 100 Amps at idle.	0	0
2521090	O	<b>Immersion Type Block Heater 110-120V</b> Standard location for 2.1M and 1.9M models is left-hand under cab, Model 520 is in bumper, and for Model 220 it is at the driver step. Plug includes a weather-proof cover that protects the receptacle. This pre-heater keeps the coolant in the engine block from freezing when the engine is not running.	86	2
2522110	S	<b>PACCAR 12V Starter, N/A PACCAR MX Engines</b> PACCAR 12-volt electrical system. With centralized power distribution incorporating plug-in style relays. Circuit protection for serviceability, 12-volt light system w/circuit protection circuits number & color coded.	0	0
2538040	O	<b>3 PACCAR Premium 12V Dual Purpose Batt 2190 CCA</b>	261	62

Price Level: July 1, 2020

Deal: SA Plow

Printed On: 3/5/2021 8:18:22 AM

Date: March 05, 2021

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Sales Code	Std/ Opt	Description	\$ List	Weight
		Threaded stud type terminal. Stranded copper battery cables are double aught (00) or larger to reduce resistance.		
2539410	O	<b>Battery Jumper Terminal Mounted Under Hood</b> LH Frame Rail. Not available with PX-7 engines.	99	4
2539740	O	<b>Kissling Battery Disconnect Switch, 300 amp</b> Mounted on battery box	216	3
2621000	O	<b>2-Speed Fan Clutch For Frequent Start/Stops</b> A 2-speed fan clutch is ideal for vocational applications where the fan clutch engagement time exceeds 10% of the engine run time. When the fan clutch is disengaged, the fan still rotates at 15-25% of the engine RPM. This fan rotation provides crucial airflow to the engine and draws virtually no horsepower.	374	0
2723210	S	<b>18.7 CFM Air Compressor</b> N/A X15. Furnished on engine. Teflon lined stainless steel braided compressor discharge line.	0	0
2812210	O	<b>VGT Exhaust Brake</b> (Variable Geometry Turbo). Provides approximately 90-100 HP of retardation and is part of the turbocharger.	65	0
2921160	S	<b>Spin-On Fuel/Water Separator</b>	0	0
2921210	S	<b>No Fluid Heat Option for Fuel Filter</b>	0	0
2921320	O	<b>12V Heat for Fuel Filter</b> Fuel filter heaters help ensure a seamless flow of diesel from the tank to the combustion chamber. Eliminating any possibility of moisture freezing within the fuel filter while simultaneously increasing the fuel temperature for atomization within the engine.	58	0
3010400	O	<b>Engine Protection Shutdown w/ Label</b> Includes oil pressure, oil temperature, coolant temperature, and intake manifold temperature.	4	0
3114270	S	<b>High Efficiency Cooling System</b> Cooling module is a combination of steel and aluminum components, with aluminum connections to maximize performance and cooling capability. Silicone radiator & heater hoses enhance value, durability, & reliability. Constant tension band clamps reduce leaks. Chevron Delo Extended Life Coolant (NOAT) extends maintenance intervals reducing maintenance costs. Anti-freeze effective to -30 degrees F helps protect the engine. Low coolant level sensor warns of low coolant condition to prevent engine damage. Radiator Size by Model: 579/367 FEPTO 1325 sq in, 567/365/367: 1440 sq in, 365 FEPTO: 1184 sq in, 389/367 HH: 1669 sq in, 348: 1000 sq in, 520: 1242 sq in.	0	0
3211120	S	<b>Radial Seal, Dry Type Air Cleaner, Frontal</b> Air Intake. Molded rubber air intake connections with lined stainless steel clamps seal to prevent contaminants in air intake.	0	0
3365270	O	<b>Exhaust Single RH Side of Cab</b> DPF/SCR right-hand Under Cab.	405	29
3381770	O	<b>Curved Tip Standpipe(s)</b>	42	0
3387610	O	<b>18" Ht, 5" Dia Chrome, Clear Coat Standpipe(s)</b>	453	-2





Sales Code	Std/ Opt	Description	\$ List	Weight
<b>Transmission &amp; Equipment</b>				
4052110	O	<b>Allison 3000 RDS-P Transmission, Gen 5</b> Rugged Duty Series. Includes Rear Transmission Support except on MX engines, Mobil Delvac Automatic Transmission Fluid, and Water-Oil Heat Exchange. Also includes features that monitor the transmission fluid, filter and clutch condition. Will display percent life remaining for the transmission fluid, filter and clutches on the shift selector. This information may be displayed using the Mode and Up and Down buttons. A wrench icon will also be included to indicate when the transmission fluid, filter or clutches need servicing. Suited for vehicles operating on/off highway and/or requiring PTO operation. Forward ratios: 1st-3.49, 2nd-1.86, 3rd-1.41, 4th-1.00, 5th-0.75, 6th-0.65. Reverse ratios: DR-(5.03).	10,517	195
4210080	S	<b>1710 HD Driveline, 1 Midship Bearing</b>	0	0
4250320	U	<b>PROGRAMMING ALLISON SNOWPLOW</b>	0	0
4250650	O	<b>LH PTO Access Dipstick Tube Routing, Allison Trans</b>	0	0
4252170	O	<b>Auto Neutral Activates With Parking Brake</b> Auto Neutral helps improve jobsite safety by reducing the possibility of the truck moving due to throttle application.	16	0
4252890	O	<b>Allison FuelSense 2.0 Not Desired</b>	0	0
4252950	O	<b>Omit Allison Neutral At Stop</b>	0	0
4256640	O	<b>Allison 6-Speed Configuration, Close Ratio Gears</b> 3000 Series Transmissions.	0	0
4256980	O	<b>Seat Mounted Lever Shifter</b>	1,305	0
<b>Air &amp; Trailer Equipment</b>				
4510210	O	<b>Bendix AD-HF EP Air Dryer, Heater</b> Coalescing filter, extended purge. Bendix AD-HF air filters protects the life of your engine system and components. Proven PuraGuard oil coalescing technology in the the air dryer cartridge. This oil coalescing filter ensures the removal of oil and oil aerosols before they can contaminate the moisture removing desiccant.	185	-2
4520420	O	<b>Pull Cords All Air Tanks</b>	7	0
4540420	S	<b>Nylon Chassis Hose</b>	0	0
4543340	O	<b>Aluminum Painted Air Tanks</b> All air tanks are aluminum with painted finish except when Code 4543330 Polish Aluminum Air Tanks is also selected (then exposed air tanks outside the frame rails will be polished aluminum). Peterbilt will determine the optimal size and location of required air tanks. Narratives requesting a specific air tank size or location will not be accepted for	123	-45





Sales Code	Std/Opt	Description	\$ List	Weight
		factory installation. See ECAT to determine number or location of air tanks installed.		
4611930	O	<b>Body Connections 5' BOC</b> Junction box contains light and power circuits for body connections located 5' from back-of-cab	132	4
4612900	O	<b>AE Connection EOF, 7-Way Socket, Connection EOF</b> Strapped to the rail	438	15
<b>Tires &amp; Wheels</b>				
5064010	O	<b>FF: BR 20ply 315/80R22.5 M870</b> Efficiency Rating: Fair Diameter= 42.8 inches; SLR= 19.9 inches The Bridgestone M870 is a high scrub All-Position Radial tire designed specifically for urban waste collection.	505	86
5169310	U	<b>RR: BR 16ply 11R22.5 M799</b>	1,272	0
5190004	O	<b>Code-rear Tire Qty 04</b>	0	0
5220520	O	<b>FF: Alcoa 89U637 22.5 X 9.00 High Polish</b> Aluminum, Ultra ONE technology that saves more than 50 lbs. versus a comparable steel wheel. Built for refuse, logging, mining and other heavy haul applications that demand a tough wheel. Each wheel offers a 10,000 lbs. load rating.	451	-36
5320710	O	<b>RR: Alcoa 882677 22.5X8.25 High Polish</b> Aluminum. High polish finish on both sides as applicable. Finish options for heavy-duty trucks, 2.5 lbs. weight savings, new hub bore with less metal to metal contact to hinder corrosion with a maintained half dual space and load rating.	618	-100
5390004	O	<b>Code-rear Rim Qty 04</b>	0	0
5407640	O	<b>FF: Mirror Polish Wheels, Outer Surface</b> Single/tandem steer. Mirror Polish outer surface of outer wheel. Without chrome wheel nuts.	65	0
5407650	O	<b>RR: Mirror Polish Wheels, Outer Surface, Single</b> Drive without chrome wheel nuts. Mirror polish outer surface of outer wheel.	251	0
5409325	O	<b>Wheel Guards, Single Axle</b> Wheel guards provide a protective barrier to maintain the integrity between the brake drums and wheels to ensure the maximum life for your polished wheels.	13	0
5410140	O	<b>FF: Dura-Bright Finish</b> Outer Surface of Outer Wheel, requires Polished Option	233	0
5410150	O	<b>RR: Dura-Bright Finish-Single Axle</b> Outer Surface of Outer Wheel, requires Polished Option.	233	0
<b>Fuel Tanks</b>				
5554100	O	<b>26" Aluminum 70 Gallon Fuel Tank LH U/C</b>	236	11





