United City of Yorkville
651 Prairie Pointe Drive
Yorkville, Illinois 60560
Telephone: 630-553-4350
www.yorkville.il.us

AGENDA
PUBLIC WORKS COMMITTEE MEETING
Tuesday, August 20, 2024
6:00 p.m.
East Conference Room #337
651 Prairie Pointe Drive, Yorkville, IL

Citizen Comments:

Minutes for Correction/Approval: July 16, 2024

New Business:

1. PW 2024-66 Water Reports for April – July 2024
2. PW 2024-67 Road Reconstructions Related to C1 Yorkville, LLC
    a. Faxon Road Reconstruction Professional Services Agreement – Design Engineering
    b. Beecher Road Reconstruction Professional Services Agreement – Design Engineering
3. PW 2024-68 Kennedy Road and Freedom Place Interception Improvements
4. PW 2024-69 DuPage Water Commission / Lake Michigan Water Sourcing Projects Costs Summary – August 2024
5. PW 2024-70 Quiet Zone Study
    a. BNSF Railroad – Quiet Zone Study – Preliminary Engineering
    b. Downtown Railroad – Quiet Zone Study – Preliminary Engineering
6. PW 2024-71 Public Works and Parks Building Plan Update
7. PW 2024-72 Kluber Construction Manager RFQ Status Update

Old Business:

Additional Business:

UNITED CITY OF YORKVILLE
WORKSHEET
PUBLIC WORKS COMMITTEE
Tuesday, August 20, 2024
6:00 PM
CITY HALL CONFERENCE ROOM

CITIZEN COMMENTS:

MINUTES FOR CORRECTION/APPROVAL:

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1. July 16, 2024
   - ☐ Approved _____
     - ☐ As presented
     - ☐ With corrections

NEW BUSINESS:

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1. PW 2024-66 Water Reports for April – July 2024
   - ☐ Moved forward to CC _____
   - ☐ Approved by Committee _____
   - ☐ Bring back to Committee _____
   - ☐ Informational Item
   - ☐ Notes _____

     _____

     _____

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2. PW 2024-67 Road Reconstructions Related to C1 Yorkville, LLC
    a. Faxon Road Reconstruction Professional Services Agreement – Design Engineering
    b. Beecher Road Reconstruction Professional Services Agreement – Design Engineering

☐ Moved forward to CC _____
☐ Approved by Committee _____
☐ Bring back to Committee _____
☐ Informational Item
☐ Notes _____

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3. PW 2024-68 Kennedy Road & Freedom Place Interception Improvements

☐ Moved forward to CC _____
☐ Approved by Committee _____
☐ Bring back to Committee _____
☐ Informational Item
☐ Notes _____

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4. PW 2024-69 DuPage Water Commission / Lake Michigan Water Sourcing Projects Costs Summary – August 2024

☐ Moved forward to CC _____
☐ Approved by Committee _____
☐ Bring back to Committee _____
☐ Informational Item
☐ Notes _____

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5. PW 2024-70 Quiet Zone Study
    a. BNSF Railroad – Quiet Zone Study – Preliminary Engineering
    b. Downtown Railroad – Quiet Zone Study – Preliminary Engineering

☐ Moved forward to CC _____
☐ Approved by Committee _____
☐ Bring back to Committee _____
☐ Informational Item
☐ Notes _____

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6. PW 2024-71 Public Works and Parks Building Plan Update

☐ Moved forward to CC _____
☐ Approved by Committee _____
☐ Bring back to Committee _____
☐ Informational Item
☐ Notes _____

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7. PW 2024-72 Kluber Construction Manager RFQ Status Update

☐ Moved forward to CC _____
☐ Approved by Committee _____
☐ Bring back to Committee _____
☐ Informational Item
☐ Notes _____

_____

_____

ADDITIONAL BUSINESS:

Reviewed By:	
Legal	☐
Finance	☐
Engineer	☐
City Administrator	☐
Community Development	☐
Purchasing	☐
Police	☐
Public Works	☐
Parks and Recreation	☐

Agenda Item Number

Minutes

Tracking Number

Agenda Item Summary Memo

Title: Minutes of the Public Works Committee – July 16, 2024

Meeting and Date: Public Works Committee – August 20, 2024

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:

Have a question or comment about this agenda item?
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UNITED CITY OF YORKVILLE
PUBLIC WORKS COMMITTEE
Tuesday, July 16, 2024, 6:00pm
Yorkville City Hall, East Conference Room #337
651 Prairie Pointe Drive, Yorkville, IL

IN ATTENDANCE:
Committee Members
Chairman Ken Koch
Alderman Craig Soling
Alderman Rusty Corneils
Alderman Matt Marek

Other City Officials
Assistant City Administrator Erin Willrett
Engineer Brad Sanderson, EEI
Public Works Director Eric Dhuse

Other Guests: None

The meeting was called to order at 6:00pm by Chairman Ken Koch.

Citizen Comments: None

Previous Meeting Minutes: June 18 2024
The minutes were approved as presented on a unanimous voice vote.

New Business:
1. PW 2024-53 Capital Improvement Projects Update
This is the quarterly summary and Mr. Sanderson said the raw water main is completely done. Additionally, the Road to Better Roads was finished by D Construction and they will begin crack-sealing and miscellaneous. Mr. Dhuse added that there are 2 pages of capital projects. Alderman Marek asked if the Change Order on the agenda is related to the 2024 RTBR. The Change Order is related to the 2024 **local** road program that has not started yet. Alderman Soling asked about the Conover paving to be done by the township and Mr. Dhuse will check on this as the project was to have been done in May.

2. PW 2024-54 Quarterly Bond and Letter of Credit Reduction Summary
Mr. Sanderson said there was nothing to report in the previous quarter, but there will be in the next one.

3. PW 2024-55 Heartland Meadows – One Year Maintenance Guarantee Release
The City Council accepted the improvements in May of 2023 and all remaining punchlist items were mostly done. A separate cash performance guarantee is being provided for the remaining work and Mr. Sanderson recommended full release of the guarantee. This will move to the consent agenda.

4. PW 2024-56 Windett Ridge Unit 2 – Consideration of Acceptance
Work is complete as well as the punchlist and Mr. Sanderson recommended acceptance. The one-year warranty period begins with the acceptance. This also moves to the consent agenda.

5. PW 2024- 57 Timber Ridge Estates Water Main Extension – Plat of Easement
Mr. Sanderson said that water main will be run along Rt. 126 to connect to an area where higher water pressure is needed. An easement is necessary and documents have been approved by nearby property owners and city acceptance is needed as well. This will move to the consent agenda.

6. PW 2024-58 2024 Local Road Program – Change Order No. 1 (Faxon Road)
This is part of the local road program and a pre-construction meeting is scheduled with Builders Asphalt for tomorrow with work to begin soon. This Change Order is to add in approved work related to Whispering Meadows and right across the street from the Faxon Road work. It is contingent upon receiving the necessary funds of $760,000. The value is $600,000 with remainder of $160,000 for storm sewer work. That amount will likely not be adequate, but the work will actually be done over the winter since an easement is also needed. This will move to the regular agenda.

7. PW 2024-59 2023 Water Main Replacement – Contract A – Change Order No. 2 (Final Balancing)
The final quantities have been received and there is a slight reduction of $3,300. Almost all punchlist items are done and the final payment will be made when all items are done. There is a one-year warranty on materials. Mr. Sanderson recommended approval and this item moves to the consent agenda.

8. PW 2024-60 Water Audit Update
Mr. Sanderson gave an overview. As required by the Lake Michigan water project, a water audit must be done each year. In an effort to bring these reports up to speed, audits were done for 2022 and 2023 and will then be done yearly. The goal is to have a water loss of below 10% before connection and the city has been taking steps to reduce that as a requirement of the water permit. Aggressive water main replacement and water meter audits have been done and a leak detection firm has been hired as well. Replacement of meters is also planned and budgeted. Mr. Sanderson reviewed the water losses for '22/'23 which had widely ranging numbers. The recommendation is to move forward on meter replacements. There is a price of $748,000 for 1,251 meters and the price of meters will decrease as more are ordered. The age of the meters was also discussed. Billing software for the new program will be purchased and the water meter proposal will be brought back to committee for further discussion.

The committee discussed the audit and had several questions. Possible sources of the leaks were discussed and a billing audit may be done in the event it's a software error. If the city fails to meet the water loss guidelines, a water loss reduction plan would be required by the IDNR and a penalty may be incurred. It is thought individual resident meters may be contributing to the losses. Alderman Corneils suggested doing the water billing audit first since it is a lesser expense. Details and cost will be gathered and brought back to committee. It was noted that Oswego has done a full meter replacement and Montgomery has done water main replacement and found errors at the water treatment plant. This information will be shared with the Administration committee as well.

9. PW 2024-61 Route 126 Water Main Improvements – Design Engineering Agreement
Mr. Dhuse said he discussed this last month, saying this water main in Timber Ridge connects to the south receiving station. This is part of the WIFIA program and has been moved up a year to 2025 due to land acquisition and time involved. The committee was OK with the agreement and it moves to the regular agenda.

10. PW 2024-62 Lake Michigan South Receiving Station Standpipe – Design Engineering Agreement
This agreement is in conjunction with item # 9. It is the first standpipe that Yorkville has had and made for this site due to economics and elevation (using gravity). The cost is a fixed fee of $219,000 and $30,966 as a direct cost. It is also WIFIA. This moves to the regular agenda.

11. PW 2024-63 Northwest Elevated Water Storage Tank – Design Engineering Agreement
As part of Lake Michigan allocation, the city is required to have 2 days worth of water storage. This agreement would begin the project to build a new water storage tank which would be located at the NW corner of the Bright Farm site at Eldamain and Corneils Rd. This project would involve SRF

Funds (State Revolving Funds). Bids must be let by January with a very aggressive design schedule.

Alderman Soling asked if the city should build "bigger" to accommodate future growth. Mr. Sanderson replied that the water could become stagnant and the proposed size should be adequate. Also, Bristol Bay has a 1.52 million gallon tank.The current towers are also being used and the wells have to be turned on every 30 days to be IEPA compliant. Alderman Corneils asked why Eldamain Rd. was chosen for the tank site. It is based on having screening for the tanks and it will help buffer demands of growth in the area. Fire flow also is a factor. Mr. Dhuse also noted that the north side is the highest pressure area and water can flow to the river. This project will also use SRF funding. This item will move forward to the regular agenda.

12. PW 2024-64 YBSD Water Main Extension – Contract Award.

YBSD needs water main extended across Blackberry Creek for their expansion project and the city asked for the water main to be upsized. YBSD is responsible for the majority of the cost. Bids were taken in June and the low bidder was Stokes, however, in a previous job, performance standards were not met and overall the city was not happy with their work. As a result, it was recommended to award the bid to Winninger Excavating who was below the engineering estimate. Attorney Orr reviewed the contract due to the circumstances and she was OK with the recommendation. This will require a super majority vote. Mr. Sanderson noted that additional permits are needed due to the stream designation of "biologically significant stream". A meeting will be held with the Army Corps tomorrow.

13. PW 2024-65 YBSD Water Main Extension – Construction Engineering Agreement

This is a standard agreement with an hourly rate and overall estimate of $49,928 for EEI to monitor the project in item #12. Fish monitoring, testing and wetland monitor etc., will be required. YBSD will pay for 87% of the project. This moves to the regular agenda.

Old Business: None

Additional Business:

Mr. Dhuse said very few trees came down in the recent storms with a few in Grande Reserve.

There was no further business and the meeting adjourned at 6:52pm.

Minutes respectfully transcribed by
Marlys Young, Minute Taker

Reviewed By:	
Legal	☐
Finance	☐
Engineer	☐
City Administrator	■
Community Development	☐
Purchasing	☐
Police	☐
Public Works	■
Parks and Recreation	☐

Agenda Item Number

New Business #1

Tracking Number

PW 2024-66

Agenda Item Summary Memo

Title: Water Reports for April – July 2024

Meeting and Date: Public Works Committee – August 20, 2024

Synopsis: Acceptance of the monthly water reports per IEPA regulations.

Council Action Previously Taken:

Date of Action: _____ Action Taken: _____

Item Number: _____

Type of Vote Required: Majority

Council Action Requested: Approval

Submitted by: Eric Dhuse (Name) Public Works (Department)

Agenda Item Notes:

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United City of Yorkville
WATER DEPARTMENT REPORT

April
2024
MONTH / YEAR

WELLS

NO	WELL DEPTH (FEET)	PUMP DEPTH (FEET)	WATER ABOVE PUMP (FEET)	THIS MONTH'S PUMPAGE (GALLONS)
4	1394	795	416	16,369,000
7	1527	1125	501	13,932,700
8	1384	840	326	13,587,000
9	1368	861	374	11,732,000
			TOTAL PUMPED	55,620,700

CURRENT MONTH'S PUMPAGE IS 1,463,000 GALLONS **MORE THAN LAST MONTH**

4,090,700 GALLONS **MORE THAN LAST YEAR**

DAILY AVERAGE PUMPED: 1,854,023 GALLONS

DAILY MAXIMUM PUMPED: 2,255,000 GALLONS

DAILY AVERAGE PER CAPITA USE: 76.03 GALLONS (Population 23,000)

WATER TREATMENT:

CHLORINE: 1200 LBS. FED — CALCULATED CONCENTRATION: 2.74 MG/L

FLUORIDE: 0 LBS. FED — MEASURED CONCENTRATION: 0.71 MG/L

POLYPHOSPHATE: 1118 LBS. FED — CALCULATED CONCENTRATION: 0.89 MG/L

WATER QUALITY:

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

FLOURIDE: 3 SAMPLE(S) TAKEN — CONCENTRATION: 0.71 MG/L

MAINTENANCE:

NUMBER OF METERS REPLACED: 13 — NUMBER OF LEAKS OR BREAKS REPAIRED: _____

MXU'S: 2 — BATTERIES REPLACED: _____

NEW CUSTOMERS:

RESIDENTIAL: 31 — COMMERCIAL: _____ — INDUSTRIAL/GOVERNMENTAL: 2

COMMENTS:

United City of Yorkville
WATER DEPARTMENT REPORT

May
2024
MONTH / YEAR

WELLS

NO	WELL DEPTH (FEET)	PUMP DEPTH (FEET)	WATER ABOVE PUMP (FEET)	THIS MONTH'S PUMPAGE (GALLONS)
4	1394	795	397	21,022,000
7	1527	1125	543	14,781,000
8	1384	840	321	18,377,000
9	1368	861	358	14,969,000
			TOTAL PUMPED	69,149,100

CURRENT MONTH'S PUMPAGE IS 13,528,400 GALLONS **MORE THAN LAST MONTH**

563,900 GALLONS **LESS THAN LAST YEAR**

DAILY AVERAGE PUMPED: 2,230,616 GALLONS

DAILY MAXIMUM PUMPED: 2,803,000 GALLONS

DAILY AVERAGE PER CAPITA USE: 91.20 GALLONS (Population 23,000)

WATER TREATMENT:

CHLORINE: 1341 LBS. FED — CALCULATED CONCENTRATION: 2.47 MG/L

FLUORIDE: 0 LBS. FED — MEASURED CONCENTRATION: 0.67 MG/L

POLYPHOSPHATE: 1270 LBS. FED — CALCULATED CONCENTRATION: 0.82 MG/L

WATER QUALITY:

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

FLOURIDE: 3 SAMPLE(S) TAKEN — CONCENTRATION: 0.67 MG/L

MAINTENANCE:

NUMBER OF METERS REPLACED: 34 — NUMBER OF LEAKS OR BREAKS REPAIRED: 1

MXU'S: 2 — BATTERIES REPLACED: _____

NEW CUSTOMERS:

RESIDENTIAL: 21 — COMMERCIAL: _____ — INDUSTRIAL/GOVERNMENTAL: _____

COMMENTS:

United City of Yorkville
WATER DEPARTMENT REPORT

June
2024
MONTH / YEAR

WELLS

NO	WELL DEPTH (FEET)	PUMP DEPTH (FEET)	WATER ABOVE PUMP (FEET)	THIS MONTH'S PUMPAGE (GALLONS)
4	1394	795	393	19,646,000
7	1527	1125	543	19,085,100
8	1384	840	300	18,180,000
9	1368	861	363	16,863,000
			TOTAL PUMPED	73,774,100

CURRENT MONTH'S PUMPAGE IS 4,625,000 GALLONS **MORE THAN LAST MONTH**

8,669,700 GALLONS **LESS THAN LAST YEAR**

DAILY AVERAGE PUMPED: 2,459,137 GALLONS

DAILY MAXIMUM PUMPED: 3,227,000 GALLONS

DAILY AVERAGE PER CAPITA USE: 100.29 GALLONS (Population 23,000)

WATER TREATMENT:

CHLORINE: 1638 LBS. FED — CALCULATED CONCENTRATION: 2.84 MG/L

FLUORIDE: 0 LBS. FED — MEASURED CONCENTRATION: 0.67 MG/L

POLYPHOSPHATE: 1543 LBS. FED — CALCULATED CONCENTRATION: 0.94 MG/L

WATER QUALITY:

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

FLOURIDE: 3 SAMPLE(S) TAKEN — CONCENTRATION: 0.84 MG/L

MAINTENANCE:

NUMBER OF METERS REPLACED: 20 — NUMBER OF LEAKS OR BREAKS REPAIRED: 1

MXU'S: 2 — BATTERIES REPLACED: _____

NEW CUSTOMERS:

RESIDENTIAL: 46 — COMMERCIAL: _____ — INDUSTRIAL/GOVERNMENTAL: _____

COMMENTS:

United City of Yorkville
WATER DEPARTMENT REPORT

July
2024
MONTH / YEAR

WELLS

NO	WELL DEPTH (FEET)	PUMP DEPTH (FEET)	WATER ABOVE PUMP (FEET)	THIS MONTH'S PUMPAGE (GALLONS)
4	1394	795	397	19,573,000
7	1527	1125	520	16,978,000
8	1384	840	298	17,871,000
9	1368	861	353	13,581,000
			TOTAL PUMPED	73,774,100

CURRENT MONTH'S PUMPAGE IS 5,771,100 GALLONS **LESS THAN LAST MONTH**

2,671,600 GALLONS **LESS THAN LAST YEAR**

DAILY AVERAGE PUMPED: 2,193,645 GALLONS

DAILY MAXIMUM PUMPED: 2,670,000 GALLONS

DAILY AVERAGE PER CAPITA USE: 89.50 GALLONS (Population 23,000)

WATER TREATMENT:

CHLORINE: 1615 LBS. FED CALCULATED CONCENTRATION: 3.03 MG/L

FLUORIDE: 0 LBS. FED MEASURED CONCENTRATION: 0.74 MG/L

POLYPHOSPHATE: 1708 LBS. FED CALCULATED CONCENTRATION: 1.12 MG/L

WATER QUALITY:

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

FLOURIDE: 3 SAMPLE(S) TAKEN CONCENTRATION: 0.84 MG/L

MAINTENANCE:

NUMBER OF METERS REPLACED: 13 NUMBER OF LEAKS OR BREAKS REPAIRED: 1

MXU'S: 5 BATTERIES REPLACED: _____

NEW CUSTOMERS:

RESIDENTIAL: 40 COMMERCIAL: 1 INDUSTRIAL/GOVERNMENTAL: 1

COMMENTS:

Reviewed By:	
Legal	☐
Finance	☐
Engineer	■
City Administrator	■
Community Development	☐
Purchasing	☐
Police	☐
Public Works	■
Parks and Recreation	☐

Agenda Item Number

New Business #2

Tracking Number

PW 2024-67

Agenda Item Summary Memo

Title: Faxon Rd. and Beecher Rd. Reconstruction – Design Engineering Agreements

Meeting and Date: Public Works Committee – August 20, 2024

Synopsis: Proposed design engineering contracts for Faxon and Beecher roads per C1 PUD agreement.

Council Action Previously Taken:

Date of Action: _____ Action Taken: _____

Item Number: _____

Type of Vote Required: Majority

Council Action Requested: Approval

Submitted by: Eric Dhuse (Name) Public Works (Department)

Agenda Item Notes:

Have a question or comment about this agenda item?
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Memorandum

To: Public Works Committee
From: Eric Dhuse, Director of Public Works
CC: Bart Olson, City Administrator
Date: August 12, 2024
Subject: Faxon Rd. and Beecher Rd. Design Engineering Agreements

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Summary

EEI has proposed design engineering contracts for Faxon Rd. and Beecher Rd. The design engineering agreement for Faxon Rd. is proposed in the amount of $193,620. The contract is broken down to an hourly cost estimate of $167,530 and $20,090 of fixed costs. The design engineering contract for Beecher Rd. is proposed in the amount of $89,268. The contract is broken down to an hourly cost estimate of $78,908 and $10,360 of fixed costs. Although this is not budgeted, there will be no impact on the budget. Per the approved PUD agreement, all these costs will be paid by the developer.

Background

The City Council passed the PUD agreement with C1 on July 9, 2024. In that agreement section 3.2 outlines engineering and road construction which include Faxon Rd. and Beecher Rd. I have attached the section for your review.

Section 3.2 states that the city will design and construct Beecher and Faxon Roads, less the surface coat of asphalt, by August 31, 2025. There are also specific steps and triggers along the way to ensure responsibility and transparency throughout the process. I have outlined the these below.

- Upon execution of the contract for the engineering design of the roadway improvements, the City shall send notice of same along with a copy of the design contract to developer. Developer shall pay to the City the cost of the engineering design for the road improvements within thirty (30) days of receipt of the contract therefor.

- Should the city incur costs for the relocation of poles or acquisition of ROW, the developer is responsible for 50% the costs.

- The City shall provide the developer courtesy copies of the design drawings at 30% and 90% completion with updated cost estimates.

The rest of section 3.2 deals with the construction of the roadway and will be used in the next step after the design.

I have also included the approved cross section design for Faxon Rd. and Beecher Rd. along with the approved cost estimates for each for your review.

Recommendation

Staff recommends approval of the design engineering agreements with EEI for Faxon Rd. and Beecher Rd.

Faxon Road Reconstruction
United City of Yorkville
Professional Services Agreement – Design Engineering

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

A. Services:

ENGINEER agrees to furnish to the City the following services: The ENGINEER shall provide any and all necessary engineering services to the City as indicated on the Scope of Services (Attachment B). Design Engineering for all roadways indicated on Attachment E will be provided. Construction Engineering services are not included and would be provided in a separate agreement. 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 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. Design Engineering will be paid for as a Fixed Fee (FF) in the amount of $167,530, Direct Expenses are estimated at $26,090. The total contract amount is **$193,620**. The hourly rates for this project are shown in the attached 2024 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:

Contractor agrees that all books and records and other recorded information developed specifically in connection with this agreement shall remain the property of the Village. Contractor agrees to keep such information confidential and not to disclose or disseminate the information to third parties without the consent of the Village. 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 Village. The Village 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 Village's relationship to the Contractor under this agreement shall be that of an independent contractor. Contractor will not be considered an employee to the Village 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 Village under the Contract. The Contract and all books and records related to the Contract shall be available for review and audit by the Village 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 Village and Village'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:

Attachment A:	Standard Terms and Conditions
Attachment B:	Scope of Services
Attachment C:	Estimate of Level of Effort and Associated Cost
Attachment D:	Estimated Schedule
Attachment E:	Location Map
Attachment F:	2024 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
651 Prairie Pointe Drive
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 _____, 2024.

United City of Yorkville:

_____
John Purcell
Mayor

_____
Jori Behland
City Clerk

Engineering Enterprises, Inc.:

_____
Brad Sanderson, PE
Chief Operating Officer / President

_____
Angie Smith
Executive Assistant

STANDARD TERMS AND CONDITIONS

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

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

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

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

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

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

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

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

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

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

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

Consequential Damages: Notwithstanding any other provision of this Agreement, and to the fullest extent permitted by law, neither the OWNER nor the ENGINEER, their respective officers, directors, partners, employees, contractors, or subcontractors shall be liable to the other or shall make any claim for any incidental, indirect, or consequential damages arising out of or connected in any way to the Project or to this Agreement. This mutual waiver of consequential damages shall include, but is not limited to, loss of use, loss of

profit, loss of business, loss of income, loss of reputation, or any other consequential damages that either party may have incurred from any cause of action including negligence, strict liability, breach of contract, and breach of strict or implied warranty. Both the OWNER and the ENGINEER shall require similar waivers of consequential damages protecting all the entities or persons named herein in all contracts and subcontracts with others involved in this project.

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

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

(a) Substantial failure by the other party to comply with or perform in accordance with the terms of the Agreement and through no fault of the terminating party;

(b) Assignment of the Agreement or transfer of the project without the prior written consent of the other party;

(c) Suspension of the project or the ENGINEER'S services by the OWNER for a period of greater than ninety (90) calendar days, consecutive or in the aggregate.

(d) Material changes in the conditions under which this Agreement was entered into, the scope of services or the nature of the project, and the failure of the parties to reach agreement on the compensation and schedule adjustments necessitated by such changes.

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.

Fiduciary Duty: Nothing in this Agreement is intended to create, nor shall it be construed to create, a fiduciary duty owed to either party to the other party. EEI makes no warranty, express or implied, as to its professional services rendered.

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.

Faxon Road Reconstruction
United City of Yorkville, IL
Professional Services Agreement - Design Engineering

Attachment B – Scope of Services

DESIGN ENGINEERING

- Project Management and Coordination
  - Project Management
  - Project Scheduling
  - Coordination with Sub-Consultants (Rubino Engineering, Inc.)
  - QC/QA of Final Plans, Specifications and Estimates
- Project Meetings
  - Internal Kick-Off Meeting
  - Kick-Off Meeting with City Staff
  - 60% Submittal Meeting
- Survey and Data Collection
  - Perform Topographic Survey along Faxon Road and Eldamain Road
  - Perform Boundary Survey along Faxon Road and Eldamain Road to Review ROW Ownership
  - Obtain, Review and Inventory Roadway, Right-Of-Way, Ownership, Soil Data, Etc.
  - Prepare Right-Of-Way Dedication Plats (3)
  - Review Topographic Survey
- Geotechnical Investigation
  - Coordinate Locations and Work to Obtain Soil Boring/Pavement Cores
  - Perform Soil Borings/Pavement Cores for Pavement Design and Grading (Rubino Engineering, Inc.)
  - Prepare Geotechnical Report (Rubino Engineering, Inc.)
- NPDES Permitting and CCDD
  - Perform EcoCAT Submittal
  - Prepare and Submit Illinois State Historic Preservation Office (SHPO) Approval
  - Prepare and Submit NPDES Permit for NOI
  - CCDD and LPC 662/663 Forms (Rubino Engineering, Inc.)
- Utility Coordination
  - Perform Design JULIE
  - Review and Inventory Existing Utility Information to Identify Potential Conflicts
  - Coordination with Public Utilities
- Prefinal Plans, Specifications and Estimates
  - Coordinate with City Staff the Final Scope of Improvements
  - Develop Prefinal Plans Including the Following:
    - Title Sheet
    - General Notes
    - Summary of Quantities
    - Existing and Proposed Typical Sections
    - Plan and Profile (1”=20’)
    - Suggested Construction Staging Plans
    - Erosion and Sediment Control Plan (1”=20’)
    - Drainage and Utilities Plan (1”=20’)
    - Pavement Marking and Signing Plan (1”=20’)
    - Project Details
    - City Details

        - Cross Sections (@ 50 ft stations, 1"=10' horizontal, 1"=5' vertical)
    - Prepare Bid Package and Ancillary Documents including:
        - BLR 12200 – Local Agency Formal Contract Proposal
        - BLR 12201 – Schedule of Prices
        - BLR 12230 – Bid Bond Form
        - BC 57 – Affidavit of Availability
        - Index for Supplemental Specifications and Recurring Special Provisions
        - BLR 11300 - Check Sheet for Recurring Special Provisions
        - BLR 11310 – Special Provisions
        - BDE Check Sheet/Special Provisions
        - Prevailing Wage
    - Special Provisions in IDOT Format
        - Local Roads Special Provisions
        - City Special Provisions and Details
        - Status of Utilities to Be Adjusted
    - Prepare Preliminary Cost Estimate
    - Submit Prefinal Plans to Utility Companies as Necessary
    - Submit Prefinal Plans, Special Provisions and Cost Estimate to City for Review
- Final Plans, Specifications and Estimates
    - Update Plans Based on Comments Received on Pre-Final Plans
    - Update Summary of Quantities, Estimate of Cost for Final Submittal
    - Update Special Provisions for Final Submittal
    - Submit Final Plans, Specifications and Estimate of Cost to City and Utility Companies
- Bidding, Letting and Contracting
    - Assist in Bidding and Contractor/Bid Evaluation
    - Contract Preparation
    - Additional Contract Administration as Required

DIRECT EXPENSES:
Preparation of easement documents by EEI to be included in easement agreements prepared by the City attorney. The scope of work is based on preparing seven (7) easement documents as there are seven (7) property owners along the project route with the exception of the developer's property.

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

Geotechnical and CCDD (Rubino Engineering, Inc.)

- Refer to scope items listed above

EXCLUSION:

- Easement Negotiations
- Preparation of Easement Agreements
- Right-Of-Way Negotiations and Appraisals
- Phase III Engineering Services
- Preliminary Environmental Site Assessment (PESA)
- Archeological Surveys
- Environmental Surveys including but not limited to Tree Surveys
- No Allowance for Public Involvement or Public Meetings
- Traffic Signal Design

The above scope for "Faxon Road Reconstruction" 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 the base contract and will be billed in accordance with the Standard Schedule of Charges.

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

CLIENT	PROJECT NUMBER	
United City of Yorkville	YO2435-P	
PROJECT TITLE	**DATE**	**PREPARED BY**
Faxon Road Reconstruction - Design Engineering	8/5/24	CJO

TASK NO.	TASK DESCRIPTION	ROLE	PIC	SPM	SPE 1	PE	SPT 2	SPT 1	ADMIN	HOURS	COST
		PERSON									
		RATE	$246	$234	$186	$168	$175	$164	$72		
DESIGN ENGINEERING											
2.1	Project Management and Coordination		2	48						50	$ 11,724
2.2	Project Meetings		4	8	8					20	$ 4,344
2.3	Survey and Data Collection			77		55				132	$ 27,258
2.4	Geotechnical Investigation			2	2	4				8	$ 1,512
2.5	NPDES Permitting and CCDD			3	6	8			2	19	$ 3,306
2.6	Utility Coordination			4	10	10			2	26	$ 4,620
2.7	Prefinal Plans, Specifications and Estimates		2	32	112	172	40	112		470	$ 83,076
2.8	Final Plans, Specifications and Estimates		2	16	24	48	16	48		154	$ 27,436
2.9	Bidding, Letting and Contracting		1	6	6	8			2	23	$ 4,254
	Insert Task Subtotal:		**11**	**196**	**168**	**305**	**56**	**160**	**6**	902	$ 167,530
	PROJECT TOTAL:		**11**	**196**	**168**	**305**	**56**	**160**	**6**	**902**	**167,530**

EEI STAFF

PIC	Principal In Charage
SPM	Senior Project Manager
SPE 1	Senior Project Engineer I
PE	Project Engineer
SPT 2	Senior Project Technician II
SPT 1	Senior Project Technician II
ADMIN	Adminstrative Assistant

DIRECT EXPENSES		
Printing/Scanning =	$	500
Rubino (Soil Borings & CCDD) =	$	4,590
Easement Documentation =	$	21,000
DIRECT EXPENSES =	**$**	**26,090**

LABOR SUMMARY		
EEI Labor Expenses =	$	167,530
TOTAL LABOR EXPENSES	**$**	**167,530**

TOTAL COSTS	**$**	**193,620**

ATTACHMENT D: ESTIMATED SCHEDULE

CLIENT	PROJECT NUMBER	
United City of Yorkville	YO2436-P	
PROJECT TITLE	**DATE**	**PREPARED BY**
Faxon Road Reconstruction - Design Engineering	8/5/24	CJO

TASK NO.	TASK DESCRIPTION	2024				2025				
		SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY
2.1	Project Management and Coordination									
2.2	Project Meetings									
2.3	Survey and Data Collection									
2.4	Geotechnical Investigation									
2.5	NPDES Permitting and CCDD									
2.6	Utility Coordination									
2.7	Prefinal Plans, Specifications and Estimates									
2.8	Final Plans, Specifications and Estimates									
2.9	Bidding, Letting and Contracting									
	Construction*									

* A separate construction engineering agreement will be provided.

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

United City of Yorkville
651 Prairie Pointe Dr,
Yorkville, IL 60560
630-553-4350
www.yorkville.il.us

NO.	DATE	REVISIONS

DATE: JULY 2024
PROJECT NO.: YO2435
BY: KJD
PATH:
FILE: YO2436_Reconstruction_Maps

0 350 700 Feet

ATTACHMENT E
FAXON ROAD RECONSTRUCTION LOCATION MAP

N

Engineering Enterprises, Inc.

STANDARD SCHEDULE OF CHARGES ~ JANUARY 1, 2024

50 Years

EMPLOYEE DESIGNATION	CLASSIFICATION	HOURLY RATE
Senior Principal	E-4	$246.00
Principal	E-3	$241.00
Senior Project Manager	E-2	$234.00
Project Manager	E-1	$210.00
Senior Project Engineer/Surveyor II	P-6	$200.00
Senior Project Engineer/Surveyor I	P-5	$186.00
Project Engineer/Surveyor	P-4	$168.00
Senior Engineer/Surveyor	P-3	$155.00
Engineer/Surveyor	P-2	$140.00
Associate Engineer/Surveyor	P-1	$127.00
Senior Project Technician II	T-6	$175.00
Senior Project Technician I	T-5	$164.00
Project Technician	T-4	$153.00
Senior Technician	T-3	$140.00
Technician	T-2	$127.00
Associate Technician	T-1	$111.00
GIS Technician II	G-2	$125.00
GIS Technician I	G-1	$114.00
Engineering/Land Surveying Intern	I-1	$ 82.00
Executive Administrative Assistant	A-4	$ 77.00
Administrative Assistant	A-3	$ 72.00

VEHICLES. REPROGRAPHICS, DIRECT COSTS, DRONE AND EXPERT TESTIMONY

Vehicle for Construction Observation		$ 20.00
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		$ 225.00
Expert Testimony		$ 275.00

Beecher Road Reconstruction
United City of Yorkville
Professional Services Agreement – Design Engineering

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

A. Services:

ENGINEER agrees to furnish to the City the following services: The ENGINEER shall provide any and all necessary engineering services to the City as indicated on the Scope of Services (Attachment B). Design Engineering for all roadways indicated on Attachment E will be provided. Construction Engineering services are not included and would be provided in a separate agreement. 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 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. Design Engineering will be paid for as a Fixed Fee (FF) in the amount of $78,908. Direct Expenses are estimated at $10,360. The total contract amount is **$89,268.** The hourly rates for this project are shown in the attached 2024 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:

Contractor agrees that all books and records and other recorded information developed specifically in connection with this agreement shall remain the property of the Village. Contractor agrees to keep such information confidential and not to disclose or disseminate the information to third parties without the consent of the Village. 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 Village. The Village 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 Village's relationship to the Contractor under this agreement shall be that of an independent contractor. Contractor will not be considered an employee to the Village 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 Village under the Contract. The Contract and all books and records related to the Contract shall be available for review and audit by the Village 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 Village and Village'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:

Attachment A:	Standard Terms and Conditions
Attachment B:	Scope of Services
Attachment C:	Estimate of Level of Effort and Associated Cost
Attachment D:	Estimated Schedule
Attachment E:	Location Map
Attachment F:	2024 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
651 Prairie Pointe Drive
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 _____, 2024.

United City of Yorkville:

_____
John Purcell
Mayor

_____
Jori Behland
City Clerk

Engineering Enterprises, Inc.:

_____
Brad Sanderson, PE
Chief Operating Officer / President

_____
Angie Smith
Executive Assistant

STANDARD TERMS AND CONDITIONS

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

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

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

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

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

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

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

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

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

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

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

Consequential Damages: Notwithstanding any other provision of this Agreement, and to the fullest extent permitted by law, neither the OWNER nor the ENGINEER, their respective officers, directors, partners, employees, contractors, or subcontractors shall be liable to the other or shall make any claim for any incidental, indirect, or consequential damages arising out of or connected in any way to the Project or to this Agreement. This mutual waiver of consequential damages shall include, but is not limited to, loss of use, loss of

profit, loss of business, loss of income, loss of reputation, or any other consequential damages that either party may have incurred from any cause of action including negligence, strict liability, breach of contract, and breach of strict or implied warranty. Both the OWNER and the ENGINEER shall require similar waivers of consequential damages protecting all the entities or persons named herein in all contracts and subcontracts with others involved in this project.

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

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

(a) Substantial failure by the other party to comply with or perform in accordance with the terms of the Agreement and through no fault of the terminating party;

(b) Assignment of the Agreement or transfer of the project without the prior written consent of the other party;

(c) Suspension of the project or the ENGINEER'S services by the OWNER for a period of greater than ninety (90) calendar days, consecutive or in the aggregate.

(d) Material changes in the conditions under which this Agreement was entered into, the scope of services or the nature of the project, and the failure of the parties to reach agreement on the compensation and schedule adjustments necessitated by such changes.

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.

Fiduciary Duty: Nothing in this Agreement is intended to create, nor shall it be construed to create, a fiduciary duty owed to either party to the other party. EEI makes no warranty, express or implied, as to its professional services rendered.

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.

Beecher Road Reconstruction
United City of Yorkville, IL
Professional Services Agreement - Design Engineering

Attachment B – Scope of Services

DESIGN ENGINEERING

- Project Management and Coordination
  - Project Management
  - Project Scheduling
  - Coordination with Sub-Consultants (Rubino Engineering, Inc.)
  - QC/QA of Final Plans, Specifications and Estimates
- Project Meetings
  - Internal Kick-Off Meeting
  - Kick-Off Meeting with City Staff
  - 60% Submittal Meeting
- Survey and Data Collection
  - Perform Topographic Survey along Beecher Road
  - Perform Boundary Survey along Beecher Road to Review ROW Ownership
  - Obtain, Review and Inventory Roadway, Right-Of-Way, Ownership, Soil Data, Etc.
  - Prepare Right-Of-Way Dedication Plat (1)
  - Review Topographic Survey
- Geotechnical Investigation
  - Coordinate Locations and Work to Obtain Soil Boring/Pavement Cores
  - Perform Soil Borings/Pavement Cores for Pavement Design and Grading (Rubino Engineering, Inc.)
  - Prepare Geotechnical Report (Rubino Engineering, Inc.)
- NPDES Permitting and CCDD
  - Perform EcoCAT Submittal
  - Prepare and Submit Illinois State Historic Preservation Office (SHPO) Approval
  - Prepare and Submit NPDES Permit for NOI
  - CCDD and LPC 662/663 Forms (Rubino Engineering, Inc.)
- Utility Coordination
  - Perform Design JULIE
  - Review and Inventory Existing Utility Information to Identify Potential Conflicts
  - Coordination with Public Utilities
- Prefinal Plans, Specifications and Estimates
  - Coordinate with City Staff the Final Scope of Improvements
  - Develop Prefinal Plans Including the Following:
    - Title Sheet
    - General Notes
    - Summary of Quantities
    - Existing and Proposed Typical Sections
    - Plan and Profile (1”=20’)
    - Suggested Construction Staging Plans
    - Erosion and Sediment Control Plan (1”=20’)
    - Drainage and Utilities Plan (1”=20’)
    - Pavement Marking and Signing Plan (1”=20’)
    - Project Details
    - City Details
    - Cross Sections (@ 50 ft stations, 1”=10’ horizontal, 1”=5’ vertical)

  - Prepare Bid Package and Ancillary Documents including:
    - BLR 12200 – Local Agency Formal Contract Proposal
    - BLR 12201 – Schedule of Prices
    - BLR 12230 – Bid Bond Form
    - BC 57 – Affidavit of Availability
    - Index for Supplemental Specifications and Recurring Special Provisions
    - BLR 11300 - Check Sheet for Recurring Special Provisions
    - BLR 11310 – Special Provisions
    - BDE Check Sheet/Special Provisions
    - Prevailing Wage
  - Special Provisions in IDOT Format
    - Local Roads Special Provisions
    - City Special Provisions and Details
    - Status of Utilities to Be Adjusted
  - Prepare Preliminary Cost Estimate
  - Submit Prefinal Plans to Utility Companies as Necessary
  - Submit Prefinal Plans, Special Provisions and Cost Estimate to City for Review
- Final Plans, Specifications and Estimates
  - Update Plans Based on Comments Received on Pre-Final Plans
  - Update Summary of Quantities, Estimate of Cost for Final Submittal
  - Update Special Provisions for Final Submittal
  - Submit Final Plans, Specifications and Estimate of Cost to City and Utility Companies
- Bidding, Letting and Contracting
  - Assist in Bidding and Contractor/Bid Evaluation
  - Contract Preparation
  - Additional Contract Administration as Required

DIRECT EXPENSES:
Preparation of easement documents by EEI to be included in easement agreements prepared by the City attorney. The scope of work is based on preparing two (2) easement documents as there are two (2) property owners along the project route except for the developer's property.

The following scope of services will be provided by EEI's subconsultant:
Geotechnical and CCDD (Rubino Engineering, Inc.)
- Refer to scope items listed above

EXCLUSIONS:
- Easement Negotiations
- Preparation of Easement Agreements
- Right-Of-Way Negotiations and Appraisals
- Phase III Engineering Services
- Preliminary Environmental Site Assessment (PESA)
- Archeological Surveys
- Environmental Surveys including but not limited to Tree Surveys
- No Allowance for Public Involvement or Public Meetings
- Traffic Signal Design

The above scope for "Beecher Road Reconstruction" 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 the base contract and will be billed in accordance with the Standard Schedule of Charges.

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

CLIENT	PROJECT NUMBER	
United City of Yorkville	YO2436-P	
PROJECT TITLE	**DATE**	**PREPARED BY**
Beecher Road Reconstruction - Design Engineering	8/5/24	CJO

TASK NO.	TASK DESCRIPTION	ROLE	PIC	SPM	SPE 1	PE	SPT 2	SPT 1	ADMIN	HOURS	COST
		PERSON									
		RATE	$246	$234	$186	$168	$175	$164	$72		
DESIGN ENGINEERING											
2.1	Project Management and Coordination		2	10						12	$ 2,832
2.2	Project Meetings		2	6	6					14	$ 3,012
2.3	Survey and Data Collection			25			22			47	$ 9,700
2.4	Geotechnical Investigation			1	2	2				5	$ 942
2.5	NPDES Permitting and CCDD			2	6	8			2	18	$ 3,072
2.6	Utility Coordination			2	8	8			2	20	$ 3,444
2.7	Prefinal Plans, Specifications and Estimates		2	12	50	70	20	70		224	$ 39,340
2.8	Final Plans, Specifications and Estimates		2	6	12	20	8	20	2	70	$ 12,312
2.9	Bidding, Letting and Contracting		1	6	6	8			2	23	$ 4,254
	Insert Task Subtotal:		**9**	**70**	**90**	**116**	**50**	**90**	**8**	433	$ 78,908
	PROJECT TOTAL:		**9**	**70**	**90**	**116**	**50**	**90**	**8**	**433**	**78,908**

EEI STAFF

PIC	Principal In Charage
SPM	Senior Project Manager
SPE 1	Senior Project Engineer I
PE	Project Engineer
SPT 2	Senior Project Technician II
SPT 1	Senior Project Technician II
ADMIN	Adminstrative Assistant

DIRECT EXPENSES		
Printing/Scanning =	$	300
Rubino (Soil Borings & CCDD) =	$	4,060
Easement Documentation =	$	6,000
DIRECT EXPENSES =	**$**	**10,360**

LABOR SUMMARY		
EEI Labor Expenses =	$	78,908
TOTAL LABOR EXPENSES	**$**	**78,908**

TOTAL COSTS		
	$	**89,268**

ATTACHMENT D: ESTIMATED SCHEDULE

CLIENT	PROJECT NUMBER	
United City of Yorkville	YO2436-P	
PROJECT TITLE	**DATE**	**PREPARED BY**
Beecher Road Reconstruction - Design Engineering	8/5/24	CJO

TASK NO.	TASK DESCRIPTION	2024				2025				
		SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY
2.1	Project Management and Coordination									
2.2	Project Meetings									
2.3	Survey and Data Collection									
2.4	Geotechnical Investigation									
2.5	NPDES Permitting and CCDD									
2.6	Utility Coordination									
2.7	Prefinal Plans, Specifications and Estimates									
2.8	Final Plans, Specifications and Estimates									
2.9	Bidding, Letting and Contracting									
	Construction*									

* A separate construction engineering agreement will be provided.

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

United City of Yorkville
651 Prairie Pointe Dr,
Yorkville, IL 60560
630-553-4350
www.yorkville.il.us

NO.	DATE	REVISIONS

DATE: JULY 2024
PROJECT NO.: YO2436
BY: KJD
PATH:
FILE: YO2436_Reconstruction_Maps

0 300 600 Feet

N

ATTACHMENT E
BEECHER ROAD RECONSTRUCTION LOCATION MAP

Engineering Enterprises, Inc.

STANDARD SCHEDULE OF CHARGES ~ JANUARY 1, 2024

50 Years

EMPLOYEE DESIGNATION	CLASSIFICATION	HOURLY RATE
Senior Principal	E-4	$246.00
Principal	E-3	$241.00
Senior Project Manager	E-2	$234.00
Project Manager	E-1	$210.00
Senior Project Engineer/Surveyor II	P-6	$200.00
Senior Project Engineer/Surveyor I	P-5	$186.00
Project Engineer/Surveyor	P-4	$168.00
Senior Engineer/Surveyor	P-3	$155.00
Engineer/Surveyor	P-2	$140.00
Associate Engineer/Surveyor	P-1	$127.00
Senior Project Technician II	T-6	$175.00
Senior Project Technician I	T-5	$164.00
Project Technician	T-4	$153.00
Senior Technician	T-3	$140.00
Technician	T-2	$127.00
Associate Technician	T-1	$111.00
GIS Technician II	G-2	$125.00
GIS Technician I	G-1	$114.00
Engineering/Land Surveying Intern	I-1	$ 82.00
Executive Administrative Assistant	A-4	$ 77.00
Administrative Assistant	A-3	$ 72.00

VEHICLES. REPROGRAPHICS, DIRECT COSTS, DRONE AND EXPERT TESTIMONY

Vehicle for Construction Observation		$ 20.00
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		$ 225.00
Expert Testimony		$ 275.00

2.11 Appearance Standards. The Developer has submitted prototype building elevations for the Project, a copy of which is attached hereto as Exhibit D (the "*Building Elevations*"). The Building Elevations are representative of architectural design and building materials to be utilized for the Project but are not intended to be an exact depiction of any building that may be constructed as part of the Project. The Developer shall provide updated elevations with any application for final plat or at such time as Developer submits for a Building Permit, as may be applicable. The City shall approve updated elevations which are consistent with the quality and character of the Building Elevations. The City hereby waives the requirements of Section 10-5-8-c-4b.(2) of the UDO requiring recesses, projections, windows, and other ornamental/architectural features due to the setbacks of the buildings from the abutting roads and the Developer's obligations for the landscaping as provided in Section 3.2.

2.12 Signage. The Developer shall install a monument sign on Eldamain Road at the entrance to the Project. The Developer may install a monument sign on Faxon Road at the entrance to the Project. The monument signs shall comply with the requirements of Section 10-6 of the UDO. Developer may install wall signs as permitted under Section 10-6 of the UDO.

2.13 Lighting. The Developer agrees to submit to the City for its approval a photometric plan along with manufacturer's cut sheets of the proposed lighting standards to be installed within the parking area of the Subject Property. The photometric plan shall be provided with any application for final plat or at such time as Developer submits for a Building Permit, as may be applicable. The Project shall be required to comply with applicable outdoor lighting standards pursuant to Section 10-5-7 of the UDO.

Article 3. Developer Obligations

3.1 Permits. The Developer covenants and agrees to obtain all required permits for the development of the Project and to construct all improvements in accordance with applicable City ordinances and all permits as issued. The Developer further agrees to obtain all approvals and permits from any other governmental units or agencies as may be required in connection with the construction and operation of the Project.

3.2 Engineering and Roadway Reconstruction. Under the UDO the Developer is responsible for rebuilding Faxon Road ("Faxon Road Improvements") and Beecher Road ("Beecher Road Improvements") across the frontage of the Subject Property (collectively the "Road Improvements"). The Road Improvements shall be constructed pursuant to the cross section attached hereto as Exhibit E. A preliminary cost estimate for the Road Improvements is attached hereto as Exhibit F. In lieu of Developer completing the design and physical construction of said Road Improvements, the City has agreed to design and construct the Road Improvements subject to Developer's payment of the costs incurred by the City.
The City shall complete construction of the Road Improvements, less the surface course, by August 31, 2025. Upon execution of the contract for the engineering design of the Roadway Improvements the City shall send notice of same along with a copy of the design contract to Developer. Developer shall pay to the City the cost of the engineering design for the Road Improvements within thirty (30) days of receipt of the contract therefor. The City agrees to use

best efforts to design the Road Improvements to minimize disturbance of existing utilities (i.e. ComEd poles on Beecher Road) and without requirement for additional right-of-way acquisition. Should the City incur costs associated with the acquisition of right-of-way or should the City incur costs with respect to relocation of existing utilities, the Developer shall not be responsible for said costs. The City shall provide Developer a courtesy copy of 30% design drawings for the Road Improvements and of the 90% design drawings along with an updated estimate of construction costs for each.

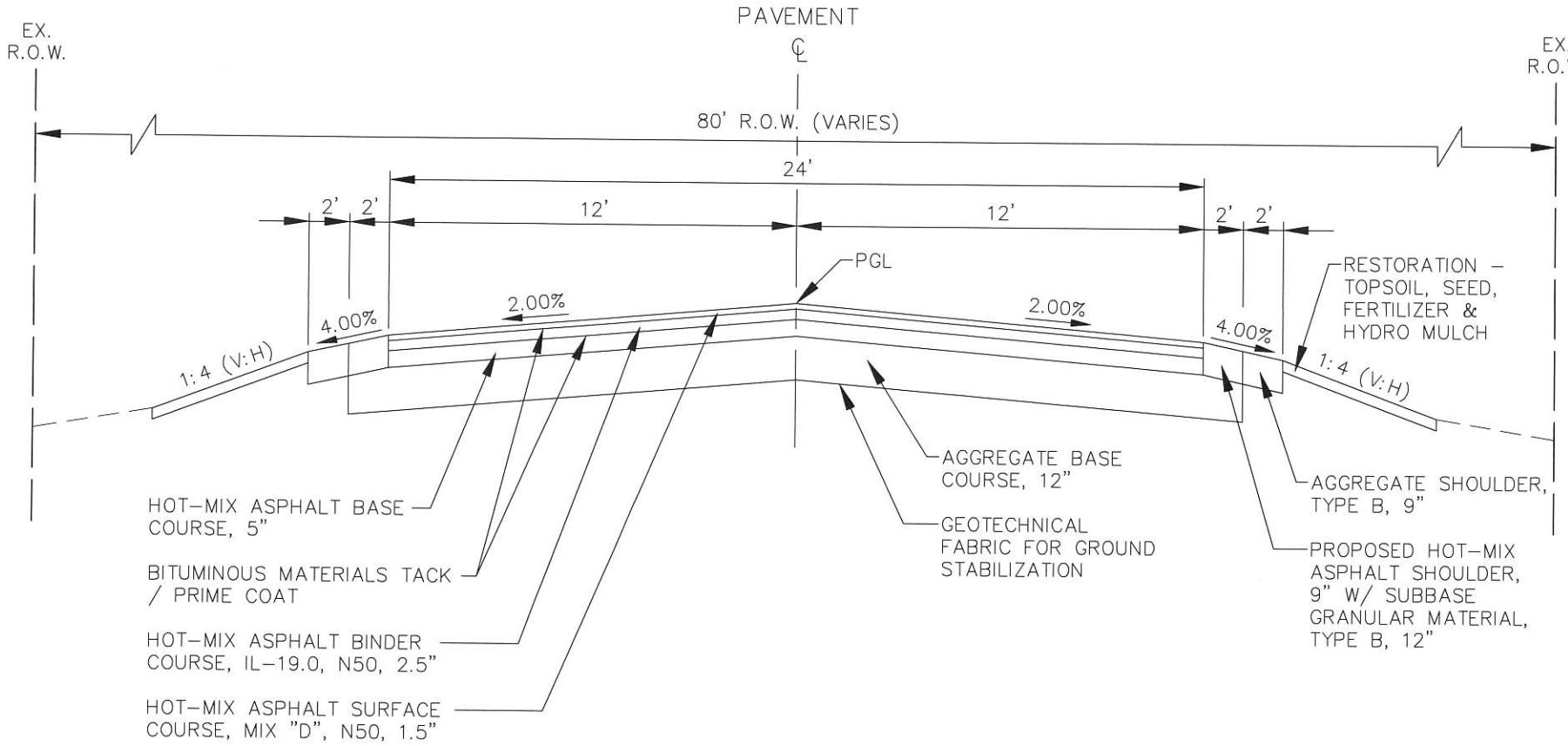
When the City finalizes the contract for construction of the Road Improvements the City shall provide Developer a copy of the final construction contract and an invoice for Developer's share of the anticipated cost to construct the Road Improvements. The invoice shall reflect the contracted cost for construction of the Road Improvements less: i) sums contributed by a third party toward construction of improvements to the same section of roadway; and ii) any costs for which Developer is not responsible (the product of which calculation is the "Developer's Road Cost"). The Developer's Road Cost shall be multiplied by 115% to account for contingencies (the "Pre-Construction Estimate"). Developer shall pay the Pre-construction Estimate to the City within 30 days of the receipt of the invoice therefore.

The City's construction of the Road Improvements shall be "Substantially Complete" upon installation of the binder course. Upon Substantial Completion, the City shall provide Developer an accounting of final costs associated with its construction of the Road Improvements (the "Final Accounting"). The Final Accounting shall include 115% of the cost to be incurred for the installation of the final surface course. If the Final Accounting, including the 115% for the cost for the final surface course, shows that the Pre-Construction Estimate paid by Developer was greater than the actual costs incurred by the City for the Developer was responsible, then the City shall reimburse Developer the difference. If the Final Accounting shows that the Pre-Construction Estimate paid by Developer was less than the actual costs incurred by the City for which Developer was responsible, then the City shall issue a final invoice reflecting the balance due from Developer and Developer shall remit payment therefore within thirty days.

(c) Eldamain Road. Eldamain Road is under the jurisdiction of Kendall County. Developer shall secure a permit from Kendall County for the construction of necessary road improvements at the intersection of Eldamain Road and the primary entrance to the Subject Property. Said road improvements to be permitted by Kendall County shall be constructed pursuant to the schedule required by Kendall County. The City anticipates that the County will required a traffic impact study to permit the access off Eldamain. In the event that a traffic impact study is required, Developer shall provide the City a courtesy copy of the study and any revisions to the study.

3.3 Dedications. The City acknowledges that it has already secured necessary and appropriate right-of-way dedications associated with the development of the Subject Property. The City agrees that it shall not require any additional right-of-way dedications associated with the development of the Subject Property. The City makes no representation with respect to any right-of-way dedication that may be required by Kendall County associated with the improvement of Eldamain Road.

PROPOSED FAXON ROAD AND BEECHER ROAD PAVEMENT SECTION



UNITED CITY OF YORKVILLE
KENDALL COUNTY, ILLINOIS

CROSS SECTION

Engineering Enterprises, Inc.
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 – www.eeiweb.com

SCALE:	DRAWN BY:
NTS	KKP
DATE:	REVISED:
05/23/24	

Exhibit F

PRELIMINARY COST ESTIMATE

JOB NO:	YO2426-DR
DESIGNED:	JHS/CJO
DATE:	July 1, 2024
PROJECT TITLE:	**Faxon Road Reconstruction**

ITEM NO.	ITEM	UNIT	QUANTITY	UNIT PRICE	AMOUNT
1	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SY	175	$ 25.00	$ 4,375.00
2	EARTH EXCAVATION	CY	5,440	$ 40.00	$ 217,600.00
3	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SY	7,510	$ 3.00	$ 22,530.00
4	AGGREGATE BASE COURSE, 12"	SY	7,510	$ 22.00	$ 165,220.00
5	HOT-MIX ASPHALT BASE COURSE, 5"	SY	6,215	$ 30.00	$ 186,450.00
6	BITUMINOUS MATERIALS (PRIME/TACK COAT)	LB	5,595	$ 0.20	$ 1,119.00
7	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	985	$ 90.00	$ 88,650.00
8	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	540	$ 100.00	$ 54,000.00
9	AGGREGATE SHOULDERS, TYPE B, 9"	SY	1,035	$ 20.00	$ 20,700.00
10	HOT-MIX ASPHALT SHOULDERS, 9"	SY	1,035	$ 60.00	$ 62,100.00
11	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	9,300	$ 1.00	$ 9,300.00
12	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	12	$ 8.00	$ 96.00
13	PIPE CULVERT REMOVAL	FOOT	180	$ 40.00	$ 7,200.00
14	PIPE CULVERTS, CLASS C, TYPE 1, 12"	FOOT	180	$ 100.00	$ 18,000.00
15	AGGREGATE SUBGRADE IMPROVEMENT	CY	605	$ 40.00	$ 24,200.00
16	RESTORATION	SY	6,215	$ 15.00	$ 93,225.00
17	GRADING AND SHAPING DITCHES	FOOT	4,660	$ 10.00	$ 46,600.00
18	GUARDRAIL REMOVAL AND REPLACEMENT	FOOT	45	$ 110.00	$ 4,950.00
19	SIGN PANEL ASSEMBLY REMOVAL AND REPLACEMENT	EACH	3	$ 400.00	$ 1,200.00
20	RELOCATE EXISTING MAILBOX	EACH	2	$ 750.00	$ 1,500.00
21	TRAFFIC CONTROL AND PROTECTION	L SUM	1	$ 30,000.00	$ 30,000.00
22	MOBILIZATION	L SUM	1	$ 75,000.00	$ 75,000.00
23	ELDAMAIN ROAD INTERSECTION IMPROVEMENTS	L SUM	1	$ 300,000.00	$ 300,000.00

SUBTOTAL	$	1,434,015.00
CONTINGENCY (20%)	$	287,000.00
TOTAL	$	1,721,015.00
DESIGN ENGINEERING	$	172,000.00
CONSTRUCTION ENGINEERING	$	172,000.00
ROW ACQUISITION	$	100,000.00
TOTAL PRELIMINARY COST ESTIMATE	**$**	**2,165,015.00**

Notes:

24' Edge to Edge Pavement, Plus 4' Shoulders (2' Asphalt, 2' Stone)

Grading and Shaping Ditches Accounts for Full Length of Project

Earth Excavation Accounts for Removal of Pavement, Stone, Base, Clay, Etc. to a Depth of 21"

Earth Excavation Includes Removal of Unsuitable Material for Potential Undercuts

Any Fill Material Necessary is Included in the Cost of Earth Excavation

52 Wheeler Road, Sugar Grove, IL 60554 **Tel:** 630 466 6700 **Fax:** 630 466 6701 www.eeiweb.com

PRELIMINARY COST ESTIMATE

JOB NO:	YO2426-DR
DESIGNED:	JHS/CJO
DATE:	July 1, 2024
PROJECT TITLE:	**Beecher Road Reconstruction**

ITEM NO.	ITEM	UNIT	QUANTITY	UNIT PRICE	AMOUNT
1	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SY	110	$ 25.00	$ 2,750.00
2	EARTH EXCAVATION	CY	3,420	$ 40.00	$ 136,800.00
3	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SY	4,725	$ 3.00	$ 14,175.00
4	AGGREGATE BASE COURSE, 12"	SY	4,725	$ 22.00	$ 103,950.00
5	HOT-MIX ASPHALT BASE COURSE, 5"	SY	3,910	$ 30.00	$ 117,300.00
6	BITUMINOUS MATERIALS (PRIME/TACK COAT)	LB	3,520	$ 0.20	$ 704.00
7	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	565	$ 90.00	$ 50,850.00
8	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	340	$ 100.00	$ 34,000.00
9	AGGREGATE SHOULDERS, TYPE B, 9"	SY	655	$ 20.00	$ 13,100.00
10	HOT-MIX ASPHALT SHOULDERS, 9"	SY	655	$ 60.00	$ 39,300.00
11	THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS	SF	125	$ 4.00	$ 500.00
12	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	5,860	$ 1.00	$ 5,860.00
13	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	48	$ 8.00	$ 384.00
14	PIPE CULVERT REMOVAL	FOOT	50	$ 40.00	$ 2,000.00
15	PIPE CULVERTS, CLASS C, TYPE 1, 12"	FOOT	50	$ 100.00	$ 5,000.00
16	AGGREGATE SUBGRADE IMPROVEMENT	CY	380	$ 40.00	$ 15,200.00
17	RESTORATION	SY	3,910	$ 15.00	$ 58,650.00
18	GRADING AND SHAPING DITCHES	FOOT	2,930	$ 10.00	$ 29,300.00
19	SIGN PANEL ASSEMBLY REMOVAL AND REPLACEMENT	EACH	6	$ 400.00	$ 2,400.00
20	RELOCATE EXISTING MAILBOX	EACH	1	$ 750.00	$ 750.00
21	TRAFFIC CONTROL AND PROTECTION	L SUM	1	$ 20,000.00	$ 20,000.00
22	MOBILIZATION	L SUM	1	$ 40,000.00	$ 40,000.00

SUBTOTAL	$	692,973.00
CONTINGENCY (20%)	$	139,000.00
TOTAL	$	831,973.00
DESIGN ENGINEERING	$	83,000.00
CONSTRUCTION ENGINEERING	$	83,000.00
ROW ACQUISITION	$	50,000.00
TOTAL PRELIMINARY COST ESTIMATE	**$**	**1,047,973.00**

Notes:

24' Edge to Edge Pavement, Plus 4' Shoulders (2' Asphalt, 2' Stone)

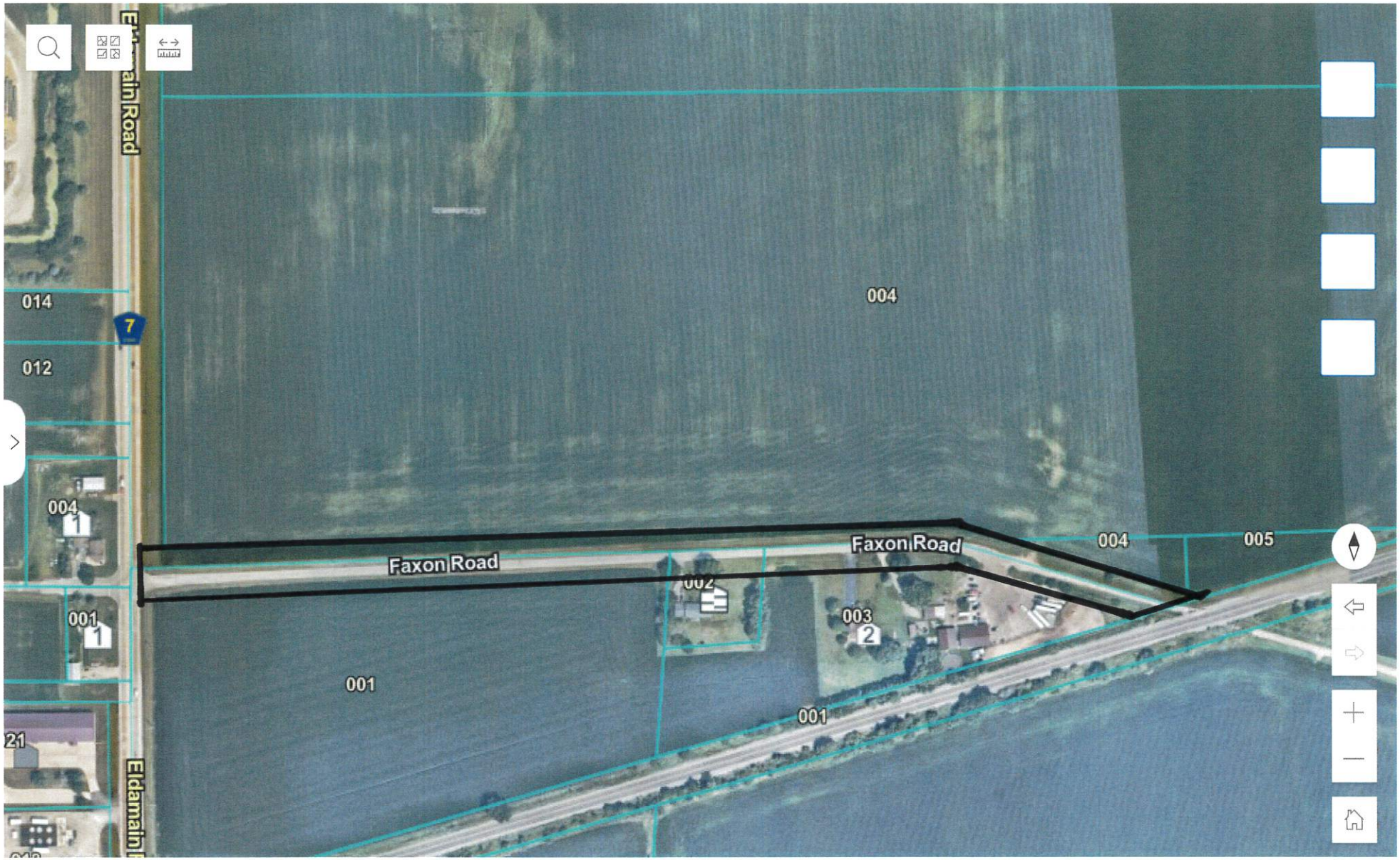
Grading and Shaping Ditches Accounts for Full Length of Project

Earth Excavation Accounts for Removal of Pavement, Stone, Base, Clay, Etc. to a Depth of 21"

Earth Excavation Includes Removal of Unsuitable Material for Potential Undercuts

Any Fill Material Necessary is Included in the Cost of Earth Excavation

52 Wheeler Road, Sugar Grove IL 60554 **Tel:** 630.466.6700 **Fax:** 630.466.6701 www.eeiweb.com



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Reviewed By:	
Legal	☐
Finance	☐
Engineer	■
City Administrator	☐
Community Development	☐
Purchasing	☐
Police	☐
Public Works	■
Parks and Recreation	☐

Agenda Item Number

New Business #3

Tracking Number

PW 2024-68

Agenda Item Summary Memo

Title: Kennedy Road and Freedom Place Intersection Improvements

Meeting and Date: Public Works Committee – August 20, 2024

Synopsis: Kennedy Road and Freedom Place Intersection Improvements – Rejection of Bids

Council Action Previously Taken:

Date of Action: _____ Action Taken: _____

Item Number: _____

Type of Vote Required: Majority

Council Action Requested: Consideration of Bid Rejection

Submitted by: Brad Sanderson (Name) Engineering (Department)

Agenda Item Notes:

Have a question or comment about this agenda item?
Call us Monday-Friday, 8:00am to 4:30pm at 630-553-4350, email us at agendas@yorkville.il.us, post at www.facebook.com/CityofYorkville, tweet us at @CityofYorkville, and/or contact any of your elected officials at http://www.yorkville.il.us/320/City-Council

Memorandum

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

Date: August 13, 2024
Subject: Kennedy Road and Freedom Place Intersection Improvements

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Bids were received, opened, and tabulated for work to be done on the above-referenced project at 10:00 a.m., April 8, 2024. Representatives from the contractors bidding the project and our firm were in attendance.

Since the bids were opened the City has been working to obtain the required right-of-way from Blackberry Oaks Golf Course but has not been successful. Due to not obtaining the right-of-way and the remaining time left in this construction season, we recommend rejecting the bids and bidding this project out again after the right-of-way has been secured.

August 13, 2024

Contractors

Re: Kennedy Road and Freedom Place Intersection Improvements
United City of Yorkville
Kendall County, IL

Contractors:

Bids were received, opened, and tabulated for work to be done on the above-referenced project at 10:00 a.m., April 8, 2024. Representatives from the contractors bidding the project and our firm were in attendance.

Since the bids were opened the City has been working to obtain the required right-of-way from Blackberry Oaks Golf Course but has not been successful.

Due to not obtaining the right-of-way and the remaining time left in this construction season, the bids are hereby rejected. The City plans to re-bid this project after the right-of-way has been secured.

If you have any questions or need additional information, please call.

Respectfully submitted,

ENGINEERING ENTERPRISES, INC.

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

Enclosures
pc: Mr. Bart Olson, City Administrator (via email)
Ms. Erin Willrett, Assistant City Administrator (via email)
Mr. Eric Dhuse, Director of Public Works (via email)
Ms. Jori Behland, City Clerk (via email)
JWC, CJO, - EEI (via email)

BID SUMMARY
KENNEDY ROAD AND FREEDOM PLACE INTERSECTION IMPROVEMENTS
UNITED CITY OF YORKVILLE

BID TABULATION BIDS RECEIVED 10:00 A.M. 04/08/24	**ENGINEER'S ESTIMATE** 52 Wheeler Road Sugar Grove, IL 60554	**GENEVA CONSTRUCTION** 1350 Aurora Ave Aurora, IL 60505	**D CONSTRUCTION** 1488 S. Broadway Coal City, IL 60416	**BUILDERS PAVING, LLC** 4413 Roosevelt Road Suite 108 Hillside, IL 60514
TOTAL BID	$724,707.65	$592,433.83	$567,530.89	$682,000.88
BID BOND	N/A	X	X	X
SIGNED BID	N/A	X	X	X
	CURRAN CONTRACTING CO. 286 Memorial Court Crystal Lake, IL 60014			
TOTAL BID	$684,376.38			
BID BOND	X			
SIGNED BID	X			

Engineering Enterprises, Inc.

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BID TABULATION
KENNEDY ROAD AND FREEDOM PLACE INTERSECTION IMPROVEMENTS
UNITED CITY OF YORKVILLE

				BID TABULATION BIDS REC'D 4/8/2024		**D CONSTRUCTION** 1488 S. Broadway Coal City, IL 60416		**GENEVA CONSTRUCTION** 1350 Aurora Ave Aurora, IL 60505		**BUILDERS PAVING, LLC** 4413 Roosevelt Road Suite 108 Hillside, IL 60514		**CURRAN CONTRACTING CO.** 286 Memorial Court Crystal Lake, IL 60014		**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
1	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	326	$ 26.40	$ 8,606.40	$ 22.75	$ 7,416.50	$ 22.75	$ 7,416.50	$ 24.00	$ 7,824.00	$ 40.00	$ 13,040.00
2	NITROGEN FERTILIZER NUTRIENT	POUND	69	$ 2.20	$ 151.80	$ 3.00	$ 207.00	$ 2.00	$ 138.00	$ 3.00	$ 207.00	$ 3.00	$ 207.00
3	PHOSPHORUS FERTILIZER NUTRIENT	POUND	69	$ 2.20	$ 151.80	$ 3.00	$ 207.00	$ 2.00	$ 138.00	$ 3.00	$ 207.00	$ 3.00	$ 207.00
4	POTASSIUM FERTILIZER NUTRIENT	POUND	69	$ 2.20	$ 151.80	$ 3.00	$ 207.00	$ 2.00	$ 138.00	$ 3.00	$ 207.00	$ 3.00	$ 207.00
5	EARTH EXCAVATION	CU YD	465	$ 40.00	$ 18,600.00	$ 55.00	$ 25,575.00	$ 80.00	$ 37,200.00	$ 85.00	$ 39,525.00	$ 70.00	$ 32,550.00
6	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	832	$ 40.00	$ 33,280.00	$ 50.00	$ 41,600.00	$ 55.00	$ 45,760.00	$ 40.00	$ 33,280.00	$ 50.00	$ 41,600.00
7	POROUS GRANULAR EMBANKMENT	CU YD	465	$ 50.00	$ 23,250.00	$ 55.00	$ 25,575.00	$ 35.00	$ 16,275.00	$ 60.00	$ 27,900.00	$ 75.00	$ 34,875.00
8	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	2,046	$ 3.00	$ 6,138.00	$ 2.00	$ 4,092.00	$ 2.00	$ 4,092.00	$ 1.25	$ 2,557.50	$ 3.00	$ 6,138.00
9	TOPSOIL FURNISH AND PLACE, 8"	SQ YD	3,722	$ 12.10	$ 45,036.20	$ 10.74	$ 39,974.28	$ 11.00	$ 40,942.00	$ 6.00	$ 22,332.00	$ 15.00	$ 55,830.00
10	SEEDING, CLASS 2A	ACRE	0.8	$ 2,662.00	$ 2,129.60	$ 4,500.00	$ 3,600.00	$ 3,611.00	$ 2,888.80	$ 4,500.00	$ 3,600.00	$ 6,000.00	$ 4,800.00
11	EROSION CONTROL BLANKET	SQ YD	3,399	$ 2.75	$ 9,347.25	$ 3.25	$ 11,046.75	$ 1.50	$ 5,098.50	$ 3.55	$ 12,066.45	$ 2.00	$ 6,798.00
12	TURF REINFORCEMENT MAT	SQ YD	323	$ 6.60	$ 2,131.80	$ 8.50	$ 2,745.50	$ 4.50	$ 1,453.50	$ 9.00	$ 2,907.00	$ 15.00	$ 4,845.00
13	TEMPORARY EROSION CONTROL SEEDING	POUND	77	$ 11.00	$ 847.00	$ 3.00	$ 231.00	$ 6.00	$ 462.00	$ 3.00	$ 231.00	$ 6.50	$ 500.50
14	TEMPORARY DITCH CHECKS	FOOT	210	$ 19.80	$ 4,158.00	$ 12.00	$ 2,520.00	$ 8.00	$ 1,680.00	$ 12.00	$ 2,520.00	$ 20.00	$ 4,200.00
15	PERIMETER EROSION BARRIER	FOOT	2,435	$ 2.75	$ 6,696.25	$ 3.00	$ 7,305.00	$ 2.00	$ 4,870.00	$ 3.00	$ 7,305.00	$ 5.00	$ 12,175.00
16	INLET AND PIPE PROTECTION	EACH	8	$ 198.00	$ 1,584.00	$ 210.00	$ 1,680.00	$ 250.00	$ 2,000.00	$ 210.00	$ 1,680.00	$ 275.00	$ 2,200.00
17	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	1,486	$ 17.00	$ 25,262.00	$ 23.07	$ 34,282.02	$ 26.00	$ 38,636.00	$ 35.00	$ 52,010.00	$ 25.00	$ 37,150.00
18	SUBBASE GRANULAR MATERIAL, TYPE B 6"	SQ YD	560	$ 12.00	$ 6,720.00	$ 12.00	$ 6,720.00	$ 18.00	$ 10,080.00	$ 15.00	$ 8,400.00	$ 11.00	$ 6,160.00
19	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	1,486	$ 26.00	$ 38,636.00	$ 38.00	$ 56,468.00	$ 30.00	$ 44,580.00	$ 45.00	$ 66,870.00	$ 55.00	$ 81,730.00
20	BITUMINOUS MATERIALS (TACK COAT)	POUND	3,443	$ 0.01	$ 34.43	$ 0.01	$ 34.43	$ 0.01	$ 34.43	$ 0.01	$ 34.43	$ 0.75	$ 2,582.25
21	LONGITUDINAL JOINT SEALANT	FOOT	3,388	$ 7.70	$ 26,087.60	$ 4.00	$ 13,552.00	$ 3.75	$ 12,705.00	$ 3.75	$ 12,705.00	$ 4.00	$ 13,552.00
22	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	41	$ 0.01	$ 0.41	$ 32.00	$ 1,312.00	$ 35.00	$ 1,435.00	$ 21.00	$ 861.00	$ 30.00	$ 1,230.00
23	HOT-MIX ASPHALT BINDER COURSE, IL- 9.5, N50	TON	450	$ 75.00	$ 33,750.00	$ 100.00	$ 45,000.00	$ 125.00	$ 56,250.00	$ 100.00	$ 45,000.00	$ 80.00	$ 36,000.00
24	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	520	$ 85.00	$ 44,200.00	$ 100.00	$ 52,000.00	$ 140.00	$ 72,800.00	$ 85.00	$ 44,200.00	$ 85.00	$ 44,200.00
25	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	318	$ 20.00	$ 6,360.00	$ 15.00	$ 4,770.00	$ 23.00	$ 7,314.00	$ 23.00	$ 7,314.00	$ 16.00	$ 5,088.00
26	DETECTABLE WARNINGS	SQ FT	48	$ 50.00	$ 2,400.00	$ 45.00	$ 2,160.00	$ 40.00	$ 1,920.00	$ 40.00	$ 1,920.00	$ 45.00	$ 2,160.00
27	PAVEMENT REMOVAL	SQ YD	168	$ 20.00	$ 3,360.00	$ 20.00	$ 3,360.00	$ 61.00	$ 10,248.00	$ 60.00	$ 10,080.00	$ 40.00	$ 6,720.00
28	DRIVEWAY PAVEMENT REMOVAL	SQ YD	278	$ 20.00	$ 5,560.00	$ 11.35	$ 3,155.30	$ 12.00	$ 3,336.00	$ 17.00	$ 4,726.00	$ 20.00	$ 5,560.00
29	COMBINATION CURB AND GUTTER REMOVAL	FOOT	168	$ 10.00	$ 1,680.00	$ 8.00	$ 1,344.00	$ 25.00	$ 4,200.00	$ 16.00	$ 2,688.00	$ 13.00	$ 2,184.00
30	SIDEWALK REMOVAL	SQ FT	301	$ 5.00	$ 1,505.00	$ 1.50	$ 451.50	$ 6.00	$ 1,806.00	$ 3.50	$ 1,053.50	$ 5.00	$ 1,505.00
31	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	828	$ 9.00	$ 7,452.00	$ 22.00	$ 18,216.00	$ 11.50	$ 9,522.00	$ 17.00	$ 14,076.00	$ 15.00	$ 12,420.00
32	PIPE CULVERT REMOVAL	FOOT	33	$ 20.00	$ 660.00	$ 43.00	$ 1,419.00	$ 135.00	$ 4,455.00	$ 200.00	$ 6,600.00	$ 40.00	$ 1,320.00

Engineering Enterprises, Inc.