Sales Code	Std/Opt	Description	\$ List	Weight
		Includes steps for cab access. Paddle handle filler cap with threadless filler neck. Top draw fuel plumbing reduces chance of introducing air into the fuel system during low fuel level conditions due to the central placement of fuel pickup tube. Wire braid fuel lines increase durability & reduce potential for leaks.		
5602070	O	<b>Location LH U/C 70 Gallon</b>	0	0
5652890	S	<b>DEF Tank Mounted LH BOC</b> Models 220 and 520 mounted left hand back-of-cab.	0	0
5652990	O	<b>DEF To Fuel Ratio 2:1 Or Greater</b>	0	0
5655019	S	<b>DEF Tank Small</b> 11.1 Gallon Capacity	0	0
<b>Battery Box &amp; Bumper</b>				
6010670	O	<b>Aluminum Space Saver Battery Box LH BOC</b> Battery access from side	217	-84
6040550	S	<b>Aftertreatment Aluminum Non-Slip Cab Entry</b> Aftertreatment right-hand under cab step. DPF/SCR for diesel engines, catalyst for natural gas engines. On Models 579 specifying chassis fairings, the box is aerodynamic.	0	0
6121060	O	<b>Steel Bumper Swept Back Painted Black, With FEPTO</b> Two tow pin holes and step plates on top of bumper	342	90
<b>Cab &amp; Equipment</b>				
6510110	S	<b>Alum Cab 108in BBC Metton Hood w/Bright Crown</b> Includes view window RH door and convex mirror over RH door.	0	0
6540120	O	<b>Severe Service Cab Package #1</b> Includes Aluminum side skins, aluminum rear skin, steel windshield mask, steel firewall, and steel front floor sheet on all cabs, and additional reinforcement structure on the back wall of the day cab.	151	39
6540160	O	<b>Thermal Insulation Package in Cab</b> Includes thick, closed-cell foam in floor, special mylar-faced foam in walls and roof structure.	19	2
6800360	O	<b>Rubber Fender Lips 2" Wide</b>	96	8
6911700	S	<b>National Driver Seat</b> Increased comfort with more foam in critical areas, better lumbar support, improved adjustability and suspension with toggle link design.	0	0
6921700	S	<b>National Passenger Seat</b> Increased comfort with more foam in critical areas, better lumbar support, improved adjustability and suspension with toggle link design.	0	0
6931130	O	<b>Seat Belt Color Red IPO Standard Black</b>	10	0
6939400	S	<b>Air Ride Driver</b>	0	0
6939420	S	<b>High Back Driver</b>	0	0
6939470	S	<b>Vinyl Driver</b>	0	0

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Sales Code	Std/ Opt	Description	\$ List	Weight
6939510	S	<b>Non-Air Ride Passenger</b>	0	0
6939520	S	<b>High Back Passenger</b>	0	0
6939570	S	<b>Vinyl Passenger</b>	0	0
7001520	O	<b>Adjustable Steering Column - Tilt/Telescope</b>	95	11
7001620	S	<b>Steering Wheel With Peterbilt Logo</b> Steering Wheel with embossed Peterbilt logo over horn button.	0	0
7036120	S	<b>Interior Gray/Black</b> Includes rugged charcoal instrument panels, glare-resistant gray dash, black bezels on gauges, (2) power ports, monochromatic molded door pads with durable in-mold color, gray molded back wall, 18 inch 4-spoke soft-touch steering wheel, soft-touch steering column cover, power lift passenger window, extruded rubber floor covering, header-mounted dome light, foot well lighting, integrated "dead pedal", (4) inside entry grab handles, (2) inside sunvisors, (2) coat hooks, (2) cup holders and map bin in dash.	0	0
7210430	O	<b>Extended Rear Window ipo Std Window-Day Cab</b> The extended rear window protrudes two inches more than the standard conventional rear cab window. Take this into consideration when determining your loadspace.	68	18
7210540	S	<b>Day Cab Rear Window</b> Day cab rear window flush to back of cab.	0	0
7230060	S	<b>1-Piece Curved Windshield</b>	0	0
7322010	S	<b>Combo Fresh Air Heater/Air Conditioner</b> With radiator mounted condenser, dedicated side window defrosters, Bi-Level Heater/Defroster Controls, 54,500 BTU/HR, and silicone heater hoses.	0	0
7322130	O	<b>Cup Holder (Floor Mounted)</b> Includes two standard-size drink holders and one extra-large jugholder, coin tray, and clipboard-size storage area.	89	4
7330700	O	<b>Peterbilt Comfort Control - Cab</b>	21	6
7560100	O	<b>Mirrors SSTL Each Side Heated and Motorized</b> with Switch on Door.	368	2
7560850	O	<b>(2) Convex 8 Inch SSTL Mirrors</b> Center mounted under mirror bracket. If rear view mirrors are heated, the convex mirrors will be heated. Option includes dual door stops.	266	4
7564110	S	<b>Power Package</b> Includes power door locks and power windows.	0	0
7610020	O	<b>(1) Air Horn 15" Painted</b> Mounted under cab.	178	8
7722120	O	<b>ConcertClass, AM/FM, Weatherband, 3.5 Aux</b>	317	10
7725710	O	<b>Standard Speaker Package For Cab</b>	116	4

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Sales Code	Std/ Opt	Description	\$ List	Weight
		(2) Speakers		
7728040	O	<b>Bluetooth Phone and Audio</b>	54	0
7728050	O	<b>USB Port</b>	54	0
7788140	O	<b>Radio Antenna Mounted on LH Mirror Bracket</b>	34	0
7850210	O	<b>Plug-In Auto Reset Circuit Breaker</b> in place of fuses in junction box.	40	0
7851480	S	<b>Peterbilt Electric Windshield Wipers</b> With Intermittent Feature.	0	0
7851780	O	<b>CabMate Cab Air Suspension</b> Mfg by Link. The class 8 conventionals (except Model 348) includes (2) airbags, (2) shock absorbers, (1) leveling valve, radius rod, and height limiter. The Models 330, 337, and 348 includes (1) airbag and (1) shock absorber.	1,287	15
7900090	O	<b>Triangle Reflector Kit, Ship Loose</b> Florescent triangle emergency road flares are designed to meet and exceed all DOT standards.	17	13
7900270	O	<b>Fire Extinguisher, Cab Mounted</b> Hazmat approved UL listed/rated ABC	54	8
8021380	S	<b>Air Restriction Indicator</b> Mounted on air cleaner, intake piping, or firewall	0	0
8071870	S	<b>Main Instrumentation Panel, Graphics Display</b> Includes speedometer with trip odometer, tachometer with hourmeter and outside air temperature display, voltmeter, engine oil pressure, engine coolant temperature, fuel level, primary and secondary air pressure gauges. Includes standard warning light package: high water temperature, low oil pressure, and low air pressure warning lights with audible alarms, high beam, turn signal, low fuel, parking brake, and ice warning indicators; seat belt reminder; rocker switches with long-life LED indicators; multi-function turn stalk with flash-to-pass feature (night mode flashes headlights and marker lights; day mode flashes headlights only), intermittent windshield wiper and headlamp beam control. Hydraulic braked trucks do not include air pressure gauges.	0	0
8075690	O	<b>Dual Output Sensors For Road &amp; Engine Speed</b> Terminals routed to back of cab / front of sleeper	60	0
8111110	S	<b>Headlights Composite Fender Mounted</b> Integral park, turn, and side marker	0	0
8120980	S	<b>(5) Marker Lights, Aero LED</b>	0	0
8133470	O	<b>Switch &amp; Wiring for F/O Beacon/Strobe</b> Switch and wiring for furnished by owner beacon / strobe, 10' coiled wire back-of-cab / back-of-sleeper, at rear sill.	67	2
8133960	O	<b>Daytime Running Lights</b> The brake interlock turns the daytime running lights off when the parking brakes are engaged. This is required on all Canadian vehicles.	60	0
8134070	O	<b>(2) Additional Dome/Reading Lights, Ceiling Mtd</b>	49	0

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Sales Code	Std/ Opt	Description	\$ List	Weight
8140120	S	<b>Incandescent Square Stop/Turn/Tail/Backup</b> Left-hand / right-hand square end of frame or dropped a-brace	0	0

#### Paint

8530770	S	<b>(1) Color Axalta Two Stage - Cab/Hood</b> Base Coat/Clear Coat N85020 A - L0753EY RED N85500 CAB ROOF L0753EY RED N85300 FENDER L0753EY RED N85200 FRAME L0001EA BLACK N85400 HOOD TOP L0753EY RED	0	0
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#### Shipping Destination

#### Options Not Subject To Discount

9400091	S	<b>Peterbilt Class 7 Standard Coverage</b> 1 year/Unlimited Miles/km	0	0
9400094	S	<b>PACCAR PX-9 Standard Coverage</b> 2 yrs/250,000 mi (402,336 km)/6,250 hrs	0	0

#### Miscellaneous

9409831	O	<b>2021 EPA Emissions Engine</b> Warranty Only	0	0
9481975	O	<b>PACCAR 2021 PX-9 Protection Plan 1</b> 5 Yrs/100K Mi (160,935 Km)	1,450	0
9481987	O	<b>PACCAR 2021 PX-9 Aftertreatment Coverage (5/100)</b> 5 Yrs/100K Mi (160,935 Km)	740	0

#### Promotions

#### Order Comments

<b>Total List Price (W/O Freight &amp; Warranty &amp; Surcharges )</b>	\$143,897
Marketing and Service Support Fee	\$875
Prepaid Freight	\$2,450
<b>Total Surcharge/Options Not Subject To Discount</b>	<b>\$2,190</b>
<b>Total Weight</b>	<b>12,076</b>

**Prices and Specifications Subject to Change Without Notice.**





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Unpublished options may require review/approval.  
Dimensional and performance data for unpublished options may vary from that displayed in CRM.