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BID TABULATION
KENNEDY ROAD AND FREEDOM PLACE INTERSECTION IMPROVEMENTS
UNITED CITY OF YORKVILLE

			BID TABULATION BIDS REC'D 4/8/2024		**D CONSTRUCTION** 1488 S. Broadway Coal City, IL 60416		**GENEVA CONSTRUCTION** 1350 Aurora Ave Aurora, IL 60505		**BUILDERS PAVING, LLC** 4413 Roosevelt Road Suite 108 Hillside, IL 60514		**CURRAN CONTRACTING CO.** 286 Memorial Court Crystal Lake, IL 60014		**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
33	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1	$	2,000.00	$ 2,000.00	$ 1,795.00	$ 1,795.00	$ 2,700.00	$ 2,700.00	$ 4,000.00	$ 4,000.00	$ 1,500.00	$ 1,500.00
34	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	495	$	80.00	$ 39,600.00	$ 97.00	$ 48,015.00	$ 47.00	$ 23,265.00	$ 70.00	$ 34,650.00	$ 90.00	$ 44,550.00
35	STORM SEWERS, CLASS B, TYPE 1 6"	FOOT	20	$	100.00	$ 2,000.00	$ 51.00	$ 1,020.00	$ 115.00	$ 2,300.00	$ 170.00	$ 3,400.00	$ 75.00	$ 1,500.00
36	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	1	$	500.00	$ 500.00	$ 560.00	$ 560.00	$ 1,100.00	$ 1,100.00	$ 1,650.00	$ 1,650.00	$ 800.00	$ 800.00
37	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	$	4,000.00	$ 4,000.00	$ 3,315.00	$ 3,315.00	$ 8,500.00	$ 8,500.00	$ 13,000.00	$ 13,000.00	$ 7,500.00	$ 7,500.00
38	INLETS, TYPE A, TYPE 8 GRATE	EACH	3	$	2,000.00	$ 6,000.00	$ 2,406.00	$ 7,218.00	$ 2,100.00	$ 6,300.00	$ 3,100.00	$ 9,300.00	$ 2,000.00	$ 6,000.00
39	INLETS TO BE ADJUSTED	EACH	2	$	1,000.00	$ 2,000.00	$ 636.00	$ 1,272.00	$ 1,050.00	$ 2,100.00	$ 1,555.00	$ 3,110.00	$ 1,200.00	$ 2,400.00
40	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	198	$	40.00	$ 7,920.00	$ 50.00	$ 9,900.00	$ 60.00	$ 11,880.00	$ 58.65	$ 11,612.70	$ 55.00	$ 10,890.00
41	SHORT TERM PAVEMENT MARKING	FOOT	1,156	$	0.01	$ 11.56	$ 1.15	$ 1,329.40	$ 1.00	$ 1,156.00	$ 0.35	$ 404.60	$ 1.00	$ 1,156.00
42	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	249	$	0.01	$ 2.49	$ 1.75	$ 435.75	$ 5.00	$ 1,245.00	$ 2.50	$ 622.50	$ 4.00	$ 996.00
43	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	2,190	$	0.01	$ 21.90	$ 0.50	$ 1,095.00	$ 0.85	$ 1,861.50	$ 0.10	$ 219.00	$ 1.75	$ 3,832.50
44	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	78	$	5.50	$ 429.00	$ 6.00	$ 468.00	$ 5.00	$ 390.00	$ 5.00	$ 390.00	$ 6.50	$ 507.00
45	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	6,129	$	1.00	$ 6,129.00	$ 1.00	$ 6,129.00	$ 0.90	$ 5,516.10	$ 0.90	$ 5,516.10	$ 1.60	$ 9,806.40
46	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	473	$	1.22	$ 577.06	$ 1.50	$ 709.50	$ 1.10	$ 520.30	$ 1.10	$ 520.30	$ 2.50	$ 1,182.50
47	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	831	$	3.30	$ 2,742.30	$ 3.00	$ 2,493.00	$ 3.00	$ 2,493.00	$ 3.00	$ 2,493.00	$ 3.50	$ 2,908.50
48	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	22	$	6.60	$ 145.20	$ 6.00	$ 132.00	$ 6.00	$ 132.00	$ 6.00	$ 132.00	$ 6.00	$ 132.00
49	REMOVE EXISTING FLARED END SECTION	EACH	1	$	1,000.00	$ 1,000.00	$ 295.00	$ 295.00	$ 710.00	$ 710.00	$ 1,050.00	$ 1,050.00	$ 400.00	$ 400.00
50	BIKE PATH REMOVAL	SQ YD	571	$	20.00	$ 11,420.00	$ 6.00	$ 3,426.00	$ 17.50	$ 9,992.50	$ 8.50	$ 4,853.50	$ 15.00	$ 8,565.00
51	TRIAXIAL GEOGRID REINFORCEMENT, TYPE I	SQ YD	1,486	$	8.00	$ 11,888.00	$ 7.65	$ 11,367.90	$ 5.00	$ 7,430.00	$ 3.00	$ 4,458.00	$ 6.00	$ 8,916.00
52	PARTIAL DEPTH PATCHING (SPECIAL)	SQ YD	150	$	100.00	$ 15,000.00	$ 70.50	$ 10,575.00	$ 65.00	$ 9,750.00	$ 85.00	$ 12,750.00	$ 85.00	$ 12,750.00
53	EXPLORATION TRENCH, SPECIAL	FOOT	100	$	50.00	$ 5,000.00	$ 25.00	$ 2,500.00	$ 100.00	$ 10,000.00	$ 50.00	$ 5,000.00	$ 80.00	$ 8,000.00
54	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	2	$	500.00	$ 1,000.00	$ 400.00	$ 800.00	$ 250.00	$ 500.00	$ 555.00	$ 1,110.00	$ 1,200.00	$ 2,400.00
55	TEMPORARY ACCESS (ROAD)	EACH	1	$	1,000.00	$ 1,000.00	$ 300.00	$ 300.00	$ 500.00	$ 500.00	$ 775.00	$ 775.00	$ 1,500.00	$ 1,500.00
56	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	3,612	$	5.42	$ 19,577.04	$ 6.00	$ 21,672.00	$ 5.50	$ 19,866.00	$ 4.15	$ 14,989.80	$ 6.00	$ 21,672.00
57	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	$	30,000.00	$ 30,000.00	$ 8,000.00	$ 8,000.00	$ 74,830.75	$ 74,830.75	$ 80,000.00	$ 80,000.00	$ 50,000.00	$ 50,000.00
57	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	730	$	5.00	$ 3,650.00	$ 1.50	$ 1,095.00	$ 1.00	$ 730.00	$ 0.10	$ 73.00	$ 2.00	$ 1,460.00
58	RELOCATE SIGN PANEL AND POST	EACH	5	$	200.00	$ 1,000.00	$ 260.00	$ 1,300.00	$ 200.00	$ 1,000.00	$ 150.00	$ 750.00	$ 400.00	$ 2,000.00
59	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
60	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 2"	SQ YD	233	$	30.00	$ 6,990.00	$ 30.00	$ 6,990.00	$ 23.00	$ 5,359.00	$ 20.00	$ 4,660.00	$ 50.00	$ 11,650.00
	TOTAL BID (Items 1 - 60)					**$ 567,530.89**		**$ 592,433.83**		**$ 682,000.88**		**$ 684,376.38**		**$ 724,707.65**
	% BELOW/ABOVE ENGINEER'S ESTIMATE					-21.69%		-18.25%		-5.89%		-5.57%		

ENGINEERING ENTERPRISES, INC.
52 WHEELER ROAD, SUGAR GROVE, ILLINOIS

Reviewed By:	
Legal	☐
Finance	■
Engineer	☐
City Administrator	■
Community Development	☐
Purchasing	☐
Police	☐
Public Works	■
Parks and Recreation	☐

Agenda Item Number

New Business #4

Tracking Number

PW 2024-69

Agenda Item Summary Memo

Title: DWC / Lake Michigan Water Sourcing Projects Costs Summary Through August 2024

Meeting and Date: Public Works Committee – August 20, 2024

Synopsis:

Council Action Previously Taken:

Date of Action: _____ Action Taken: _____

Item Number: _____

Type of Vote Required: Informational

Council Action Requested: None

Submitted by: Rob Fredrickson (Name) Finance (Department)

Agenda Item Notes:

Have a question or comment about this agenda item?
Call us Monday-Friday, 8:00am to 4:30pm at 630-553-4350, email us at agendas@yorkville.il.us, post at www.facebook.com/CityofYorkville, tweet us at @CityofYorkville, and/or contact any of your elected officials at http://www.yorkville.il.us/320/City-Council

DuPage Water Commission / Lake Michigan Water Sourcing Projects Costs Summary (thru August 2024)

Project Component	Account Number Description	Fiscal Year	Vendor	Amount Completed	Contractual Amount	% Completed	$ Amount Remaining	Notes
Lake Michigan - WIFIA LOI	51-510-60-00-6011 Water Sourcing - DWC	2023 - 2024	Engineering Enterprises, Inc	$30,000	$30,000	100.00%	-	Project completed - Letter of Interest (LOI) was submitted to EPA in August 2023. LOI was accepted in September 2023, and the City was formally invited t apply for a WIFIA Loan by the EPA.
Lake Michigan Allocation Permit Application	51-510-60-00-6011 Water Sourcing - DWC	2022 - 2024	Engineering Enterprises, Inc	$97,624	$97,624	100.00%	-	Allocation permit received, project completed.
Lake Michigan Connection	51-510-60-00-6011 Water Sourcing - DWC	2023 - 2024	Engineering Enterprises, Inc	$164,717	$153,958	106.99%	-	Part of Phase 1 engineering - includes water supply investigations and IEPA project review, planning and coordination activities totaling $10,759 - which were not included in the original contract. Completed in June 2024.
Lake Michigan - WIFIA Loan Application	51-510-60-00-6011 Water Sourcing - DWC	2024 - 2025	Engineering Enterprises, Inc	$62,875	$84,066	74.79%	$21,191	WIFIA Loan documents approved by City Council on August 13, 2024. Loan documents will be submitted to EPA by the end of August 2024.
DWC Transmission Main	51-510-60-00-6011 Water Sourcing - DWC	2024 - 2025	Engineering Enterprises, Inc	$34,430	n/a	-	-	This item is billed as part of EEI's base contract and includes preliminary engineering coordination between EEI and the DWC. Preliminary engineering scheduled for completion in February 2025.
Water Audit and Non-Revenue Water Reduction	51-510-60-00-6011 Water Sourcing - DWC	2023 - 2025	Engineering Enterprises, Inc	$24,799	$40,000	62.00%	$15,201	Ongoing annual expenditure, required by IDNR. City's water loss must be under 10% before tapping on to Lake Michigan water. Currently at 12%.
Lake Michigan Connection - Corrosion Control Study	51-510-60-00-6011 Water Sourcing - DWC	2024 - 2025	Engineering Enterprises, Inc	$11,096	n/a	-	-	This is required for the connection to Lake Michigan Water. Corrosion control costs being incurred by Oswego and will be billed in a separate line-item. This is for EEI's coordination with that study, which is being billed as part of their base contract.
General Lake Michigan / DWC Coordination	01-640-54-00-5465 Engineering Services	2022 - 2025	Engineering Enterprises, Inc	$39,687	n/a	-	-	EEI coordination with DWC - billed as part of EEI's base contract.
Design Engineering - Phase I & Partial Phase II	51-510-60-00-6011 Water Sourcing - DWC	2024	DuPage Water Commission	$1,410,000	$1,410,000	100.00%	-	Phase I and partial Phase II preliminary design engineering deposits - per Intergovernmental Agreement between Yorkville, Montgomery, Oswego and DWC - Resolution 2023-21 - approved by City Council on June 27, 2023.
General Engineering - Phase II	51-510-60-00-6011 Water Sourcing - DWC	2024 - 2025	DuPage Water Commission	$2,588,000	$6,652,300	38.90%	$4,064,300	Phase II engineering deposits - per Intergovernmental Agreement between Yorkville, Montgomery, Oswego and DWC - Resolution 2024-13 - approved by C Council on March 12, 2024.
Water Distribution System Leak Survey	51-510-54-00-5465 Engineering Services	2024 - ongoing	M.E. Simpson, Inc.	$31,771	$31,771	100.00%	-	Annual water leak detection survey - will be ongoing. The 2023 survey has been completed. The contract for the 2024 ($40,560), 2025 ($40,560) and 2026 ($41,340) leak detection survey's were approved by City Council on April 23, 2024.
Bluestem Water Main Improvements	51-510-60-00-6011 Water Sourcing - DWC	2025	Engineering Enterprises, Inc	-	$56,985	-	$56,985	Design engineering contract approved by City Council on May 28, 2024. Internal upgrade to the water system to improve waterflow - will replace a section of 8" main on Bluestem, from Prairie Rose to McHugh, with 16" main. Design work is scheduled for completion by April 2025.
Land Acquisition Consulting Services	51-510-60-00-6011 Water Sourcing - DWC	2025	Mathewson Right of Way Company	-	$162,250	-	$162,250	Consulting for Federal land acquisition process, in order to maintain WIFIA Loan eligibility.
Water Rate Study	51-510-60-00-6011 Water Sourcing - DWC	2025	Engineering Enterprises, Inc	-	$89,833	-	$89,833	Water Rate Study - approved by City Council on May 28, 2024. Study will serve as the basis for a multi-year water rate plan, which must be approved by City Council prior to closing on the WIFIA Loan. The rate study is scheduled to be completed in December 2024.
South Receiving Station	51-510-60-00-6011 Water Sourcing - DWC	2025	Engineering Enterprises, Inc	-	$269,743	-	$269,743	Design engineering contract approved by City Council on June 25, 2024 and includes $30,000 for land acquisition costs. Receiving Station will be the southern connection point to the DWC main and will include a receiving station building and a booster pump station. Design work is scheduled for completion by April 2025.
North Receiving Station	51-510-60-00-6011 Water Sourcing - DWC	2025	Engineering Enterprises, Inc	-	$279,368	-	$279,368	Design engineering contract approved by City Council on June 25, 2024. Receiving Station will be the northern connection point to the DWC main and will include a receiving station building and pressure adjusting station (currently holds City-owned water tower & treatment plant). Design work is scheduled for completion by April 2025.
Illinois Route 126 Water Main Improvements	51-510-60-00-6011 Water Sourcing - DWC	2025	Engineering Enterprises, Inc	-	$207,237	-	$207,237	This water main will begin at the South receiving station and end at a point east of Mill Street, along IL Route 126, where it will tie into the water main for the Timber Ridge subdivision. This water main will be a key distribution main to get Lake Michigan water into Yorkville's system in the south central and central pressure zones. Design engineering contract was approved by City Council on July 23, 2024. Design work is scheduled for completion by January 2026.

DuPage Water Commission / Lake Michigan Water Sourcing Projects Costs Summary (thru August 2024)

Project Component	Account Number Description	Fiscal Year	Vendor	Amount Completed	Contractual Amount	% Completed	$ Amount Remaining	Notes
Lake Michigan South Receiving Station Standpipe	51-510-60-00-6011 Water Sourcing - DWC	2025	Engineering Enterprises, Inc	-	$219,034	-	$219,034	The South Receiving Station Standpipe, along with the northwest EWST, will allow the City to store 2-days worth of water, per IDNR requirements. Design engineering contract approved by City Council on July 23, 2024. Design work is scheduled for completion by April 2025.
Northwest Elevated Water Storage Tank	51-510-60-00-6011 Water Sourcing - DWC	2025	Engineering Enterprises, Inc	-	$258,234	-	$258,234	The Northwest Elevated Water Storage Tank, along with the South Receiving Station Standpipe, will allow the City to store 2-days worth of water, per IDNR requirements. Design engineering contract approved by City Council on July 23, 2024. Design work is scheduled for completion by April 2025.
Water Study Costs / Other	51-510-60-00-6011 Water Sourcing - DWC	2025	Village of Oswego	$54,245	n/a	-	-	Ongoing various legal services related to WaterLink and the DWC.
Totals thru August 2024				**$4,549,244**	**$10,042,403**	**45.30%**	**$5,493,159**	

Reviewed By:	
Legal	☐
Finance	☐
Engineer	■
City Administrator	■
Community Development	☐
Purchasing	☐
Police	☐
Public Works	■
Parks and Recreation	☐

Agenda Item Number

New Business #5

Tracking Number

PW 2024-70

Agenda Item Summary Memo

Title: Downtown Railroad / Quiet Zone Study - Engineering Agreement

Meeting and Date: Public Works Committee – August 20, 2024

Synopsis: Please see the attached memo.

Council Action Previously Taken:

Date of Action: _____ Action Taken: _____

Item Number: _____

Type of Vote Required: Majority

Council Action Requested: Approval

Submitted by: Bart Olson (Name) Administration (Department)

Agenda Item Notes:

Have a question or comment about this agenda item?
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Memorandum

To: City Council
From: Bart Olson, City Administrator
CC:
Date: August 14, 2024
Subject: Quiet zones

Summary

Consideration of two engineering agreements with EEI to study the feasibility of and manage the creation of railroad quiet zones.

Background

This item was last discussed by the City Council in October 2023, when the City Council ranked "Quiet Zones" as the 11th City Council goal, tied with "Green Door". Since then, the staff have been discussing quiet zone designs with EEI, who has provided two engineering agreements; one agreement for the more simple BNSF line on the north side of town, and one agreement for the more complex Illinois Railnet line through the downtown.

Of note, EEI's staff has recently completed a few area quiet zones, and informed City staff back in late May that they thought the BNSF line quiet zone could be completed for under $100,000 in total. In past discussions with EEI and elected officials, we assumed a quiet zone on the BNSF line would be significantly more expensive. The Mayor reviewed EEI's proposal for designing and administering the creation of a BNSF quiet zone at a cost of less than $18,000 and recommended we proceed with the study. During spontaneous individual discussions with aldermen, a few had asked the Mayor to consider studying both the BNSF line and Illinois Railnet line at the same time.

EEI has put together a proposal to also study the Illinois Railnet line (downtown). Because there are more crossings than the BNSF line and the crossings are closer together, the formation of a quiet zone is more difficult, expected to be more expensive, and the EEI proposal reflects the complexity. The EEI proposal for the Illinois Railnet line is for $59,866 but is broken up into four phases (A, B, C, and D), whereby the City Council can terminate the contract after a phase if the outcomes appears in doubt. In general, each phase will include:

A) Investigation of existing conditions, meetings with staff and Omnitrax (operator of the Illinois Railnet line), performing traffic counts, analyzing quiet zone risk indices, and making some preliminary recommendations and cost estimates for Quiet Zone improvements.
B) Hosting a public information meeting, coordinating with staff and Omnitrax), and attending a City Council meeting to discuss the public information meeting comments
C) Finalizing quiet zone improvements, hosting a final public meeting, and attending a City Council meeting to discuss final recommendations and cost estimates

D) Completing the Quiet Zone application to the Federal Railroad Administration (FRA), complete traffic counts, prepare notice of intent (NOI), prepare and submit the final notice of establishment

The above phases specifically exclude preparation of bidding documents for any quiet zone improvements and any construction engineering for said improvements.

While these costs were not specifically budgeted, we can absorb them within the City-Wide Capital Fund without a budget amendment.

Recommendation

Staff recommends approval of both quiet zone engineering agreements for the BNSF and Illinois Railnet lines.

Memorandum

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

Date: May 9, 2024
Subject: Quiet Zones

Per your request we have updated the necessary information for the possibility of creating Quiet Zones for the two railway corridors through the City. The two corridors and crossings, are as follows:

IL Railway, Inc. (IR/Illinois Railnet)

Roadway Crossings: Mill Street, Heustis Street, Alley, Bridge Street (IL Route 47), Alley, South Main Street, State Street, Adams Street, Morgan Street, River Birch Lane, Poplar Drive and Hoover Forest Preserve Drive; there are other private crossings east of downtown.

Burlington Northern Santa Fe Railway Company (BNSF)

Roadway Crossings: Mill Road, Kennedy Road, Cannonball Trail and Beecher Road

A summary of the process and requirements for establishing a new 24-Hour Quiet Zone is listed below, along with potential obstacles for establishment of a Quiet Zone for each corridor.

General Requirements:

All crossings must have gates; crossings that only have cross bucks and/or flashing lights are not eligible and must be closed or upgraded as a part of the process.

All crossings must be equipped with Constant Warning Time Detection, Constant Warning Time is required to ensure the gates close in advance of the train at approximately the same time in advance of the train crossing the roadway, regardless of train speed.

Improvements to the corridor must be made to account for the loss of the train horn. To qualify, the implemented improvements must lower the risk of the Quiet Zone (Quiet Zone Risk Index, or QZRI) to a value lower than the risk of the corridor if the horns were sounded (Risk Index With Horns, or RIWH), or a value lower than the Nationwide Significant Risk Threshold (NSRT).

Methods of Safety Improvement:

The approved Supplemental Safety Measures (SSMs) are:

- **Four Quadrant Gate System**
- **Medians/Channelization Devices**
- **Conversion to One-Way Streets**
- **Permanent Closure of Crossings**

Process:

Preliminary:
The process for establishment requires preliminary investigation to determine the existing characteristics of the corridor, including the spacing between crossings, the number of private crossings within the proposed corridor and assessing the feasibility of moving on to the diagnostic stage.

Diagnostic Meeting:
A meeting scheduled with the Illinois Commerce Commission (ICC), the Federal Railroad Administration (FRA), the local agency (and any other agency adjacent jurisdictional agencies) and the operating railroad. Each crossing is reviewed to determine the appropriate safety measures.

Notice of Intent (NOI):
Based on the Diagnostic Team findings (assuming the Quiet Zone is feasible) a Notice of Intent to create a Quiet Zone is submitted parties those that attended the Diagnostic Meeting and other parties as stipulated by law, including the Illinois Department of Transportation (IDOT) and other railroads operating on the tracks. There is a 60-day comment period associated with the Notice of Intent.

Application to FRA:
Depending on the scope of the improvements the local agency may be required to submit the intended improvements to the FRA for official approval of the intended safety improvements after the NOI.

Improvements:
Permitting with the railroad, design and construction of the required improvements can begin after the 60-day NOI period and (if required) the approval of the application by the FRA. Depending on the improvements required, this process can take as little as one month for signage installation, up to 12-24 months if four-quadrants gates are to be installed. At a minimum, "No Train Horn" signs must be posted at each crossing.

Notice of Establishment:
Upon completion of the improvements, a Notice of Establishment, specifying the date when the Quiet Zone will become effective, must be distributed to all the parties included in the NOI.

United City of Yorkville - IL Railnet Quiet Zone

Background:

Not all of these crossings have gates, nor do they all have the proper train detection (Constant Warning Time). The cost of gate installations at each crossing is approximately $350,000, but that value could vary greatly (up to $600,000 per crossing) depending on the improvements required. This work must be completed by ILRailnet and funded by the City.

Potential:

Funding for the upgrades is available through the Illinois Grade Crossing Protection Fund (GCPF). If the project is selected, an 85% to 95% contribution (through reimbursement) is available to install automatic flashing light signals and gates at an existing public crossing currently not equipped with automatic warning devices. There is also an incentive payment

available to local agencies for the voluntary closure of public highway-rail grade crossings. Voluntary closing of crossings can generate $50,000-70,000 per crossings based on roadways Average Annual Daily Traffic (AADT).

The City can apply for funding by filling out the form on the ICC website and submitting it to the ICC. The railroad crossings are graded on the relative safety of the existing crossing, the volume and types of existing train, the existing AADT and the geographic region of the crossing. From preliminary discussions with the ICC, voluntary closure of roadways in the corridor would be favorable for the application. Crossing closures are also some of the least expensive methods for Quiet Zone implementation and lowering the Quiet Zone Risk Index (QZRI).

There appear to be 10 public crossings in this corridor that will need to be either upgraded or closed. The cost implications to the City will depend on a number of variables including which crossings could be closed, the required costs of each crossing to bring them into compliance, and the contribution determined by the ICC if the project is selected. Closures are beneficial to the application process, plus the incentive dollars would provide an offset to the City's share of the automatic flashing light costs. It would appear that closing multiple crossings would provide a substantial cost savings to the City.

The engineering study would need to begin in order to assess the feasibility of the Quiet Zone and determine what combination of closures/upgrades would result in an acceptable local share cost to the City.

United City of Yorkville - Burlington Northern Santa Fe Quiet Zone

Background:

Three of the crossings are within the City limits, with a fourth crossing (Cannonball Trail) located in unincorporated Bristol Township. Kendall County currently has a Quiet Zone Study underway to install a Quiet Zone at Cannonball Trail.

Potential:
Given the fact that gates and constant warning time are both present at all the crossings, installation of SSMs (likely medians or channelization devices) would be required to qualify for a Quiet Zone.

Based upon some quick due diligence and without detailed calculations, we believe that the project could be economically implemented with flexible delineators only. The delineators would be about **$75,000 total for all three crossings** (100' in each direction at all 3 crossings) and could be installed by the City.

The approximate cost for the full BNSF Engineering Study is $25,000. A full detailed scope and level of effort would be prepared to confirm the study cost and will be provided to the City for review. Typically the proposed method of payment is split between three phases. If at any point in time the City elects to not move forward with the Quiet Zone, or if the Quiet Zone does not qualify, only the completed phases will be billed. The cost of the study only covers the costs associated with implementing the Quiet Zone. This study does not include the preparation of any construction documents or design engineering, as the scope of the potential improvements is currently unknown.

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

Engineering Enterprises, Inc. CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 (630) 466-6700 / www.eeiweb.con	**United City of Yorkville** 800 Game Farm Road Yorkville, IL 60560 (630) 553-4350 http://www.yorkville.il.us	NO.	DATE	REVISIONS	DATE: OCTOBER 2014 PROJECT NO.: YO1439 PATH: H:/GIS/PUBLIC/YORKVILLE/2014/ FILE: YO1439_LOCATION2.MXD	**QUIET ZONE INITIATIVE** UNITED CITY OF YORKVILLE KENDALL COUNTY, ILLINOIS	**LOCATION MAP** **BNSF RAILROAD**

NORTH

MORGAN STREET
ADAMS STREET
STATE STREET
MAIN STREET
HEUSTIS STREET
MILL STREET
IL 47 (BRIDGE STREET)
ALLEY (WEST OF IL 47)
ALLEY (EAST OF IL 47)

RIVER BIRCH LANE

POPLAR DRIVE

HOOVER FOREST
PRESERVE - PRIVATE

River
Somonauk
Park
Tower
Bristol
Spring
Freemont
McHugh
Wacker
Teri
West
King
Church
Bridge
Center
Colton
Main
Liberty
Sanders
Woodworth
Bruell
Oakwood
Behrens
Johnson
Worsley
Gawne
River Birch
Hydraulic
Illinois Railway RR
Hydraulic
Adams
State
Main
Madison
Morgan
Ridge
Main
Jefferson
Bell
Heustis
Ridge
Van Emmon
Benjamin
Woodland
Stony Creek
Windham
Tyler Creek
Sharon
Spruce
Fir
White Oak
Norway
Aaron
Kelly
Redhorse
Fox
Foxboro
Windsor
Jamestown
Fox
Mansfield
Maple
Birch
Cedar
Maple
Poplar
Ford
Fox Glen
Washington
Morgan
Adrian
State
Dolph
Dolph
Beecher
Blaine
Orange
Mill
Olsen
Walter
Illini
Elizabeth
Colonial
Schoolhouse
Buhrmaster
Tomasik
Rodak
Dydyna
Bator
Coralberry
Spicebush
Barberry
Walsh
Buckthorn
Beaver
Badger
Deer
Garden
Wooden Bridge

0 800 1,600 Feet

NORTH

Engineering Enterprises, Inc. CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 (630) 466-6700 / www.eeiweb.con	**United City of Yorkville** 800 Game Farm Road Yorkville, IL 60560 (630) 553-4350 http://www.yorkville.il.us	NO.	DATE	REVISIONS	DATE: OCTOBER 2014 PROJECT NO.: YO1439 PATH: H:/GIS/PUBLIC/YORKVILLE/2014/ FILE: YO1439_LOCATION1.MXD	**QUIET ZONE INITIATIVE** UNITED CITY OF YORKVILLE KENDALL COUNTY, ILLINOIS	**LOCATION MAP** **ILLINOIS RAILNET**

BNSF Railroad – Quiet Zone Study
United City of Yorkville
Professional Services Agreement – Preliminary 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). Engineering will be in accordance with all City Federal Railroad Administration 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 Engineering will be paid for as a Fixed Fee (FF) in the amount of $17,796. The hourly rates for this project are shown in the attached 2024 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:

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:

Attachment A:	Standard Terms and Conditions
Attachment B:	Scope of Services
Attachment C:	Estimate of Level of Effort and Associated Cost
Attachment D:	Estimated Schedule
Attachment E:	Location Map
Attachment F:	2024 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
651 Prairie Pointe Drive
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 _____, 2024.

United City of Yorkville:

_____
John Purcell
Mayor

_____
Jori Behland
City Clerk

Engineering Enterprises, Inc.:

_____
Brad Sanderson, PE
Chief Operating Officer / President

_____
Angie Smith
Executive Assistant

STANDARD TERMS AND CONDITIONS

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

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

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

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

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

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

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

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

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

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

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

Consequential Damages: Notwithstanding any other provision of this Agreement, and to the fullest extent permitted by law, neither the OWNER nor the ENGINEER, their respective officers, directors, partners, employees, contractors, or subcontractors shall be liable to the other or shall make any claim for any incidental, indirect, or consequential damages arising out of or connected in any way to the Project or to this Agreement. This mutual waiver of consequential damages shall include, but is not limited to, loss of use, loss of

profit, loss of business, loss of income, loss of reputation, or any other consequential damages that either party may have incurred from any cause of action including negligence, strict liability, breach of contract, and breach of strict or implied warranty. Both the OWNER and the ENGINEER shall require similar waivers of consequential damages protecting all the entities or persons named herein in all contracts and subcontracts with others involved in this project.

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

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

(a) Substantial failure by the other party to comply with or perform in accordance with the terms of the Agreement and through no fault of the terminating party;

(b) Assignment of the Agreement or transfer of the project without the prior written consent of the other party;

(c) Suspension of the project or the ENGINEER'S services by the OWNER for a period of greater than ninety (90) calendar days, consecutive or in the aggregate.

(d) Material changes in the conditions under which this Agreement was entered into, the scope of services or the nature of the project, and the failure of the parties to reach agreement on the compensation and schedule adjustments necessitated by such changes.

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.

Fiduciary Duty: Nothing in this Agreement is intended to create, nor shall it be construed to create, a fiduciary duty owed to either party to the other party. EEI makes no warranty, express or implied, as to its professional services rendered.

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.

BNSF Railroad – Quiet Zone Study
United City of Yorkville, IL
Professional Services Agreement – Preliminary Engineering

Attachment B – Scope of Services

PRELIMINARY ENGINEERING:

- Project Management and Coordination
- Preliminary Investigation of Existing Conditions at Each Crossing
  - Mill Street
  - Kennedy Road
  - Cannonball Trail
  - Beecher Road
- Preliminary Quiet Zone Risk Index Calculation
- Schedule Diagnostic Meeting with BNSF & FRA
- Attend Diagnostic Meeting with BNSF & FRA
- Utilize FRA's Quiet Zone Calculator to Determine Required Improvements at Each Crossing
- Analyze the Required Improvements to Determine if Supplemental Safety Measures or Alternate Safety Measures are Required
- Perform Traffic Counts at Each Crossing
- Submit Traffic Counts to IDOT to Obtain New ADT for Notice of Intent Submittal
- Prepare and Submit Notice of Intent (NOI)
- Updated Grade Crossing Inventory Forms for Each Crossing
- Coordinate Improvements with City Staff and Obtain Any Required Permits from BNSF
- Prepare and Submit Notice of Establishment (NOE)

EXCLUSIONS

- No allowance has been made for any public meetings other than the Diagnostic Meeting
- No allowance has been made for an application to the FRA for Alternative Safety Measures. Based on preliminary review it appears that each crossing would allow for Supplemental Safety Measures.

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

CLIENT	PROJECT NUMBER	
United City of Yorkville	YO2432	
PROJECT TITLE	**DATE**	**PREPARED BY**
BNSF Railroad - Quiet Zone Study	6/11/24	CJO

TASK NO.	TASK DESCRIPTION	ROLE	PIC	PM	SPE 1	PE	SPT 2	SPT 1	ADMIN	HOURS	COST
		PERSON									
		RATE	$246	$210	$186	$168	$175	$164	$72		
PRELIMINARY ENGINEERING											
1.1	Project Management and Coordination		2	8						10	$ 2,172
1.2	Preliminary Investigation & Preliminary Risk Index Calculation			4		2				6	$ 1,176
1.3	Diagnostic Meeting with BNSF & FRA		2	8	4	4			2	20	$ 3,732
1.4	Quiet Zone Calculations and Analysis			2		4				6	$ 1,092
1.5	Traffic Counts and Submittal			2		8				10	$ 1,764
1.6	Prepare and Submit Notice of Intent (NOI)		2	8	2	2			2	16	$ 3,024
1.7	Coordination of Improvements with City Staff		2	4		4				10	$ 2,004
1.8	Prepare and Submit Notice of Establishment (NOE)			8	2	2			2	14	$ 2,532
	Insert Task Subtotal:		**8**	**44**	**8**	**26**	**-**	**-**	**6**	92	$ 17,496
	PROJECT TOTAL:		**8**	**44**	**8**	**26**	**-**	**-**	**6**	**92**	**17,496**

EEI STAFF

PIC	Principal In Charage
PM	Project Manager
SPE 1	Senior Project Engineer I
PE	Project Engineer
SPT 2	Senior Project Technician II
SPT 1	Senior Project Technician II
ADMIN	Adminstrative Assistant

DIRECT EXPENSES		
Printing =	$	250
Certified Mailing =	$	50
DIRECT EXPENSES =	**$**	**300**

LABOR SUMMARY		
EEI Labor Expenses =	$	17,496
TOTAL LABOR EXPENSES	**$**	**17,496**

TOTAL COSTS	**$**	**17,796**

ATTACHMENT D: ESTIMATED SCHEDULE

CLIENT	PROJECT NUMBER	
United City of Yorkville	YO2432	
PROJECT TITLE	DATE	PREPARED BY
BNSF Railroad - Quiet Zone Study	6/12/24	CJO

TASK NO.	TASK DESCRIPTION	2024						2025								
		JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1.1	Project Management and Coordination															
1.2	Preliminary Investigation & Preliminary Risk Index Calculation															
1.3	Diagnostic Meeting with BNSF & FRA															
1.4	Quiet Zone Calculations and Analysis															
1.5	Traffic Counts and Submittal															
1.6	Prepare and Submit Notice of Intent (NOI)															
1.7	Coordination of Improvements with City Staff															
1.8	Prepare and Submit Notice of Establishment (NOE)															

52 Wheeler Road Sugar Grove, IL 60554 Tel: 630.466.6700 Fax: 630.466.6701 www.eeiweb.com

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
(630) 466-6700 / www.eeiweb.con

United City of Yorkville
800 Game Farm Road
Yorkville, IL 60560
(630) 553-4350
http://www.yorkville.il.us

NO.	DATE	REVISIONS

DATE: OCTOBER 2014
PROJECT NO.: YO1439
PATH: H:/GIS/PUBLIC/YORKVILLE/2014/
FILE: YO1439_LOCATION2.MXD

QUIET ZONE INITIATIVE
UNITED CITY OF YORKVILLE
KENDALL COUNTY, ILLINOIS

ATTACHMENT E
LOCATION MAP
BNSF RAILROAD

NORTH

Engineering Enterprises, Inc.

STANDARD SCHEDULE OF CHARGES ~ JANUARY 1, 2024

50 Years

EMPLOYEE DESIGNATION	CLASSIFICATION	HOURLY RATE
Senior Principal	E-4	$246.00
Principal	E-3	$241.00
Senior Project Manager	E-2	$234.00
Project Manager	E-1	$210.00
Senior Project Engineer/Surveyor II	P-6	$200.00
Senior Project Engineer/Surveyor I	P-5	$186.00
Project Engineer/Surveyor	P-4	$168.00
Senior Engineer/Surveyor	P-3	$155.00
Engineer/Surveyor	P-2	$140.00
Associate Engineer/Surveyor	P-1	$127.00
Senior Project Technician II	T-6	$175.00
Senior Project Technician I	T-5	$164.00
Project Technician	T-4	$153.00
Senior Technician	T-3	$140.00
Technician	T-2	$127.00
Associate Technician	T-1	$111.00
GIS Technician II	G-2	$125.00
GIS Technician I	G-1	$114.00
Engineering/Land Surveying Intern	I-1	$ 82.00
Executive Administrative Assistant	A-4	$ 77.00
Administrative Assistant	A-3	$ 72.00

VEHICLES. REPROGRAPHICS, DIRECT COSTS, DRONE AND EXPERT TESTIMONY

Vehicle for Construction Observation		$ 20.00
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		$ 225.00
Expert Testimony		$ 275.00

Downtown Railroad – Quiet Zone Study
United City of Yorkville
Professional Services Agreement – Preliminary 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). Engineering will be in accordance with all City Federal Railroad Administration 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 Engineering will be paid for Hourly Rate split between four phases (A, B, C and D). The fee for Phase A is $17,896 and includes items 1-5 in the scope. The fee for Phase B is 15,468 and includes items 6-9 in the scope. The fee for Phase C is 15,924 and includes items 10-13 in the scope. The fee for Phase D is $9,828 and includes items 14-17 in the scope. The direct expenses are estimated at $750. The hourly rates for this project are shown in the attached 2024 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:

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:

Attachment A:	Standard Terms and Conditions
Attachment B:	Scope of Services
Attachment C:	Estimate of Level of Effort and Associated Cost
Attachment D:	Estimated Schedule
Attachment E:	Location Map
Attachment F:	2024 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
651 Prairie Pointe Drive
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 _____, 2024.

United City of Yorkville:

_____
John Purcell
Mayor

_____
Jori Behland
City Clerk

Engineering Enterprises, Inc.:

_____
Brad Sanderson, PE
Chief Operating Officer / President

_____
Angie Smith
Executive Assistant

STANDARD TERMS AND CONDITIONS

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

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

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

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

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

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

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

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

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

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

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

Consequential Damages: Notwithstanding any other provision of this Agreement, and to the fullest extent permitted by law, neither the OWNER nor the ENGINEER, their respective officers, directors, partners, employees, contractors, or subcontractors shall be liable to the other or shall make any claim for any incidental, indirect, or consequential damages arising out of or connected in any way to the Project or to this Agreement. This mutual waiver of consequential damages shall include, but is not limited to, loss of use, loss of

profit, loss of business, loss of income, loss of reputation, or any other consequential damages that either party may have incurred from any cause of action including negligence, strict liability, breach of contract, and breach of strict or implied warranty. Both the OWNER and the ENGINEER shall require similar waivers of consequential damages protecting all the entities or persons named herein in all contracts and subcontracts with others involved in this project.

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

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

(a) Substantial failure by the other party to comply with or perform in accordance with the terms of the Agreement and through no fault of the terminating party;

(b) Assignment of the Agreement or transfer of the project without the prior written consent of the other party;

(c) Suspension of the project or the ENGINEER'S services by the OWNER for a period of greater than ninety (90) calendar days, consecutive or in the aggregate.

(d) Material changes in the conditions under which this Agreement was entered into, the scope of services or the nature of the project, and the failure of the parties to reach agreement on the compensation and schedule adjustments necessitated by such changes.

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.

Fiduciary Duty: Nothing in this Agreement is intended to create, nor shall it be construed to create, a fiduciary duty owed to either party to the other party. EEI makes no warranty, express or implied, as to its professional services rendered.

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.

Downtown Railroad – Quiet Zone Study
United City of Yorkville, IL
Professional Services Agreement – Preliminary Engineering

Attachment B – Scope of Services

PRELIMINARY ENGINEERING:

Phase A

- Preliminary Investigation of Existing Conditions at Each Crossing
  - Hoover Forest Preserve
  - Poplar Drive
  - River Birch Lane
  - Morgan Street
  - Adams Street
  - State Street
  - Main Street
  - Alley West of IL 47
  - IL Route 47
  - Alley East of IL 47
  - Heustis Street
  - Mill Street
- Kick-Off Meeting with City Staff
- Kick-Off Meeting with Omnitrax (Railroad)
- Progress Meeting with Omnitrax
- Perform Traffic Counts at Each Crossing
- Perform Preliminary Quiet Zone Risk Index Calculation
- Determine Preliminary Quiet Zone Improvements

Phase B

- Public Information Meeting to Discuss Preliminary Quiet Zone Options with Public
- Coordination with Omnitrax
- Schedule and Attend Diagnostic Meeting with Omnitrax, ICC & FRA
- Progress Meeting with City Staff
- Attend City Council Meeting to Discuss Public Open House Comments

Phase C

- Utilize FRA's Quiet Zone Calculator to Determine Final Proposed Improvements at Each Crossing
- Public Information Meeting to Discuss Final Recommendations of Quiet Zone Study
- Progress Meeting with City Staff
- Attend City Council Meeting to Discuss Final Recommendations for Quiet Zone

Phase D

- Put Together FRA Application for Use of Alternate Safey Measures (ASMs)
- Submit Traffic Counts to IDOT to Obtain New ADT for Notice of Intent Submittal
- Prepare and Submit Notice of Intent (NOI)
- Updated Grade Crossing Inventory Forms for Each Crossing
- Prepare and Submit Notice of Establishment (NOE)

EXCLUSIONS

- Preparation of Bidding Documents and Plans for Proposed Quiet Zone Improvements
- Construction Engineering Services

The above scope for the “Downtown Railroad – Quiet Zone Study” 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 the base contract and will be billed in accordance with the Standard Schedule of Charges.

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

CLIENT	PROJECT NUMBER	
United City of Yorkville	YO2444-P	
PROJECT TITLE	**DATE**	**PREPARED BY**
Downtown Railroad - Quiet Zone Study	8/13/24	CJO

TASK NO.	TASK DESCRIPTION	ROLE	PIC	PM	SPE 1	PE	SPT 2	SPT 1	ADMIN	HOURS	COST
		PERSON									
		RATE	$246	$210	$186	$168	$175	$164	$72		
PHASE A											
1	Preliminary Investigation of Existing Conditions		2	6	4	4				16	$ 3,168
2	Project Meetings		8	8		8				24	$ 4,992
3	Traffic Counts			4	6	6				16	$ 2,964
4	Preliminary Quiet Zone Risk Index Calculation			2		4				6	$ 1,092
5	Determine Preliminary Quiet Zone Improvements		4	6	6	6		8		30	$ 5,680
PHASE B											
6	Public Information Meeting		4	6		6				16	$ 3,252
7	Railroad Coordination		6	10		6				22	$ 4,584
8	Diagnostic Meeting		2	10	6	6				24	$ 4,716
9	Project Meetings		4	6		4				14	$ 2,916
PHASE C											
10	Public Information Meeting		4	6		6				16	$ 3,252
11	Project Meetings		4	6		4				14	$ 2,916
12	Determine Final Proposed Quiet Zone Improvements		2	4	4	4				14	$ 2,748
13	Prepare and Submit FRA Application		4	12	8	12				36	$ 7,008
PHASE D											
14	Submit Traffic Counts to IDOT			2	2	2				6	$ 1,128
15	Prepare and Submit Notice of Intent (NOI)			8	4	4				16	$ 3,096
16	Update Grade Crossing Inventory Forms			2	2	2				6	$ 1,128
17	Prepare and Submit Notice of Establishment (NOE)			6	4	4				14	$ 2,676
	Insert Task Subtotal:		**44**	**104**	**46**	**88**	**-**	**8**	**-**	290	$ 57,316
	PROJECT TOTAL:		**44**	**104**	**46**	**88**	**-**	**8**	**-**	**290**	**57,316**

EEI STAFF

PIC	Principal In Charage
PM	Project Manager
SPE 1	Senior Project Engineer I
PE	Project Engineer
SPT 2	Senior Project Technician II
SPT 1	Senior Project Technician II
ADMIN	Adminstrative Assistant

DIRECT EXPENSES		
Printing =	$	500
Certified Mailing =	$	250
DIRECT EXPENSES =	**$**	**750**

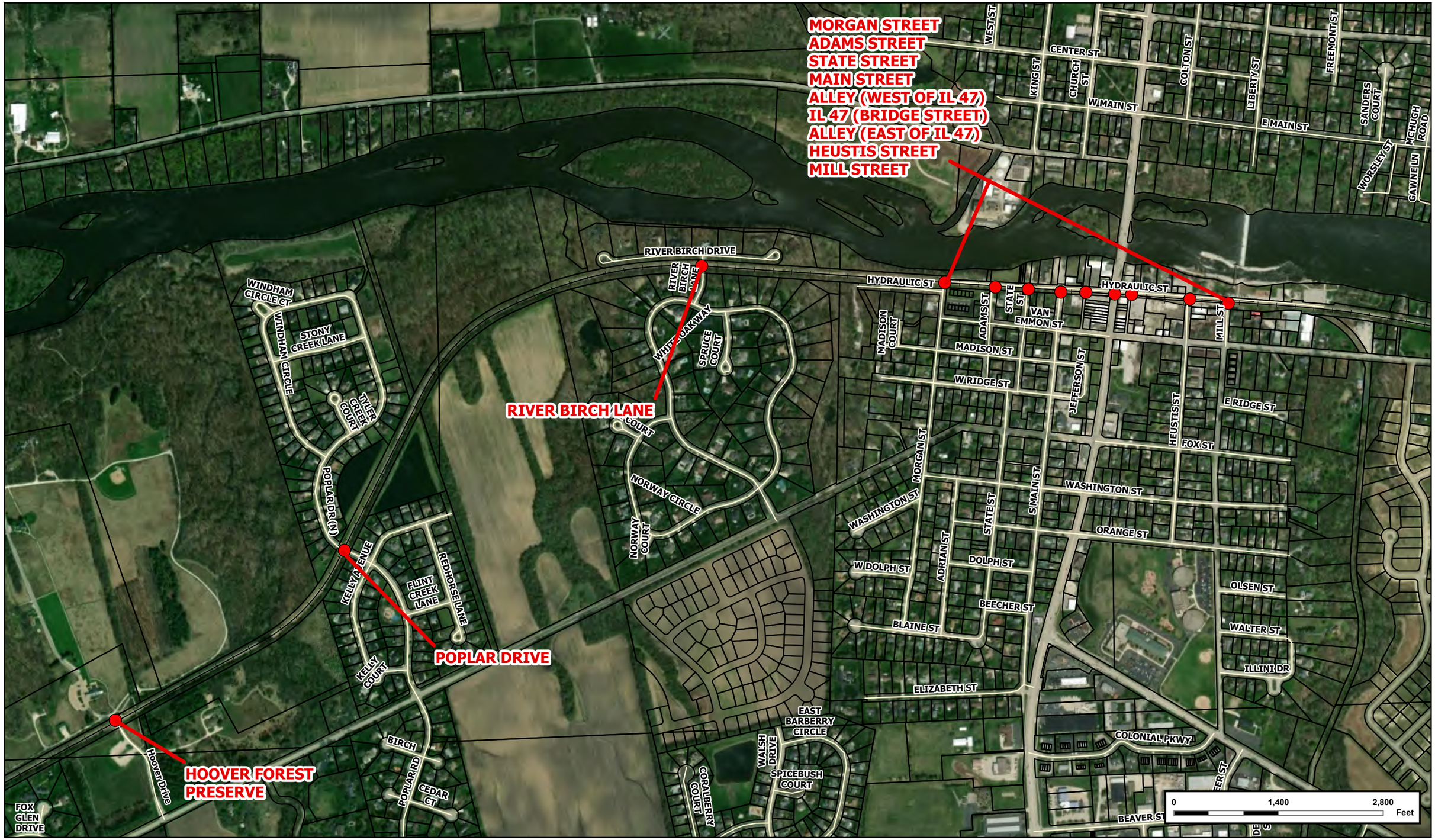
LABOR SUMMARY		
EEI Labor Expenses =	$	57,316
TOTAL LABOR EXPENSES	**$**	**57,316**

TOTAL COSTS	**$**	**58,066**

ATTACHMENT D: ESTIMATED SCHEDULE

CLIENT	PROJECT NUMBER	
United City of Yorkville	YO2444-P	
PROJECT TITLE	**DATE**	**PREPARED BY**
Downtown Railroad - Quiet Zone Study	8/13/24	CJO

TASK NO.	TASK DESCRIPTION	2024				2025												2026												2027					
		S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J
1	Phase A																																		
2	Phase B																																		
3	Phase C																																		
4	Phase D																																		



Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
(630) 466-6700 / www.eeiweb.con

United City of Yorkville
651 Prairie Pointe Dr
Yorkville, IL 60560
http://www.yorkville.il.us

NO.	DATE	REVISIONS

DATE:	AUGUST 2024
PROJECT NO.:	YO2432
PATH:	H:/GIS/PUBLIC/YORKVILLE/2024/
FILE:	YO2432_QUIET_ZONE_STUDY.MXD

QUIET ZONE STUDY
UNITED CITY OF YORKVILLE
KENDALL COUNTY, ILLINOIS

ATTACHMENT E
LOCATION MAP
DOWNTOWN QUIET ZONE

Engineering Enterprises, Inc.

STANDARD SCHEDULE OF CHARGES ~ JANUARY 1, 2024

50 Years

EMPLOYEE DESIGNATION	CLASSIFICATION	HOURLY RATE
Senior Principal	E-4	$246.00
Principal	E-3	$241.00
Senior Project Manager	E-2	$234.00
Project Manager	E-1	$210.00
Senior Project Engineer/Surveyor II	P-6	$200.00
Senior Project Engineer/Surveyor I	P-5	$186.00
Project Engineer/Surveyor	P-4	$168.00
Senior Engineer/Surveyor	P-3	$155.00
Engineer/Surveyor	P-2	$140.00
Associate Engineer/Surveyor	P-1	$127.00
Senior Project Technician II	T-6	$175.00
Senior Project Technician I	T-5	$164.00
Project Technician	T-4	$153.00
Senior Technician	T-3	$140.00
Technician	T-2	$127.00
Associate Technician	T-1	$111.00
GIS Technician II	G-2	$125.00
GIS Technician I	G-1	$114.00
Engineering/Land Surveying Intern	I-1	$ 82.00
Executive Administrative Assistant	A-4	$ 77.00
Administrative Assistant	A-3	$ 72.00

VEHICLES. REPROGRAPHICS, DIRECT COSTS, DRONE AND EXPERT TESTIMONY

Vehicle for Construction Observation		$ 20.00
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		$ 225.00
Expert Testimony		$ 275.00

U. S. DOT CROSSING INVENTORY FORM

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION

OMB No. 2130-0017

Instructions for the initial reporting of the following types of new or previously unreported crossings: For public highway-rail grade crossings, complete the entire inventory Form. For private highway-rail grade crossings, complete the Header, Parts I and II, and the Submission Information section. For public pathway grade crossings (including pedestrian station grade crossings), complete the Header, Parts I and II, and the Submission Information section. For Private pathway grade crossings, complete the Header, Parts I and II, and the Submission Information section. For grade-separated highway-rail or pathway crossings (including pedestrian station crossings), complete the Header, Part I, and the Submission Information section. For changes to existing data, complete the Header, Part I Items 1-3, and the Submission Information section, in addition to the updated data fields. Note: For private crossings only, Part I Item 20 and Part III Item 2.K. are required unless otherwise noted. An asterisk * denotes an optional field.

A. Revision Date *(MM/DD/YYYY)*	B. Reporting Agency	C. Reason for Update *(Select only one)*	D. DOT Crossing Inventory Number
07 / 05 / 2023	☐ Railroad ☐ Transit ☒ State ☐ Other	☒ Change in Data ☐ New Crossing ☐ Closed ☐ No Train Traffic ☐ Quiet Zone Update ☐ Re-Open ☐ Date Change Only ☐ Change in Primary Operating RR ☐ Admin. Correction	065026H

Part I: Location and Classification Information

1. Primary Operating Railroad	2. State	3. County
Illinois Railway, LLC. [IR]	ILLINOIS	KENDALL

4. City / Municipality	5. Street/Road Name & Block Number	6. Highway Type & No.
☒ In ☐ Near YORKVILLE	MILL STREET (Street/Road Name) | 100 * (Block Number)	MUN6180

7. Do Other Railroads Operate a Separate Track at Crossing? ☐ Yes ☒ No	8. Do Other Railroads Operate Over Your Track at Crossing? ☐ Yes ☒ No
If Yes, Specify RR	If Yes, Specify RR

9. Railroad Division or Region	10. Railroad Subdivision or District	11. Branch or Line Name	12. RR Milepost
☐ None ILLINOIS RLNET	☐ None ILLINOIS RAILN	☐ None MONT.-STREATOR	(prefix) | 0049.55 | (suffix)

13. Line Segment *	14. Nearest RR Timetable Station *	15. Parent RR *(if applicable)*	16. Crossing Owner *(if applicable)*
0060	YORKVILLE	☐ N/A	☐ N/A

17. Crossing Type	18. Crossing Purpose	19. Crossing Position	20. Public Access *(if Private Crossing)*	21. Type of Train	22. Average Passenger Train Count Per Day
☒ Public ☐ Private	☒ Highway ☐ Pathway, Ped. ☐ Station, Ped.	☒ At Grade ☐ RR Under ☐ RR Over	☐ Yes ☐ No	☐ Freight ☐ Transit ☐ Intercity Passenger ☐ Shared Use Transit ☐ Commuter ☐ Tourist/Other	☐ Less Than One Per Day ☐ Number Per Day 0

23. Type of Land Use
☐ Open Space ☐ Farm ☐ Residential ☐ Commercial ☒ Industrial ☐ Institutional ☐ Recreational ☐ RR Yard

24. Is there an Adjacent Crossing with a Separate Number?	25. Quiet Zone *(FRA provided)*
☐ Yes ☐ No If Yes, Provide Crossing Number	☒ No ☐ 24 Hr ☐ Partial ☐ Chicago Excused Date Established

26. HSR Corridor ID	27. Latitude in decimal degrees	28. Longitude in decimal degrees	29. Lat/Long Source
☐ N/A	*(WGS84 std: nn.nnnnnnn)* 41.64209	*(WGS84 std: -nnn.nnnnnnn)* -88.44366	☒ Actual ☐ Estimated

30.A. Railroad Use *	31.A. State Use *
30.B. Railroad Use *	31.B. State Use * LAT/LONG PER ICC-SL 2016
30.C. Railroad Use *	31.C. State Use *
30.D. Railroad Use *	31.D. State Use * 7/5/23-AADT; Year; % Truck Updated per IDOT March 2023 Y
32.A. Narrative *(Railroad Use)* *	32.B. Narrative *(State Use)* * ICC 7/5/23 - Updated AADT, Year, % Truck, State N

33. Emergency Notification Telephone No. *(posted)*	34. Railroad Contact *(Telephone No.)*	35. State Contact *(Telephone No.)*
		217-785-9026

Part II: Railroad Information

1. Estimated Number of Daily Train Movements

1.A. Total Day Thru Trains *(6 AM to 6 PM)*	1.B. Total Night Thru Trains *(6 PM to 6 AM)*	1.C. Total Switching Trains	1.D. Total Transit Trains	1.E. Check if Less Than One Movement Per Day ☐ How many trains per week?
1	1	0		

2. Year of Train Count Data *(YYYY)*	3. Speed of Train at Crossing
	3.A. Maximum Timetable Speed *(mph)* 30 3.B. Typical Speed Range Over Crossing *(mph)* From 1 to 30

4. Type and Count of Tracks
Main 1 Siding Yard 1 Transit Industry

5. Train Detection *(Main Track only)*
☐ Constant Warning Time ☐ Motion Detection ☐AFO ☐ PTC ☒ DC ☐ Other ☐ None

6. Is Track Signaled?	7.A. Event Recorder	7.B. Remote Health Monitoring
☐ Yes ☒ No	☐ Yes ☐ No	☐ Yes ☐ No

U. S. DOT CROSSING INVENTORY FORM

A. Revision Date *(MM/DD/YYYY)*	PAGE 2	D. Crossing Inventory Number *(7 char.)*
07/05/2023		065026H

Part III: Highway or Pathway Traffic Control Device Information

1. Are there Signs or Signals? ☒ Yes ☐ No

2. Types of Passive Traffic Control Devices associated with the Crossing

2.A. Crossbuck Assemblies *(count)*	2.B. STOP Signs *(R1-1) (count)*	2.C. YIELD Signs *(R1-2) (count)*	2.D. Advance Warning Signs *(Check all that apply; include count)* ☒ None
2	0	2	☐ W10-1 ____ ☐ W10-3 ____ ☐ W10-11 ____ ☐ W10-2 ____ ☐ W10-4 ____ ☐ W10-12 ____

2.E. Low Ground Clearance Sign *(W10-5)*	2.F. Pavement Markings	2.G. Channelization Devices/Medians	2.H. EXEMPT Sign *(R15-3)*	2.I. ENS Sign *(I-13)* Displayed
☐ Yes *(count_____)* ☐ No	☐ Stop Lines ☐ Dynamic Envelope ☐ RR Xing Symbols ☒ None	☐ All Approaches ☐ Median ☐ One Approach ☐ None	☐ Yes ☐ No	☒ Yes ☐ No

2.J. Other MUTCD Signs ☒ Yes ☐ No	2.K. Private Crossing Signs *(if private)*	2.L. LED Enhanced Signs *(List types)*
Specify Type ____ Count 2 Specify Type ____ Count 0 Specify Type ____ Count ____	☐ Yes ☐ No	

3. Types of Train Activated Warning Devices at the Grade Crossing *(specify count of each device for all that apply)*

3.A. Gate Arms *(count)*	3.B. Gate Configuration	3.C. Cantilevered *(or Bridged)* Flashing Light Structures *(count)*	3.D. Mast Mounted Flashing Lights *(count of masts)* 0	3.E. Total Count of Flashing Light Pairs
Roadway 0 Pedestrian ____	☐ 2 Quad ☐ 3 Quad ☐ 4 Quad ☐ Full *(Barrier)* Resistance ☐ Median Gates	Over Traffic Lane 0 ☐ Incandescent Not Over Traffic Lane 0 ☐ LED	☐ Incandescent ☐ LED ☐ Back Lights Included ☐ Side Lights Included	0

3.F. Installation Date of Current Active Warning Devices: *(MM/YYYY)*	3.G. Wayside Horn	3.H. Highway Traffic Signals Controlling Crossing	3.I. Bells *(count)*
____/____ ☐ Not Required	☐ Yes Installed on *(MM/YYYY)* ____/____ ☐ No	☐ Yes ☒ No	0

3.J. Non-Train Active Warning	3.K. Other Flashing Lights or Warning Devices
☐ Flagging/Flagman ☐ Manually Operated Signals ☐ Watchman ☐ Floodlighting ☐ None	Count 0 Specify type ____

4.A. Does nearby Hwy Intersection have Traffic Signals?	4.B. Hwy Traffic Signal Interconnection	4.C. Hwy Traffic Signal Preemption	5. Highway Traffic Pre-Signals	6. Highway Monitoring Devices *(Check all that apply)*
☐ Yes ☐ No	☐ Not Interconnected ☐ For Traffic Signals ☐ For Warning Signs	☐ Simultaneous ☐ Advance	☐ Yes ☐ No Storage Distance * ____ Stop Line Distance * ____	☐ Yes - Photo/Video Recording ☐ Yes – Vehicle Presence Detection ☐ None

Part IV: Physical Characteristics

1. Traffic Lanes Crossing Railroad	2. Is Roadway/Pathway Paved?	3. Does Track Run Down a Street?	4. Is Crossing Illuminated? *(Street lights within approx. 50 feet from nearest rail)*
☐ One-way Traffic ☐ Two-way Traffic ☐ Divided Traffic Number of Lanes 2	☐ Yes ☒ No	☒ Yes ☐ No	☐ Yes ☐ No

5. Crossing Surface *(on Main Track, multiple types allowed)* Installation Date * *(MM/YYYY)* ____/____ Width * ____ Length * ____

☐ 1 Timber ☒ 2 Asphalt ☐ 3 Asphalt and Timber ☐ 4 Concrete ☐ 5 Concrete and Rubber ☐ 6 Rubber ☐ 7 Metal
☐ 8 Unconsolidated ☐ 9 Composite ☐ 10 Other *(specify)* ____

6. Intersecting Roadway within 500 feet?	7. Smallest Crossing Angle	8. Is Commercial Power Available? *
☐ Yes ☒ No If Yes, Approximate Distance *(feet)* ____	☐ 0° – 29° ☐ 30° – 59° ☒ 60° - 90°	☒ Yes ☐ No

Part V: Public Highway Information

1. Highway System	2. Functional Classification of Road at Crossing	3. Is Crossing on State Highway System?	4. Highway Speed Limit
☐ (01) Interstate Highway System ☐ (02) Other Nat Hwy System (NHS) ☐ (03) Federal AID, Not NHS ☒ (08) Non-Federal Aid	☐ (0) Rural ☒ (1) Urban ☐ (1) Interstate ☐ (5) Major Collector ☐ (2) Other Freeways and Expressways ☐ (3) Other Principal Arterial ☐ (6) Minor Collector ☐ (4) Minor Arterial ☒ (7) Local	☐ Yes ☒ No	30 MPH ☒ Posted ☐ Statutory

5. Linear Referencing System *(LRS Route ID)* * 047 06180 006405

6. LRS Milepost * 0.01

7. Annual Average Daily Traffic *(AADT)*	8. Estimated Percent Trucks	9. Regularly Used by School Buses?	10. Emergency Services Route
Year 2019 AADT 425	7 %	☐ Yes ☒ No Average Number per Day 0	☐ Yes ☐ No

Submission Information - *This information is used for administrative purposes and is not available on the public website.*

Submitted by ____ Organization ____ Phone ____ Date ____

U. S. DOT CROSSING INVENTORY FORM

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION

OMB No. 2130-0017

Instructions for the initial reporting of the following types of new or previously unreported crossings: For public highway-rail grade crossings, complete the entire inventory Form. For private highway-rail grade crossings, complete the Header, Parts I and II, and the Submission Information section. For public pathway grade crossings (including pedestrian station grade crossings), complete the Header, Parts I and II, and the Submission Information section. For Private pathway grade crossings, complete the Header, Parts I and II, and the Submission Information section. For grade-separated highway-rail or pathway crossings (including pedestrian station crossings), complete the Header, Part I, and the Submission Information section. For changes to existing data, complete the Header, Part I Items 1-3, and the Submission Information section, in addition to the updated data fields. Note: For private crossings only, Part I Item 20 and Part III Item 2.K. are required unless otherwise noted. An asterisk * denotes an optional field.

A. Revision Date *(MM/DD/YYYY)*	B. Reporting Agency	C. Reason for Update *(Select only one)*	D. DOT Crossing Inventory Number
07 / 05 / 2023	☐ Railroad ☐ Transit ☒ State ☐ Other	☒ Change in Data ☐ New Crossing ☐ Closed ☐ No Train Traffic ☐ Quiet Zone Update ☐ Re-Open ☐ Date Change Only ☐ Change in Primary Operating RR ☐ Admin. Correction	065027P

Part I: Location and Classification Information

1. Primary Operating Railroad	2. State	3. County
Illinois Railway, LLC. [IR]	ILLINOIS	KENDALL

4. City / Municipality	5. Street/Road Name & Block Number	6. Highway Type & No.
☒ In ☐ Near YORKVILLE	HEUSTIS STREET *(Street/Road Name)* | 200 ** (Block Number)*	MUN6170

7. Do Other Railroads Operate a Separate Track at Crossing? ☐ Yes ☒ No If Yes, Specify RR	8. Do Other Railroads Operate Over Your Track at Crossing? ☐ Yes ☒ No If Yes, Specify RR
_____, _____, _____, _____	_____, _____, _____, _____

9. Railroad Division or Region	10. Railroad Subdivision or District	11. Branch or Line Name	12. RR Milepost *(prefix) | (nnnn.nnn) | (suffix)*
☐ None ILLINOIS RLNET	☐ None ILLINOIS RAILN	☐ None MONT.-STREATOR	_____ | 0049.60 | _____

13. Line Segment *	14. Nearest RR Timetable Station *	15. Parent RR *(if applicable)*	16. Crossing Owner *(if applicable)*
0060	YORKVILLE	☐ N/A _____	☐ N/A _____

17. Crossing Type	18. Crossing Purpose	19. Crossing Position	20. Public Access *(if Private Crossing)*	21. Type of Train		22. Average Passenger Train Count Per Day
☒ Public ☐ Private	☒ Highway ☐ Pathway, Ped. ☐ Station, Ped.	☒ At Grade ☐ RR Under ☐ RR Over	☐ Yes ☐ No	☐ Freight ☐ Intercity Passenger ☐ Commuter	☐ Transit ☐ Shared Use Transit ☐ Tourist/Other	☐ Less Than One Per Day ☐ Number Per Day 0

23. Type of Land Use
☐ Open Space ☐ Farm ☐ Residential ☐ Commercial ☒ Industrial ☐ Institutional ☐ Recreational ☐ RR Yard

24. Is there an Adjacent Crossing with a Separate Number?	25. Quiet Zone *(FRA provided)*
☐ Yes ☐ No If Yes, Provide Crossing Number _____	☒ No ☐ 24 Hr ☐ Partial ☐ Chicago Excused Date Established _____

26. HSR Corridor ID	27. Latitude in decimal degrees *(WGS84 std: nn.nnnnnnn)*	28. Longitude in decimal degrees *(WGS84 std: -nnn.nnnnnnn)*	29. Lat/Long Source
_____ ☐ N/A	41.64214	-88.44472	☒ Actual ☐ Estimated

30.A. Railroad Use *	31.A. State Use *
30.B. Railroad Use *	31.B. State Use * LAT/LONG PER ICC-SL 2016
30.C. Railroad Use *	31.C. State Use *
30.D. Railroad Use *	31.D. State Use * 7/5/23-AADT; Year; % Truck Updated per IDOT March 2023 Y
32.A. Narrative *(Railroad Use)* *	32.B. Narrative *(State Use)* * ICC 7/5/23 - Updated AADT, Year, % Truck, State N

33. Emergency Notification Telephone No. *(posted)*	34. Railroad Contact *(Telephone No.)*	35. State Contact *(Telephone No.)*
		217-785-9026

Part II: Railroad Information

1. Estimated Number of Daily Train Movements

1.A. Total Day Thru Trains *(6 AM to 6 PM)*	1.B. Total Night Thru Trains *(6 PM to 6 AM)*	1.C. Total Switching Trains	1.D. Total Transit Trains	1.E. Check if Less Than One Movement Per Day ☐ How many trains per week?
1	1	0		

2. Year of Train Count Data *(YYYY)*	3. Speed of Train at Crossing
	3.A. Maximum Timetable Speed *(mph)* 30
	3.B. Typical Speed Range Over Crossing *(mph)* From 1 to 30

4. Type and Count of Tracks
Main 1 Siding _____ Yard _____ Transit _____ Industry _____

5. Train Detection *(Main Track only)*
☐ Constant Warning Time ☐ Motion Detection ☐AFO ☐ PTC ☒ DC ☐ Other ☐ None

6. Is Track Signaled?	7.A. Event Recorder	7.B. Remote Health Monitoring
☐ Yes ☒ No	☐ Yes ☐ No	☐ Yes ☐ No

U. S. DOT CROSSING INVENTORY FORM

A. Revision Date *(MM/DD/YYYY)*	PAGE 2	D. Crossing Inventory Number *(7 char.)*
07/05/2023		065027P

Part III: Highway or Pathway Traffic Control Device Information

1. Are there Signs or Signals? ☒ Yes ☐ No

2. Types of Passive Traffic Control Devices associated with the Crossing

2.A. Crossbuck Assemblies *(count)*	2.B. STOP Signs *(R1-1) (count)*	2.C. YIELD Signs *(R1-2) (count)*	2.D. Advance Warning Signs *(Check all that apply; include count)* ☒ None
2	0	2	☐ W10-1 _____ ☐ W10-3 _____ ☐ W10-11 _____ ☐ W10-2 _____ ☐ W10-4 _____ ☐ W10-12 _____

2.E. Low Ground Clearance Sign *(W10-5)*	2.F. Pavement Markings	2.G. Channelization Devices/Medians	2.H. EXEMPT Sign *(R15-3)*	2.I. ENS Sign *(I-13)* Displayed
☐ Yes *(count_____)* ☐ No	☐ Stop Lines ☐ Dynamic Envelope ☐ RR Xing Symbols ☒ None	☐ All Approaches ☐ Median ☐ One Approach ☐ None	☐ Yes ☐ No	☒ Yes ☐ No

2.J. Other MUTCD Signs ☒ Yes ☐ No	2.K. Private Crossing Signs *(if private)*	2.L. LED Enhanced Signs *(List types)*
Specify Type _____ Count 2 Specify Type _____ Count 0 Specify Type _____ Count _____	☐ Yes ☐ No	

3. Types of Train Activated Warning Devices at the Grade Crossing *(specify count of each device for all that apply)*

3.A. Gate Arms *(count)*	3.B. Gate Configuration	3.C. Cantilevered *(or Bridged)* Flashing Light Structures *(count)*	3.D. Mast Mounted Flashing Lights *(count of masts)* 0	3.E. Total Count of Flashing Light Pairs
Roadway 0 Pedestrian _____	☐ 2 Quad ☐ 3 Quad ☐ 4 Quad ☐ Full *(Barrier)* Resistance ☐ Median Gates	Over Traffic Lane 0 ☐ Incandescent Not Over Traffic Lane 0 ☐ LED	☐ Incandescent ☐ LED ☐ Back Lights Included ☐ Side Lights Included	0

3.F. Installation Date of Current Active Warning Devices: *(MM/YYYY)*	3.G. Wayside Horn	3.H. Highway Traffic Signals Controlling Crossing	3.I. Bells *(count)*
_____/_____ ☐ Not Required	☐ Yes Installed on *(MM/YYYY)* _____/_____ ☐ No	☐ Yes ☒ No	0

3.J. Non-Train Active Warning	3.K. Other Flashing Lights or Warning Devices
☐ Flagging/Flagman ☐ Manually Operated Signals ☐ Watchman ☐ Floodlighting ☐ None	Count 0 Specify type _____

4.A. Does nearby Hwy Intersection have Traffic Signals?	4.B. Hwy Traffic Signal Interconnection	4.C. Hwy Traffic Signal Preemption	5. Highway Traffic Pre-Signals	6. Highway Monitoring Devices *(Check all that apply)*
☐ Yes ☐ No	☐ Not Interconnected ☐ For Traffic Signals ☐ For Warning Signs	☐ Simultaneous ☐ Advance	☐ Yes ☐ No Storage Distance * _____ Stop Line Distance * _____	☐ Yes - Photo/Video Recording ☐ Yes – Vehicle Presence Detection ☐ None

Part IV: Physical Characteristics

1. Traffic Lanes Crossing Railroad	2. Is Roadway/Pathway Paved?	3. Does Track Run Down a Street?	4. Is Crossing Illuminated? *(Street lights within approx. 50 feet from nearest rail)*
☐ One-way Traffic ☐ Two-way Traffic ☐ Divided Traffic Number of Lanes 2	☐ Yes ☒ No	☒ Yes ☐ No	☐ Yes ☐ No

5. Crossing Surface *(on Main Track, multiple types allowed)* Installation Date * *(MM/YYYY)* _____/_____ Width * _____ Length * _____

☐ 1 Timber ☒ 2 Asphalt ☐ 3 Asphalt and Timber ☐ 4 Concrete ☐ 5 Concrete and Rubber ☐ 6 Rubber ☐ 7 Metal
☐ 8 Unconsolidated ☐ 9 Composite ☐ 10 Other *(specify)* _____

6. Intersecting Roadway within 500 feet?	7. Smallest Crossing Angle	8. Is Commercial Power Available? *
☐ Yes ☒ No If Yes, Approximate Distance *(feet)* _____	☐ 0° – 29° ☐ 30° – 59° ☒ 60° - 90°	☒ Yes ☐ No

Part V: Public Highway Information

1. Highway System	2. Functional Classification of Road at Crossing	3. Is Crossing on State Highway System?	4. Highway Speed Limit
☐ (01) Interstate Highway System ☐ (02) Other Nat Hwy System (NHS) ☐ (03) Federal AID, Not NHS ☒ (08) Non-Federal Aid	☐ (0) Rural ☒ (1) Urban ☐ (1) Interstate ☐ (5) Major Collector ☐ (2) Other Freeways and Expressways ☐ (3) Other Principal Arterial ☐ (6) Minor Collector ☐ (4) Minor Arterial ☒ (7) Local	☐ Yes ☒ No	30 MPH ☒ Posted ☐ Statutory

5. Linear Referencing System *(LRS Route ID)* * 047 06170 006405

6. LRS Milepost * 0.01

7. Annual Average Daily Traffic *(AADT)*	8. Estimated Percent Trucks	9. Regularly Used by School Buses?	10. Emergency Services Route
Year 2019 AADT 525	19 %	☐ Yes ☒ No Average Number per Day 0	☐ Yes ☐ No

Submission Information - *This information is used for administrative purposes and is not available on the public website.*

Submitted by _____ Organization _____ Phone _____ Date _____

U. S. DOT CROSSING INVENTORY FORM

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION

OMB No. 2130-0017

Instructions for the initial reporting of the following types of new or previously unreported crossings: For public highway-rail grade crossings, complete the entire inventory Form. For private highway-rail grade crossings, complete the Header, Parts I and II, and the Submission Information section. For public pathway grade crossings (including pedestrian station grade crossings), complete the Header, Parts I and II, and the Submission Information section. For Private pathway grade crossings, complete the Header, Parts I and II, and the Submission Information section. For grade-separated highway-rail or pathway crossings (including pedestrian station crossings), complete the Header, Part I, and the Submission Information section. For changes to existing data, complete the Header, Part I Items 1-3, and the Submission Information section, in addition to the updated data fields. Note: For private crossings only, Part I Item 20 and Part III Item 2.K. are required unless otherwise noted. An asterisk * denotes an optional field.

A. Revision Date (MM/DD/YYYY)	B. Reporting Agency	C. Reason for Update (Select only one)	D. DOT Crossing Inventory Number
07 / 05 / 2023	☐ Railroad ☐ Transit ☒ State ☐ Other	☒ Change in Data ☐ New Crossing ☐ Closed ☐ No Train Traffic ☐ Quiet Zone Update ☐ Re-Open ☐ Date Change Only ☐ Change in Primary Operating RR ☐ Admin. Correction	065029D

Part I: Location and Classification Information

1. Primary Operating Railroad	2. State	3. County
Illinois Railway, LLC. [IR]	ILLINOIS	KENDALL

4. City / Municipality	5. Street/Road Name & Block Number	6. Highway Type & No.
☒ In ☐ Near YORKVILLE	BRIDGE ST/RT 47 (Street/Road Name) | 0 (* Block Number)	ILL47

7. Do Other Railroads Operate a Separate Track at Crossing?	8. Do Other Railroads Operate Over Your Track at Crossing?
☐ Yes ☒ No If Yes, Specify RR	☐ Yes ☒ No If Yes, Specify RR

9. Railroad Division or Region	10. Railroad Subdivision or District	11. Branch or Line Name	12. RR Milepost
☐ None Illinois Railway	☐ None Ottawa	☒ None	(prefix) | 0049.71 (nnnn.nnn) | (suffix)

13. Line Segment *	14. Nearest RR Timetable Station *	15. Parent RR (if applicable)	16. Crossing Owner (if applicable)
0060	YORKVILLE	☐ N/A IR	☐ N/A IR

17. Crossing Type	18. Crossing Purpose	19. Crossing Position	20. Public Access (if Private Crossing)	21. Type of Train	22. Average Passenger Train Count Per Day
☒ Public ☐ Private	☒ Highway ☐ Pathway, Ped. ☐ Station, Ped.	☒ At Grade ☐ RR Under ☐ RR Over	☐ Yes ☐ No	☒ Freight ☐ Intercity Passenger ☐ Commuter ☐ Transit ☐ Shared Use Transit ☐ Tourist/Other	☐ Less Than One Per Day ☐ Number Per Day 0

23. Type of Land Use
☐ Open Space ☐ Farm ☐ Residential ☒ Commercial ☐ Industrial ☐ Institutional ☐ Recreational ☐ RR Yard

24. Is there an Adjacent Crossing with a Separate Number?	25. Quiet Zone (FRA provided)
☐ Yes ☒ No If Yes, Provide Crossing Number	☒ No ☐ 24 Hr ☐ Partial ☐ Chicago Excused Date Established

26. HSR Corridor ID	27. Latitude in decimal degrees	28. Longitude in decimal degrees	29. Lat/Long Source
☒ N/A	(WGS84 std: nn.nnnnnnn) 41.642242	(WGS84 std: -nnn.nnnnnnn) -88.44679	☒ Actual ☐ Estimated

30.A. Railroad Use *	31.A. State Use *
30.B. Railroad Use *	31.B. State Use * LAT/LONG PER ICC-SL 2016
30.C. Railroad Use *	31.C. State Use *
30.D. Railroad Use *	31.D. State Use * 7/5/23-AADT; Year; % Truck Updated per IDOT March 2023 Y
32.A. Narrative (Railroad Use) *	32.B. Narrative (State Use) * ICC 7/5/23 - Updated AADT, Year, % Truck, State N

33. Emergency Notification Telephone No. (posted)	34. Railroad Contact (Telephone No.)	35. State Contact (Telephone No.)
800-533-9416	815-431-0940	217-785-9026

Part II: Railroad Information

1. Estimated Number of Daily Train Movements

1.A. Total Day Thru Trains (6 AM to 6 PM)	1.B. Total Night Thru Trains (6 PM to 6 AM)	1.C. Total Switching Trains	1.D. Total Transit Trains	1.E. Check if Less Than One Movement Per Day ☐ How many trains per week?
4	4	0	0	

2. Year of Train Count Data (YYYY)	3. Speed of Train at Crossing
2019	3.A. Maximum Timetable Speed (mph) 25 3.B. Typical Speed Range Over Crossing (mph) From 5 to 25

4. Type and Count of Tracks
Main 1 Siding 0 Yard 0 Transit 0 Industry 0

5. Train Detection (Main Track only)
☒ Constant Warning Time ☐ Motion Detection ☐AFO ☐ PTC ☐ DC ☐ Other ☐ None

6. Is Track Signaled?	7.A. Event Recorder	7.B. Remote Health Monitoring
☐ Yes ☒ No	☒ Yes ☐ No	☒ Yes ☐ No

U. S. DOT CROSSING INVENTORY FORM

A. Revision Date *(MM/DD/YYYY)*	PAGE 2	D. Crossing Inventory Number *(7 char.)*
07/05/2023		065029D

Part III: Highway or Pathway Traffic Control Device Information

1. Are there Signs or Signals? ☒ Yes ☐ No

2. Types of Passive Traffic Control Devices associated with the Crossing

2.A. Crossbuck Assemblies *(count)*	2.B. STOP Signs *(R1-1)* *(count)*	2.C. YIELD Signs *(R1-2)* *(count)*	2.D. Advance Warning Signs *(Check all that apply; include count)* ☒ None
2	0	0	☐ W10-1 _____ ☐ W10-3 _____ ☐ W10-11 _____ ☐ W10-2 _____ ☐ W10-4 _____ ☐ W10-12 _____

2.E. Low Ground Clearance Sign *(W10-5)*	2.F. Pavement Markings	2.G. Channelization Devices/Medians	2.H. EXEMPT Sign *(R15-3)*	2.I. ENS Sign *(I-13)* Displayed
☐ Yes *(count_____)* ☒ No	☒ Stop Lines ☐ Dynamic Envelope ☒ RR Xing Symbols ☐ None	☐ All Approaches ☐ Median ☐ One Approach ☒ None	☐ Yes ☒ No	☒ Yes ☐ No

2.J. Other MUTCD Signs	2.K. Private Crossing Signs *(if private)*	2.L. LED Enhanced Signs *(List types)*
☒ Yes ☐ No Specify Type _____ Count _____ Specify Type _____ Count _____ Specify Type _____ Count _____	☐ Yes ☐ No	

3. Types of Train Activated Warning Devices at the Grade Crossing *(specify count of each device for all that apply)*

3.A. Gate Arms *(count)*	3.B. Gate Configuration	3.C. Cantilevered *(or Bridged)* Flashing Light Structures *(count)*	3.D. Mast Mounted Flashing Lights *(count of masts)* 3	3.E. Total Count of Flashing Light Pairs
Roadway 5 Pedestrian 0	☐ 2 Quad ☐ Full *(Barrier)* Resistance ☒ 3 Quad ☐ 4 Quad ☐ Median Gates	Over Traffic Lane 3 ☐ Incandescent Not Over Traffic Lane 0 ☒ LED	☐ Incandescent ☒ LED ☐ Back Lights Included ☐ Side Lights Included	9

3.F. Installation Date of Current Active Warning Devices: *(MM/YYYY)*	3.G. Wayside Horn	3.H. Highway Traffic Signals Controlling Crossing	3.I. Bells *(count)*
_____/_____ ☒ Not Required	☐ Yes Installed on *(MM/YYYY)* _____/_____ ☒ No	☐ Yes ☒ No	5

3.J. Non-Train Active Warning	3.K. Other Flashing Lights or Warning Devices
☐ Flagging/Flagman ☐ Manually Operated Signals ☐ Watchman ☐ Floodlighting ☒ None	Count 0 Specify type _____

4.A. Does nearby Hwy Intersection have Traffic Signals?	4.B. Hwy Traffic Signal Interconnection	4.C. Hwy Traffic Signal Preemption	5. Highway Traffic Pre-Signals	6. Highway Monitoring Devices *(Check all that apply)*
☐ Yes ☒ No	☒ Not Interconnected ☐ For Traffic Signals ☐ For Warning Signs	☐ Simultaneous ☐ Advance	☐ Yes ☒ No Storage Distance * _____ Stop Line Distance * _____	☐ Yes - Photo/Video Recording ☐ Yes – Vehicle Presence Detection ☒ None

Part IV: Physical Characteristics

1. Traffic Lanes Crossing Railroad	2. Is Roadway/Pathway Paved?	3. Does Track Run Down a Street?	4. Is Crossing Illuminated? *(Street lights within approx. 50 feet from nearest rail)*
☐ One-way Traffic ☒ Two-way Traffic ☐ Divided Traffic Number of Lanes 2	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No

5. Crossing Surface *(on Main Track, multiple types allowed)* Installation Date * *(MM/YYYY)* _____/_____ Width * _____ Length * _____

☐ 1 Timber ☐ 2 Asphalt ☐ 3 Asphalt and Timber ☒ 4 Concrete ☐ 5 Concrete and Rubber ☒ 6 Rubber ☐ 7 Metal
☐ 8 Unconsolidated ☐ 9 Composite ☐ 10 Other *(specify)* _____

6. Intersecting Roadway within 500 feet?	7. Smallest Crossing Angle	8. Is Commercial Power Available? *
☒ Yes ☐ No If Yes, Approximate Distance *(feet)* _____	☐ 0° – 29° ☐ 30° – 59° ☒ 60° - 90°	☐ Yes ☒ No

Part V: Public Highway Information

1. Highway System	2. Functional Classification of Road at Crossing	3. Is Crossing on State Highway System?	4. Highway Speed Limit
☐ (01) Interstate Highway System ☒ (02) Other Nat Hwy System (NHS) ☐ (03) Federal AID, Not NHS ☐ (08) Non-Federal Aid	☐ (0) Rural ☒ (1) Urban ☐ (1) Interstate ☐ (5) Major Collector ☐ (2) Other Freeways and Expressways ☒ (3) Other Principal Arterial ☐ (6) Minor Collector ☐ (4) Minor Arterial ☐ (7) Local	☒ Yes ☐ No	30 MPH ☒ Posted ☐ Statutory

5. Linear Referencing System *(LRS Route ID)* * 04720326000000

6. LRS Milepost * 5.62

7. Annual Average Daily Traffic *(AADT)*	8. Estimated Percent Trucks	9. Regularly Used by School Buses?	10. Emergency Services Route
Year 2021 AADT 22200	9 %	☐ Yes ☒ No Average Number per Day _____	☐ Yes ☐ No

Submission Information - *This information is used for administrative purposes and is not available on the public website.*

Submitted by _____ Organization _____ Phone _____ Date _____

U. S. DOT CROSSING INVENTORY FORM

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION

OMB No. 2130-0017

Instructions for the initial reporting of the following types of new or previously unreported crossings: For public highway-rail grade crossings, complete the entire inventory Form. For private highway-rail grade crossings, complete the Header, Parts I and II, and the Submission Information section. For public pathway grade crossings (including pedestrian station grade crossings), complete the Header, Parts I and II, and the Submission Information section. For Private pathway grade crossings, complete the Header, Parts I and II, and the Submission Information section. For grade-separated highway-rail or pathway crossings (including pedestrian station crossings), complete the Header, Part I, and the Submission Information section. For changes to existing data, complete the Header, Part I Items 1-3, and the Submission Information section, in addition to the updated data fields. Note: For private crossings only, Part I Item 20 and Part III Item 2.K. are required unless otherwise noted. An asterisk * denotes an optional field.