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Merrillville, Indiana 46410

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Fax: (219)736-0892



# QUOTATION

Quote Number: 210326

Quote Date: Mar 3, 2021

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Viking-Cives #080818-VCM

## Quoted To:

City of Yorkville  
610 Tower Lane  
Yorkville, IL 60560  
USA

Customer ID	Good Thru	Payment Terms	Sales Rep
Yorkville-01	4/2/21	Net 30 Days	30970

Quantity	Item	Description	Unit Price	Amount
		<p>SOURCEWELL CONTRACT PURCHASE:</p> <p>CONTRACT HOLDER: Viking-Cives CONTRACT NUMBER: 080818-VCM CONTRACT MATURITY DATE: 10/29/2022 CONTRACT ITEM NUMBERS: SWH-TK0554, SW-TK0115, SW-SP0415, SW-SR0400, SW-SR0425, SW-CEO125, NJ2500</p> <p>MUNICIPALITY:</p> <p>SOURCEWELL MEMBER NUMBER: 99259 MUNICIPALITY: City of Yorkville DEPARTMENT: Street Department CONTACT: John Sleezer TITLE: Street Department Foreman PHONE: 630-553-4370 EMAIL: jsleezer@yorkville.il.us</p> <p>QUOTE SUMMARY:</p> <p>NUMBER OF UNITS: One DESCRIPTION: Snow &amp; Ice control</p>		

Subtotal	Continued
Sales Tax	Continued
<b>TOTAL</b>	<b>Continued</b>

25% Restock Fee on All Cancelled and Returned Orders





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Viking-Cives #080818-VCM

## Quoted To:

City of Yorkville  
610 Tower Lane  
Yorkville, IL 60560  
USA

Customer ID	Good Thru	Payment Terms	Sales Rep
Yorkville-01	4/2/21	Net 30 Days	30970

Quantity	Item	Description	Unit Price	Amount
		<p>equipment for current model year single axle Peterbilt Chassis. (PRICE DOES NOT INCLUDE CHASSIS)</p> <p>CHASSIS SUPPLIER: JX Peterbilt</p> <hr/> <p>EQUIPMENT DELIVERY TIME FRAME:</p> <hr/> <p>Allow 120 days for all equipment to be in stock at Lindco after receiving your purchase order.</p> <p>Allow 60-90 days to complete unit, once all equipment and the chassis is at Lindco.</p> <hr/> <p>CHASSIS REQUIREMENTS:</p> <hr/> <ul style="list-style-type: none"> <li>* 20" front frame extensions</li> <li>* Stationary grill</li> <li>* Plow light harness to grill and switch in dash</li> <li>* Transmission dip stick located on curbside of transmission</li> <li>* Allison 3000RDS series transmission</li> <li>* Dash mounted push button shifter for transmission</li> <li>* Active ground speed hook up for spreader control</li> </ul>		
			Subtotal	Continued
			Sales Tax	Continued
			<b>TOTAL</b>	<b>Continued</b>

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Viking-Cives #080818-VCM

## Quoted To:

City of Yorkville  
610 Tower Lane  
Yorkville, IL 60560  
USA

Customer ID	Good Thru	Payment Terms	Sales Rep
Yorkville-01	4/2/21	Net 30 Days	30970

Quantity	Item	Description	Unit Price	Amount
1.00		* 105" useable cab to axle * Minimum of 40" clean side frame from back of cab to front of rear spring shackle on driver side. * Fire extinguisher * Triangle reflector kit * Individual driver and passenger seats * Minimum of 50 gallons fuel when delivered to Lindco * Dep tank 3/4 filled when delivered to Lindco  PER UNIT PACKAGE PRICE:  ** Price for all the below below quoted equipment, fully installed. (Price does not include chassis) ** Package price does not include the below options A and B. ** Price does not include pick up of chassis or delivery of completed unit.  OPTIONAL EQUIPMENT THAT CAN BE ADDED TO THE ABOVE BASE PRICE:  OPTION A:	113,063.00	113,063.00
			Subtotal	Continued
			Sales Tax	Continued
			<b>TOTAL</b>	<b>Continued</b>

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Viking-Cives #080818-VCM

## Quoted To:

City of Yorkville  
610 Tower Lane  
Yorkville, IL 60560  
USA

Customer ID	Good Thru	Payment Terms	Sales Rep
Yorkville-01	4/2/21	Net 30 Days	30970

Quantity	Item	Description	Unit Price	Amount
		<p>Henke Model PPW-9-TE-29/30-TW Mid Mounted Postless Wing Plow</p> <ul style="list-style-type: none"> <li>* 9' wide</li> <li>* 29" high at toe</li> <li>* 36" high at heel</li> <li>* 12.65" of float</li> <li>* 23" x 12" HD parallel arm structure with 3" x 10" x 2" double-acting lift cylinder</li> <li>* Cylinder safety lock valve</li> <li>* Non-trip wing moldboard/post hinge assembly</li> <li>* Standard 3/4" x 6" cutting edge</li> <li>* Cirrus hydraulic for wing plow</li> <li>* Hoses, Fittings, Stainless Tubes and Stainless Quick Couplers.</li> <li>* Labor to Install unit complete</li> </ul> <p>ADD.....\$ 16,299.00 TO ABOVE BASE PACKAGE PRICE</p> <p>OPTION B:</p> <p>9' Trip edge with toe 34" high and heel at 51" high in lieu of the above</p> <p>ADD.....\$2,427.00 TO ABOVE BASE PACKAGE PRICE</p> <p>EQUIPMENT WARRANTY:</p>		
Subtotal				Continued
Sales Tax				Continued
TOTAL				Continued

25% Restock Fee on All Cancelled and Returned Orders





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Viking-Cives #080818-VCM

## Quoted To:

City of Yorkville  
610 Tower Lane  
Yorkville, IL 60560  
USA

Customer ID	Good Thru	Payment Terms	Sales Rep
Yorkville-01	4/2/21	Net 30 Days	30970

Quantity	Item	Description	Unit Price	Amount
1.00	SLT-316-11-CS90-York	<p>* All equipment has a 12 month warranty on parts and labor.</p> <p>DUMP BODY:</p> <p>Heil SL Body Ashaplt style Rear Body, 11' L, 28" H sides, 36" H tailgate, 7 GA "201 2B" stainless steel sides &amp; ends, 1/4" AR400 floor, crossmemberless,</p> <p>DIMENSIONS:</p> <p>* 11' long at floor</p> <p>* 10' long at top</p> <p>* 84" wide I.D.</p> <p>* 96" wide O.D.</p> <p>* 60" high front wall</p> <p>* 36" high sides (7 cubic yards capacity)</p> <p>* 42" high tailgate (9 cubic yard capacity)</p> <p>CONSTRUCTION:</p> <p>* 7 gauge, "201 2B stainless steel" sides, front wall and tailgate</p> <p>* 1/4" AR400 floor</p> <p>TAILGATE:</p> <p>* Lindco air release</p> <p>* Lindco air release solenoid valve mounted in reservoir valve enclosure.</p> <p>* Three panel double acting tailgate "201 2B</p>		
			Subtotal	Continued
			Sales Tax	Continued
			<b>TOTAL</b>	<b>Continued</b>

25% Restock Fee on All Cancelled and Returned Orders





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Merrillville, Indiana 46410

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Fax: (219)736-0892



# QUOTATION

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Viking-Cives #080818-VCM

## Quoted To:

City of Yorkville  
610 Tower Lane  
Yorkville, IL 60560  
USA

Customer ID	Good Thru	Payment Terms	Sales Rep
Yorkville-01	4/2/21	Net 30 Days	30970

Quantity	Item	Description	Unit Price	Amount
		stainless steel" * Lindco handles on upper tailgate pins for ease of removing and installing * Stainless steel tailgate chains, long enough for laying down gate flush with floor * All stainless steel tailgate linkage, rods, pins, upper and lower tailgate hardware * 18" x 18" center sliding coal door with driver side extended handle CAB SHIELD: * Lindco 1/2 enclosed cab shield, 7 gauge "201 2B stainless steel" * Fully enclosed cab shield with access panels on top * Two (2) oval cut out facing forward on each side for strobes. * One (1) oval cut out on each side for strobes * One (1) oval cut outs on each side facing rearward for strobes SIDES: * Boxed top rail "201 2B stainless steel" * One (1) horizontal side brace on each side * 7 gauge "201 2B stainless steel" sloping rubrail * No side braces		
			Subtotal	Continued
			Sales Tax	Continued
			<b>TOTAL</b>	<b>Continued</b>

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Viking-Cives #080818-VCM

## Quoted To:

City of Yorkville  
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USA

Customer ID	Good Thru	Payment Terms	Sales Rep
Yorkville-01	4/2/21	Net 30 Days	30970

Quantity	Item	Description	Unit Price	Amount
		REAR CORNER POST: * Sloping rear corner post (12" difference from top to bottom) * Full depth rear corner post w/rear apron "201 2B stainless steel" * Lindco rear corner posts are fully-enclosed w/removal access panel underneath on each side * Lindco three (3) oval cutouts in each rear corner post UNDERSTRUCTURE: * All 7 gauge "201 2B stainless steel" construction * Crossmemberless understructure HOIST: * CS90-4.5-3DA telescopic front mounted hoist, double-acting (power up & power down) * 18 ton capacity * Dog house in body * Frame mounted body hoist prop * Hoist cradle * Rear hinge assembly LADDER AND GRAB HANDLE: * All items constructed of "201 4B shiny stainless steel"		
Subtotal				Continued
Sales Tax				Continued
TOTAL				Continued

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## Quoted To:

City of Yorkville  
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Customer ID	Good Thru	Payment Terms	Sales Rep
Yorkville-01	4/2/21	Net 30 Days	30970

Quantity	Item	Description	Unit Price	Amount
		* Grab handle at front on driver side * Fold up ladder at front driver side		
		REAR FENDERS AND FLAPS:		
1.00	SR2436B	Boomerang 3/8" HD 24" x 36" Guard Mud Flap - Black - with Lindco Equipment Sales, Inc. Logo & Merrillville, IN molded white into flap.		
2.00	MFW2375-SS	Lindco Mud Flap Bolting Plate-Stainless Steel (Each)		
2.00	MFBH2375A-SS	Lindco Mud Flap 90 Degree Mounting Plate-Stainless Steel (Each) * Mud flaps mounted behind rear wheels * Swing style brackets		
1.00	MIN1400BP	Minimizer MIN1400 Quarter Fender Kit Black with Post Mount * Mounted in front of rear wheels		
		LIGHTING & ELECTRICAL ITEMS:		
		REAR JUNCTION BOXES:		
2.00	PH-310	Phoenix 10-Pole Junction Box * One mounted on each side on back side of rear hinge assembly. * Right side will have all S/T/T, Back up		
Subtotal				Continued
Sales Tax				Continued
TOTAL				Continued

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## Quoted To:

City of Yorkville  
610 Tower Lane  
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USA

Customer ID	Good Thru	Payment Terms	Sales Rep
Yorkville-01	4/2/21	Net 30 Days	30970