A. Revision Date *(MM/DD/YYYY)*	B. Reporting Agency	C. Reason for Update *(Select only one)*	D. DOT Crossing Inventory Number
07 / 05 / 2023	☐ Railroad ☐ Transit ☒ State ☐ Other	☒ Change in Data ☐ New Crossing ☐ Closed ☐ No Train Traffic ☐ Quiet Zone Update ☐ Re-Open ☐ Date Change Only ☐ Change in Primary Operating RR ☐ Admin. Correction	065031E

Part I: Location and Classification Information

1. Primary Operating Railroad	2. State	3. County
Illinois Railway, LLC. [IR]	ILLINOIS	KENDALL

4. City / Municipality	5. Street/Road Name & Block Number	6. Highway Type & No.
☒ In ☐ Near YORKVILLE	S MAIN STREET *(Street/Road Name)* | 0 ** (Block Number)*	MUN6100

7. Do Other Railroads Operate a Separate Track at Crossing?	8. Do Other Railroads Operate Over Your Track at Crossing?
☐ Yes ☒ No If Yes, Specify RR	☐ Yes ☒ No If Yes, Specify RR

9. Railroad Division or Region	10. Railroad Subdivision or District	11. Branch or Line Name	12. RR Milepost
☐ None ILLINOIS RLNET	☐ None ILLINOIS RAILN	☐ None MONT.-STREATOR	*(prefix)* | 0049.79 *(nnnn.nnn)* | *(suffix)*

13. Line Segment *	14. Nearest RR Timetable Station *	15. Parent RR *(if applicable)*	16. Crossing Owner *(if applicable)*
0060	YORKVILLE	☐ N/A	☐ N/A

17. Crossing Type	18. Crossing Purpose	19. Crossing Position	20. Public Access *(if Private Crossing)*	21. Type of Train	22. Average Passenger Train Count Per Day
☒ Public ☐ Private	☒ Highway ☐ Pathway, Ped. ☐ Station, Ped.	☒ At Grade ☐ RR Under ☐ RR Over	☐ Yes ☐ No	☐ Freight ☐ Transit ☐ Intercity Passenger ☐ Shared Use Transit ☐ Commuter ☐ Tourist/Other	☐ Less Than One Per Day ☐ Number Per Day 0

23. Type of Land Use
☐ Open Space ☐ Farm ☐ Residential ☒ Commercial ☐ Industrial ☐ Institutional ☐ Recreational ☐ RR Yard

24. Is there an Adjacent Crossing with a Separate Number?	25. Quiet Zone *(FRA provided)*
☐ Yes ☐ No If Yes, Provide Crossing Number	☒ No ☐ 24 Hr ☐ Partial ☐ Chicago Excused Date Established

26. HSR Corridor ID	27. Latitude in decimal degrees	28. Longitude in decimal degrees	29. Lat/Long Source
☐ N/A	*(WGS84 std: nn.nnnnnnn)* 41.642323	*(WGS84 std: -nnn.nnnnnnn)* -88.44837	☒ Actual ☐ Estimated

30.A. Railroad Use *	**31.A. State Use ***
30.B. Railroad Use *	**31.B. State Use *** LAT/LONG PER ICC-SL 2016
30.C. Railroad Use *	**31.C. State Use ***
30.D. Railroad Use *	**31.D. State Use *** 7/5/23-AADT; Year; % Truck Updated per IDOT March 2023 Y
32.A. Narrative *(Railroad Use)* *	**32.B. Narrative** *(State Use)* * ICC 7/5/23 - Updated AADT, Year, % Truck, State N

33. Emergency Notification Telephone No. *(posted)*	34. Railroad Contact *(Telephone No.)*	35. State Contact *(Telephone No.)*
		217-785-9026

Part II: Railroad Information

1. Estimated Number of Daily Train Movements

1.A. Total Day Thru Trains *(6 AM to 6 PM)*	1.B. Total Night Thru Trains *(6 PM to 6 AM)*	1.C. Total Switching Trains	1.D. Total Transit Trains	1.E. Check if Less Than One Movement Per Day ☐ How many trains per week?
1	1	0		

2. Year of Train Count Data *(YYYY)*	3. Speed of Train at Crossing
	3.A. Maximum Timetable Speed *(mph)* 30 3.B. Typical Speed Range Over Crossing *(mph)* From 1 to 30

4. Type and Count of Tracks
Main 1 Siding ____ Yard ____ Transit ____ Industry ____

5. Train Detection *(Main Track only)*
☐ Constant Warning Time ☐ Motion Detection ☐AFO ☐ PTC ☒ DC ☐ Other ☐ None

6. Is Track Signaled?	7.A. Event Recorder	7.B. Remote Health Monitoring
☒ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No

U. S. DOT CROSSING INVENTORY FORM

A. Revision Date *(MM/DD/YYYY)*	PAGE 2	D. Crossing Inventory Number *(7 char.)*
07/05/2023		065031E

Part III: Highway or Pathway Traffic Control Device Information

1. Are there Signs or Signals? ☒ Yes ☐ No

2. Types of Passive Traffic Control Devices associated with the Crossing

2.A. Crossbuck Assemblies *(count)*	2.B. STOP Signs *(R1-1) (count)*	2.C. YIELD Signs *(R1-2) (count)*	2.D. Advance Warning Signs *(Check all that apply; include count)* ☒ None
2	0	2	☐ W10-1 _____ ☐ W10-3 _____ ☐ W10-11 _____ ☐ W10-2 _____ ☐ W10-4 _____ ☐ W10-12 _____

2.E. Low Ground Clearance Sign *(W10-5)*	2.F. Pavement Markings	2.G. Channelization Devices/Medians	2.H. EXEMPT Sign *(R15-3)*	2.I. ENS Sign *(I-13)* Displayed
☐ Yes *(count_____)* ☐ No	☐ Stop Lines ☐ Dynamic Envelope ☐ RR Xing Symbols ☒ None	☐ All Approaches ☐ Median ☐ One Approach ☐ None	☐ Yes ☐ No	☒ Yes ☐ No

2.J. Other MUTCD Signs ☒ Yes ☐ No

Specify Type _____ Count 2
Specify Type _____ Count 0
Specify Type _____ Count _____

2.K. Private Crossing Signs *(if private)* ☐ Yes ☐ No

2.L. LED Enhanced Signs *(List types)*

3. Types of Train Activated Warning Devices at the Grade Crossing *(specify count of each device for all that apply)*

3.A. Gate Arms *(count)*	3.B. Gate Configuration	3.C. Cantilevered *(or Bridged)* Flashing Light Structures *(count)*	3.D. Mast Mounted Flashing Lights *(count of masts)* 0	3.E. Total Count of Flashing Light Pairs
Roadway 0 Pedestrian _____	☐ 2 Quad ☐ 3 Quad ☐ 4 Quad ☐ Full *(Barrier)* Resistance ☐ Median Gates	Over Traffic Lane 0 ☐ Incandescent Not Over Traffic Lane 0 ☐ LED	☐ Incandescent ☐ LED ☐ Back Lights Included ☐ Side Lights Included	0

3.F. Installation Date of Current Active Warning Devices: *(MM/YYYY)*	3.G. Wayside Horn	3.H. Highway Traffic Signals Controlling Crossing	3.I. Bells *(count)*
_____/_____ ☐ Not Required	☐ Yes Installed on *(MM/YYYY)* _____/_____ ☐ No	☐ Yes ☒ No	0

3.J. Non-Train Active Warning
☐ Flagging/Flagman ☐ Manually Operated Signals ☐ Watchman ☐ Floodlighting ☐ None

3.K. Other Flashing Lights or Warning Devices
Count 0 Specify type _____

4.A. Does nearby Hwy Intersection have Traffic Signals?	4.B. Hwy Traffic Signal Interconnection	4.C. Hwy Traffic Signal Preemption	5. Highway Traffic Pre-Signals	6. Highway Monitoring Devices *(Check all that apply)*
☐ Yes ☐ No	☐ Not Interconnected ☐ For Traffic Signals ☐ For Warning Signs	☐ Simultaneous ☐ Advance	☐ Yes ☐ No Storage Distance * _____ Stop Line Distance * _____	☐ Yes - Photo/Video Recording ☐ Yes – Vehicle Presence Detection ☐ None

Part IV: Physical Characteristics

1. Traffic Lanes Crossing Railroad	2. Is Roadway/Pathway Paved?	3. Does Track Run Down a Street?	4. Is Crossing Illuminated? *(Street lights within approx. 50 feet from nearest rail)*
☐ One-way Traffic ☐ Two-way Traffic Number of Lanes 2 ☐ Divided Traffic	☐ Yes ☒ No	☒ Yes ☐ No	☐ Yes ☐ No

5. Crossing Surface *(on Main Track, multiple types allowed)* Installation Date * *(MM/YYYY)* _____/_____ Width * _____ Length * _____
☐ 1 Timber ☒ 2 Asphalt ☐ 3 Asphalt and Timber ☐ 4 Concrete ☐ 5 Concrete and Rubber ☐ 6 Rubber ☐ 7 Metal
☐ 8 Unconsolidated ☐ 9 Composite ☐ 10 Other *(specify)* _____

6. Intersecting Roadway within 500 feet?	7. Smallest Crossing Angle	8. Is Commercial Power Available? *
☐ Yes ☒ No If Yes, Approximate Distance *(feet)* _____	☐ 0° – 29° ☐ 30° – 59° ☒ 60° - 90°	☐ Yes ☒ No

Part V: Public Highway Information

1. Highway System	2. Functional Classification of Road at Crossing	3. Is Crossing on State Highway System?	4. Highway Speed Limit
☐ (01) Interstate Highway System ☐ (02) Other Nat Hwy System (NHS) ☐ (03) Federal AID, Not NHS ☒ (08) Non-Federal Aid	☐ (0) Rural ☒ (1) Urban ☐ (1) Interstate ☐ (5) Major Collector ☐ (2) Other Freeways and Expressways ☐ (3) Other Principal Arterial ☐ (6) Minor Collector ☐ (4) Minor Arterial ☒ (7) Local	☐ Yes ☒ No	30 MPH ☒ Posted ☐ Statutory

5. Linear Referencing System *(LRS Route ID)* * 047 06100 006405
6. LRS Milepost * 0.01

7. Annual Average Daily Traffic *(AADT)*	8. Estimated Percent Trucks	9. Regularly Used by School Buses?	10. Emergency Services Route
Year 2019 AADT 275	18 %	☐ Yes ☒ No Average Number per Day 0	☐ Yes ☐ No

Submission Information - *This information is used for administrative purposes and is not available on the public website.*

Submitted by _____ Organization _____ Phone _____ Date _____

U. S. DOT CROSSING INVENTORY FORM

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION

OMB No. 2130-0017

Instructions for the initial reporting of the following types of new or previously unreported crossings: For public highway-rail grade crossings, complete the entire inventory Form. For private highway-rail grade crossings, complete the Header, Parts I and II, and the Submission Information section. For public pathway grade crossings (including pedestrian station grade crossings), complete the Header, Parts I and II, and the Submission Information section. For Private pathway grade crossings, complete the Header, Parts I and II, and the Submission Information section. For grade-separated highway-rail or pathway crossings (including pedestrian station crossings), complete the Header, Part I, and the Submission Information section. For changes to existing data, complete the Header, Part I Items 1-3, and the Submission Information section, in addition to the updated data fields. Note: For private crossings only, Part I Item 20 and Part III Item 2.K. are required unless otherwise noted. An asterisk * denotes an optional field.

A. Revision Date *(MM/DD/YYYY)*: 07 / 05 / 2023

B. Reporting Agency: ☐ Railroad ☐ Transit ☒ State ☐ Other

C. Reason for Update *(Select only one)*: ☒ Change in Data ☐ New Crossing ☐ Closed ☐ No Train Traffic ☐ Quiet Zone Update ☐ Re-Open ☐ Date Change Only ☐ Change in Primary Operating RR ☐ Admin. Correction

D. DOT Crossing Inventory Number: 065032L

Part I: Location and Classification Information

1. Primary Operating Railroad: Illinois Railway, LLC. [IR]

2. State: ILLINOIS

3. County: KENDALL

4. City / Municipality: ☒ In ☐ Near YORKVILLE

5. Street/Road Name & Block Number: STATE STREET (Street/Road Name) | 200 (* Block Number)

6. Highway Type & No.: MUN6090

7. Do Other Railroads Operate a Separate Track at Crossing? ☐ Yes ☒ No
If Yes, Specify RR

8. Do Other Railroads Operate Over Your Track at Crossing? ☐ Yes ☒ No
If Yes, Specify RR

9. Railroad Division or Region: ☐ None ILLINOIS RLNET

10. Railroad Subdivision or District: ☐ None ILLINOIS RAILN

11. Branch or Line Name: ☐ None MONT.-STREATOR

12. RR Milepost: (prefix) | 0049.84 (nnnn.nnn) | (suffix)

13. Line Segment *: 0060

14. Nearest RR Timetable Station *: YORKVILLE

15. Parent RR *(if applicable)*: ☐ N/A

16. Crossing Owner *(if applicable)*: ☐ N/A

17. Crossing Type: ☒ Public ☐ Private

18. Crossing Purpose: ☒ Highway ☐ Pathway, Ped. ☐ Station, Ped.

19. Crossing Position: ☒ At Grade ☐ RR Under ☐ RR Over

20. Public Access *(if Private Crossing)*: ☐ Yes ☐ No

21. Type of Train: ☐ Freight ☐ Transit ☐ Intercity Passenger ☐ Shared Use Transit ☐ Commuter ☐ Tourist/Other

22. Average Passenger Train Count Per Day: ☐ Less Than One Per Day ☐ Number Per Day 0

23. Type of Land Use: ☐ Open Space ☐ Farm ☐ Residential ☒ Commercial ☐ Industrial ☐ Institutional ☐ Recreational ☐ RR Yard

24. Is there an Adjacent Crossing with a Separate Number?: ☐ Yes ☐ No If Yes, Provide Crossing Number

25. Quiet Zone *(FRA provided)*: ☒ No ☐ 24 Hr ☐ Partial ☐ Chicago Excused Date Established

26. HSR Corridor ID: ☐ N/A

27. Latitude in decimal degrees *(WGS84 std: nn.nnnnnnn)*: 41.64237

28. Longitude in decimal degrees *(WGS84 std: -nnn.nnnnnnn)*: -88.44932

29. Lat/Long Source: ☒ Actual ☐ Estimated

30.A. Railroad Use *:

31.A. State Use *:

30.B. Railroad Use *:

31.B. State Use *: LAT/LONG PER ICC-SL 2016

30.C. Railroad Use *:

31.C. State Use *:

30.D. Railroad Use *:

31.D. State Use *: 7/5/23-AADT; Year; % Truck Updated per IDOT March 2023 Y

32.A. Narrative *(Railroad Use)* *:

32.B. Narrative *(State Use)* *: ICC 7/5/23 - Updated AADT, Year, % Truck, State N

33. Emergency Notification Telephone No. *(posted)*:

34. Railroad Contact *(Telephone No.)*:

35. State Contact *(Telephone No.)*: 217-785-9026

Part II: Railroad Information

1. Estimated Number of Daily Train Movements

1.A. Total Day Thru Trains *(6 AM to 6 PM)*: 1

1.B. Total Night Thru Trains *(6 PM to 6 AM)*: 1

1.C. Total Switching Trains: 0

1.D. Total Transit Trains:

1.E. Check if Less Than One Movement Per Day ☐ How many trains per week?

2. Year of Train Count Data *(YYYY)*:

3. Speed of Train at Crossing
3.A. Maximum Timetable Speed *(mph)*: 30
3.B. Typical Speed Range Over Crossing *(mph)* From 1 to 30

4. Type and Count of Tracks
Main 1 Siding Yard Transit Industry

5. Train Detection *(Main Track only)*
☐ Constant Warning Time ☐ Motion Detection ☐AFO ☐ PTC ☒ DC ☐ Other ☐ None

6. Is Track Signaled? ☐ Yes ☒ No

7.A. Event Recorder ☐ Yes ☐ No

7.B. Remote Health Monitoring ☐ Yes ☐ No

U. S. DOT CROSSING INVENTORY FORM

A. Revision Date *(MM/DD/YYYY)*	PAGE 2	D. Crossing Inventory Number *(7 char.)*
07/05/2023		065032L

Part III: Highway or Pathway Traffic Control Device Information

1. Are there Signs or Signals? ☒ Yes ☐ No

2. Types of Passive Traffic Control Devices associated with the Crossing

2.A. Crossbuck Assemblies *(count)*	2.B. STOP Signs *(R1-1) (count)*	2.C. YIELD Signs *(R1-2) (count)*	2.D. Advance Warning Signs *(Check all that apply; include count)* ☒ None
2	0	2	☐ W10-1 _____ ☐ W10-3 _____ ☐ W10-11 _____ ☐ W10-2 _____ ☐ W10-4 _____ ☐ W10-12 _____

2.E. Low Ground Clearance Sign *(W10-5)*	2.F. Pavement Markings	2.G. Channelization Devices/Medians	2.H. EXEMPT Sign *(R15-3)*	2.I. ENS Sign *(I-13)* Displayed
☐ Yes *(count_____)* ☐ No	☐ Stop Lines ☐ Dynamic Envelope ☐ RR Xing Symbols ☒ None	☐ All Approaches ☐ Median ☐ One Approach ☐ None	☐ Yes ☐ No	☒ Yes ☐ No

2.J. Other MUTCD Signs ☒ Yes ☐ No	2.K. Private Crossing Signs *(if private)*	2.L. LED Enhanced Signs *(List types)*
Specify Type _____ Count 2 Specify Type _____ Count 0 Specify Type _____ Count _____	☐ Yes ☐ No	

3. Types of Train Activated Warning Devices at the Grade Crossing *(specify count of each device for all that apply)*

3.A. Gate Arms *(count)*	3.B. Gate Configuration	3.C. Cantilevered *(or Bridged)* Flashing Light Structures *(count)*	3.D. Mast Mounted Flashing Lights *(count of masts)* 0	3.E. Total Count of Flashing Light Pairs
Roadway 0 Pedestrian _____	☐ 2 Quad ☐ 3 Quad ☐ 4 Quad ☐ Full *(Barrier)* Resistance ☐ Median Gates	Over Traffic Lane 0 ☐ Incandescent Not Over Traffic Lane 0 ☐ LED	☐ Incandescent ☐ LED ☐ Back Lights Included ☐ Side Lights Included	0

3.F. Installation Date of Current Active Warning Devices: *(MM/YYYY)*	3.G. Wayside Horn	3.H. Highway Traffic Signals Controlling Crossing	3.I. Bells *(count)*
_____/_____ ☐ Not Required	☐ Yes Installed on *(MM/YYYY)* _____/_____ ☐ No	☐ Yes ☒ No	0

3.J. Non-Train Active Warning	3.K. Other Flashing Lights or Warning Devices
☐ Flagging/Flagman ☐ Manually Operated Signals ☐ Watchman ☐ Floodlighting ☐ None	Count 0 Specify type _____

4.A. Does nearby Hwy Intersection have Traffic Signals?	4.B. Hwy Traffic Signal Interconnection	4.C. Hwy Traffic Signal Preemption	5. Highway Traffic Pre-Signals	6. Highway Monitoring Devices *(Check all that apply)*
☐ Yes ☐ No	☐ Not Interconnected ☐ For Traffic Signals ☐ For Warning Signs	☐ Simultaneous ☐ Advance	☐ Yes ☐ No Storage Distance * _____ Stop Line Distance * _____	☐ Yes - Photo/Video Recording ☐ Yes – Vehicle Presence Detection ☐ None

Part IV: Physical Characteristics

1. Traffic Lanes Crossing Railroad	2. Is Roadway/Pathway Paved?	3. Does Track Run Down a Street?	4. Is Crossing Illuminated? *(Street lights within approx. 50 feet from nearest rail)*
☐ One-way Traffic ☐ Two-way Traffic ☐ Divided Traffic Number of Lanes 1	☐ Yes ☒ No	☒ Yes ☐ No	☐ Yes ☐ No

5. Crossing Surface *(on Main Track, multiple types allowed)* Installation Date * *(MM/YYYY)* _____/_____ Width * _____ Length * _____

☐ 1 Timber ☒ 2 Asphalt ☐ 3 Asphalt and Timber ☐ 4 Concrete ☐ 5 Concrete and Rubber ☐ 6 Rubber ☐ 7 Metal
☐ 8 Unconsolidated ☐ 9 Composite ☐ 10 Other *(specify)* _____

6. Intersecting Roadway within 500 feet?	7. Smallest Crossing Angle	8. Is Commercial Power Available? *
☐ Yes ☒ No If Yes, Approximate Distance *(feet)* _____	☐ 0° – 29° ☐ 30° – 59° ☒ 60° - 90°	☐ Yes ☒ No

Part V: Public Highway Information

1. Highway System	2. Functional Classification of Road at Crossing	3. Is Crossing on State Highway System?	4. Highway Speed Limit
☐ (01) Interstate Highway System ☐ (02) Other Nat Hwy System (NHS) ☐ (03) Federal AID, Not NHS ☒ (08) Non-Federal Aid	☐ (0) Rural ☒ (1) Urban ☐ (1) Interstate ☐ (5) Major Collector ☐ (2) Other Freeways and Expressways ☐ (3) Other Principal Arterial ☐ (6) Minor Collector ☐ (4) Minor Arterial ☒ (7) Local	☐ Yes ☒ No	30 MPH ☒ Posted ☐ Statutory

5. Linear Referencing System *(LRS Route ID)* * 047 06090A006405

6. LRS Milepost * 0.01

7. Annual Average Daily Traffic *(AADT)*	8. Estimated Percent Trucks	9. Regularly Used by School Buses?	10. Emergency Services Route
Year 2019 AADT 25	0 %	☐ Yes ☒ No Average Number per Day 0	☐ Yes ☐ No

Submission Information - *This information is used for administrative purposes and is not available on the public website.*

Submitted by _____ Organization _____ Phone _____ Date _____

U. S. DOT CROSSING INVENTORY FORM

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION

OMB No. 2130-0017

Instructions for the initial reporting of the following types of new or previously unreported crossings: For public highway-rail grade crossings, complete the entire inventory Form. For private highway-rail grade crossings, complete the Header, Parts I and II, and the Submission Information section. For public pathway grade crossings (including pedestrian station grade crossings), complete the Header, Parts I and II, and the Submission Information section. For Private pathway grade crossings, complete the Header, Parts I and II, and the Submission Information section. For grade-separated highway-rail or pathway crossings (including pedestrian station crossings), complete the Header, Part I, and the Submission Information section. For changes to existing data, complete the Header, Part I Items 1-3, and the Submission Information section, in addition to the updated data fields. Note: For private crossings only, Part I Item 20 and Part III Item 2.K. are required unless otherwise noted. An asterisk * denotes an optional field.

A. Revision Date *(MM/DD/YYYY)*	B. Reporting Agency	C. Reason for Update *(Select only one)*	D. DOT Crossing Inventory Number
07 / 05 / 2023	☐ Railroad ☐ Transit ☒ State ☐ Other	☒ Change in Data ☐ New Crossing ☐ Closed ☐ No Train Traffic ☐ Quiet Zone Update ☐ Re-Open ☐ Date Change Only ☐ Change in Primary Operating RR ☐ Admin. Correction	065033T

Part I: Location and Classification Information

1. Primary Operating Railroad	2. State	3. County
Illinois Railway, LLC. [IR]	ILLINOIS	KENDALL

4. City / Municipality	5. Street/Road Name & Block Number	6. Highway Type & No.
☒ In ☐ Near YORKVILLE	ADAMS STREET *(Street/Road Name)* | 200 ** (Block Number)*	MUN6040

7. Do Other Railroads Operate a Separate Track at Crossing?	8. Do Other Railroads Operate Over Your Track at Crossing?
☐ Yes ☒ No If Yes, Specify RR	☐ Yes ☒ No If Yes, Specify RR

9. Railroad Division or Region	10. Railroad Subdivision or District	11. Branch or Line Name	12. RR Milepost
☐ None ILLINOIS RLNET	☐ None ILLINOIS RAILN	☐ None MONT-STREATOR	*(prefix)* | 0049.89 | *(nnnn.nnn)* | *(suffix)*

13. Line Segment *	14. Nearest RR Timetable Station *	15. Parent RR *(if applicable)*	16. Crossing Owner *(if applicable)*
0060	YORKVILLE	☐ N/A	☐ N/A

17. Crossing Type	18. Crossing Purpose	19. Crossing Position	20. Public Access *(if Private Crossing)*	21. Type of Train	22. Average Passenger Train Count Per Day
☒ Public ☐ Private	☒ Highway ☐ Pathway, Ped. ☐ Station, Ped.	☒ At Grade ☐ RR Under ☐ RR Over	☐ Yes ☐ No	☐ Freight ☐ Transit ☐ Intercity Passenger ☐ Shared Use Transit ☐ Commuter ☐ Tourist/Other	☐ Less Than One Per Day ☐ Number Per Day 0

23. Type of Land Use
☐ Open Space ☐ Farm ☐ Residential ☒ Commercial ☐ Industrial ☐ Institutional ☐ Recreational ☐ RR Yard

24. Is there an Adjacent Crossing with a Separate Number?	25. Quiet Zone *(FRA provided)*
☐ Yes ☐ No If Yes, Provide Crossing Number	☒ No ☐ 24 Hr ☐ Partial ☐ Chicago Excused Date Established

26. HSR Corridor ID	27. Latitude in decimal degrees	28. Longitude in decimal degrees	29. Lat/Long Source
☐ N/A	*(WGS84 std: nn.nnnnnnn)* 41.6424200	*(WGS84 std: -nnn.nnnnnnn)* -88.4503050	☒ Actual ☐ Estimated

30.A. Railroad Use *	**31.A. State Use ***
30.B. Railroad Use *	**31.B. State Use *** LAT/LONG PER ICC-SL 2016
30.C. Railroad Use *	**31.C. State Use ***
30.D. Railroad Use *	**31.D. State Use *** 7/5/23-AADT; Year; % Truck Updated per IDOT March 2023 Y
32.A. Narrative *(Railroad Use)* *	**32.B. Narrative** *(State Use)* * ICC 7/5/23 - Updated AADT, Year, % Truck, State N

33. Emergency Notification Telephone No. *(posted)*	34. Railroad Contact *(Telephone No.)*	35. State Contact *(Telephone No.)*
		217-785-9026

Part II: Railroad Information

1. Estimated Number of Daily Train Movements

1.A. Total Day Thru Trains *(6 AM to 6 PM)*	1.B. Total Night Thru Trains *(6 PM to 6 AM)*	1.C. Total Switching Trains	1.D. Total Transit Trains	1.E. Check if Less Than One Movement Per Day ☐ How many trains per week?
1	1	0		

2. Year of Train Count Data *(YYYY)*	3. Speed of Train at Crossing
	3.A. Maximum Timetable Speed *(mph)* 30 3.B. Typical Speed Range Over Crossing *(mph)* From 1 to 30

4. Type and Count of Tracks
Main 1 Siding Yard 1 Transit Industry

5. Train Detection *(Main Track only)*
☐ Constant Warning Time ☐ Motion Detection ☐AFO ☐ PTC ☒ DC ☐ Other ☐ None

6. Is Track Signaled?	7.A. Event Recorder	7.B. Remote Health Monitoring
☐ Yes ☒ No	☐ Yes ☐ No	☐ Yes ☐ No

U. S. DOT CROSSING INVENTORY FORM

A. Revision Date *(MM/DD/YYYY)*	PAGE 2	D. Crossing Inventory Number *(7 char.)*
07/05/2023		065033T

Part III: Highway or Pathway Traffic Control Device Information

1. Are there Signs or Signals? ☒ Yes ☐ No

2. Types of Passive Traffic Control Devices associated with the Crossing

2.A. Crossbuck Assemblies *(count)*	2.B. STOP Signs *(R1-1) (count)*	2.C. YIELD Signs *(R1-2) (count)*	2.D. Advance Warning Signs *(Check all that apply; include count)* ☒ None
2	0	2	☐ W10-1 _____ ☐ W10-3 _____ ☐ W10-11 _____ ☐ W10-2 _____ ☐ W10-4 _____ ☐ W10-12 _____

2.E. Low Ground Clearance Sign *(W10-5)*	2.F. Pavement Markings	2.G. Channelization Devices/Medians	2.H. EXEMPT Sign *(R15-3)*	2.I. ENS Sign *(I-13)* Displayed
☐ Yes *(count_____)* ☐ No	☐ Stop Lines ☐ Dynamic Envelope ☐ RR Xing Symbols ☒ None	☐ All Approaches ☐ Median ☐ One Approach ☐ None	☐ Yes ☐ No	☒ Yes ☐ No

2.J. Other MUTCD Signs ☒ Yes ☐ No	2.K. Private Crossing Signs *(if private)*	2.L. LED Enhanced Signs *(List types)*
Specify Type _____ Count _____ Specify Type _____ Count _____ Specify Type _____ Count _____	☐ Yes ☐ No	

3. Types of Train Activated Warning Devices at the Grade Crossing *(specify count of each device for all that apply)*

3.A. Gate Arms *(count)*	3.B. Gate Configuration	3.C. Cantilevered *(or Bridged)* Flashing Light Structures *(count)*	3.D. Mast Mounted Flashing Lights *(count of masts)* 0	3.E. Total Count of Flashing Light Pairs
Roadway 0 Pedestrian _____	☐ 2 Quad ☐ 3 Quad ☐ 4 Quad ☐ Full *(Barrier)* Resistance ☐ Median Gates	Over Traffic Lane 0 ☐ Incandescent Not Over Traffic Lane 0 ☐ LED	☐ Incandescent ☐ LED ☐ Back Lights Included ☐ Side Lights Included	0

3.F. Installation Date of Current Active Warning Devices: *(MM/YYYY)*	3.G. Wayside Horn	3.H. Highway Traffic Signals Controlling Crossing	3.I. Bells *(count)*
_____/_____ ☐ Not Required	☐ Yes Installed on *(MM/YYYY)* _____/_____ ☐ No	☐ Yes ☒ No	0

3.J. Non-Train Active Warning	3.K. Other Flashing Lights or Warning Devices
☐ Flagging/Flagman ☐ Manually Operated Signals ☐ Watchman ☐ Floodlighting ☐ None	Count 0 Specify type _____

4.A. Does nearby Hwy Intersection have Traffic Signals?	4.B. Hwy Traffic Signal Interconnection	4.C. Hwy Traffic Signal Preemption	5. Highway Traffic Pre-Signals	6. Highway Monitoring Devices *(Check all that apply)*
☐ Yes ☐ No	☐ Not Interconnected ☐ For Traffic Signals ☐ For Warning Signs	☐ Simultaneous ☐ Advance	☐ Yes ☐ No Storage Distance * _____ Stop Line Distance * _____	☐ Yes - Photo/Video Recording ☐ Yes – Vehicle Presence Detection ☐ None

Part IV: Physical Characteristics

1. Traffic Lanes Crossing Railroad	2. Is Roadway/Pathway Paved?	3. Does Track Run Down a Street?	4. Is Crossing Illuminated? *(Street lights within approx. 50 feet from nearest rail)*
☐ One-way Traffic ☐ Two-way Traffic ☐ Divided Traffic Number of Lanes 1	☐ Yes ☒ No	☒ Yes ☐ No	☐ Yes ☐ No

5. Crossing Surface *(on Main Track, multiple types allowed)* Installation Date * *(MM/YYYY)* _____/_____ Width * _____ Length * _____

☐ 1 Timber ☒ 2 Asphalt ☐ 3 Asphalt and Timber ☐ 4 Concrete ☐ 5 Concrete and Rubber ☐ 6 Rubber ☐ 7 Metal
☐ 8 Unconsolidated ☐ 9 Composite ☐ 10 Other *(specify)* _____

6. Intersecting Roadway within 500 feet?	7. Smallest Crossing Angle	8. Is Commercial Power Available? *
☐ Yes ☒ No If Yes, Approximate Distance *(feet)* _____	☐ 0° – 29° ☐ 30° – 59° ☒ 60° - 90°	☐ Yes ☒ No

Part V: Public Highway Information

1. Highway System	2. Functional Classification of Road at Crossing	3. Is Crossing on State Highway System?	4. Highway Speed Limit
☐ (01) Interstate Highway System ☐ (02) Other Nat Hwy System (NHS) ☐ (03) Federal AID, Not NHS ☒ (08) Non-Federal Aid	☐ (0) Rural ☒ (1) Urban ☐ (1) Interstate ☐ (5) Major Collector ☐ (2) Other Freeways and Expressways ☐ (3) Other Principal Arterial ☐ (6) Minor Collector ☐ (4) Minor Arterial ☒ (7) Local	☐ Yes ☒ No	30 MPH ☒ Posted ☐ Statutory

5. Linear Referencing System *(LRS Route ID)* * 04706040A006405

6. LRS Milepost * 0.01

7. Annual Average Daily Traffic *(AADT)*	8. Estimated Percent Trucks	9. Regularly Used by School Buses?	10. Emergency Services Route
Year 2020 AADT 25	0 %	☐ Yes ☒ No Average Number per Day _____	☐ Yes ☐ No

Submission Information - *This information is used for administrative purposes and is not available on the public website.*

Submitted by _____ Organization _____ Phone _____ Date _____

U. S. DOT CROSSING INVENTORY FORM

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION

OMB No. 2130-0017

Instructions for the initial reporting of the following types of new or previously unreported crossings: For public highway-rail grade crossings, complete the entire inventory Form. For private highway-rail grade crossings, complete the Header, Parts I and II, and the Submission Information section. For public pathway grade crossings (including pedestrian station grade crossings), complete the Header, Parts I and II, and the Submission Information section. For Private pathway grade crossings, complete the Header, Parts I and II, and the Submission Information section. For grade-separated highway-rail or pathway crossings (including pedestrian station crossings), complete the Header, Part I, and the Submission Information section. For changes to existing data, complete the Header, Part I Items 1-3, and the Submission Information section, in addition to the updated data fields. Note: For private crossings only, Part I Item 20 and Part III Item 2.K. are required unless otherwise noted. An asterisk * denotes an optional field.

A. Revision Date *(MM/DD/YYYY)*	B. Reporting Agency	C. Reason for Update *(Select only one)*	D. DOT Crossing Inventory Number
07 / 05 / 2023	☐ Railroad ☐ Transit ☒ State ☐ Other	☒ Change in Data ☐ New Crossing ☐ Closed ☐ No Train Traffic ☐ Quiet Zone Update ☐ Re-Open ☐ Date Change Only ☐ Change in Primary Operating RR ☐ Admin. Correction	065034A

Part I: Location and Classification Information

1. Primary Operating Railroad	2. State	3. County
Illinois Railway, LLC. [IR]	ILLINOIS	KENDALL

4. City / Municipality	5. Street/Road Name & Block Number	6. Highway Type & No.
☒ In ☐ Near YORKVILLE	MORGAN STREET (Street/Road Name) | 200 * (Block Number)	MUN6020

7. Do Other Railroads Operate a Separate Track at Crossing? ☐ Yes ☒ No	8. Do Other Railroads Operate Over Your Track at Crossing? ☐ Yes ☒ No
If Yes, Specify RR	If Yes, Specify RR

9. Railroad Division or Region	10. Railroad Subdivision or District	11. Branch or Line Name	12. RR Milepost
☐ None ILLINOIS RLNET	☐ None ILLINOIS RAILN	☐ None MONT.-STREATOR	(prefix) | 0049.96 | (suffix)

13. Line Segment *	14. Nearest RR Timetable Station *	15. Parent RR *(if applicable)*	16. Crossing Owner *(if applicable)*
0060	YORKVILLE	☐ N/A	☐ N/A

17. Crossing Type	18. Crossing Purpose	19. Crossing Position	20. Public Access *(if Private Crossing)*	21. Type of Train	22. Average Passenger Train Count Per Day
☒ Public ☐ Private	☒ Highway ☐ Pathway, Ped. ☐ Station, Ped.	☒ At Grade ☐ RR Under ☐ RR Over	☐ Yes ☐ No	☐ Freight ☐ Transit ☐ Intercity Passenger ☐ Shared Use Transit ☐ Commuter ☐ Tourist/Other	☐ Less Than One Per Day ☐ Number Per Day 0

23. Type of Land Use
☐ Open Space ☐ Farm ☐ Residential ☒ Commercial ☐ Industrial ☐ Institutional ☐ Recreational ☐ RR Yard

24. Is there an Adjacent Crossing with a Separate Number?	25. Quiet Zone *(FRA provided)*
☐ Yes ☐ No If Yes, Provide Crossing Number	☒ No ☐ 24 Hr ☐ Partial ☐ Chicago Excused Date Established

26. HSR Corridor ID	27. Latitude in decimal degrees	28. Longitude in decimal degrees	29. Lat/Long Source
☐ N/A	*(WGS84 std: nn.nnnnnnn)* 41.642487	*(WGS84 std: -nnn.nnnnnnn)* -88.45166	☒ Actual ☐ Estimated

30.A. Railroad Use *	31.A. State Use * 228 MORGAN STREET
30.B. Railroad Use *	31.B. State Use * LAT/LONG PER ICC-SL 2016
30.C. Railroad Use *	31.C. State Use *
30.D. Railroad Use *	31.D. State Use * 7/5/23-AADT; Year; % Truck Updated per IDOT March 2023 Y
32.A. Narrative *(Railroad Use)* *	32.B. Narrative *(State Use)* * ICC 7/5/23 - Updated AADT, Year, % Truck, State N

33. Emergency Notification Telephone No. *(posted)*	34. Railroad Contact *(Telephone No.)*	35. State Contact *(Telephone No.)*
		217-785-9026

Part II: Railroad Information

1. Estimated Number of Daily Train Movements

1.A. Total Day Thru Trains *(6 AM to 6 PM)*	1.B. Total Night Thru Trains *(6 PM to 6 AM)*	1.C. Total Switching Trains	1.D. Total Transit Trains	1.E. Check if Less Than One Movement Per Day ☐ How many trains per week?
1	1	0		

2. Year of Train Count Data *(YYYY)*	3. Speed of Train at Crossing
	3.A. Maximum Timetable Speed *(mph)* 30 3.B. Typical Speed Range Over Crossing *(mph)* From 1 to 30

4. Type and Count of Tracks
Main 1 Siding Yard 1 Transit Industry

5. Train Detection *(Main Track only)*
☐ Constant Warning Time ☐ Motion Detection ☐AFO ☐ PTC ☒ DC ☐ Other ☐ None

6. Is Track Signaled?	7.A. Event Recorder	7.B. Remote Health Monitoring
☐ Yes ☒ No	☐ Yes ☐ No	☐ Yes ☐ No

U. S. DOT CROSSING INVENTORY FORM

A. Revision Date *(MM/DD/YYYY)*	PAGE 2	D. Crossing Inventory Number *(7 char.)*
07/05/2023		065034A

Part III: Highway or Pathway Traffic Control Device Information

1. Are there Signs or Signals? ☒ Yes ☐ No

2. Types of Passive Traffic Control Devices associated with the Crossing

2.A. Crossbuck Assemblies *(count)*	2.B. STOP Signs *(R1-1) (count)*	2.C. YIELD Signs *(R1-2) (count)*	2.D. Advance Warning Signs *(Check all that apply; include count)* ☒ None
2	0	2	☐ W10-1 _____ ☐ W10-3 _____ ☐ W10-11 _____ ☐ W10-2 _____ ☐ W10-4 _____ ☐ W10-12 _____

2.E. Low Ground Clearance Sign *(W10-5)*	2.F. Pavement Markings	2.G. Channelization Devices/Medians	2.H. EXEMPT Sign *(R15-3)*	2.I. ENS Sign *(I-13)* Displayed
☐ Yes *(count_____)* ☐ No	☐ Stop Lines ☐ Dynamic Envelope ☐ RR Xing Symbols ☒ None	☐ All Approaches ☐ Median ☐ One Approach ☐ None	☐ Yes ☐ No	☒ Yes ☐ No

2.J. Other MUTCD Signs ☒ Yes ☐ No	2.K. Private Crossing Signs *(if private)*	2.L. LED Enhanced Signs *(List types)*
Specify Type _____ Count 2 Specify Type _____ Count 0 Specify Type _____ Count _____	☐ Yes ☐ No	

3. Types of Train Activated Warning Devices at the Grade Crossing *(specify count of each device for all that apply)*

3.A. Gate Arms *(count)*	3.B. Gate Configuration	3.C. Cantilevered *(or Bridged)* Flashing Light Structures *(count)*	3.D. Mast Mounted Flashing Lights *(count of masts)* 0	3.E. Total Count of Flashing Light Pairs
Roadway 0 Pedestrian _____	☐ 2 Quad ☐ 3 Quad ☐ 4 Quad ☐ Full *(Barrier)* Resistance ☐ Median Gates	Over Traffic Lane 0 ☐ Incandescent Not Over Traffic Lane 0 ☐ LED	☐ Incandescent ☐ LED ☐ Back Lights Included ☐ Side Lights Included	0

3.F. Installation Date of Current Active Warning Devices: *(MM/YYYY)*	3.G. Wayside Horn	3.H. Highway Traffic Signals Controlling Crossing	3.I. Bells *(count)*
_____/_____ ☐ Not Required	☐ Yes Installed on *(MM/YYYY)* _____/_____ ☐ No	☐ Yes ☒ No	0

3.J. Non-Train Active Warning	3.K. Other Flashing Lights or Warning Devices
☐ Flagging/Flagman ☐ Manually Operated Signals ☐ Watchman ☐ Floodlighting ☐ None	Count 0 Specify type _____

4.A. Does nearby Hwy Intersection have Traffic Signals?	4.B. Hwy Traffic Signal Interconnection	4.C. Hwy Traffic Signal Preemption	5. Highway Traffic Pre-Signals	6. Highway Monitoring Devices *(Check all that apply)*
☐ Yes ☐ No	☐ Not Interconnected ☐ For Traffic Signals ☐ For Warning Signs	☐ Simultaneous ☐ Advance	☐ Yes ☐ No Storage Distance * _____ Stop Line Distance * _____	☐ Yes - Photo/Video Recording ☐ Yes – Vehicle Presence Detection ☐ None

Part IV: Physical Characteristics

1. Traffic Lanes Crossing Railroad	2. Is Roadway/Pathway Paved?	3. Does Track Run Down a Street?	4. Is Crossing Illuminated? *(Street lights within approx. 50 feet from nearest rail)*
☐ One-way Traffic ☐ Two-way Traffic ☐ Divided Traffic Number of Lanes 1	☐ Yes ☒ No	☒ Yes ☐ No	☐ Yes ☐ No

5. Crossing Surface *(on Main Track, multiple types allowed)* Installation Date * *(MM/YYYY)* _____/_____ Width * _____ Length * _____

☐ 1 Timber ☒ 2 Asphalt ☐ 3 Asphalt and Timber ☐ 4 Concrete ☐ 5 Concrete and Rubber ☐ 6 Rubber ☐ 7 Metal
☐ 8 Unconsolidated ☐ 9 Composite ☐ 10 Other *(specify)* _____

6. Intersecting Roadway within 500 feet?	7. Smallest Crossing Angle	8. Is Commercial Power Available? *
☐ Yes ☒ No If Yes, Approximate Distance *(feet)* _____	☐ 0° – 29° ☐ 30° – 59° ☒ 60° - 90°	☐ Yes ☒ No

Part V: Public Highway Information

1. Highway System	2. Functional Classification of Road at Crossing	3. Is Crossing on State Highway System?	4. Highway Speed Limit
☐ (01) Interstate Highway System ☐ (02) Other Nat Hwy System (NHS) ☐ (03) Federal AID, Not NHS ☒ (08) Non-Federal Aid	☐ (0) Rural ☒ (1) Urban ☐ (1) Interstate ☐ (5) Major Collector ☐ (2) Other Freeways and Expressways ☐ (3) Other Principal Arterial ☐ (6) Minor Collector ☐ (4) Minor Arterial ☒ (7) Local	☐ Yes ☒ No	30 MPH ☒ Posted ☐ Statutory

5. Linear Referencing System *(LRS Route ID)* * 047 06020 006405

6. LRS Milepost * 0.01

7. Annual Average Daily Traffic *(AADT)*	8. Estimated Percent Trucks	9. Regularly Used by School Buses?	10. Emergency Services Route
Year 2019 AADT 250	10 %	☐ Yes ☒ No Average Number per Day 0	☐ Yes ☐ No

Submission Information - *This information is used for administrative purposes and is not available on the public website.*

Submitted by _____ Organization _____ Phone _____ Date _____

U. S. DOT CROSSING INVENTORY FORM

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION

OMB No. 2130-0017

Instructions for the initial reporting of the following types of new or previously unreported crossings: For public highway-rail grade crossings, complete the entire inventory Form. For private highway-rail grade crossings, complete the Header, Parts I and II, and the Submission Information section. For public pathway grade crossings (including pedestrian station grade crossings), complete the Header, Parts I and II, and the Submission Information section. For Private pathway grade crossings, complete the Header, Parts I and II, and the Submission Information section. For grade-separated highway-rail or pathway crossings (including pedestrian station crossings), complete the Header, Part I, and the Submission Information section. For changes to existing data, complete the Header, Part I Items 1-3, and the Submission Information section, in addition to the updated data fields. Note: For private crossings only, Part I Item 20 and Part III Item 2.K. are required unless otherwise noted. An asterisk * denotes an optional field.

A. Revision Date *(MM/DD/YYYY)*: 07 / 05 / 2023

B. Reporting Agency: ☐ Railroad ☐ Transit ☒ State ☐ Other

C. Reason for Update *(Select only one)*: ☒ Change in Data ☐ New Crossing ☐ Closed ☐ No Train Traffic ☐ Quiet Zone Update ☐ Re-Open ☐ Date Change Only ☐ Change in Primary Operating RR ☐ Admin. Correction

D. DOT Crossing Inventory Number: 072951Y

Part I: Location and Classification Information

1. Primary Operating Railroad: Illinois Railway, LLC. [IR]

2. State: ILLINOIS

3. County: KENDALL

4. City / Municipality: ☒ In ☐ Near YORKVILLE

5. Street/Road Name & Block Number: RIVER BIRCH LANE | *(Street/Road Name)* | * *(Block Number)*

6. Highway Type & No.: MUN2736

7. Do Other Railroads Operate a Separate Track at Crossing? ☐ Yes ☒ No
If Yes, Specify RR

8. Do Other Railroads Operate Over Your Track at Crossing? ☐ Yes ☒ No
If Yes, Specify RR

9. Railroad Division or Region: ☐ None IR: FOX RIVER

10. Railroad Subdivision or District: ☐ None ILLINOIS RAILN

11. Branch or Line Name: ☐ None MONT.-STREATOR

12. RR Milepost: | 0050.31 | *(prefix)* | *(nnnn.nnn)* | *(suffix)*

13. Line Segment *: 0060

14. Nearest RR Timetable Station *: YORKVILLE

15. Parent RR *(if applicable)*: ☐ N/A

16. Crossing Owner *(if applicable)*: ☐ N/A

17. Crossing Type: ☒ Public ☐ Private

18. Crossing Purpose: ☒ Highway ☐ Pathway, Ped. ☐ Station, Ped.

19. Crossing Position: ☒ At Grade ☐ RR Under ☐ RR Over

20. Public Access *(if Private Crossing)*: ☐ Yes ☐ No

21. Type of Train: ☐ Freight ☐ Transit ☐ Intercity Passenger ☐ Shared Use Transit ☐ Commuter ☐ Tourist/Other

22. Average Passenger Train Count Per Day: ☐ Less Than One Per Day ☐ Number Per Day 0

23. Type of Land Use: ☐ Open Space ☐ Farm ☒ Residential ☐ Commercial ☐ Industrial ☐ Institutional ☐ Recreational ☐ RR Yard

24. Is there an Adjacent Crossing with a Separate Number?: ☐ Yes ☐ No If Yes, Provide Crossing Number

25. Quiet Zone *(FRA provided)*: ☒ No ☐ 24 Hr ☐ Partial ☐ Chicago Excused Date Established

26. HSR Corridor ID: ☐ N/A

27. Latitude in decimal degrees *(WGS84 std: nn.nnnnnnn)*: 41.642822

28. Longitude in decimal degrees *(WGS84 std: -nnn.nnnnnnn)*: -88.45855

29. Lat/Long Source: ☒ Actual ☐ Estimated

30.A. Railroad Use *:

31.A. State Use *:

30.B. Railroad Use *:

31.B. State Use *: LAT/LONG PER ICC BUT NOT VALIDATED

30.C. Railroad Use *:

31.C. State Use *:

30.D. Railroad Use *:

31.D. State Use *: 7/5/23-AADT; Year; % Truck Updated per IDOT March 2023 Y

32.A. Narrative *(Railroad Use)* *:

32.B. Narrative *(State Use)* *: ICC 7/5/23 - Updated AADT, Year, % Truck, State N

33. Emergency Notification Telephone No. *(posted)*: 800-832-5452

34. Railroad Contact *(Telephone No.)*: 913-551-4540

35. State Contact *(Telephone No.)*: 217-785-9026

Part II: Railroad Information

1. Estimated Number of Daily Train Movements

1.A. Total Day Thru Trains *(6 AM to 6 PM)*: 1

1.B. Total Night Thru Trains *(6 PM to 6 AM)*: 1

1.C. Total Switching Trains: 0

1.D. Total Transit Trains:

1.E. Check if Less Than One Movement Per Day ☐ How many trains per week?

2. Year of Train Count Data *(YYYY)*:

3. Speed of Train at Crossing
3.A. Maximum Timetable Speed *(mph)*: 30
3.B. Typical Speed Range Over Crossing *(mph)* From 1 to 30

4. Type and Count of Tracks
Main 1 Siding Yard Transit Industry

5. Train Detection *(Main Track only)*
☐ Constant Warning Time ☐ Motion Detection ☐AFO ☐ PTC ☒ DC ☐ Other ☐ None

6. Is Track Signaled? ☐ Yes ☒ No

7.A. Event Recorder ☐ Yes ☐ No

7.B. Remote Health Monitoring ☐ Yes ☐ No

U. S. DOT CROSSING INVENTORY FORM

A. Revision Date *(MM/DD/YYYY)*	PAGE 2	D. Crossing Inventory Number *(7 char.)*
07/05/2023		072951Y

Part III: Highway or Pathway Traffic Control Device Information

1. Are there Signs or Signals? ☒ Yes ☐ No

2. Types of Passive Traffic Control Devices associated with the Crossing

2.A. Crossbuck Assemblies *(count)*	2.B. STOP Signs *(R1-1) (count)*	2.C. YIELD Signs *(R1-2) (count)*	2.D. Advance Warning Signs *(Check all that apply; include count)* ☒ None
0	0	0	☐ W10-1 _____ ☐ W10-3 _____ ☐ W10-11 _____ ☐ W10-2 _____ ☐ W10-4 _____ ☐ W10-12 _____

2.E. Low Ground Clearance Sign *(W10-5)*	2.F. Pavement Markings	2.G. Channelization Devices/Medians	2.H. EXEMPT Sign *(R15-3)*	2.I. ENS Sign *(I-13)* Displayed
☐ Yes *(count_____)* ☐ No	☐ Stop Lines ☐ Dynamic Envelope ☐ RR Xing Symbols ☒ None	☐ All Approaches ☐ Median ☐ One Approach ☐ None	☐ Yes ☐ No	☒ Yes ☐ No

2.J. Other MUTCD Signs ☐ Yes ☒ No	2.K. Private Crossing Signs *(if private)*	2.L. LED Enhanced Signs *(List types)*
Specify Type _____ Count _____ Specify Type _____ Count _____ Specify Type _____ Count _____	☐ Yes ☐ No	

3. Types of Train Activated Warning Devices at the Grade Crossing *(specify count of each device for all that apply)*

3.A. Gate Arms *(count)*	3.B. Gate Configuration	3.C. Cantilevered *(or Bridged)* Flashing Light Structures *(count)*	3.D. Mast Mounted Flashing Lights *(count of masts)* 2	3.E. Total Count of Flashing Light Pairs
Roadway 0 Pedestrian _____	☐ 2 Quad ☐ 3 Quad ☐ 4 Quad ☐ Full *(Barrier)* Resistance ☐ Median Gates	Over Traffic Lane 0 ☐ Incandescent Not Over Traffic Lane 0 ☐ LED	☐ Incandescent ☐ LED ☐ Back Lights Included ☐ Side Lights Included	0

3.F. Installation Date of Current Active Warning Devices: *(MM/YYYY)*	3.G. Wayside Horn	3.H. Highway Traffic Signals Controlling Crossing	3.I. Bells *(count)*
_____/_____ ☐ Not Required	☐ Yes Installed on *(MM/YYYY)* _____/_____ ☐ No	☐ Yes ☒ No	1

3.J. Non-Train Active Warning	3.K. Other Flashing Lights or Warning Devices
☐ Flagging/Flagman ☐ Manually Operated Signals ☐ Watchman ☐ Floodlighting ☐ None	Count 0 Specify type _____

4.A. Does nearby Hwy Intersection have Traffic Signals?	4.B. Hwy Traffic Signal Interconnection	4.C. Hwy Traffic Signal Preemption	5. Highway Traffic Pre-Signals	6. Highway Monitoring Devices *(Check all that apply)*
☐ Yes ☐ No	☐ Not Interconnected ☐ For Traffic Signals ☐ For Warning Signs	☐ Simultaneous ☐ Advance	☐ Yes ☐ No Storage Distance * _____ Stop Line Distance * _____	☐ Yes - Photo/Video Recording ☐ Yes – Vehicle Presence Detection ☐ None

Part IV: Physical Characteristics

1. Traffic Lanes Crossing Railroad	2. Is Roadway/Pathway Paved?	3. Does Track Run Down a Street?	4. Is Crossing Illuminated? *(Street lights within approx. 50 feet from nearest rail)*
☐ One-way Traffic ☐ Two-way Traffic ☐ Divided Traffic Number of Lanes 2	☒ Yes ☐ No	☐ Yes ☒ No	☐ Yes ☐ No

5. Crossing Surface *(on Main Track, multiple types allowed)* Installation Date * *(MM/YYYY)* _____/_____ Width * _____ Length * _____

☒ 1 Timber ☐ 2 Asphalt ☐ 3 Asphalt and Timber ☐ 4 Concrete ☐ 5 Concrete and Rubber ☐ 6 Rubber ☐ 7 Metal
☐ 8 Unconsolidated ☐ 9 Composite ☐ 10 Other *(specify)* _____

6. Intersecting Roadway within 500 feet?	7. Smallest Crossing Angle	8. Is Commercial Power Available? *
☐ Yes ☒ No If Yes, Approximate Distance *(feet)* _____	☐ 0° – 29° ☐ 30° – 59° ☒ 60° - 90°	☒ Yes ☐ No

Part V: Public Highway Information

1. Highway System	2. Functional Classification of Road at Crossing	3. Is Crossing on State Highway System?	4. Highway Speed Limit
☐ (01) Interstate Highway System ☐ (02) Other Nat Hwy System (NHS) ☐ (03) Federal AID, Not NHS ☒ (08) Non-Federal Aid	☐ (0) Rural ☒ (1) Urban ☐ (1) Interstate ☐ (5) Major Collector ☐ (2) Other Freeways and Expressways ☐ (3) Other Principal Arterial ☐ (6) Minor Collector ☐ (4) Minor Arterial ☒ (7) Local	☐ Yes ☒ No	30 MPH ☒ Posted ☐ Statutory

5. Linear Referencing System *(LRS Route ID)* * 047 02736 006405

6. LRS Milepost * 0.01

7. Annual Average Daily Traffic *(AADT)*	8. Estimated Percent Trucks	9. Regularly Used by School Buses?	10. Emergency Services Route
Year 2019 AADT 50	0 %	☐ Yes ☒ No Average Number per Day 0	☐ Yes ☐ No

Submission Information - *This information is used for administrative purposes and is not available on the public website.*

Submitted by _____ Organization _____ Phone _____ Date _____

U. S. DOT CROSSING INVENTORY FORM

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION

OMB No. 2130-0017

Instructions for the initial reporting of the following types of new or previously unreported crossings: For public highway-rail grade crossings, complete the entire inventory Form. For private highway-rail grade crossings, complete the Header, Parts I and II, and the Submission Information section. For public pathway grade crossings (including pedestrian station grade crossings), complete the Header, Parts I and II, and the Submission Information section. For Private pathway grade crossings, complete the Header, Parts I and II, and the Submission Information section. For grade-separated highway-rail or pathway crossings (including pedestrian station crossings), complete the Header, Part I, and the Submission Information section. For changes to existing data, complete the Header, Part I Items 1-3, and the Submission Information section, in addition to the updated data fields. Note: For private crossings only, Part I Item 20 and Part III Item 2.K. are required unless otherwise noted. An asterisk * denotes an optional field.

A. Revision Date *(MM/DD/YYYY)*	B. Reporting Agency	C. Reason for Update *(Select only one)*	D. DOT Crossing Inventory Number
07 / 05 / 2023	☐ Railroad ☐ Transit ☒ State ☐ Other	☒ Change in Data ☐ New Crossing ☐ Closed ☐ No Train Traffic ☐ Quiet Zone Update ☐ Re-Open ☐ Date Change Only ☐ Change in Primary Operating RR ☐ Admin. Correction	917526L

Part I: Location and Classification Information

1. Primary Operating Railroad	2. State	3. County
Illinois Railway, LLC. [IR]	ILLINOIS	KENDALL

4. City / Municipality	5. Street/Road Name & Block Number	6. Highway Type & No.
☒ In ☐ Near YORKVILLE	POPLAR DRIVE *(Street/Road Name)* | * *(Block Number)*	MUN2720

7. Do Other Railroads Operate a Separate Track at Crossing? ☐ Yes ☒ No	8. Do Other Railroads Operate Over Your Track at Crossing? ☐ Yes ☒ No
If Yes, Specify RR	If Yes, Specify RR

9. Railroad Division or Region	10. Railroad Subdivision or District	11. Branch or Line Name	12. RR Milepost
☐ None ILLINOIS RLNET	☐ None ILLINOIS RAILN	☐ None MONT-STREATOR	| 0051.17 | *(prefix) | (nnnn.nnn) | (suffix)*

13. Line Segment *	14. Nearest RR Timetable Station *	15. Parent RR *(if applicable)*	16. Crossing Owner *(if applicable)*
0060	YORKVILLE	☐ N/A	☐ N/A

17. Crossing Type	18. Crossing Purpose	19. Crossing Position	20. Public Access *(if Private Crossing)*	21. Type of Train		22. Average Passenger Train Count Per Day
☒ Public ☐ Private	☒ Highway ☐ Pathway, Ped. ☐ Station, Ped.	☒ At Grade ☐ RR Under ☐ RR Over	☐ Yes ☐ No	☐ Freight ☐ Intercity Passenger ☐ Commuter	☐ Transit ☐ Shared Use Transit ☐ Tourist/Other	☐ Less Than One Per Day ☐ Number Per Day 0

23. Type of Land Use
☐ Open Space ☐ Farm ☒ Residential ☐ Commercial ☐ Industrial ☐ Institutional ☐ Recreational ☐ RR Yard

24. Is there an Adjacent Crossing with a Separate Number?	25. Quiet Zone *(FRA provided)*
☐ Yes ☒ No If Yes, Provide Crossing Number	☒ No ☐ 24 Hr ☐ Partial ☐ Chicago Excused Date Established

26. HSR Corridor ID	27. Latitude in decimal degrees	28. Longitude in decimal degrees	29. Lat/Long Source
☐ N/A	*(WGS84 std: nn.nnnnnnn)* 41.6367607	*(WGS84 std: -nnn.nnnnnnn)* -88.4688034	☒ Actual ☐ Estimated

30.A. Railroad Use *	31.A. State Use * 888-369-7524 ON XING
30.B. Railroad Use *	31.B. State Use * LAT/LONG PER ICC BUT NOT VALIDATED
30.C. Railroad Use *	31.C. State Use *
30.D. Railroad Use *	31.D. State Use * 7/5/23-AADT; Year; % Truck Updated per IDOT March 2023 Y
32.A. Narrative *(Railroad Use)* *	32.B. Narrative *(State Use)* * ICC 7/5/23 - Updated AADT, Year, % Truck, State N

33. Emergency Notification Telephone No. *(posted)*	34. Railroad Contact *(Telephone No.)*	35. State Contact *(Telephone No.)*
		217-785-9026

Part II: Railroad Information

1. Estimated Number of Daily Train Movements

1.A. Total Day Thru Trains *(6 AM to 6 PM)*	1.B. Total Night Thru Trains *(6 PM to 6 AM)*	1.C. Total Switching Trains	1.D. Total Transit Trains	1.E. Check if Less Than One Movement Per Day ☐ How many trains per week?
1	0	0		

2. Year of Train Count Data *(YYYY)*	3. Speed of Train at Crossing
	3.A. Maximum Timetable Speed *(mph)* 30 3.B. Typical Speed Range Over Crossing *(mph)* From 1 to 30

4. Type and Count of Tracks
Main 1 Siding ____ Yard ____ Transit ____ Industry ____

5. Train Detection *(Main Track only)*
☒ Constant Warning Time ☐ Motion Detection ☐AFO ☐ PTC ☐ DC ☐ Other ☐ None

6. Is Track Signaled?	7.A. Event Recorder	7.B. Remote Health Monitoring
☐ Yes ☒ No	☐ Yes ☐ No	☐ Yes ☐ No

U. S. DOT CROSSING INVENTORY FORM

A. Revision Date *(MM/DD/YYYY)*	PAGE 2	D. Crossing Inventory Number *(7 char.)*
07/05/2023		917526L

Part III: Highway or Pathway Traffic Control Device Information

1. Are there Signs or Signals? ☒ Yes ☐ No

2. Types of Passive Traffic Control Devices associated with the Crossing

2.A. Crossbuck Assemblies *(count)*	2.B. STOP Signs *(R1-1)* *(count)*	2.C. YIELD Signs *(R1-2)* *(count)*	2.D. Advance Warning Signs *(Check all that apply; include count)* ☒ None
0	0		☐ W10-1 _____ ☐ W10-3 _____ ☐ W10-11 _____ ☐ W10-2 _____ ☐ W10-4 _____ ☐ W10-12 _____

2.E. Low Ground Clearance Sign *(W10-5)*	2.F. Pavement Markings	2.G. Channelization Devices/Medians	2.H. EXEMPT Sign *(R15-3)*	2.I. ENS Sign *(I-13)* Displayed
☐ Yes *(count_____)* ☒ No	☐ Stop Lines ☐ Dynamic Envelope ☐ RR Xing Symbols ☒ None	☐ All Approaches ☐ Median ☐ One Approach ☐ None	☐ Yes ☐ No	☐ Yes ☐ No

2.J. Other MUTCD Signs ☐ Yes ☒ No

Specify Type _____ Count _____
Specify Type _____ Count _____
Specify Type _____ Count _____

2.K. Private Crossing Signs *(if private)* ☐ Yes ☐ No

2.L. LED Enhanced Signs *(List types)*

3. Types of Train Activated Warning Devices at the Grade Crossing *(specify count of each device for all that apply)*

3.A. Gate Arms *(count)*	3.B. Gate Configuration	3.C. Cantilevered *(or Bridged)* Flashing Light Structures *(count)*	3.D. Mast Mounted Flashing Lights *(count of masts)* 0	3.E. Total Count of Flashing Light Pairs
Roadway 2 Pedestrian _____	☐ 2 Quad ☐ 3 Quad ☐ 4 Quad ☐ Full *(Barrier)* Resistance ☐ Median Gates	Over Traffic Lane 0 ☐ Incandescent Not Over Traffic Lane 0 ☐ LED	☐ Incandescent ☐ LED ☐ Back Lights Included ☐ Side Lights Included	4

3.F. Installation Date of Current Active Warning Devices: *(MM/YYYY)*	3.G. Wayside Horn	3.H. Highway Traffic Signals Controlling Crossing	3.I. Bells *(count)*
_____/_____ ☐ Not Required	☐ Yes Installed on *(MM/YYYY)* _____/_____ ☐ No	☐ Yes ☒ No	2

3.J. Non-Train Active Warning
☐ Flagging/Flagman ☐ Manually Operated Signals ☐ Watchman ☐ Floodlighting ☐ None

3.K. Other Flashing Lights or Warning Devices
Count 0 Specify type _____

4.A. Does nearby Hwy Intersection have Traffic Signals?	4.B. Hwy Traffic Signal Interconnection	4.C. Hwy Traffic Signal Preemption	5. Highway Traffic Pre-Signals	6. Highway Monitoring Devices *(Check all that apply)*
☐ Yes ☒ No	☒ Not Interconnected ☐ For Traffic Signals ☐ For Warning Signs	☐ Simultaneous ☐ Advance	☐ Yes ☐ No Storage Distance * _____ Stop Line Distance * _____	☐ Yes - Photo/Video Recording ☐ Yes – Vehicle Presence Detection ☐ None

Part IV: Physical Characteristics

1. Traffic Lanes Crossing Railroad	2. Is Roadway/Pathway Paved?	3. Does Track Run Down a Street?	4. Is Crossing Illuminated? *(Street lights within approx. 50 feet from nearest rail)*
☐ One-way Traffic ☐ Two-way Traffic ☐ Divided Traffic Number of Lanes 2	☒ Yes ☐ No	☐ Yes ☒ No	☐ Yes ☐ No

5. Crossing Surface *(on Main Track, multiple types allowed)* Installation Date * *(MM/YYYY)* _____/_____ Width * _____ Length * _____
☐ 1 Timber ☐ 2 Asphalt ☐ 3 Asphalt and Timber ☒ 4 Concrete ☐ 5 Concrete and Rubber ☐ 6 Rubber ☐ 7 Metal
☐ 8 Unconsolidated ☐ 9 Composite ☐ 10 Other *(specify)* _____

6. Intersecting Roadway within 500 feet?	7. Smallest Crossing Angle	8. Is Commercial Power Available? *
☒ Yes ☐ No If Yes, Approximate Distance *(feet)* _____	☐ 0° – 29° ☐ 30° – 59° ☒ 60° - 90°	☒ Yes ☐ No

Part V: Public Highway Information

1. Highway System	2. Functional Classification of Road at Crossing	3. Is Crossing on State Highway System?	4. Highway Speed Limit
☐ (01) Interstate Highway System ☐ (02) Other Nat Hwy System (NHS) ☐ (03) Federal AID, Not NHS ☒ (08) Non-Federal Aid	☐ (0) Rural ☒ (1) Urban ☐ (1) Interstate ☐ (5) Major Collector ☐ (2) Other Freeways and Expressways ☐ (3) Other Principal Arterial ☐ (6) Minor Collector ☐ (4) Minor Arterial ☒ (7) Local	☐ Yes ☒ No	30 MPH ☒ Posted ☐ Statutory

5. Linear Referencing System *(LRS Route ID)* * 047 02720 006405
6. LRS Milepost * 0.8

7. Annual Average Daily Traffic *(AADT)*	8. Estimated Percent Trucks	9. Regularly Used by School Buses?	10. Emergency Services Route
Year 2019 AADT 750	4 %	☒ Yes ☐ No Average Number per Day 6	☐ Yes ☐ No

Submission Information - *This information is used for administrative purposes and is not available on the public website.*

Submitted by _____ Organization _____ Phone _____ Date _____

U. S. DOT CROSSING INVENTORY FORM

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION

OMB No. 2130-0017

Instructions for the initial reporting of the following types of new or previously unreported crossings: For public highway-rail grade crossings, complete the entire inventory Form. For private highway-rail grade crossings, complete the Header, Parts I and II, and the Submission Information section. For public pathway grade crossings (including pedestrian station grade crossings), complete the Header, Parts I and II, and the Submission Information section. For Private pathway grade crossings, complete the Header, Parts I and II, and the Submission Information section. For grade-separated highway-rail or pathway crossings (including pedestrian station crossings), complete the Header, Part I, and the Submission Information section. For changes to existing data, complete the Header, Part I Items 1-3, and the Submission Information section, in addition to the updated data fields. Note: For private crossings only, Part I Item 20 and Part III Item 2.K. are required unless otherwise noted. An asterisk * denotes an optional field.

A. Revision Date *(MM/DD/YYYY)*: 07 / 05 / 2023

B. Reporting Agency: ☐ Railroad ☐ Transit ☒ State ☐ Other

C. Reason for Update *(Select only one)*: ☒ Change in Data ☐ New Crossing ☐ Closed ☐ No Train Traffic ☐ Quiet Zone Update ☐ Re-Open ☐ Date Change Only ☐ Change in Primary Operating RR ☐ Admin. Correction

D. DOT Crossing Inventory Number: 977342A

Part I: Location and Classification Information

1. Primary Operating Railroad: Illinois Railway, LLC. [IR]

2. State: ILLINOIS

3. County: KENDALL

4. City / Municipality: ☒ In ☐ Near YORKVILLE

5. Street/Road Name & Block Number: Hoover Rd | *(Street/Road Name)* | *(Block Number)*

6. Highway Type & No.: City Street

7. Do Other Railroads Operate a Separate Track at Crossing? ☐ Yes ☒ No
If Yes, Specify RR

8. Do Other Railroads Operate Over Your Track at Crossing? ☐ Yes ☒ No
If Yes, Specify RR

9. Railroad Division or Region: ☐ None Illinois Railway

10. Railroad Subdivision or District: ☐ None Ottawa

11. Branch or Line Name: ☒ None

12. RR Milepost: | 0051.59 | *(prefix) | (nnnn.nnn) | (suffix)*

13. Line Segment *:

14. Nearest RR Timetable Station *: Yorkville

15. Parent RR *(if applicable)*: ☐ N/A IR

16. Crossing Owner *(if applicable)*: ☐ N/A IR

17. Crossing Type: ☒ Public ☐ Private

18. Crossing Purpose: ☒ Highway ☐ Pathway, Ped. ☐ Station, Ped.

19. Crossing Position: ☒ At Grade ☐ RR Under ☐ RR Over

20. Public Access *(if Private Crossing)*: ☐ Yes ☐ No

21. Type of Train: ☒ Freight ☐ Intercity Passenger ☐ Commuter ☐ Transit ☐ Shared Use Transit ☐ Tourist/Other

22. Average Passenger Train Count Per Day: ☐ Less Than One Per Day ☐ Number Per Day 0

23. Type of Land Use: ☒ Open Space ☐ Farm ☐ Residential ☐ Commercial ☐ Industrial ☐ Institutional ☐ Recreational ☐ RR Yard

24. Is there an Adjacent Crossing with a Separate Number?: ☐ Yes ☒ No If Yes, Provide Crossing Number

25. Quiet Zone *(FRA provided)*: ☐ No ☐ 24 Hr ☐ Partial ☐ Chicago Excused Date Established

26. HSR Corridor ID: ☒ N/A

27. Latitude in decimal degrees *(WGS84 std: nn.nnnnnnn)*: 41.6330417

28. Longitude in decimal degrees *(WGS84 std: -nnn.nnnnnnn)*: -88.4752722

29. Lat/Long Source: ☒ Actual ☐ Estimated

30.A. Railroad Use *:

31.A. State Use *: PERMANENT DOT # ASSIGNED 5/15/2019 BY IR - 977342A

30.B. Railroad Use *:

31.B. State Use *: LAT/LONG PER ICC-SL 2021

30.C. Railroad Use *:

31.C. State Use *:

30.D. Railroad Use *:

31.D. State Use *: 7/5/23-AADT; Year; % Truck Updated per IDOT March 2023 Y

32.A. Narrative *(Railroad Use)* *:

32.B. Narrative *(State Use)* *: ICC 7/5/23 - Updated AADT, Year, % Truck, State N

33. Emergency Notification Telephone No. *(posted)*: 800-553-9416

34. Railroad Contact *(Telephone No.)*: 815-431-0940

35. State Contact *(Telephone No.)*: 217-785-9026

Part II: Railroad Information

1. Estimated Number of Daily Train Movements

1.A. Total Day Thru Trains *(6 AM to 6 PM)*	1.B. Total Night Thru Trains *(6 PM to 6 AM)*	1.C. Total Switching Trains	1.D. Total Transit Trains	1.E. Check if Less Than One Movement Per Day ☐ How many trains per week?
4	4	0	0	

2. Year of Train Count Data *(YYYY)*: 2019

3. Speed of Train at Crossing
3.A. Maximum Timetable Speed *(mph)*: 25
3.B. Typical Speed Range Over Crossing *(mph)* From 5 to 25

4. Type and Count of Tracks
Main 1 Siding 0 Yard 0 Transit 0 Industry 0

5. Train Detection *(Main Track only)*
☒ Constant Warning Time ☐ Motion Detection ☐ AFO ☐ PTC ☐ DC ☐ Other ☐ None

6. Is Track Signaled? ☐ Yes ☒ No

7.A. Event Recorder ☒ Yes ☐ No

7.B. Remote Health Monitoring ☒ Yes ☐ No

U. S. DOT CROSSING INVENTORY FORM

A. Revision Date *(MM/DD/YYYY)*	PAGE 2	D. Crossing Inventory Number *(7 char.)*
07/05/2023		977342A

Part III: Highway or Pathway Traffic Control Device Information

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2. Types of Passive Traffic Control Devices associated with the Crossing

2.A. Crossbuck Assemblies *(count)*	2.B. STOP Signs *(R1-1) (count)*	2.C. YIELD Signs *(R1-2) (count)*	2.D. Advance Warning Signs *(Check all that apply; include count)* ☐ None
2	0	0	☒ W10-1 2 ☐ W10-3 ☐ W10-11 ☐ W10-2 ☐ W10-4 ☐ W10-12

2.E. Low Ground Clearance Sign *(W10-5)*	2.F. Pavement Markings	2.G. Channelization Devices/Medians	2.H. EXEMPT Sign *(R15-3)*	2.I. ENS Sign *(I-13)* Displayed
☐ Yes *(count_____)* ☒ No	☐ Stop Lines ☐ Dynamic Envelope ☐ RR Xing Symbols ☒ None	☐ All Approaches ☐ Median ☐ One Approach ☒ None	☐ Yes ☒ No	☒ Yes ☐ No

2.J. Other MUTCD Signs ☐ Yes ☒ No	2.K. Private Crossing Signs *(if private)*	2.L. LED Enhanced Signs *(List types)*
Specify Type _____ Count _____ Specify Type _____ Count _____ Specify Type _____ Count _____	☐ Yes ☐ No	

3. Types of Train Activated Warning Devices at the Grade Crossing *(specify count of each device for all that apply)*

3.A. Gate Arms *(count)*	3.B. Gate Configuration	3.C. Cantilevered *(or Bridged)* Flashing Light Structures *(count)*	3.D. Mast Mounted Flashing Lights *(count of masts)* 2	3.E. Total Count of Flashing Light Pairs
Roadway 2 Pedestrian 0	☒ 2 Quad ☐ Full *(Barrier)* Resistance ☐ 3 Quad ☐ 4 Quad ☐ Median Gates	Over Traffic Lane 0 ☐ Incandescent Not Over Traffic Lane 0 ☐ LED	☐ Incandescent ☒ LED ☐ Back Lights Included ☐ Side Lights Included	4

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☐ Flagging/Flagman ☐ Manually Operated Signals ☐ Watchman ☐ Floodlighting ☒ None	Count 0 Specify type _____

4.A. Does nearby Hwy Intersection have Traffic Signals?	4.B. Hwy Traffic Signal Interconnection	4.C. Hwy Traffic Signal Preemption	5. Highway Traffic Pre-Signals	6. Highway Monitoring Devices *(Check all that apply)*
☐ Yes ☒ No	☒ Not Interconnected ☐ For Traffic Signals ☐ For Warning Signs	☐ Simultaneous ☐ Advance	☐ Yes ☒ No Storage Distance * _____ Stop Line Distance * _____	☐ Yes - Photo/Video Recording ☐ Yes – Vehicle Presence Detection ☒ None

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1. Traffic Lanes Crossing Railroad	2. Is Roadway/Pathway Paved?	3. Does Track Run Down a Street?	4. Is Crossing Illuminated? *(Street lights within approx. 50 feet from nearest rail)*
☐ One-way Traffic ☒ Two-way Traffic ☐ Divided Traffic Number of Lanes 2	☒ Yes ☐ No	☐ Yes ☒ No	☐ Yes ☒ No

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☐ 8 Unconsolidated ☐ 9 Composite ☐ 10 Other *(specify)* _____

6. Intersecting Roadway within 500 feet?	7. Smallest Crossing Angle	8. Is Commercial Power Available? *
☐ Yes ☒ No If Yes, Approximate Distance *(feet)* _____	☐ 0° – 29° ☐ 30° – 59° ☒ 60° - 90°	☒ Yes ☐ No

Part V: Public Highway Information

1. Highway System	2. Functional Classification of Road at Crossing	3. Is Crossing on State Highway System?	4. Highway Speed Limit
☐ (01) Interstate Highway System ☐ (02) Other Nat Hwy System (NHS) ☐ (03) Federal AID, Not NHS ☒ (08) Non-Federal Aid	☒ (0) Rural ☐ (1) Urban ☐ (1) Interstate ☐ (5) Major Collector ☐ (2) Other Freeways and Expressways ☐ (3) Other Principal Arterial ☐ (6) Minor Collector ☐ (4) Minor Arterial ☒ (7) Local	☐ Yes ☒ No	25 MPH ☐ Posted ☒ Statutory

5. Linear Referencing System *(LRS Route ID)* *

6. LRS Milepost *

7. Annual Average Daily Traffic *(AADT)*	8. Estimated Percent Trucks	9. Regularly Used by School Buses?	10. Emergency Services Route
Year 2019 AADT 250	7 %	☐ Yes ☒ No Average Number per Day _____	☐ Yes ☒ No

Submission Information - *This information is used for administrative purposes and is not available on the public website.*

Submitted by _____ Organization _____ Phone _____ Date _____

Reviewed By:	
Legal	☐
Finance	☐
Engineer	■
City Administrator	☐
Community Development	☐
Purchasing	☐
Police	☐
Public Works	■
Parks and Recreation	☐

Agenda Item Number

New Business #6

Tracking Number

PW 2024-71

Agenda Item Summary Memo

Title: Public Works and Parks Facility – Final Concept Plan

Meeting and Date: Public Works Committee – August 20, 2024

Synopsis: Please see the attached memo.

Council Action Previously Taken:

Date of Action: _____ Action Taken: _____

Item Number: _____

Type of Vote Required: Majority

Council Action Requested: Approval

Submitted by: Bart Olson (Name) Administration (Department)

Agenda Item Notes:

Have a question or comment about this agenda item?
Call us Monday-Friday, 8:00am to 4:30pm at 630-553-4350, email us at agendas@yorkville.il.us, post at www.facebook.com/CityofYorkville, tweet us at @CityofYorkville, and/or contact any of your elected officials at http://www.yorkville.il.us/320/City-Council

Memorandum

To: City Council
From: Bart Olson, City Administrator
CC:
Date: August 12, 2024
Subject: Public Works and Parks facility – final concept plan

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Summary

Review of concept plans and cost estimates for the Public Works and Parks Building.

Background

This item was last discussed by the City Council in January, when the City Council approved an architectural contract with Kluber for design and bidding assistance for the upcoming Yorkville Public Works and Parks Maintenance Facility. Post contract approval, members of the City Council and staff toured the South Elgin Public Works and Parks facility, and the Montgomery Public Works facility and provided feedback to the Kluber team. Since that time and in accordance with the feedback we have given them, Kluber has been modifying the final concept plans for the Yorkville facility and is ready to present the final concept / space needs plan.

In general, the planned building now sits at 116,311 s.f. and a $35.8m to $38.5m total project budget (not including site acquisition). This is an increase in size and cost from June 2023's (the last City Council viewed concept plan) concept plan in the following ways:

1) Cost has increased from a range of $28.2m-$30.1m to $35.8m-$38.5m due to increase in building size and more developed site design information, based on feedback from our consultants, elected officials and staff.

2) The building size has increased from 93,567 s.f.[1] to 116,311 s.f. (a net increase of 22,744 s.f.) due to:
    a. A- Administration Areas: We have increased the size of the administration areas to accommodate revised staffing numbers and staff feedback. Net increase is 2,261 s.f.
    b. B – Employee Support Areas: (Includes locker room, lunch/training room & added back in the staff fitness room) from feedback after touring the Montgomery facility. Net increase is 4,640 s.f.
    c. C – Fleet Garage Parking: We have increased the width of the fleet garage to take advantage of maximum spans of structural materials, to accommodate recent

[1] The communicated square footage in June 2023 was 87,000 s.f. This figure was incorrect, due to a math/spreadsheet error. The tallied up square footage of the entire facility as shown within the document was 93,000 s.f.. All of the cost estimates from June 2023 remain correct.

purchases of vehicles and equipment, and based on operational feedback from Montgomery staff, allowing us more room to park and maneuver equipment than the prior plans. This results in a change from a one lane garage to a full two-lane garage. Net increase is ~6,125 s.f.

d. C – Fleet Garage Mezzanine: We have increased the size of the garage mezzanine for equipment storage, based on the success of the Montgomery mezzanine layout. A smaller mezzanine was planned in June 2023. We also added a storage mezzanine above the Fleet Maintenance garage based feedback received from the tours. Net increase is 4,879 s.f.
e. D – Shops: We revised the configuration of the shops to include shared toilet/shower rooms, additional in shop racking and access to the interior garage and east exterior parking areas. Net increase: 3,587 s.f.
f. E – Fleet Maintenance: We revised the fleet maintenance depth and width of the wash bay area er to accommodate two simultaneous wash vehicles and two landing platforms based upon feedback from the Montgomery tour. This was based on staff feedback from the Montgomery facility visit. Net increase of 1,252 s.f.

3) The building has changed in the following ways:
    a. We have made the garage area more compact/rectangular, in an effort to condense the footprint and cut costs, as originally requested by Alderman Funkhouser.
    b. We have changed the location of the wash bay from the westside of the building and north-south orientation, to a location of the wash bay on the southeast corner of the building with an east-west orientation. This allows the doors to be opened to promote airflow.
    c. We have changed the location of the mechanics bay from an eastern location that is nose-in access only, to the southeast corner of the building with an east-west orientation and full pull through garage (doors on east and west).
    d. We adjusted the fleet maintenance area to have an in-ground, heavy-duty scissor lift flush to the floor per feedback received from the Montgomery tour.
    e. We have added exterior overhead doors from each shop to allow flexibility in loading and receiving equipment directly into the shop spaces.

In addition to the changes identified above, a number of policy options will need to be reviewed by the City Council:

4) We have identified an opportunity for more covered parking along the east side of the building through the design of a carport roof as an optional bid spec at an estimated cost of $958,000. Staff recommends including this as an alternate bid option.

5) If the City Council wants to expand the building now or later, we have identified the following areas for building expansion:
    a. The office/administrative areas can be expanded to the north/northeast if needed.
    b. The garage can be extended to the north or south, with minimal conflicts.

6) If the City Council wants to reduce the building size or cost, we have identified the following areas for consideration (no specific cost estimates are proposed):
    a. The garage could be reduced to the north or south. This change would require a change in the east shop widths and lengths to accommodate the reduced garage size but would not compromise their use.
    b. We could remove / reverse any number of recent additions:
        1. Fitness room
        2. Shrink size of fleet maintenance
        3. Shrink size of wash bay
        4. Reduce mezzanine

As a general reminder, and as discussed in the construction manager RFQ agenda item, none of the above takes into account that Kluber and our future construction manager will be tasked with value engineering the design and the construction process in ways to save money. This may result in changes to the building in the future, at their recommendation.

Recommendation

Staff requests feedback on the final Public Works and Parks Maintenance Facility concept plan. Staff recommends approval of the plan as presented. Should the City Council endorse the final plan, we will move to construction manager selection as contemplated in the other agenda item. Should the City Council request changes to this plan, we will bring back the plan to a future meeting.