Quantity	Item	Description	Unit Price	Amount
		lights and back up alarm wired into junction box. * Left side will have all strobes and spreader lights wired into junction box. * All wiring installed in junction box must have eyelets installed. * Junction boxes will be di-electric greased WIRING: * All wiring will be one piece, no butt connectors or scotch locks. * All connections must be di-electric greased * All lighting will terminated in rear junction boxes * Wiring from junction box or coming from front to rear will run down middle of frame on stainless steel flat stock with stainless steel fasteners. * All wiring ran down front of body will be in stainless steel piping. * All wiring ran from front of body to rear, under body will be in stainless steel piping. * All wiring from junction box will terminate to switches in cab. * All circuit breakers, fuses, relays, electric valves (air tailgate) will be installed in valve enclosure.		
			Subtotal	Continued
			Sales Tax	Continued
			<b>TOTAL</b>	<b>Continued</b>

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## Quoted To:

City of Yorkville  
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USA

Customer ID	Good Thru	Payment Terms	Sales Rep
Yorkville-01	4/2/21	Net 30 Days	30970

Quantity	Item	Description	Unit Price	Amount
1.00	510	<ul style="list-style-type: none"> <li>* All wiring will have protective loom installed.</li> <li>* All wire pass through holes will be grommited</li> </ul> BACK UP ALARM: Ecco back-up alarm, 97 dB, 12 VDC.		
4.00	KTLEDW2238-24A	<ul style="list-style-type: none"> <li>* Install on rear hinge assembly</li> <li>* Wired to junction box with S/T/T an back up lights</li> <li>* All connections to have eyelet connectors</li> <li>* Connections to be di-electric greased</li> </ul> CAB SHIELD LIGHTING UBLights 6" oval, strobe, amber, class 1 LED. Includes grommet & pigtail.		
2.00	KTLEDW2238-24A	<ul style="list-style-type: none"> <li>* Installed in front of cab shield on each side</li> </ul> UBLights 6" oval, strobe, amber, class 1 LED. Includes grommet & pigtail.		
2.00	KTLEDW2238-24A	<ul style="list-style-type: none"> <li>* Installed on each side of cab shield</li> </ul> UBLights 6" oval, strobe, amber, class 1 LED. Includes grommet & pigtail.		
		<ul style="list-style-type: none"> <li>* Installed in outer ovals on rear for cab shield</li> <li>* Strobes wired to left side junction box</li> <li>* Strobe wiring from junction box to switch in cab</li> <li>* All wiring ran from cab shield through</li> </ul>		
Subtotal				Continued
Sales Tax				Continued
TOTAL				Continued

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Customer ID	Good Thru	Payment Terms	Sales Rep
Yorkville-01	4/2/21	Net 30 Days	30970

Quantity	Item	Description	Unit Price	Amount
		stainless steel piping to rear of vehicle. * Any lighting wire not in the stainless steel will be in protective loom * All connections to have eyelet connectors * Connections to be di-electric greased REAR CORNER POST LIGHTING: 2.00 KTLEDW2238-24A UBLights 6" oval, strobe, amber, class 1 LED. Includes grommet & pigtail. * Installed in top oval on each side 2.00 54682 Grote LED S/T/T & B.U. Light, 6" oval 2.00 67090 Grote Pigtail Economy 3 Wire 90 Degree S/T/T 2.00 67011 Grote two-wire plug-in pigtail for female pin lamps 2.00 92420 Grote Oval Rubber Grommet * Installed in center oval on each side 2.00 KTLEDW2238-24A UBLights 6" oval, strobe, amber, class 1 LED. Includes grommet & pigtail. * Installed in bottom oval on each side * Strobes wired to left side junction box * Strobe wiring from junction box to switch in cab * S/T/T/Back up lights wired to right side junction box. * All lighting wiring will be in protective loom * All connections to have eyelet connectors		
Subtotal				Continued
Sales Tax				Continued
TOTAL				Continued

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## Quoted To:

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Customer ID	Good Thru	Payment Terms	Sales Rep
Yorkville-01	4/2/21	Net 30 Days	30970

Quantity	Item	Description	Unit Price	Amount
2.00	MWL-19	* Connections to be di-electric greased SPREADER LIGHT: Maxxima LED clear work light * Installed on each side under body * Wired to left side junction box * Spreader light wiring from junction box to switch in cab * All lighting wiring will be in protective loom * All connections to have eyelet connectors * Connections to be di-electric greased		
1.00	0552243	PLOW LIGHTS: J.W. Speaker LED Plow Lights; built-in amber turn signal and lens heater. (Pair)		
1.00	PLB12SS	Buyers stainless steel plow light brackets, extended for 2 post mount lights * Hood mounted * Wired to plow light switch in cab * All weld burns on plow light brackets must be cleaned prior to installing on hood. * All wiring installed in protective loom * Connections to be di-electric greased		
1.00	SWM 43C	BODY UP SWITCH & LIGHT: Preco Switch, water resistant, 5 amp rating, 360 degree movement, can be wired open or closed, maded of ABS plastic, adjustable mounting bracket.		
Subtotal				Continued
Sales Tax				Continued
TOTAL				Continued

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## Quoted To:

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Customer ID	Good Thru	Payment Terms	Sales Rep
Yorkville-01	4/2/21	Net 30 Days	30970

Quantity	Item	Description	Unit Price	Amount
1.00	0800850	Imperial LED indicator light - red * Body up switch installed on hoist cradle, driver side * Light installed in control console * All connections to have eyelet connectors * All wiring installed in protective loom * Connections to be di-electric greased		
1.00	175-S0-080-2	MASTER CIRCUIT BREAKER: Chief 80 amp high amp circuit breaker. * Mounted in valve enclosure * All connections to have eyelet connectors * All wiring installed in protective loom * Connections to be di-electric greased		
1.00	140-0379	RELAY: TST 75 amp relay, 12V bracket. * Mounted in valve enclosure * All connections to have eyelet connectors * All wiring installed in protective loom * Connections to be di-electric greased		
1.00	101004	AIR TAILGATE VALVE: Velvac Solenoid Operated Tailgate Lock Kit w/solenoid valve, 3.5" I.D. x 6" stroke air cylinder, clevis hardware, faceplate. * Air valve mounted in valve enclosure * All connections to have eyelet connectors * All wiring installed in protective loom		
Subtotal				Continued
Sales Tax				Continued
TOTAL				Continued

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Customer ID	Good Thru	Payment Terms	Sales Rep
Yorkville-01	4/2/21	Net 30 Days	30970

Quantity	Item	Description	Unit Price	Amount
1.00	DC-3200	<ul style="list-style-type: none"> <li>* Connections to be di-electric greased</li> <li>* All air line from chassis to valve to valve to cylinders at rear.</li> </ul> BODY VIBRATOR: Cougar Dump Body Vibrator 12 volt DC, 3200 lbs of force, 85 amps, 4000 RPM, Includes mounting kit, wiring kit, switch <ul style="list-style-type: none"> <li>* Mounted on channel support</li> <li>* Stainless steel safety chain attached</li> <li>* All wiring ran under body in stainless piping</li> <li>* All vibrators solenoids/fuses, etc. mounted in valve enclosure</li> </ul>		
1.00		PINTLE HOOK: Lindco 5/8" Pintle hook plate <ul style="list-style-type: none"> <li>* Back side of pintle hitch reinforced with 1" x 1" x 3/8" angle</li> <li>* Pintle hook is wrapped with 1 1/4" x 3/16" flat stock</li> <li>* 5/8" gussets installed on each side of pintle hitch to frame</li> <li>* Chassis S/T/T lights recessed into pintle hitch</li> <li>* Trailer plug installed in pintle hitch</li> </ul>		
Subtotal				Continued
Sales Tax				Continued
TOTAL				Continued

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## Quoted To:

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USA

Customer ID	Good Thru	Payment Terms	Sales Rep
Yorkville-01	4/2/21	Net 30 Days	30970

Quantity	Item	Description	Unit Price	Amount
2.00	B46	Buyers 3/4" drop forged D-ring w/weld bracket 4-1/2" x 4-1/2" O.D. * Welded on for chains		
1.00	PH30	Buyers 30 ton rigid mount pintle hook		
1.00	054002	Velvac 7-Way Blade Type Socket * Installed in pintle hitch * Wired to right side junction box * All wiring installed in protective loom * All connections to have eyelet connectors * Connections to be di-electric greased		
1.00	49122	Grote SuperNova thin-line LED red bar lamps.		
1.00	60321	Grote license lamp w/stainless steel bracket. * Installed on pintle hitch * Wired to right side junction box * All wiring installed in protective loom * All connections to have eyelet connectors * Connections to be di-electric greased		
		HYDRAULIC SYSTEM:		
1.00		CIRUS CENTRAL HYDRAULIC SYSTEM PER YORKVILLE REQUIREMENTS:		
		POWER TAKE OFF AND PUMP:		
1.00	PTO7005	Chelsea 890 PTO/ALLSION/HS-EXT/L/15T/B2 or		
Subtotal				Continued
Sales Tax				Continued
TOTAL				Continued

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Customer ID	Good Thru	Payment Terms	Sales Rep
Yorkville-01	4/2/21	Net 30 Days	30970

Quantity	Item	Description	Unit Price	Amount
1.00	0800850	B4/CW/3000:113/ARR-5, power take off		
1.00	HYD40001	Imperial LED indicator light - red		
		Sauer DanFoss S45		
		pump/75cc/CW/RP/15SP/B2 loaded sense		
		pump		
		* Driver side mounted		
		* PTO wired to switch in console		
		* All wiring installed in protective loom		
		* Connections to be di-electric greased		
		RESERVOIR/VALVE ENCLOSURE AND		
		VALVE:		
1.00	HYD10008151	Cirus 35 gallon symmetrical enclosure/tank		
		combo, constructed of stainless steel.		
1.00	HYD1000894	Cirus bolt kit for hybrid PVG32 with internal		
		return EC		
1.00	HYD10008151	Cirus 35 gallon symmetrical enclosure/tank		
		combo, constructed of stainless steel.		
1.00	HYDRFK-SAE20-PV32	Cirus 14.5" internal return hose kit-PV32		
1.00	HYDCM2	Cirus ASPW 3F CC hydrid inlet-PVG		
		32-T0-M		
1.00	HYDCe5	Cirus PVG32-T0-35GPM/DA/LS 500A/Max		
		B relief EA for hoist up-down		
2.00	HYDCe13	Cirus PVG32-T0-20GPM/DA/no relief EA for		
		plow up-down & right-left		
1.00	HYDCo2T	Cirus internal tank return end cover-PVG 32		
		(T0 & Non-T0)		
Subtotal				Continued
Sales Tax				Continued
TOTAL				Continued