FINAL SCHEMATIC DESIGN DELIVERABLE

July 12, 2024

Yorkville Combined Public Works & Parks Department Facility

SUBMITTED TO:

United City of Yorkville

651 Prairie Point Drive

Yorkville, Illinois 60560

July 12, 2024

Mr. Bart Olson
City Administrator
United City of Yorkville
651 Prairie Pointe Drive
Yorkville, Illinois 60560

Re: Yorkville Combined Public Works & Parks Department Facility
Final Schematic Design Deliverable
Kluber Project No. 1370

The Kluber team has enjoyed the opportunity to continue to work with the representatives from the United City of Yorkville for the design of the combined Public Works and Parks Department facility. The revised design solution includes updated programmatic information that includes recent employee hires, future employee projections and fleet and apparatus quantity updates. The revised Schematic Design solution now incorporates all fleet and apparatus under one roof and accommodates additional fleet and apparatus projections through fiscal year 2030 in the design solution as requested by the City of Yorkville team.

The revised project size totals 116,311 S.F. and includes all Public Works and Parks Department needs.

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

Building Program
This section identifies each space name and its updated size along with the various components that need to be included in the space. For your convenience, any items that have been revised since the original program statement was developed in 2021 are noted in red text in select cells of the program statement attached hereto.

Design Images
We have created three-dimensional exterior design images that describe our proposed exterior design solution. These images include information on the building form and aesthetic. The primary elements are load-bearing precast panels with combinations of stone and brick masonry veneer in select locations. Windows are anticipated to be fixed aluminum type as shown with energy efficient glazing systems.

Site & Building Plans
We have included updated Schematic Design floor plans and site drawings in this section. The site plans include the design basis for utility connections, proposed parking lot layout configurations, sidewalks and site fencing design strategies. The revised floor plans include a more compact floor plan for the vehicle garage and an open concept gender-neutral locker-room facility with private changing rooms. The revised facility design concept is based on the updated programmatic space needs identified in the revised building program statement and are the result of numerous owner meetings conducted over the last few months.

Basis of Design
The Basis of Design is a series of written descriptions that reference the building codes, the proposed building materials and building structure; descriptions of HVAC, plumbing, and electrical systems; connections to available utilities; and the necessary site development content.

Preliminary Opinion of Probable Cost
The Kluber team has included an updated Opinion of Probable Costs for the combined facility. The updated project cost information can be found in this section.

Next Steps:

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

Sincerely,

Christopher Hansen, AIA, NCARB
Project Manager
chansen@kluberinc.com

Table of Contents

Building Program

This section breaks down the individual building spaces that comprise the project including quantities and space sizes. This program statement has been revised to include additional Owner information on fleet and personnel requirements. Items in red text reflect updated Owner requirements that differ from the original 2021 study phase.

Public Works – Space Needs

Location	Yorkville, Illinois			Updated By: SKF		
Tag	Space Name	Qty	Length	Width	NSF	Notes
A- Administration						
A-W1	Private Office (180 NSF)	5.00	18	10	900	Director Office with small conferencing table in room.Assistant Director, 2 Superintendents, Facilities Maintenance Director
A-W2	Private Office (140 NSF)	2.00	14	10	280	Each forman(5) has a private office with a printer, near point of discharge
A-W4	Open Office Staff- 6'x7' Cube	14.00	6	11	924	Need cubicles for operators(6'x7') x 14 people (includes Circ. Space)
A-W5	Open Office Staff- 4' Desk	16.00	4	8	512	MWII desk space x 16 people (Includes Circulation Space)
A-W6	SHARED Small Conference Room (14 ppl)	1.00	34	14	476	Meetings with director and foremen/. Shared Conference room, 14 ppl.
A-W7	Active Files Room	1.00	17	8	136	Can share any needed file space with Parks. Most files locked in HR office.
A-W8	Copy/Work Room	1.00	17	9	153	need on admin side, shared with parks
A-W9	Plan/Map Room	1.00	17	11	187	Retaining 8 flat files(10 drawers each). OLD:Digital and hard copies need apx 12 cabinets of flat files with Parks needs accommodated.
A-W10	Reception Desk	1.00	19	9	171	security controlled checkpoint for building shared with Parks
A-W11	Lobby	1.00	14	8	112	security controlled public lobby with direct access to public toilets
A-W12	Dead File Storage	0.00	50	20	0	Can be on upper level mezzanine with elevator access, possibly accounted for in Old Public Works Building, need temp control and water tight, check sqft.
					3,851	
B - Employee Support						
B-W1	Fitness Room	1.00	20	30	600	
B-W2	Locker Rooms - Men and Women	1.00	38	30	1,140	need 24x36 lockers fit hangers with carhartts, want boot drawers (16 current PW employees, 31 projected with lockers at 20 years, includes seasonal and part time)
B-W3	Lunch / Break	1.00	20	45	900	lunch room has one more division wall in addition to training divider (39 projected PW people by 20 years, includes mechanics)
B-W4	Training	1.00	29	39	1,131	can be used as additional large conference
B-W5	Kitchenette/Vending	1.00	17	14	238	want 5-6 microwaves, ice, and do not want vending, no cooking, lots of fridge space,less freezer
B-W6	Wash Down/ Laundry Room/Boot Drying	1.00	16	16	256	adjacent to apparatus bay and locker rooms. Includes laundry and boot dyers.
					4,265	

Public Works – Space Needs (Cont'd.)

Location	Yorkville, Illinois			Updated By: SKF		
Tag	Space Name	Qty	Length	Width	NSF	Notes
C - Fleet Garage						
C-W1	Vehicle Parking	1.00	204	192	39,168	drive through style including all revised vehcile and equipment lists provided in 2024 by Owner. accounts for 15% growth
C-W2	Barricades/Road Signs Storage	1.00	6	20	120	Indoor storage racking in garage if possible at perimeter walls or on Mezzanine. If not outdoor storage if sheltered.
					39,288	
C - Fleet Garage - Mezzanine						
C-W3	Mezzanine Storage	1.00	32	192	6,144	Added mezzanine per owner request
					6,144	
D - Shops						
D-W1	Public Works Open Shop	1.00	36	48	1,728	wood working and welding
D-W2	Sign Shop	1.00	28	30	840	want sign shop. Store inventory and make street signs and specialties
D-W3	Public Works Electrical Shop	1.00	30	48	1,440	electrical done in mixed use shop, need storage for traffic lights, includes tool crib
D-W4	Sewer and Water Shop	1.00	30	48	1,440	near pipe and parts storage, includes tool crib
D-W5	Pipe/Parts Storage	1.00	12	20	240	can be outside, under roof cover,need storage space for manhole covers/lids and frames
D-W7	Outdoor Tool Room	1.00	24	30	720	chain saws, drills, shovels, rakes,chains, generators,bolt cutters, knuts and bolts
D-W8	Shop Toilets and Cleanup	3.00	12	18	648	chain saws, drills, shovels, rakes,chains, generators,bolt cutters, knuts and bolts
					7,056	
E - Fleet Maintenance						
E-W1	Head Mechanic Office(140SF)	1.00	12	10	120	head mechanic office
E-W2	Technicians' Offices(160SF)	1.00	14	10	140	shared office for 2 technicians, with reference library shelving
E-W3	Mechanic's Toilet room	1.00	8	7	56	
E-W4	Maintenance/Repair Bay	3.00	15	60	2,700	planning for 1 heavy lift, 2 above ground lifts, and one open bay for on slab maintenance.
E-W5	Bulk Fluid Storage	1.00	30	16	480	200 Gal Hydrolic Oil, (8) 55 Gal drums for motor oil,100 Gal Def, 100 Gal 93 Octane Gas, 55 Gal Antifreeze, 50 Gal windsheild washer fluid, waste oil containment. Flammable materials to be stored in this room.
E-W6	Fleet Maintenance Shop	1.00	18	18	324	tire balancer, tire mounter, welding table, work benches, press machines, etc. part of E-W3
E-W7	Parts Storage	1.00	12	28	336	fleet maintenance parts for PW & Parks
E-W8	Parts Storage (Mezzanine)	1.00	70	12	840	air compressors, may need elevator for ease of transport 500sf for tire storage
E-W9	Wash Bay (Manual)	1.00	118	25	2,950	Revised to two vehciles deep bay. Length of room increased. prefer to tip over trucks to spray off, do not like automated undercarraige. High capacity hose down with hot/cold water, want soap selection, and catwalk or platform
E-W10	Tire Storage (Mezzanine)	1.00	20	10	200	200-300 SF
					8,146	

Public Works – Space Needs (Cont'd.)

Location	Yorkville, Illinois			Updated By: SKF		
Tag	Space Name	Qty	Length	Width	NSF	Notes
F - Building Services						
F-W1	Entrance Vestibule	3.00	9	7	189	
F-W2	1st Floor Public Toilet Rooms	2.00	20	10	400	
F-W3	Elevator	1.00	8	9	72	
F-W4	Elevator Equipment	1.00	7	8	56	
F-W5	Access Stairways	2.00	10	24	480	to mezzanine areas
F-W6	Electrical Room	1.00	10	16	160	
F-W7	Water Service Room	1.00	10	10	100	
F-W8	1st Floor Janitor Closet	1.00	6	4	24	
F-W9	MDF/Server Room	1.00	11	8	88	
F-W10	SCADA Room	1.00	10	10	100	
					1,669	
	Public Works Totals					
	Total SF				**70,419**	
G - Outdoor Facilities						
G-W01	Salt dome	1.00	72	Dia	4,075	72' diameter with 12' wall height = 3000 TONS, DomeCorp Reference
G-W02	Bulk Dry Storage- Outdoor	8.00	24	16	3,072	6 covered bins, plus debree storages, broken concrete and asphalt can be open, and slop area, (mulch and black dirt shared with parks?) need drying area
G-W03	Fueling Station	1.00	0	0	0	shared with Parks, and KAT.2000 Gal Diesel, 5000 Gal Gasoline - (Allowance Figure)
					7,147	

Parks Department – Space Needs

Location	Yorkville, Illinois			Updated By: SKF		
Tag	Space Name	Qty	Length	Width	NSF	Notes
A - Administration						
A-P1	Private Office (180 NSF)	1.00	18	10	180	Parks Superintendent
A-P2	Private Office (140 NSF)	3.00	14	10	420	Separate Private Offices for Foreman
A-P5	Large Conference Room (220 NSF)	0.00	22	10	0	Parks wants 18-20 person meeting space, possible park board meetings. Will use MP Room
A-P7	Active Files Room (110 NSF)	1.00	17	8	136	Can be shared with PW. Regular lateral files in this room.
A-P8	Copy/Work Room	1.00	17	9	153	Parks and PW can share
A-P9	Plan/Map Room	1.00	17	11	187	Can share with PW Plan/Map room. OLD:Need 5 flat files for Parks.
A-P10	Reception Desk	1.00	19	9	171	Can share reception with PW
A-P11	Lobby	1.00	14	8	112	Security controlled shared with PW
A-P12	Open Office Staff - 6'x7' Cube	11.00	6	11	726	Parks needs 11 - 6x7 cubes (Includes Circulation Space)
A-P13	Open Office Staff -4' Desk	18.00	4	8	576	Parks needs 18 - 4 foot x 5 foot cubes for MWI & MWII staff (Includes Circulation Space)
A-P14	Dead File Storage	0.00	40	20	0	On Mezzanine
					2,661	
B - Employee Support						
B-P1	Fitness Room	1.00	20	30	600	
B-P2	Locker Rooms - Men and Women	1.00	30	22	660	Anticipate Public Works and Parks sharing large lockerroom with boot shelves and dryers. People: 12-15 Full time; 6-8 part time; Lockers to be 24 deep x 36 inches wide.
B-P3	Lunch / Break	1.00	20	24	480	Anticipated Occupant Load = 18-23 ppl
B-P6	Wash Down/Laundry/Boot Drying Room	1.00	16	16	256	
					1,996	

Parks Department – Space Needs (Cont'd.)

Location	Yorkville, Illinois			Updated By: SKF		
Tag	Space Name	Qty	Length	Width	NSF	Notes
C - Fleet Garage						
C-P1	Vehicle Parking	1.00	204	144	29,376	drive through style including all revised vehcile and equipment lists provided in 2024 by Owner. accounts for 15% growth
C-P3	Special event and Seasonal Display Storage	0.00	30	90	0	Relocate to Old Public Works Garage, including any tables, chairs, temp fencing, etc. (gymnastics mat,bounce houses, basketball hoops, ball carts,christmas,rink in a box, event signage, chalkboards,)Gym mats, safety town, float/hayrack for st pats, coolers, electrical, dead record storage, New crowd control fencing. All Rec stuff currently with Parks should stay with parks. Calculated in Existing
					29,376	
C - Fleet Garage - Mezzanine						
C-P4	Mezzanine Storage	1.00	32	144	4,608	Added mezzanine per owner request
					4,608	
D - Shops						
D-P1	Parks Open Shop	1.00	34	40	1,360	carpentry, electrical, and welding needs in Parks Dept. includes tool crib and parts storage for playground equip. parts
D-P2	Hazardous Storage	1.00	12	20	240	for parks pesticide concentrate, fertilizers and lawn mower maintenance liquids
D-P3	Tool Room	1.00	20	20	400	
D-P4	Shop Toilets and Cleanup	1.00	12	18	216	
					2,216	
E - Fleet Maintenance						
E-P4	Maintenance/Repair Bay	1.00	18	60	1,080	need more maintenance space. Currently 30'x40' including shop. Need hand wash basin, mop basin for fluid.
E-P10	Tire Storage	1.00	8	12	96	Currently on 4'x12' racking, include in maintenance bay mezzanine if have elevator access.
					1,176	

Parks Department – Space Needs (Cont'd.)

Location	Yorkville, Illinois			Updated By: SKF		
Tag	Space Name	Qty	Length	Width	NSF	Notes
F - Building Services						
F-P1	Entrance Vestibule	0.00	9	7	0	All Parks Building Services included in the Public Works tab to avoid duplication.
F-P2	1st Floor Public Toilet Rooms	0.00	16	8	0	
F-P3	Elevator	0.00	8	9	0	
F-P4	Elevator Equipment	0.00	7	8	0	
F-P5	Access Stairways	0.00	4	24	0	to mezzanine areas
F-P6	Electrical Room	0.00	10	12	0	
F-P7	Water Service Room	0.00	8	8	0	
F-P8	1st Floor Janitor Closet	0.00	6	4	0	
F-P9	MDF/Server Room	0.00	8	8	0	
					0	
	Parks Totals:					
	Total SF				**42,033**	

G - Outdoor Facilities						
G-P01	Salt dome	1.00	72	Dia	0	72' diameter with 12' wall height = 3000 TONS, DomeCorp Reference. Shared. See PW Information on SF
G-P02	Bulk Dry Storage- Outdoor	7.00	24	16	2,688	gravel, decorative mulch, CA-7, ball field clay, terf, Playground mulch, tree debree. mulch needs to be covered - bins (share mulch and black dirt with PW?)existing bins 2000SF
					2,688	

Combined Space Needs Totals

Location	Yorkville, Illinois			Updated By: SKF		
Tag	Space Name	Qty	Length	Width	SF	Notes
A - Administration						
	Public Works				3,851	
	Parks				2,661	
	Sub-Total				**6,512**	
	Circulation Factor			**32%**	**2,084**	
	Total - Administration				**8,596**	
B - Employee Support						
	Public Works				4,265	
	Parks				1,996	
	Sub-Total				**6,261**	
	Circulation Factor			**28%**	**1,753**	
	Total - Employee Support				**8,014**	
C - Fleet Garage						
	Public Works				39,288	
	Parks				29,376	
	Sub-Total				**68,664**	
	Circulation Factor			**0%**	**0**	Included in Calculation for space
	Total - Fleet Garage				**68,664**	
C - Fleet Garage - Mezzanine						
	Public Works				6,144	
	Parks				4,608	
	Sub-Total				**10,752**	
	Circulation Factor			**0%**	**0**	Included in Calculation for space
	Total - Fleet Mezzanine				**10,752**	

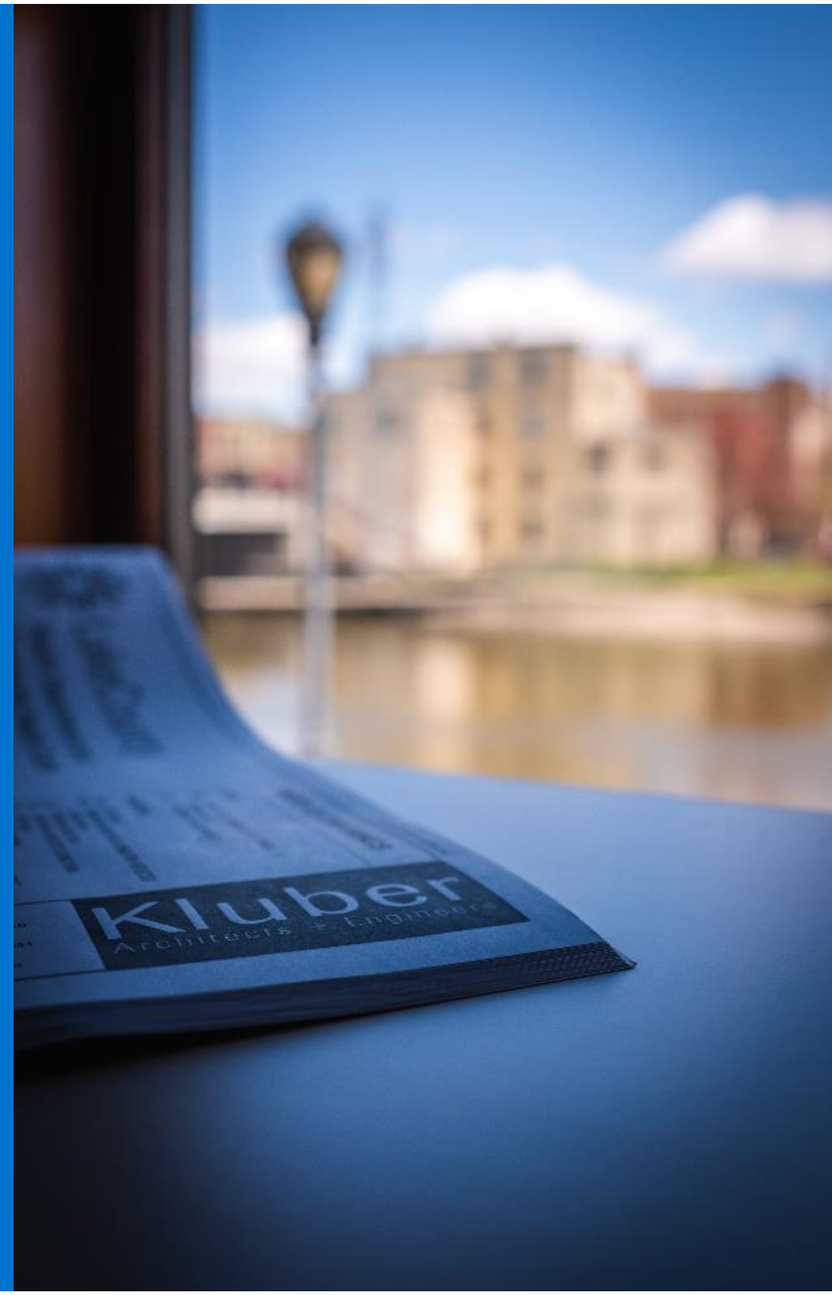
Combined Space Needs Totals

D - Shops						
	Public Works				7,056	
	Parks				2,216	
	Sub-Total				**9,272**	
	Circulation Factor			**0%**	**0**	Included in Calculation of Space
	Total - Employee Support				**9,272**	
E - Fleet Maintenance						
	Public Works				8,146	
	Parks				1,176	
	Sub-Total				**9,322**	
	Circulation Factor			**0%**	**0**	Included in Calculation of Space
	Total - Employee Support				**9,322**	
F - Building Services						
	Public Works				1,669	
	Parks				0	
	Sub-Total				**1,669**	
	Circulation Factor			**28%**	**467**	
	Total - Employee Support				**2,136**	
	Building Grand Totals (Building Only without Salt Dome, Bulk Storage & Fuel Station)					
	Total Net SF				**116,756**	
G - Outdoor Facilities						
	Public Works				7,147	
	Parks				2,688	
	Sub-Total				**9,835**	
	Circulation Factor			**0%**	**0**	Included in Calculation of Space
	Total - Outdoor Facilities				**9,835**	

Total Building Size Shall Be +/-116,756 SF.

Design Images

We have created three-dimensional images that describe our proposed exterior design solution. These images include information on the building form, materials, and the development of the building site.

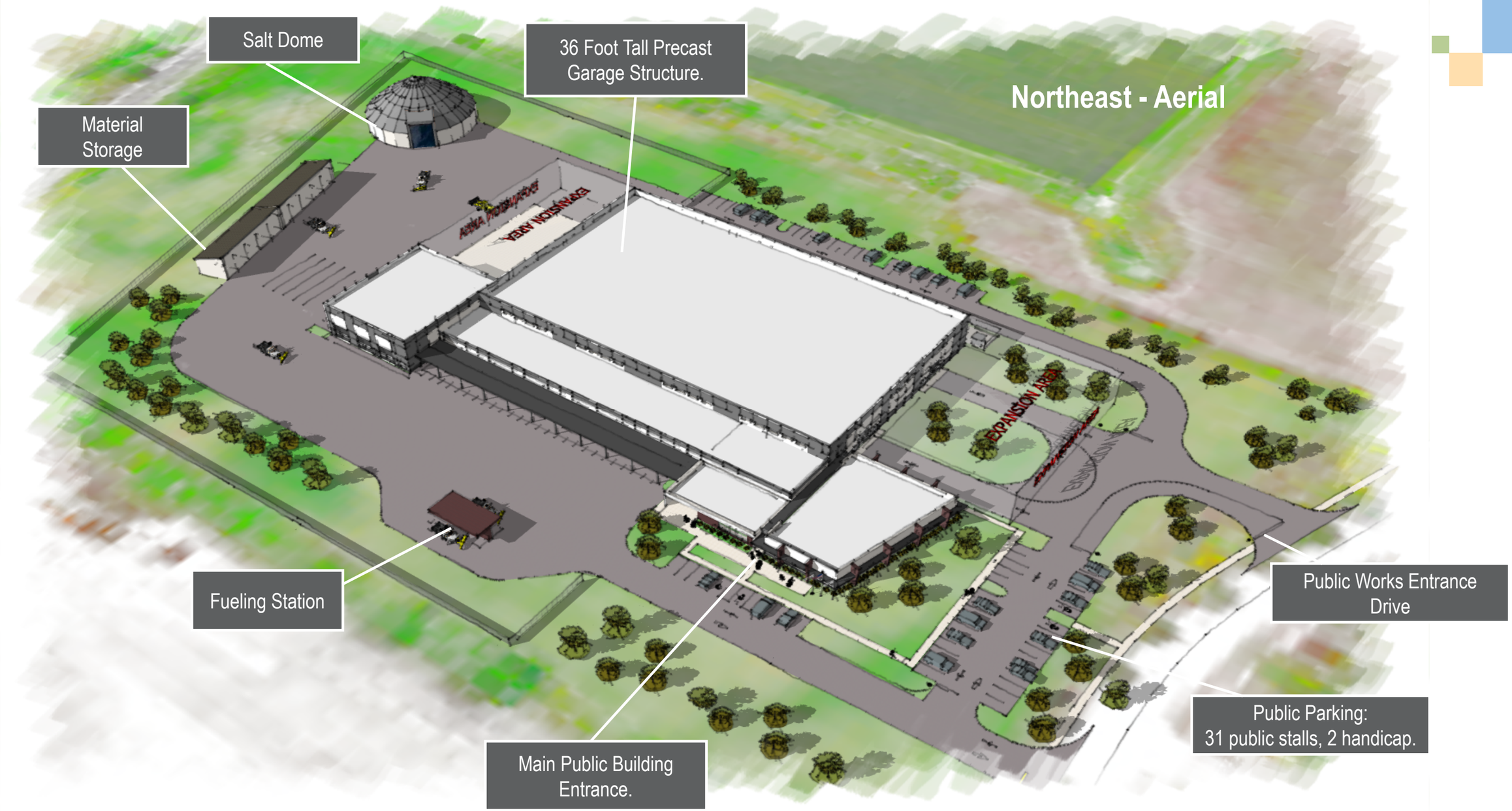



Public Parking:
10 public stalls, 3 handicap.
Main Building
Entrance.
Street View


36 Foot Tall Precast Garage Structure.
Outdoor Patio area for staff.
Public Entrance
Public Entrance


Fueling Station
2 Mechanic Service Bays.
1 Wash Bay.
Carport Roof for additional Shop and vehicle storage.
Secure Fence.
Exit Drive

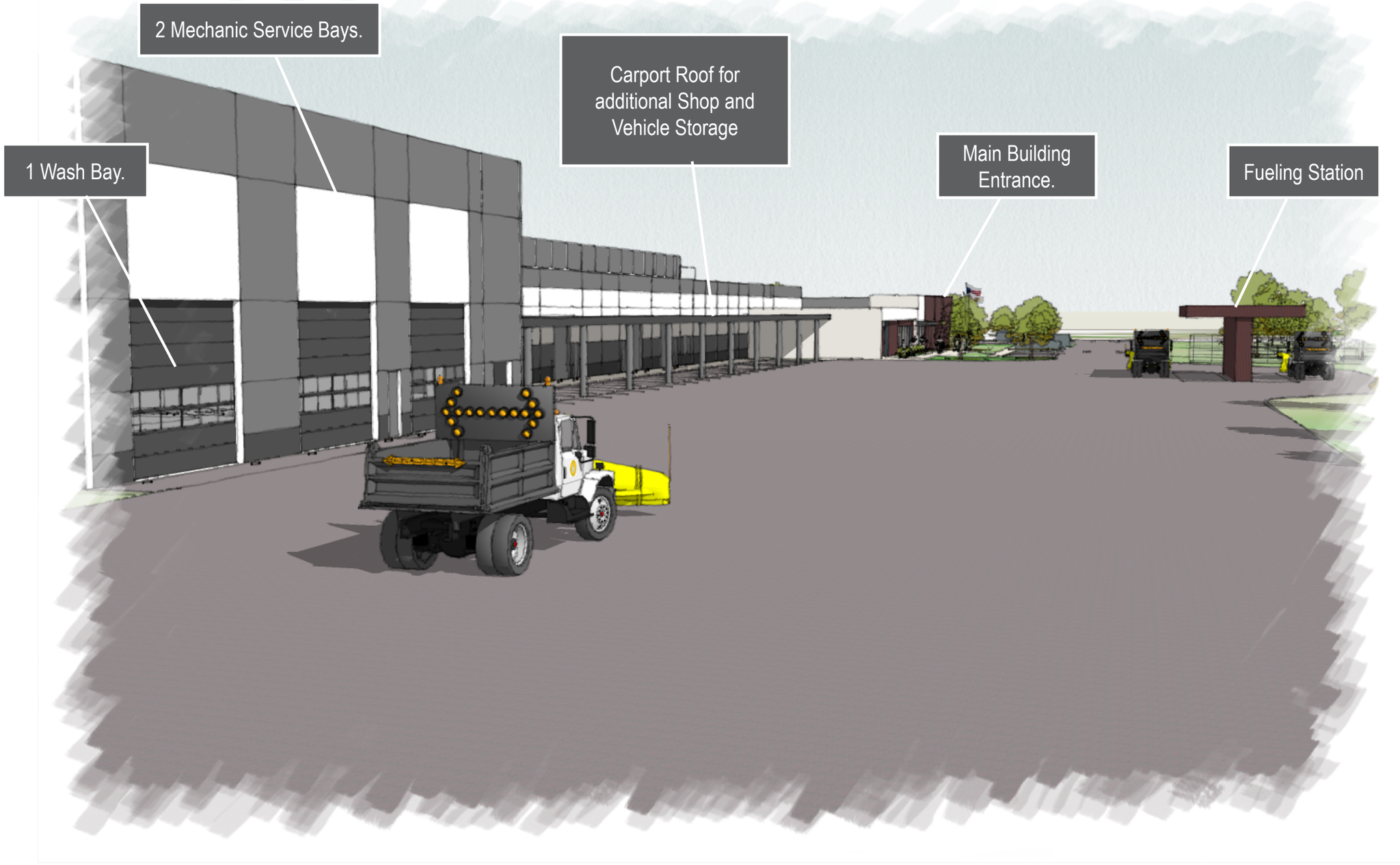
Northeast - Aerial



Northwest – Aerial

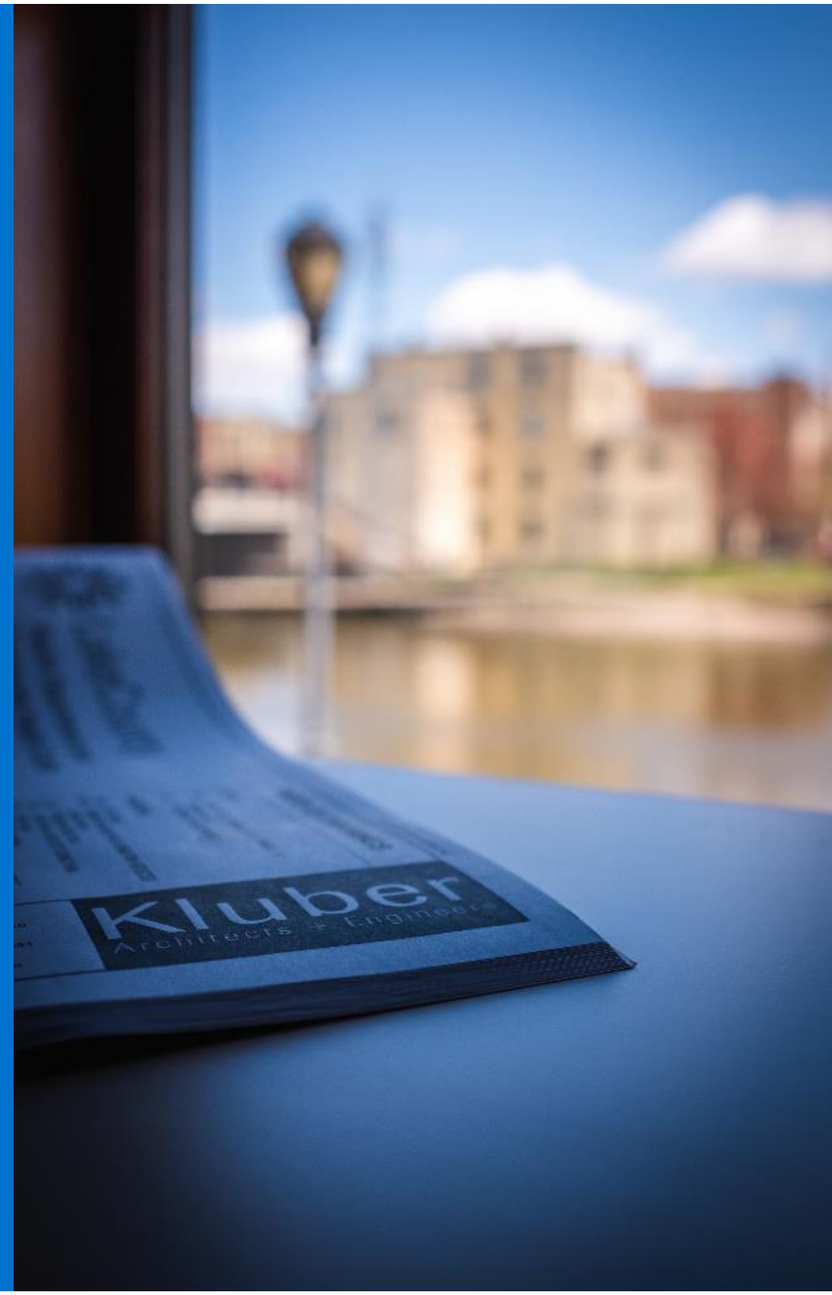

Administrative Area
36 Foot tall Precast Garage Structure
EXPANSION AREA
Entrance Garage Door
Public Works Entrance Drive

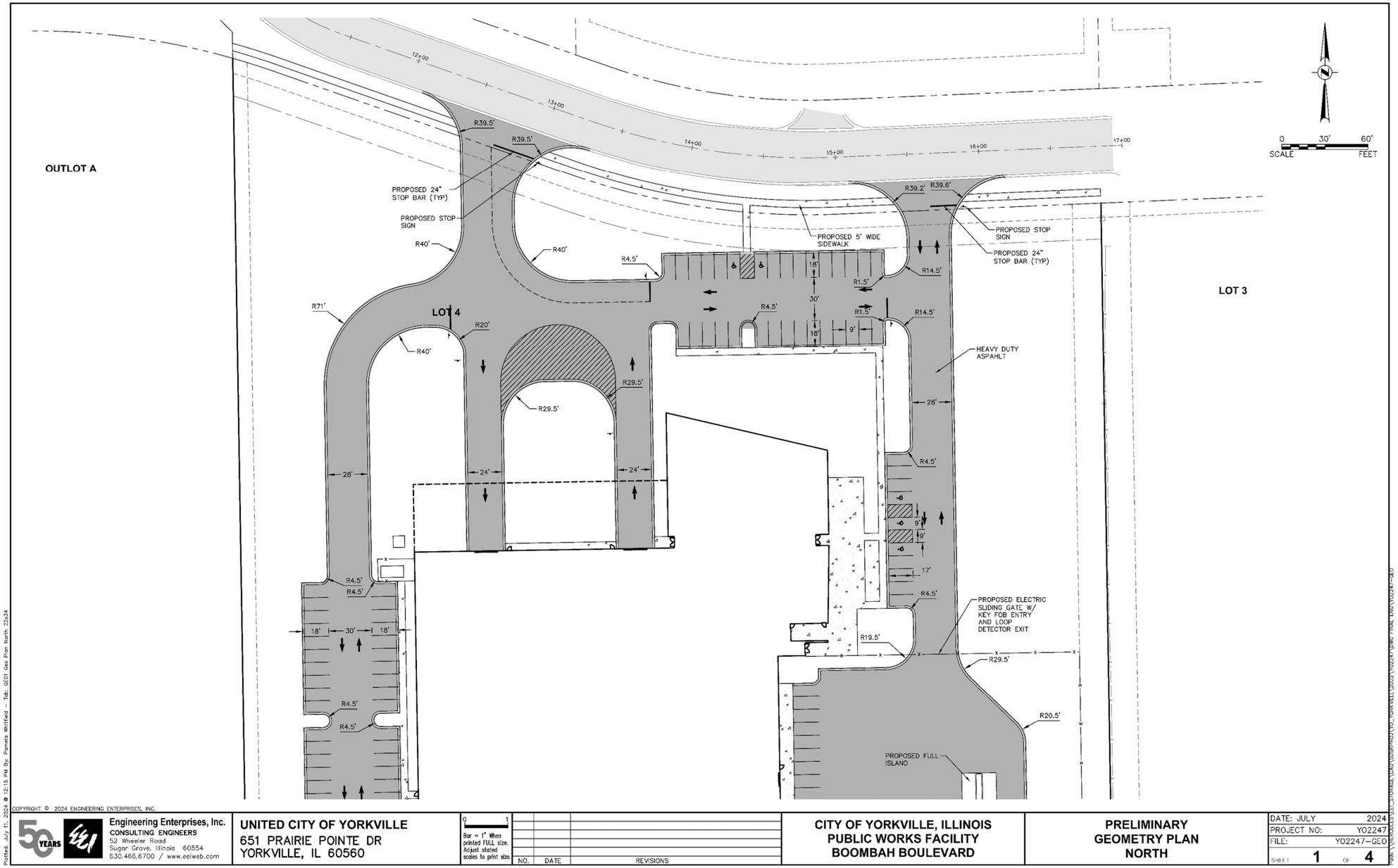

Fueling Station.
2 Mechanic Service Bays.
EXPANSION AREA
EXPANSION AREA
Mechanic Staging:
10 stalls
1 Wash Bay.
Overhead Exit
Doors.
Secure Fence.


2 Mechanic Service Bays.
Carport Roof for additional Shop and Vehicle Storage
1 Wash Bay.
Main Building Entrance.
Fueling Station

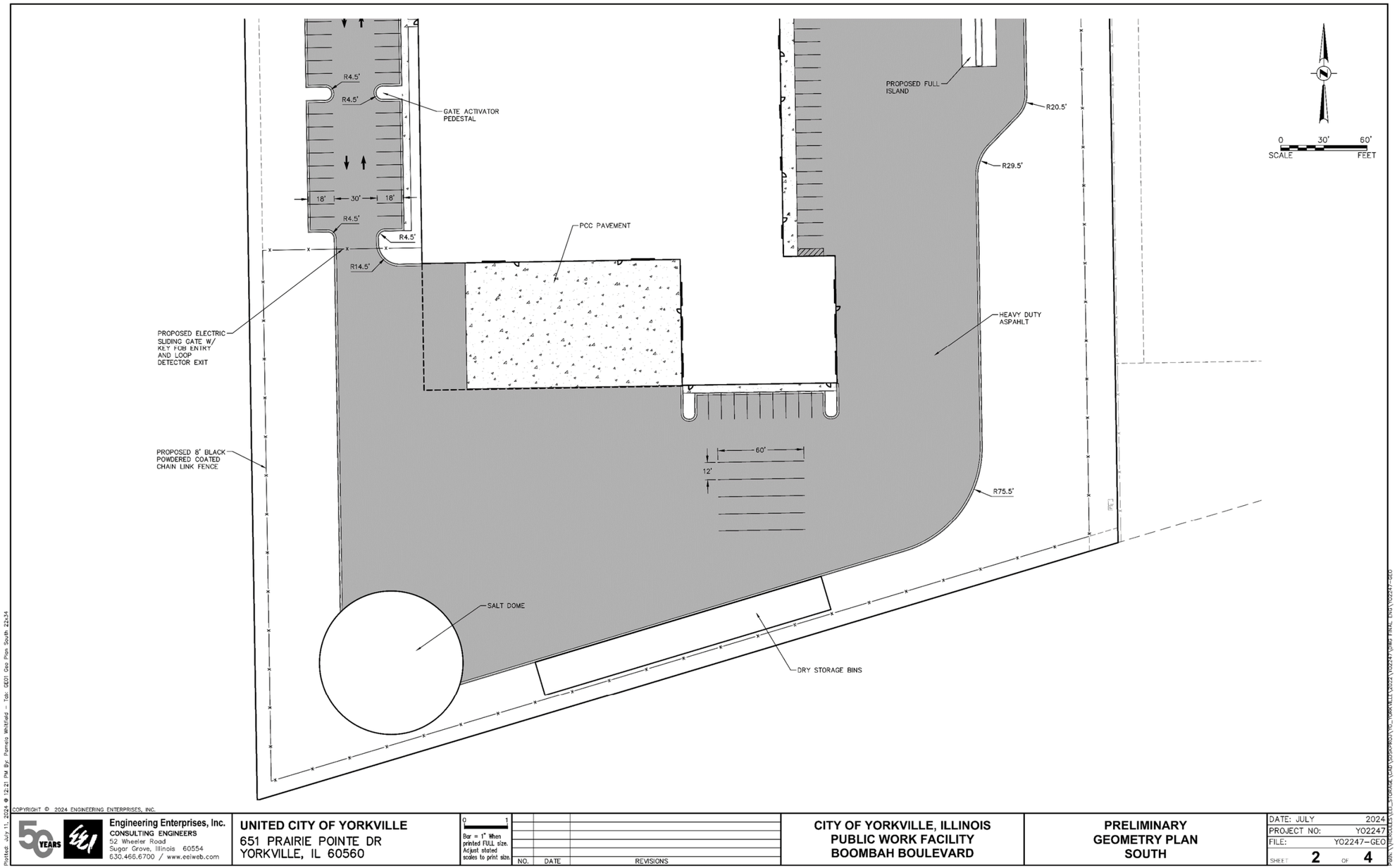
Site & Building Floor Plans

Updated Site & Building Floor Plans are shown in this section. This series of drawings have been prepared by Kluber, Inc. & Engineering Enterprises Inc. and include illustrations of proposed site parking, building layout, utilities, stormwater management and landscaping.