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Customer ID	Good Thru	Payment Terms	Sales Rep
Yorkville-01	4/2/21	Net 30 Days	30970

Quantity	Item	Description	Unit Price	Amount
1.00	HYDCM2e5e13x202T	Cirus CC Sauer Danfoss (PVG) hydraulic assembly		
1.00	HYD10019EXT18-M12	Cirus Temp/Level Sensor-3/4" Mtg-35g VTC-18" w/M12 connection		
1.00	HBV200	Buyers 2" Ball Valve - Full Flow		
45.00	Hydraulic Oil	Hydraulic Oil		
1.00	UG 620M2	CONTROL CONSOLE: Cirus Master Assy Plow Control, Hoist up-down, Plow up-down & right-left, flip arm seat mount		
1.00	000907	Cirus seat mount "L" bracket		
1.00	000961.58-Assy	Cirus slimline 6 enclosed assy w/angled cover + HDMI * Controls will be mounted after Lindco/Customer pre-build meeting at Lindco.		
1.00	N0SSRXM7K00FAT	SPREADER CONTROL: Cirus SpreadSmart Rx M 7" color KP-FA spreader control * Auger w/sensor cable * Spinner * Pre-Wet (central) w/sensor cable		
1.00	000950.8-Assy	Cirus 7" RAM display mount assembly-7.3 height for spreader control		
1.00	RWSO1001M	ROAD WATCH: Cirus RaodWatch for SSRx mini		
Subtotal				Continued
Sales Tax				Continued
TOTAL				Continued

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Customer ID	Good Thru	Payment Terms	Sales Rep
Yorkville-01	4/2/21	Net 30 Days	30970

Quantity	Item	Description	Unit Price	Amount
		* Sensor mounted on driver side		
		CONSOLE SWITCHES:		
1.00	N0N12HHS0SFAB	Cirus 12 switch hammerhead S for FA		
		accessory control		
1.00	WIRE PKG	Cirus wiring package for switches &		
		indicators		
1.00	SW/IND PKG	Cirus switch & indicator package		
		CABLES:		
1.00	TS-2031	Cirus 8 Port IP 68 Hyd OutPut Cable---6		
		Meter (19.7 ft)		
6.00	TS-2020	Cirus hydraulic cable M12 to Deutsch 29"		
1.00	TS-2018	Cirus 4 port hydraulic valve junction box		
3.00	TS-2020	Cirus hydraulic cable M12 to Deutsch 29"		
1.00	TS-8000	Cirus Main Truck Sensor Cable-9 pin--10		
		meter (32.8ft)		
1.00	TS-8001	Cirus 4-Port Sensor Jnc Bx-9 pin-2.8 meter 9		
		ft.		
1.00	TS-2005	Cirus 57" sensor cable M12 to M12w		
		LED-auger		
1.00	ELCA SG07050722-002	Certified Power MFE ST/ST BPM 5 meter		
		PRE-WET:		
1.00	PPM-HC	Cirus Pre-wet pump Mod-Hyd Closed loop		
1.00	LISC SG06080015	Certified Power 240 gallon behind the cab		
		prewetting system. Includes (2) 120 gallon		
		tanks, stainless mounting frame, hold down		
		straps and mounting hardware.		
Subtotal				Continued
Sales Tax				Continued
TOTAL				Continued

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Customer ID	Good Thru	Payment Terms	Sales Rep
Yorkville-01	4/2/21	Net 30 Days	30970

Quantity	Item	Description	Unit Price	Amount
1.00	00002 332 39	Swenson V-box flush kit		
1.00	00002 332 09	Swenson 1-1/2" female quick fill kit		
1.00	ELCA SG07070122	Certified Power Poly Float with BH Corded Plug		
1.00	ELCA SG07050641	Certified Power harness, MIC BH male 22 awg. 4.		
1.00	UB623518	Buyers 18" U-Bolt Kit, (4) Square bend U-Bolts 5/8", (8) 5/8" HEX nuts, (8) 5/8" split lockwashers, (4) 1/2" thick tie bars * Tanks with body		
1.00	EXTEND WARRANTY	HYDRAULIC EXTENDED WARRANTY: Cirrus Extended Warranty Package - 2 years - Starts on ship date STAINLESS STEEL HYDRAULIC TUBES FOR DUMP HOIST:		
2.00	8-049 304W/FJX-108"	Mid-State 1/2"x9' 304 S/S Line with fittings * One (1) line mounted to the underneath of the body for hoist power down. * One (1) line mounted down frame for hoist power down.		
6.00	A2-12.7-A	PCI HD Series Clamps for 1/2" tubing STAINLESS STEEL HYDRAULIC TUBES FOR SALT SPREADER:		
2.00	8-049 304W/FJX-108"	Mid-State 1/2"x9' 304 S/S Line with fittings * One (1) line mounted down frame for spinner pressure		

Subtotal	Continued
Sales Tax	Continued
<b>TOTAL</b>	<b>Continued</b>

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Yorkville-01	4/2/21	Net 30 Days	30970

Quantity	Item	Description	Unit Price	Amount
6.00	A2-12.7-A	* One (1) line mounted down frame for auger pressure		
1.00	12-065 304W/FJX-108"	PCI HD Series Clamps for 1/2" tubing		
		Mid-State 3/4"x9' 304 S/S Line with fittings		
		* One (1) line mounted down frame for return for spinner and auger		
3.00	A3-19-A	PCI HD Series Clamps for 3/4" tubing		
		STAINLESS STEEL HYDRAULIC TUBES FOR SNOW PLOW:		
4.00	8-049 304W/FJX-72"	Mid-State 1/2"x6' 304 S/S Line with fittings		
		* One (1) line mounted under cab on driver side for plow angle right		
		* One (1) line mounted under cab on driver side for plow angle left		
		* One (1) line mounted under cab on driver side for plow up		
		* One (1) line mounted under cab on driver side for plow down		
12.00	A2-12.7-A	PCI HD Series Clamps for 1/2" tubing		
1.00		HOSES/ADAPTORS/FITTINGS:		
		Hose adaptors, Hose ends and Other Fittings		
1.00		Hydraulic hoses		
		* No hose length is to exceed 6' in length		
		* Hose protection at all wear points		
		SNOW PLOW HYDRAULIC COUPLER:		
Subtotal				Continued
Sales Tax				Continued
TOTAL				Continued

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Customer ID	Good Thru	Payment Terms	Sales Rep
Yorkville-01	4/2/21	Net 30 Days	30970

Quantity	Item	Description	Unit Price	Amount
1.00	10-932-2001	CEJN Multi-X Duo 12.5 female plate, 2 ports, 1/2".		
1.00	10-932-2051	CEJN Multi-X Duo 12.5 Male plate, 2 ports, 1/2".		
4.00	14-727-0812	CEJN Multi-X adapter 1/2" WEO to male JIC 3/4"-16		
4.00	14-727-1212	CEJN WEO Nipple DN 20 + 3/4" -16 UNF male JIC 37 * Female coupler mounted to underside of front bumper on driver side * Male coupler mounted to plow hoses * Coupler docking station mounted on plow		
2.00	10-932-2001	SPREADER HYDRAULIC COUPLERS: CEJN Multi-X Duo 12.5 female plate, 2 ports, 1/2".		
2.00	10-932-2051	CEJN Multi-X Duo 12.5 Male plate, 2 ports, 1/2".		
8.00	14-727-0812	CEJN Multi-X adapter 1/2" WEO to male JIC 3/4"-16		
8.00	14-727-1212	CEJN WEO Nipple DN 20 + 3/4" -16 UNF male JIC 37 * One (1) coupler mounted under body on passenger side for auger pressure & return * One (1) coupler mounted under body on driver side for spinner pressure & return * Couplers installed on spreader spinner		
Subtotal				Continued
Sales Tax				Continued
TOTAL				Continued

25% Restock Fee on All Cancelled and Returned Orders





2168 East 88th Drive  
Merrillville, Indiana 46410

Voice: (219)795-1448

Fax: (219)736-0892



# QUOTATION

Quote Number: 210326

Quote Date: Mar 3, 2021

Page: 22

Viking-Cives #080818-VCM

## Quoted To:

City of Yorkville  
610 Tower Lane  
Yorkville, IL 60560  
USA

Customer ID	Good Thru	Payment Terms	Sales Rep
Yorkville-01	4/2/21	Net 30 Days	30970

Quantity	Item	Description	Unit Price	Amount
2.00	4HF4-S	and auger short hoses		
2.00	H4F4-S	Dixon 1/2" female stainless steel coupler		
4.00	4HDP-H4DC	Dixon 1/2" male stainless steel nipple		
		Dixon 1/2" Dust Cap/Plug		
		* Stainless steel couplers for lift cylinder		
		SNOW PLOW:		
1.00	42R11-RMB-ECT-CPF	Henke Road Warrior Reversible Snow Plow: 11' wide x 42" high, integral shield, mailbox cut out, dual compression spring trip moldboard, UQH quick hitch.		
		* 11' wide		
		* 42" high		
		* 10 gauge steel moldboard		
		* Mailbox cut out on curbside		
1.00		* Winter Equipment curb guard on curbside		
1.00		* Double 5/8" thick top punch cutting edges		
1.00		* Plow jack stand		
		* Plow angle cylinder cushion valve		
		* UQH quick hitch swivel plate with stops		
		* Deflector hardware		
1.00	3512144	"Lindco" Snow Deflector 12"		
1.00	1308110	S.A.M. 36" blade guides		
		SNOW PLOW TRUCK HITCH:		

Subtotal	Continued
Sales Tax	Continued
<b>TOTAL</b>	<b>Continued</b>

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Yorkville-01	4/2/21	Net 30 Days	30970

Quantity	Item	Description	Unit Price	Amount
1.00	6236000	Henke Plow Hitch, UQH truck portion, lo-profile design, folding lift arm, level left chain style with 3/8" chain links		
1.00	6236903	Henke Lift Cylinder 4X10X2 DA w/ Strap		
2.00	W4P03596	Schmidt "Z" bracket-connect frame to plow 3.25" x 5.5" x 1/2" thick (Each)		
1.00		Lindco custom Peterbilt side plates * Lindco will reuse Peterbilt factory bumper		
		<b>SALT SPREADER:</b>		
1.00	00002 463 84	Swenson SADS tailgate spreader w/ 18" poly spinner, direct drive, 6" auger, stainless steel construction, no paint, sides of spreader 8" higher, sensor motor. * 304 2B stainless steel * 6" auger * Direct drive auger motor * Standard side height * Stainless steel quick detach mounting hardware		
1.00		Short Hose Kit		
1.00		Stainless steel pre-wet spray bar installed in auger trough		
1.00		** Yorkville designs spreader stainless steel		
Subtotal				Continued
Sales Tax				Continued
<b>TOTAL</b>				<b>Continued</b>

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Customer ID	Good Thru	Payment Terms	Sales Rep
Yorkville-01	4/2/21	Net 30 Days	30970

Quantity	Item	Description	Unit Price	Amount
		side spill shields		
		CAMERA SYSTEM:		
1.00	A4693	Brigade color camera kit complete with VBV-770D-000N 7" LCD color monitor, VBV-701C color camera and 66' cable		
1.00	MSF5001 Camera	Camera system box w/ram adjustable bracket, stainless steel.		
1.00	MSF8470037000-LR	Camera Wash (1) nozzle for single camera. Does not include tubing kit. MSF5010 or reservoir or reservoir cover		
1.00	MSF5010	Camera Wash 30' tubing kit complete with air and washer		
1.00	MSF8470038000A	Camera Wash nozzle kit * Camera mounting will be determine during customer pre-built meeting * Monitor mounting will be determine during customer pre-built meeting		
		PAINT & UNDERCOATING:		
1.00	PAINT PINTLE HITCH	Paint Pintle Hitch		
1.00	PAINT HOIST & SUBFRA	Prime Where needed and Paint Hoist & Subframe to black		
1.00	PAINT PLOW HITCH	Paint Plow Hitch, Including lift arm, side		
Subtotal				Continued
Sales Tax				Continued
TOTAL				Continued

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Quote Date: Mar 3, 2021

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Viking-Cives #080818-VCM

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City of Yorkville  
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USA

Customer ID	Good Thru	Payment Terms	Sales Rep
Yorkville-01	4/2/21	Net 30 Days	30970

Quantity	Item	Description	Unit Price	Amount
1.00	PAINT-MISCEL	plates, bumper and lift cylinder black		
1.00	Under Coat	Paint Miscel		
		Under coat dump body		
		MISC., FREIGHT & LABOR:		
2,559.20	Misc.	Miscellaneous Material - includes any or all of the following: wiring, electrical connectors, tie downs, clamps, nut, bolts, washers, steel, oil, grease, etc.		
3,219.00	FREIGHT	FREIGHT		
260.00	INSTALLATION	Lindco Installation Labor Hours		
			Subtotal	113,063.00
			Sales Tax	
			<b>TOTAL</b>	<b>113,063.00</b>

25% Restock Fee on All Cancelled and Returned Orders



# HIGH PERFORMANCE PRODUCTS FOR TRUCKS



**PLOWS / WINGS / SCRAPERS / SPREADERS**

**HENKE**®

AN ALAMO GROUP COMPANY



# PARALLEL LIFT PLOWS

# HENKE

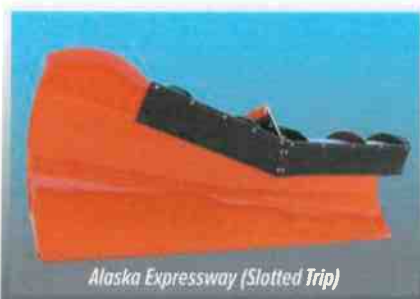
henkemfg.com

When superior plowing performance, ease of operation and all around safety is important, these plows are the #1 solution.

- > **Level lifting at all angles**
- > **Follows the contours of the road smoothly and effectively** without the bouncing and chatter experienced with traditional plow
- > **Safe/easy to operate and maintain**
  - Easy to connect/disconnect (1 person job)
  - One common cylinder for lift and reversing
  - Flat plate hitch is safe: no hazards created by protruding hitch arms
  - Plus the flat plate hitch allows the plow to mount closer to truck and it provides better ground clearance
- > **Multiple trip styles available:** Full, slotted, torsion, compression

PLOW STYLE	Moldboard*	Trip Styles*	Lengths (ft)	Heights(in)**
STRAIGHT	10 ga, Poly-lined Steel, 304 Stainless Steel	Full Trip, Slotted Trip, Torsion Trip, Compression Trip	10, 11, 12, 14	30, 36, 41, 48
J PLOW	10 ga, Poly-lined Steel, 304 Stainless Steel	Torsion Trip	10, 11, 12	30, 36, 41, 45, 48
EXPRESSWAY (Batwing, Dual Discharge, Alaska Expressway)	10 ga, 3/16	Slotted Trip	10, 11, 12	Varies
FUNNEL/ONE-WAY	10 ga, 3/16	Slotted Trip	10, 11, 12	Varies
FOLDING-V (FVX)	10 ga	Compression Trip	10, 11, 12, 14	41
AIRPORT	10 ga, 3/16	Torsion Trip, Rubber Cushions***	Varies	50, 62/50/62

\*Not all sizes are available with all materials and trip styles. \*\*Not all heights are available in all lengths. Common lengths and heights are listed, others are available upon request. \*\*\*Rubber cushions are not a trip style.



Alaska Expressway (Slotted Trip)



Alaska Expressway (Slotted Trip)



Straight (Full Trip)



Batwing Expressway (Slotted Trip)



Dual Discharge Expressway (Slotted Trip)



Funnel/One-Way (Slotted Trip)



Folding-V FVX (Compression Trip)



J-Plow (Torsion Trip)



Airport (Rubber Cushion)

ADVANCED TECHNOLOGY  
AND FEATURES

## ULTIMATE PERFORMANCE





**PUTTING IT ALL  
TOGETHER**

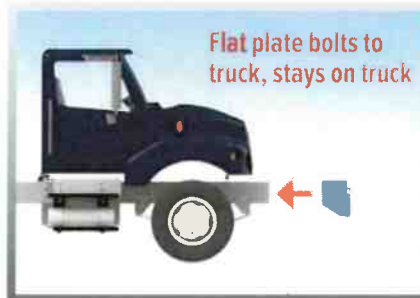
Henke offers a wide variety of commonly used truck hitches and truck attachment kits to fit just about any plow hitch being used, anywhere in the country. The following include the most popular hitches that we sell.

- > Flat Plate Hitches
- > SQH Adapter Hitches
- > UQH Hitches
- > Universal Pin-On Hitches
- > QCP Hitches
- > Hustling Hitches
- > Quick Link Hitches

**HENKE'S FLAT PLATE HITCH IS BY FAR THE BEST CHOICE FOR YOUR FLEET. SAFE, EASY TO USE, LESS WEAR AND TEAR ON THE TRUCK'S FRONT AXLE.**

- > Allows users to remove the plow and adapter hitch when not in use
- > Flat plate weighs significantly less than a typical truck hitch
- > Faster to hook up/un-hook plows
- > Better ground clearance than traditional hitches
- > Increased safety.

**HENKE'S SQH ADAPTER HITCH CONNECTS A FOLD-DOWN, TELESCOPING ARM TO YOUR FLAT PLATE HITCH**



**STANDARD SQH ADAPTERS ARE AVAILABLE IN THESE CONFIGURATIONS:**



Universal Quick-Hitch (UQH)



Universal Pin-On



QCP Hitch



Quick Link Hitch





## SHIFT TO THE HIGHER STANDARD



### HENKE'S MODULAR PLOW SYSTEM - Flexibility to build the best plow for your application

With **over 100 years of experience making snow plows**, Henke has developed a standardized plow line that gives you the flexibility to build the plow you need. By combining different options for height, width, profile, pushframe, trip, hitch, and running gear, you can easily create a highly customized "standard" plow.

- > Henke's moldboards with chain style level lift (or optional sliding level lift) **keeps the plow level** while our **integral snow shield prevents snow from blowing over the top** of the moldboard.
- > Henke's **Grade 50 Steel is 39% stronger** than A-36 Steel.
- > Henke's **Road Safe pushframe provides maximum strength** and prevents bottom angle bending. **Cylinders are located above the pushframe for protection** against road debris and ease of maintenance.



*From the urban core to the steepest mountain passes, Henke's Road Warrior Plow will conquer your toughest challenges*

	SELECT:	STYLES	MATERIALS	LENGTHS (ft)	HEIGHTS
1	MOLDBOARDS	Straight Expressway Funnel/One-Way	Grade 50 Steel 304 Stainless Poly-Lined Steel	10 11 12	Varies by Style
		STYLES	LENGTHS	NOTES	
2	PUSHFRAMES	Road Safe <sup>SM</sup> Tube Table <sup>SM</sup> Parallel Lift <sup>SM</sup>	Standard: 119.5" 6 Ribs Heavy Duty: 119.5", 8 Ribs	*Road Safe frame prevents bottom angle bending. Cylinders above frame. **Not available with all moldboard shapes and sizes.	
		STYLES	DESCRIPTION		
3	TRIPS  (Not all trips are available with every moldboard size and pushframe selection)	ECT EST EXT SLT SSTE	External Compression - Spring Enclosed Springs - EST (Single) or DEST (Dual) Extension Spring - 6 Springs or 8 Springs Slotted Trip - Spring-in-Spring Square Spring Trip Edge		
4	LIFT SYSTEMS	Standard Lift: 2 Chain level lift design Sliding Level Lift: Improved Performance as plow is angled Parallel Lift: True level lifting as plow is angled and raised or lowered			
5	OPTIONS: <i>Many options are available. A few common ones are listed.</i>	Various Wear Components; Various Running Gear (Runner Shoes, Steel Wheels, Pneumatic Running Gear, Mushroom Shoes - standard or spring loaded) Single or Dual Mouse Ears; Mailbox Cut; Jack Stand; Rod Markers			



# V-PLOWS

## TACKLE AND DOMINATE HEAVY SNOW

### FOLDING V FVX



The Henke FVX is **ideal for urban/city plowing**, especially for areas with lots of cul-de-sacs and roundabouts. The FVX adjusts to scoop, vee or reversible plowing positions for maximum versatility. FVX is available with Henke's Parallel Lift System or Chain Lift. 41" tall moldboards are 10 ga, Grade 50.

Plow Width (ft)	Width/Swath (in)	Straight	Angled	Ve	Scoop
10	Overall Width	123.26	111.68	116.77	106.60
	Plowing Swath	123.26	101.37	105.89	96.85
11	Overall Width	135.26	126.6	126.6	116.43
	Plowing Swath	135.26	115.72	115.72	<b>106.68</b>
12	Overall Width	147.26	136.43	136.46	126.26
	Plowing Swath	147.26	125.55	125.55	116.51
14	Overall Width	171.26	156.09	151.00	145.91
	Plowing Swath	171.26	145.21	140.69	136.17

### FIXED V

The Fixed V-10's unique blade curvature helps **bust through drifts and deep snow to open roads**. 52" nose height, 86" rear height.

- > **Rugged construction** - 10 ga, Grade 50 moldboard, plus reinforced channels for maximum support
- > Three easily-accessible running gear assemblies provide easy adjustment without tools.

## POLY FLEX PLOW

**EASILY TRANSFORMS WHILE IN OPERATION: Right or Left Discharge, Tall Front Push or Snow Shield Curl**



## THE MOST FLEXIBLE WAY TO MANAGE SNOW REMOVAL

When you need to combine the advantages of a one-way plow with a reversible plow, Henke's Poly Flex Plow is the answer. This highly adjustable, can be manipulated to handle multiple snow clearing challenges.

- > **Hydraulically adjustable** on the fly
- > **UHMW Polymer** moldboard, will not crack at low temperatures or upon impact
- > **Torsion Trip Edge** easy to adjust and to maintain
- > **Dual Reversing Cylinders**, nitrided rods
- > **Dual Moldboard Contouring Cylinders**
- > **Swivel Feature** to follow road contours
- > **11', 12' and 14' Lengths**, multiple options



# TRUE FLOAT WINGS

POSTLESS PATROL WING  
ELIMINATES CHATTER



Henke's **parallel lift link** doesn't bind up like traditional "slide style" wings. The unique true float, non-trailing design reduces wing chatter and increases effectiveness at cutting through packed snow and ice.

- The MOST vertical float of all postless wings
- More durable than traditional slide style wings
- Available in full trip, trip edge, and non-trip models
- Truck hitch compatibility (front mount only):  
Non tilt, Manual tilt or Power tilt
- Multiple mounting locations:
  - Front-mount
  - Mid-mount with rear attachment mounted forward of tires, behind tires, or between tandems
- Moldboard heights:
  - Tapered (29" intake, 36" discharge)
  - Straight (31" )

Mounting Locations	Benching Heights (in)	Trips	Lifts	Pushbeams
Front	14.5	Full Trip Trip Edge* Non Trip	Front** Rear	Spring Cushioned Single Hydraulic Adjustable Single Spring Cushioned Dual
Mid	12.5	Full Trip Trip Edge* Non Trip	Front** Rear	Spring Cushioned Single Hydraulic Adjustable Single Spring Cushioned Dual

\*Add 5" to moldboard heights \*\*Front lift is available with single pushbeam only

The **ONLY TRUE-FLOAT,  
NON-TRAILING WING  
ON THE MARKET**



[Learn more about it in our video on YouTube.](#)



AVAILABLE IN BOTH FRONT AND REAR LIFT



Front Lift Single Pushbeam  
(shown with spring cushioned pushbeam)



Rear Lift Single Pushbeam  
(shown with hydraulic adjustable pushbeam)



Rear Lift Dual Pushbeam  
(shown with spring cushioned pushbeam)



# SLIDE POST WINGS



MID-MOUNT AND FRONT MOUNT WINGS DESIGNED TO FUNCTION IN ALL KINDS OF ENVIRONMENTS



**BUILT TO  
PERFORM**

We recognize that not all plowing situations are the same for every customer. Henke works with you to determine the best wing system for your truck and environment. The chart below illustrates a few of our most popular wing selections.

- > Moldboard heights:
  - Tapered (29" intake, 36" discharge)
  - Straight (31" )
- > Rear posts available with 48"/68" bench height wings:
  - 34" slide + cable lift
  - 48" slide + hydraulic lift
  - Fixed rear + hydraulic lift

Mounting Locations	Benching Heights (in)	Trips	Lifts		Post Style
Front	18	Full Trip* Trip Edge** Non Trip	Front Rear	Spring Cushioned Single Hydraulic Adjustable Single Spring Cushioned Dual	All Hydraulic
	34	Full Trip Trip Edge** Non Trip	Rear	Spring Cushioned Single Hydraulic Adjustable Single Spring Cushioned Dual	All Hydraulic
	48	Full Trip Trip Edge** Non Trip	Rear	Spring Cushioned Dual	All Hydraulic
	68	Full Trip Trip Edge** Non Trip	Rear	Spring Cushioned Dual	Cable Lift
Mid	18	Full Trip* Trip Edge** Non Trip	Front Rear	Spring Cushioned Single Hydraulic Adjustable Single Spring Cushioned Dual	All Hydraulic
	34	Full Trip Trip Edge** Non Trip	Rear	Spring Cushioned Single Hydraulic Adjustable Single Spring Cushioned Dual	All Hydraulic

\*Full trip is not available with front lift \*\*Add 5" to moldboard height



For enhanced operating capability, combine one of Henke's front plows (parallel or traditional lift) with postless or hydraulic wings.





# UNDER BODY SCRAPERS

ADD HARDCORE SCRAPING ACTION TO YOUR FLEET



## A GREAT ALL-SEASON WORKHORSE – REMOVES HARD PACKED SNOW AND ICE; GREAT FOR GRAVEL & SHOULDER ROAD MAINTENANCE

Built strong, built to last, Henke's Under Body Scrapers will provide years of service with minimal maintenance. A 1" heat-treated carbon steel moldboard is available in two models – Power Reversing or Fixed Angle.

Henke Model	Lengths (ft)	Heights (in)	Actuating Cylinders	Reversing Cylinders	Mounting Options
Power Reversing	10, 11, 12	15.5, 17, 20	Two 3" bore with 2" nitrided rods	Two 4" bore with 2" nitrided rods	Four heavy duty legs, or Two heavy duty plates
Fixed Angle	10, 11, 12	15.5, 20	One or two 3" bore with 2" nitrided rods	N/A	Three or four heavy duty legs

### POWER REVERSING UBS:

- Solid 2.5" hinge shaft and four (4) hinge-anchor points
- Hangerboard circle clamps 102 sq-in, with poly wear pads
- One piece circle, 1" thick solid steel with 5" center pin
- Crossover relief valve for reversing cylinders
- Down pressure relief valve for actuating cylinders
- ½" x 6" SAE 1084 high carbon steel cutting edge (standard)

## HENKE'S UNDER BODY SCRAPERS SUPPLY ENOUGH FORCE TO REMOVE HARD PACKED SNOW AND ICE WITHOUT DAMAGING THE ROAD SURFACE

SEVERAL OPTIONS OF CUTTING EDGES AND WEAR GUARDS ARE AVAILABLE, PLUS THESE GREAT ADD-ONS:

- 12" bolt-on extensions adds extra swath (20" moldboard only)
- Manual reverse option available
- Remote grease line for 5" center pin
- Spiral greased groove hinged shaft (makes shaft removal easier)



## BACKED WITH FIRST RATE SERVICE AND OUTSTANDING WARRANTY PROTECTION

888.682.9010  
henkemfg.com

# HENKE®

AN ALAMO GROUP COMPANY





## HENKE CHANGES THE GAME WITH OUR EXCLUSIVE REMOVABLE/REPLACEABLE CONVEYOR CARTRIDGE

The replaceable cartridge in our innovative HXC Spreader is the easiest conveyor system on the market to service or repair.

## BEST ROI FOR V-BOX SPREADERS ON THE MARKET

The modular design of the removable cartridge reduces cost of ownership by providing longer service life of the main structure and hopper. Just replace a worn out cartridge conveyor vs. replacing the WHOLE unit.

## FLEXIBILITY TO USE DIFFERENT CONVEYOR SYSTEMS IN 1 UNIT

Choose between a pintle chain, single 9" auger or dual augers. This gives you the control and versatility you need for use of specific materials and spreading applications.



### SPECIFICATIONS

304 stainless steel construction
Available in 9' - 15' lengths
Fully replaceable conveyor system
Remote chain tensioning
Spinner deflectors are adjustable without tools
Unique telescoping discharge chute for even high-flow rates
Built-in hydraulic lockout systems on all auger spreaders
Spinner drive "shed" prevents clogging & fouling in the chute
Integrated safety features allow tool-free access for routine maintenance



**The ONLY V-BOX spreader with a removable conveyor cartridge, the easiest to maintain, most cost-effect solution available.**

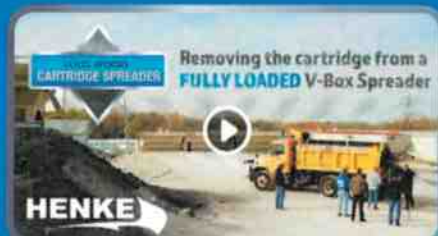
## WE GIVE YOU OPTIONS

- > Spinners are available in poly or steel versions
- > Adjustable Spinner Chutes are available with dumpover and tilt-up options
- > Safety options- light bars, reflective tape
- > Stationery or swing-up ladder
- > Hopper vertical extension available for increased capacity
- > Top grates, rib mounted rollers, bumper guard, front and side spill shields



**HENKE'S VERSATILE, MODULAR SYSTEM IS DESIGNED TO GIVE YOU THE BEST SOLUTION FOR YOUR APPLICATION**

**LEARN MORE, WATCH THE HXC VIDEOS ON OUR YOUTUBE CHANNEL**



# HENKE®

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## THE ULTIMATE CHOICE FOR EASY MAINTENANCE AND SUPERIOR PERFORMANCE



### UNIQUE MULTI-POSITION COVER/BACKPLATE

Henke's UTS-9 features 4 different settings from fully closed to fully open in a 90° flat position. This gives you the easiest position to clean and maintain the 9" auger and spreader unit.



### SET-BACK POSITION FOR INCREASED MATERIAL CAPACITY

Opening the spreader to the set-back position allows for additional tailgate swing giving you increased material capacity.



### SAFETY LOCK-OUT DEVICE

Safety is important at Henke Manufacturing, the UTS-9 is designed to disengage the motor when gaining access to the auger. Additionally, our exclusive side mounting plates limit access during operation.



### BETTER MATERIAL FLOW BY DESIGN

Our sloped rear apron helps shed material from the dump body into the conveyor trough and helps prevent material build-up. This increases your operating uptime and decreases needed cleaning.



### DESIGNED TO BE EASY TO MAINTAIN AND PREVENT DOWNTIME

The offset motor mount makes maintenance a snap while preventing material build-up on the shaft which can prematurely blow a seal.



### FOLD FORWARD CLEAN OUT

The first step in using the fold forward clean out is to disengage the safety lock-out device. The spinner assembly stays attached giving you quick and easy access.



### ALL-SEASON USE

The optional berm chute gives you the flexibility to disperse aggregate.

#### SPECIFICATIONS

Body is designed to fit below the dump bodies tailgate with outside widths ranging from 94" - 96" Unit overall width: 96" Approximate weight: 66lbs

Heavy-duty 70 gauge cover/backplate and trough with 1/4" endgates

9" diameter carbon steel auger. Auger shaft is tapped at one end to allow installation of speed sensor

3 heavy-duty latches keep cleanout door securely sealed

20" polyurethane spinner disk is adjustable front-to-back and side-to-side and can be removed without tools

Auger motor is offset from hopper body to prevent damage to seal

Quick disconnect mounting kit with 1/4" pins



[Check out our product demo video on YouTube](#)

### A DEDICATED TEAM THAT DELIVERS

Listening to our customers helps us understand the unique challenges they're faced with. That, in turn, helps our engineering and manufacturing team use their expertise to design solutions that perform beyond specs and expectations.

When you call on HENKE, you'll receive first rate service backed by a team of seasoned industry professionals. With HENKE, **your** concern is **our** concern and we do everything we can to create a successful outcome for you.

**HENKE'S HXC Cartridge Spreader, The only V-Box Spreader on the market with a removable conveyor system, designed to be easy to maintain and cost-effective for the long haul.**

[Learn more about it in our](#) [YouTube video](#)



# HENKE®

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**henkemfg.com**



# HENKE: ENGINEERED TO GIVE YOU THE BEST

## BUILT WITH THE CUSTOMER IN MIND

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## VISIT HENKE ON YOUTUBE...

*You'll find short, informative videos highlighting product features and benefits. Subscribe to the channel as new videos are constantly added.*

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# HENKE®

AN ALAMO GROUP COMPANY



**STAINLESS STEEL DUMP BODIES**



SL-316 shown with  
optional equipment.



[www.duraclass.com](http://www.duraclass.com)

**Durability that Means Business**



# The DuraClass® Line

## LIGHT DUTY

**Better than Ever in  
Stainless Steel**



Yardbird

## Yardbird & Super Duty Yardbird

DuraClass Yardbird and Super Duty Yardbird Stainless Steel Dump Bodies are ideal for contractors and landscapers hauling equipment, soil, stone, mulch and other materials.



Super Duty Yardbird shown with  
available material spreader.

## MEDIUM DUTY

**Stainless Steel Bodies,  
Ready to Work**



SL-316 Dump Body

## SL, SL-316, HM & HH

Medium Duty Stainless Steel Dump Bodies from DuraClass feature a unique body sidewall design that includes a continuous top rail, side and running board configuration. Without an outside seam weld below the top rail, moisture and freeze problems are virtually eliminated!



HM Dump Body.



## STAINLESS STEEL

**Tough, Reliable, Ready to Work**

Stainless steel provides superior corrosion resistance with maximum durability. Stylish, rugged, dependable, stainless steel DuraClass bodies are available for light, medium and heavy duty applications, as well as municipal snow and ice control. DuraClass stainless steel bodies are built to last and provide years of reliability and premium performance.



# Now in Stainless Steel

## HEAVY DUTY

### Stainless Steel Reliability for the Toughest Jobs



HPT-316 with Hi-Lift tailgate  
and optional material spreader.

## LH, HPT, HPT-316, HPT-B1 & HPT-B2

DuraClass Heavy Duty Stainless Steel Dump Bodies offer full depth rear corner posts and oversize front corner posts for strength and durability. DuraClass dump bodies also feature protected hidden tailgate hardware and heavy duty upper and lower tailgate hardware.



HPT-316 with Hi-Lift tailgate and  
optional material spreader.

## SIDEWINDER™

### Corrosion Resistant Stainless Steel When You Need it Most



## Sidewinder™ & Sidewinder Jr.™

The versatile Stainless Steel DuraClass Sidewinder and Sidewinder Jr. operate as standard dump bodies most of the year, while providing the perfect solution for spreading material during the winter months.

Sidewinder Jr. with  
optional tarp system.



## TELESCOPIC (HPT) & SUBFRAME HOISTS

### HPT HOISTS

- Increased capacity
- Better stability
- Increased productivity
- Improved longevity

### DOUBLE ARM SUBFRAME HOIST

Effective twin-arm leverage raises body for faster dumping cycle.

### SCISSORS SUBFRAME HOIST

Premium performance with powerful double acting cylinder preventing "kick back" giving you complete positive control.

Double Arm  
Subframe Hoist





## Accessories



LED Lights



Cabshields



Patch Gates



Tarp Rods

## DuraClass - Durability that Means Business!

With over a century of experience DuraClass continues to deliver the most stylish, rugged and dependable dump bodies and hoists to the work truck industry.

DuraClass designs and manufactures a comprehensive range of premium Class 3 – 8 dump bodies, hoists, and related equipment.

All bodies shown with some optional equipment. Models and options are subject to change without notice.  
Vehicles pictured may include optional installed items which may not be standard equipment.



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## SHIFT TO THE HIGHER STANDARD



### HENKE'S MODULAR PLOW SYSTEM - Flexibility to build the best plow for your application

With **over 100 years of experience making snow plows**, Henke has developed a standardized plow line that gives you the flexibility to build the plow you need. By combining different options for height, width, profile, pushframe, trip, hitch, and running gear, you can easily create a highly customized "standard" plow.

- > Henke's moldboards with chain style level lift (or optional sliding level lift) **keeps the plow level** while our **integral snow shield prevents snow from blowing over the top** of the moldboard.
- > Henke's **Grade 50 Steel is 39% stronger** than A-36 Steel.
- > Henke's **Road Safe pushframe provides maximum strength** and prevents bottom angle bending. **Cylinders are located above the pushframe for protection** against road debris and ease of maintenance.




*From the urban core to the steepest mountain passes, Henke's Road Warrior Plow will conquer your toughest challenges*

	SELECT:	STYLES	MATERIALS	LENGTHS (ft)	HEIGHTS
1	MOLDBOARDS	Straight Expressway Funnel/One-Way	Grade 50 Steel 304 Stainless Poly-Lined Steel	10 11 12	Varies by Style
		STYLES	LENGTHS	NOTES	
2	PUSHFRAMES	Road Safe® Tube Table** Parallel Lift**	Standard: 119.5" 6 Ribs Heavy Duty: 119.5" 8 Ribs	*Road Safe frame prevents bottom angle bending. Cylinders above frame. **Not available with all moldboard shapes and sizes.	
		STYLES	DESCRIPTION		
3	TRIPS  (Not all trips are available with every moldboard size and pushframe selection)	ECT EST EXT SLT SSTE	External Compression - Spring Enclosed Springs - EST (Single) or DEST (Dual) Extension Spring - 6 Springs or 8 Springs Slotted Trip - Spring-in-Spring Square Spring Trip Edge		
4	LIFT SYSTEMS	Standard Lift: 2 Chain level lift design Sliding Level Lift: Improved Performance as plow is angled Parallel Lift: True level lifting as plow is angled and raised or lowered			
5	OPTIONS: Many options are available. A few common ones are listed.	Various Wear Components; Various Running Gear (Runner Shoes, Steel Wheels, Pneumatic Running Gear, Mushroom Shoes - standard or spring loaded) Single or Dual Mouse Ears; Mailbox Cut; Jack Stand; Rod Markers			



# SAD

## S-Series Under Tailgate Spreader

 **swenson**

[www.swensonproducts.com](http://www.swensonproducts.com)

 **swenson**  
a brand of aebe schmidt





# SAD Under Tailgate Spreader

The S-Series Under Tailgate Spreaders have height-adjustable spinners and are designed to install below the existing tailgate. This provides a variety of spreading solutions when the dump body is higher than 44 inches above the ground.

- ⊕ Designed for 15,000+ GVW trucks with ground clearances greater than 44 inches
- ⊕ Works with 96 in. wide dump bodies
- ⊕ Mounts below dump body tailgate
- ⊕ Rugged 6 in. auger with continuous/reverse fighting to unload from both sides of the dump body

## Highlights

- › Independent hydraulic control of auger and spinner
- › Direct drive higher performance and lower maintenance
- › 18 in. poly spin disc broadcasts up to 40 ft.
- › Stainless steel or carbon steel construction
- › Stabilizer kit keeps spinner parallel to the road at all dump angles
- › Tailgate shields
- › Made in the USA



## Specifications

Size	96 in. width
Conveyor	6 in. auger with continuous/reverse fighting
Drive	Hydraulic
Weight Empty	540 lbs.
Construction	Carbon steel or Stainless steel
Spread Width	4–40 ft.
Safety Features	Hydraulic safety interlock
Warranty	1 year
Accessories	Dual flow control valve controller, central hydraulic hose kit, central hydraulic 7 gallon tank kit
Controller	Purchased separately