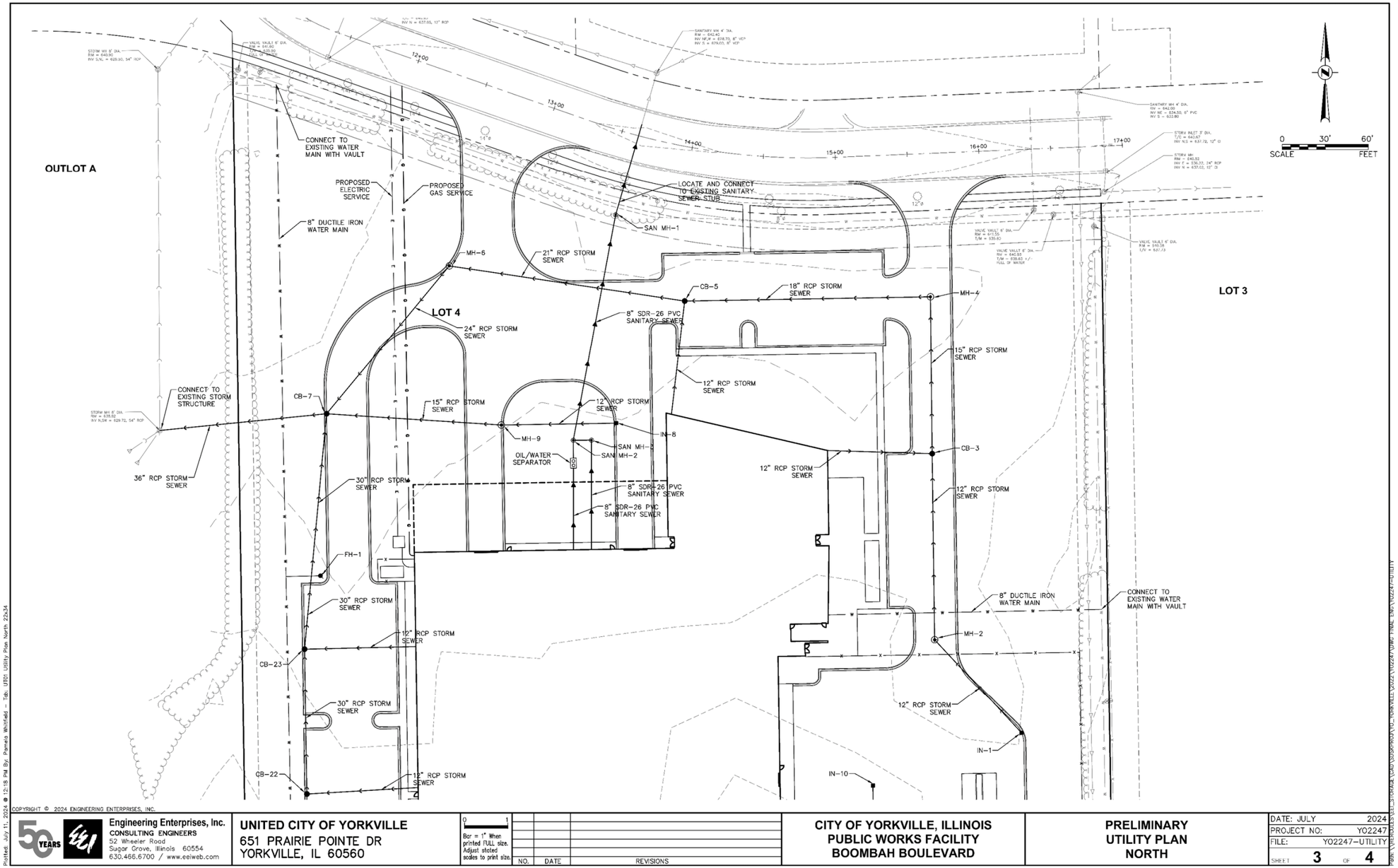




Engineering Geometry Plan North



Engineering Geometry Plan South



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Sugar Grove, Illinois 60554
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UNITED CITY OF YORKVILLE
651 PRAIRIE POINTE DR
YORKVILLE, IL 60560

Bar = 1" When printed FULL size. Adjust stated scales to print size.

NO.	DATE	REVISIONS

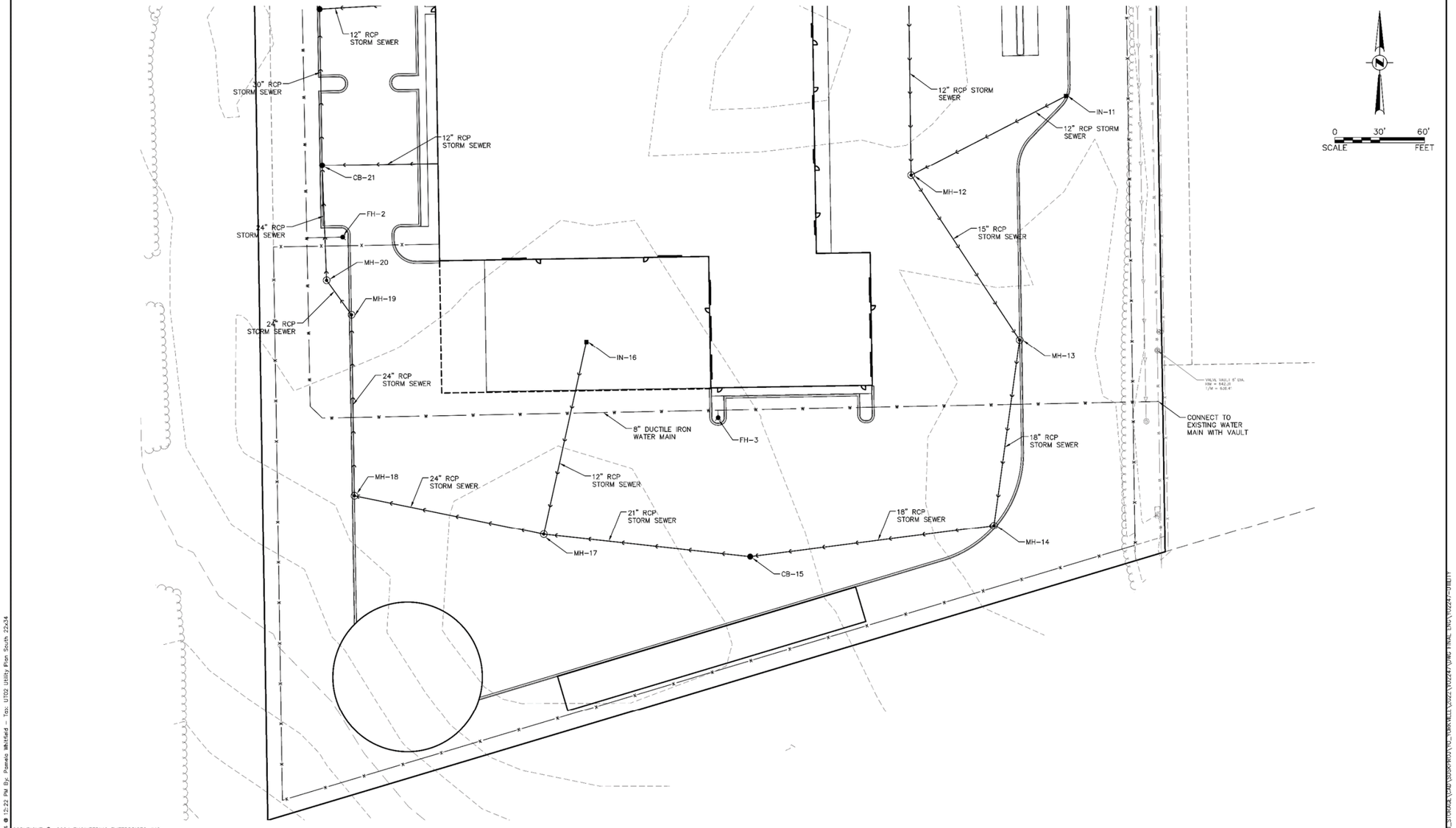
CITY OF YORKVILLE, ILLINOIS
PUBLIC WORKS FACILITY
BOOMBAH BOULEVARD

PRELIMINARY
UTILITY PLAN
NORTH

DATE: JULY 2024
PROJECT NO: Y02247
FILE: Y02247-UTILITY
SHEET 3 OF 4

Plotted: July 11, 2024 @ 12:18 PM By: Pamela Whitfield - Tab: UT01 Utility Plan North 22x34

Engineering Utility Plan North



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NO.	DATE	REVISIONS

CITY OF YORKVILLE, ILLINOIS
PUBLIC WORKS FACILITY
BOOMBAH BOULEVARD

PRELIMINARY
UTILITY PLAN
SOUTH

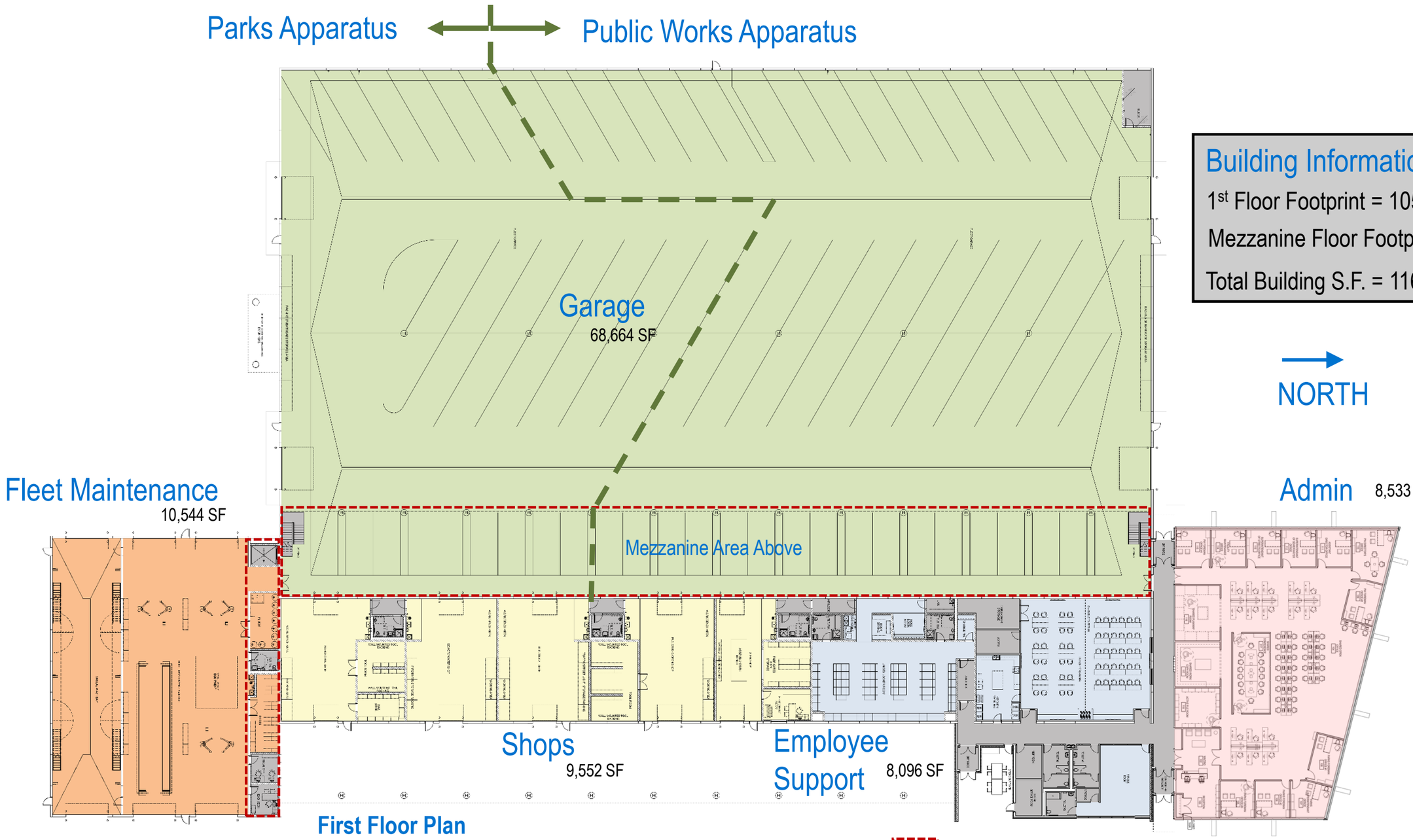
DATE: JULY 2024
PROJECT NO: YO2247
FILE: YO2247-UTILITY
SHEET 4 OF 4

Plotted: July 11, 2024 @ 12:22 PM By: Pamela Whitfield - Tau: UTO2 Utility Plan South 22x34

Engineering Utility Plan South

Site

130 Parking spaces on site. Two drive entrances from the North to circulate the site. Depressional stormwater management to the West. Salt dome and material storage bins to the South. Space for expansion to the North and South of the garage.



Building Information:

1st Floor Footprint = 105, 390 SF

Mezzanine Floor Footprint = 10,922 SF

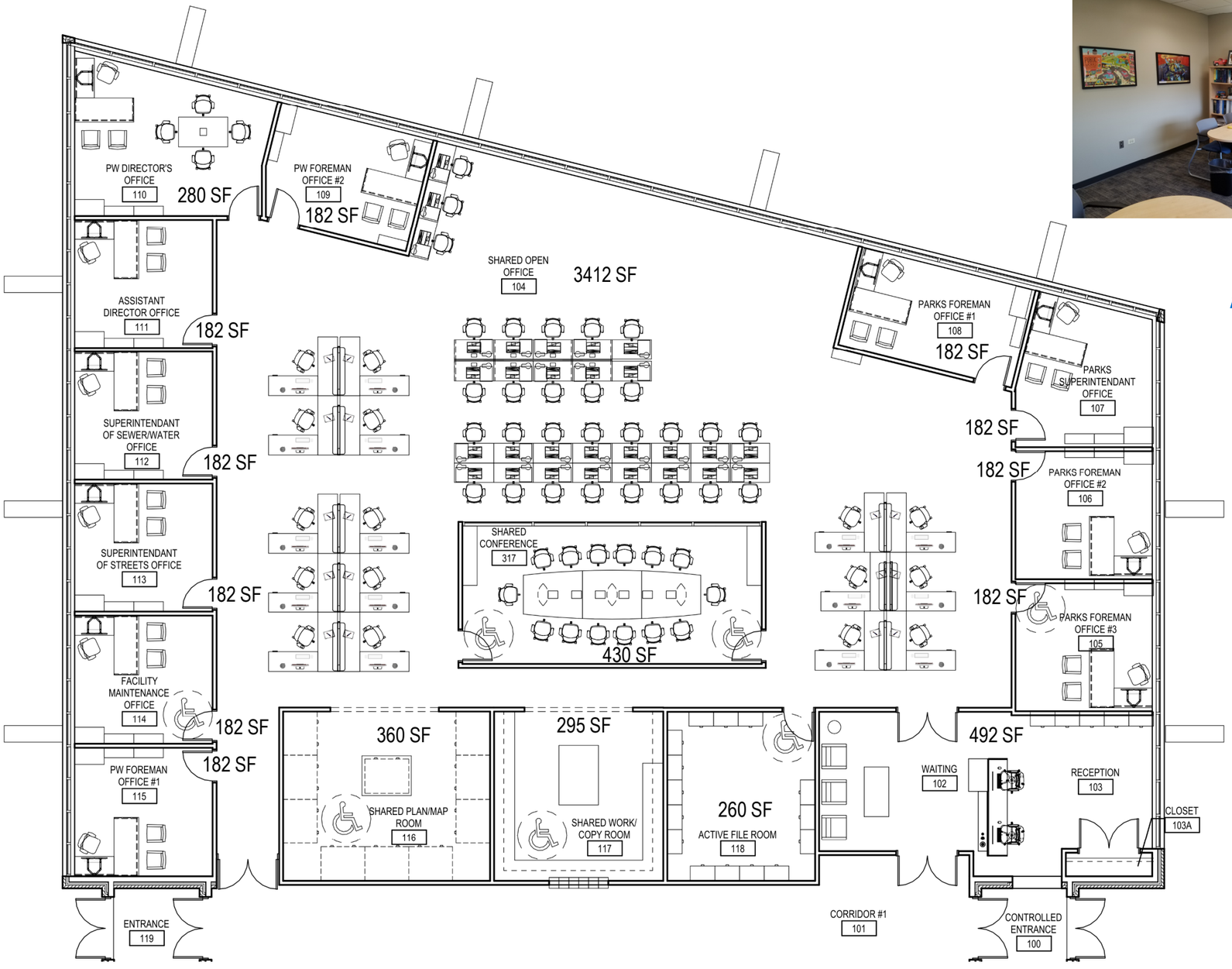
Total Building S.F. = 116,312 SF

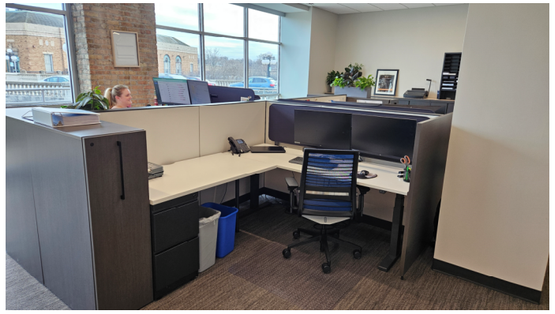
NORTH

First Floor Plan

The image above is the first-floor plan of the building.

Indicates 2nd floor mezzanine location





Administrative Areas

AREA

- 3412 SF – Open Office
- 430 SF - Conference Room
- 280 SF – Private office (x1)
- 182 SF – Private office (x10)
- 492 SF – Waiting/Reception
- 295 SF - Copy
- 260 SF - File Storage
- 360 SF – Plan/Map Room
- 43 SF – Janitor's Closet

FUNCTION

- Main office areas

ADJACENCIES

- Main Hallway

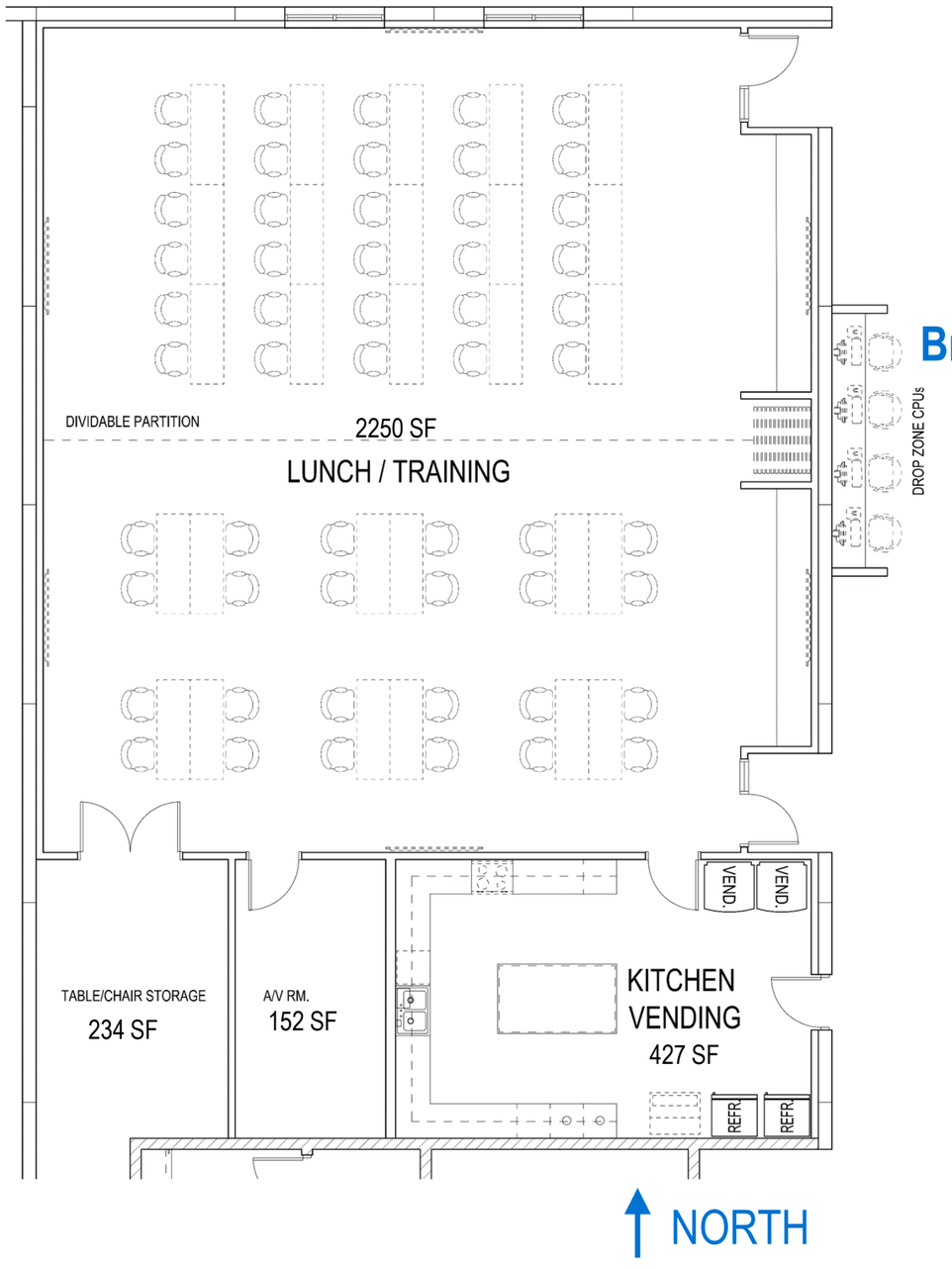
ARCHITECTURAL

- Walls: Painted Gypsum with vinyl base.
- Floors: Carpet Tile and Luxury Vinyl Tile
- Ceiling: 9'-4" Min., Acoustic ceiling tile.

BUILDING SYSTEMS

- HVAC: Fully conditioned space.
- Lighting: LED at 30 footcandle (fc) min., recessed dimmable lighting with accent lighting.
- Electrical: Duplex receptacles, multiple access locations.
- Two data jacks per workstation and office location.

NORTH



Break Area

AREA

- 2250 SF – Lunch/ Training
- 234 SF – Table and Chair Storage
- 152 SF – A/V Room
- 427 SF – Kitching Vending

FUNCTION

- Lunch and break area for public works staff.

ADJACENCIES

- Main Hallway
- Locker Room

ARCHITECTURAL

Lunch, Kitchen and Storage

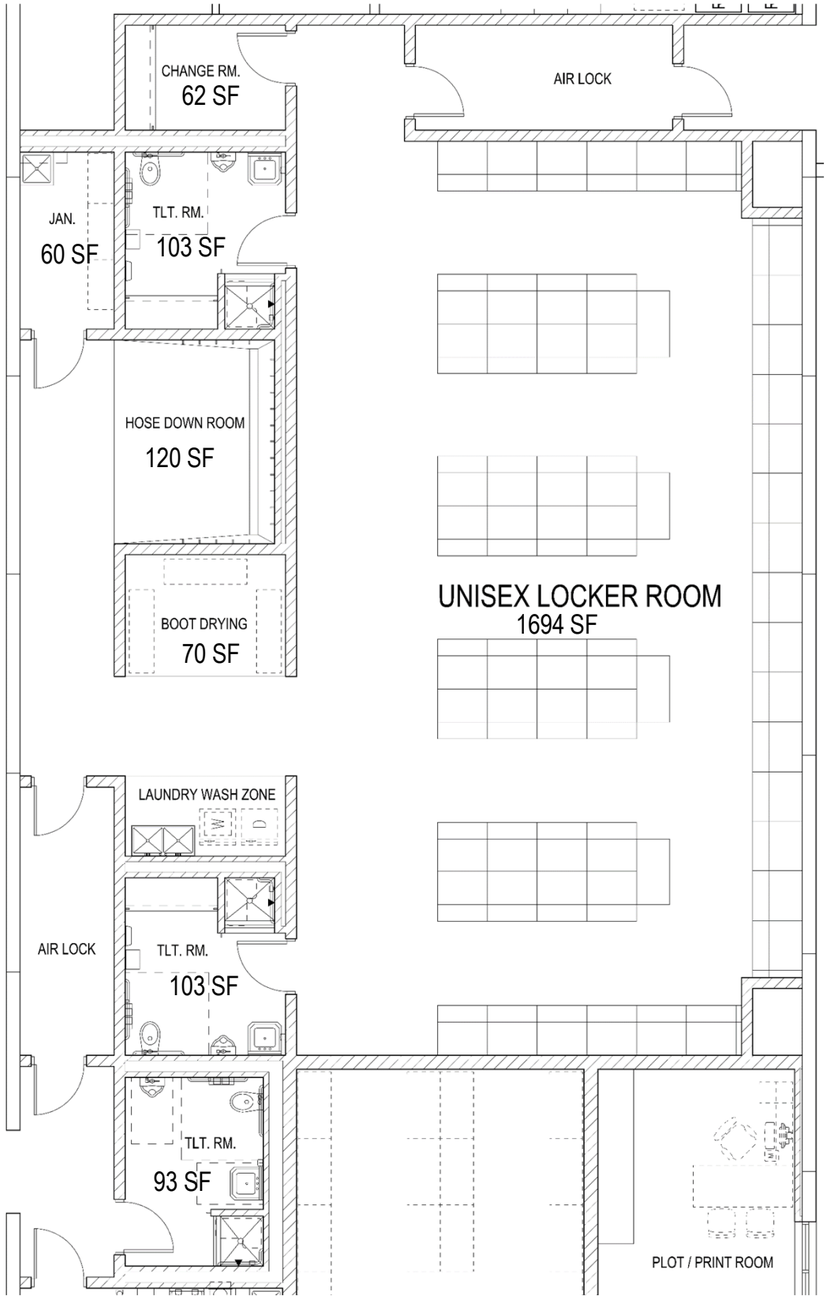
- Walls: Painted gypsum board on metal stud, Vinyl wall base.
- Floors: Luxury vinyl tile over concrete.
- Ceiling: 9’ – 4” Min., Acoustic ceiling tile.

BUILDING SYSTEMS

- HVAC: Fully conditioned space.
- Lighting: LED at 30 footcandle (fc) min., zoned, dimmable direct/ indirect lighting, daylight harvesting, occupancy sensors.
- Electrical: Duplex receptacles, multiple access locations.
- Communications: Data/telephone/cable, WiFi throughout. Include one TV for teleconferencing.

EQUIPMENT/ FURNISHINGS

- Refrigerators (2) with ice makers for ¼” water line.
- Sink
- Coffee maker (Countertop Mount)
- Dishwasher undercounter



NORTH

Locker Rooms and Employee Support

AREA

- 1694 SF – Locker Room
- 103 SF - Toilet Room (x2)
- 118 SF – Water Service
- 120 SF – Hose Down Room
- 70 SF – Boot Drying
- 62 SF – Changing Room
- 60 SF – Janitor's Closet

FUNCTION

- Locker room for staff to store personal items and gear

ADJACENCIES

- Garage and Kitchen

ARCHITECTURAL

Locker Area

- Walls: Painted gypsum on metal stud.
- Floors: Quartz Aggregate.
- Ceiling: 9'-0" Min., Acoustic ceiling tile.

Toilet Rooms

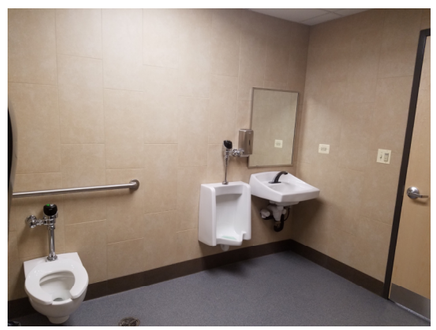
- Walls: Porcelain Tile.
- Floors: Porcelain Tile.
- Ceiling: 9'-0" Min., Painted Gypsum.

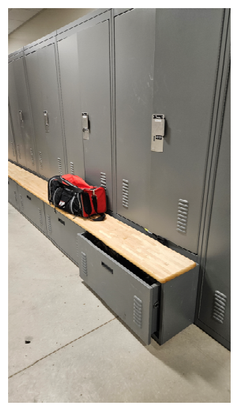
BUILDING SYSTEMS

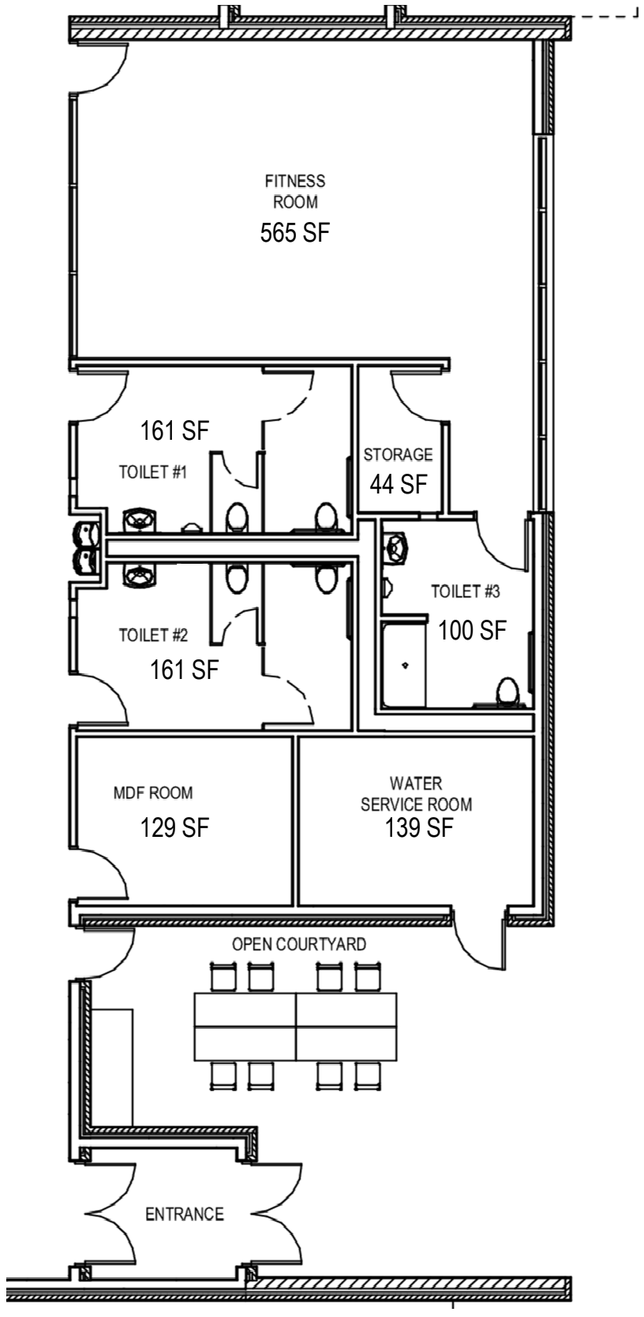
- HVAC: Fully conditioned space.
- Lighting: LED at 30 footcandle (fc) min., zoned, dimmable direct/ indirect lighting, daylight harvesting, occupancy sensors.
- Electrical: Duplex receptacles, multiple access locations.
- Communications: Data/telephone/cable, WiFi throughout.
- Provide one data jack in locker room for future wall phone.

EQUIPMENT/ FURNISHINGS

- Lockers 36" wide x 24" deep x 72" high







NORTH

Employee Support

AREA

- 565 SF – Fitness Room
- 161 SF (x2)– Multi-User Toilet
- 100 SF – Single User Toilet
- 139 SF – Storage/ Water Service
- 129 SF – MDF Room
- 440 SF – Covered Patio

FUNCTION

- Employee fitness area with shower and toilet facilities, and an outdoor patio for grilling.

ADJACENCIES

- Central Corridor
- Lunch/ Training

ARCHITECTURAL

Fitness Room

- Walls: Painted gypsum on metal stud.
- Floors: Fitness Flooring
- Ceiling: Painted Exposed Structure

Toilet Rooms

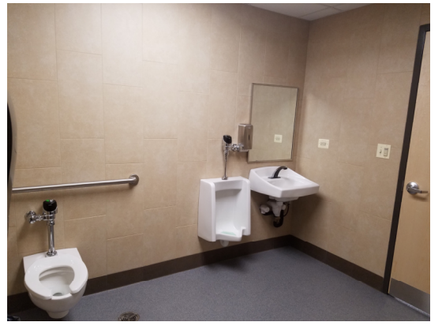
- Walls: Porcelain Tile.
- Floors: Porcelain Tile.
- Ceiling: 9’-0” Min., Painted Gypsum.

BUILDING SYSTEMS

- HVAC: Fully conditioned space.
- Lighting: LED at 30 footcandle (fc) min., zoned, dimmable direct/ indirect lighting, daylight harvesting, occupancy sensors.
- Electrical: Duplex receptacles, multiple access locations.
- Communications: Data/telephone/cable, WiFi throughout.
- Includes a wall phone in the fitness room.

EQUIPMENT/ FURNISHINGS

- Fitness Equipment purchased by owner.
- Grill



Sign Shop

AREA

- 907 SF – Sign Shop
- 312 SF – Fabricated Sign Storage
- 212 SF – Plot / Print Room
- 93 SF – Toilet Room

FUNCTION

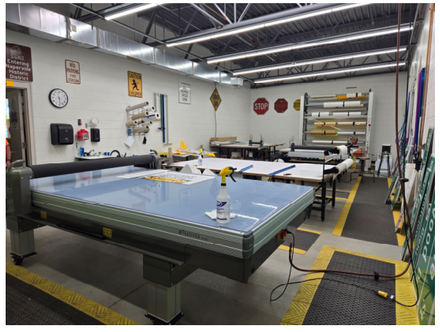
- Store Tools and provide indoor work areas.

ADJACENCIES

- Garage
- Maintenance Bay

ARCHITECTURAL

- Walls: Painted Concrete panel or Concrete block.
- Floors: Concrete with Urethane Top Coat.
- Ceiling: Painted exposed structure.

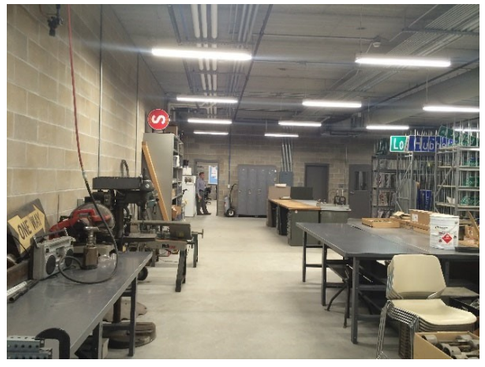


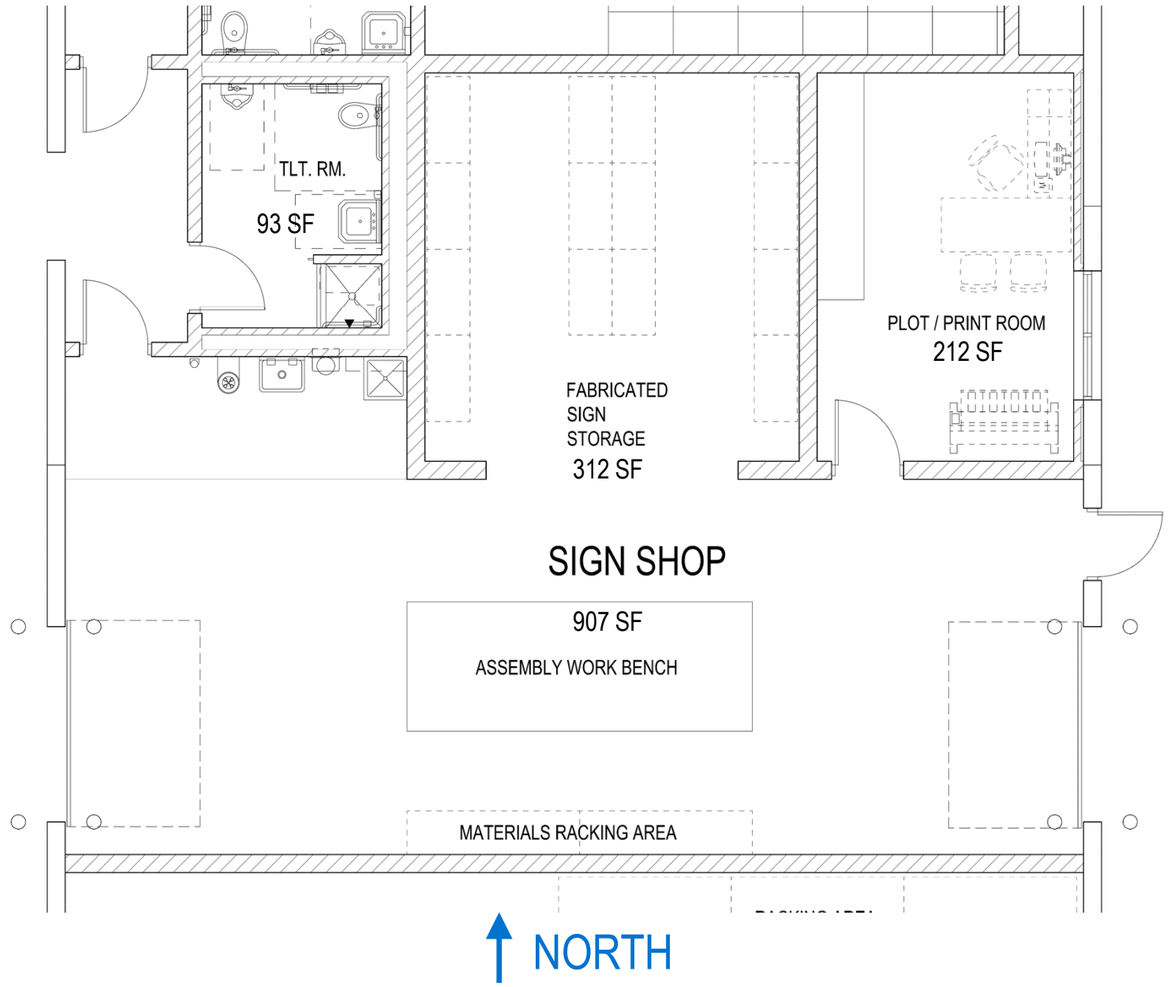
BUILDING SYSTEMS

- HVAC: Fully conditioned Sign Shop. Heat only for balance.
- Lighting: LED at 50 footcandle (fc) min., zoned, dimmable direct/ indirect lighting, daylight harvesting, occupancy sensors.
- Electrical: Duplex receptacles, multiple access locations.
- Communications: Data/telephone/cable, WiFi throughout.

EQUIPMENT/ FURNISHINGS

- Owner provided racking





Shop Spaces

AREA

- 583 SF – Public Works Shop
- 583 SF – Sign Shop
- 1,745 SF – Seasonal, Tool and Parts Storage

FUNCTION

- Store Tools and provide indoor work areas.

ADJACENCIES

- Garage
- Maintenance Bay

ARCHITECTURAL

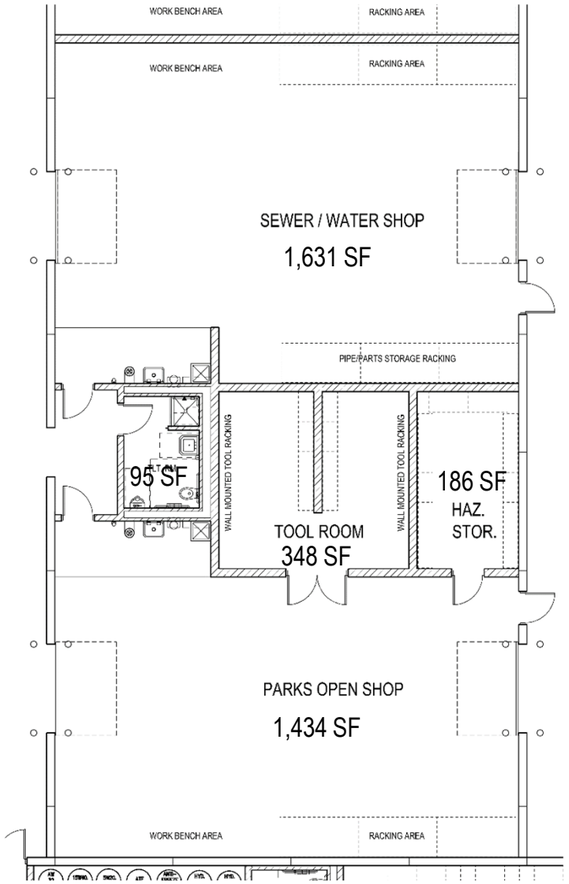
- Walls: Painted Concrete panel or Concrete block.
- Floors: Concrete with Urethane Top Coat.
- Ceiling: Painted exposed structure.

BUILDING SYSTEMS

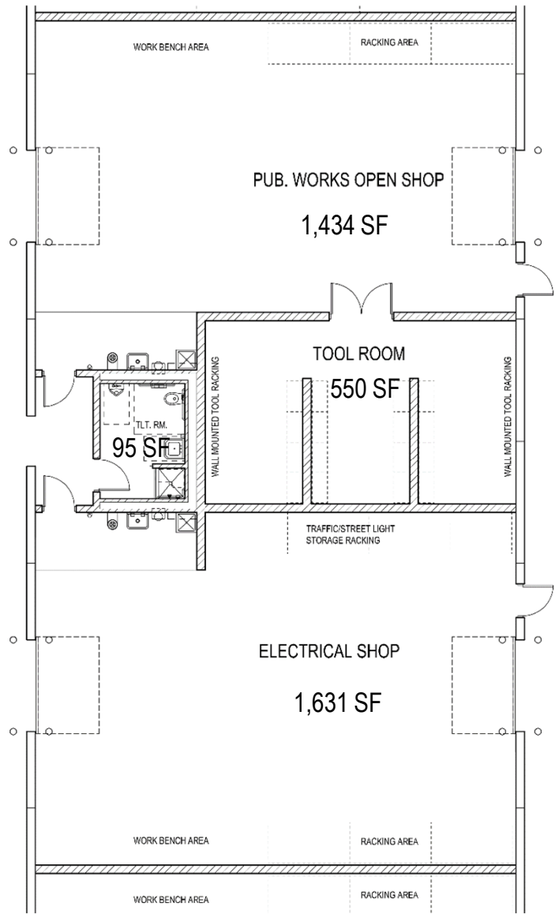
- HVAC: Fully conditioned Sign Shop. Heat only for balance.
- Lighting: LED at 50 footcandle (fc) min., zoned, dimmable direct/ indirect lighting, daylight harvesting, occupancy sensors.
- Electrical: Duplex receptacles, multiple access locations.
- Communications: Data/telephone/cable, WiFi throughout.

EQUIPMENT/ FURNISHINGS

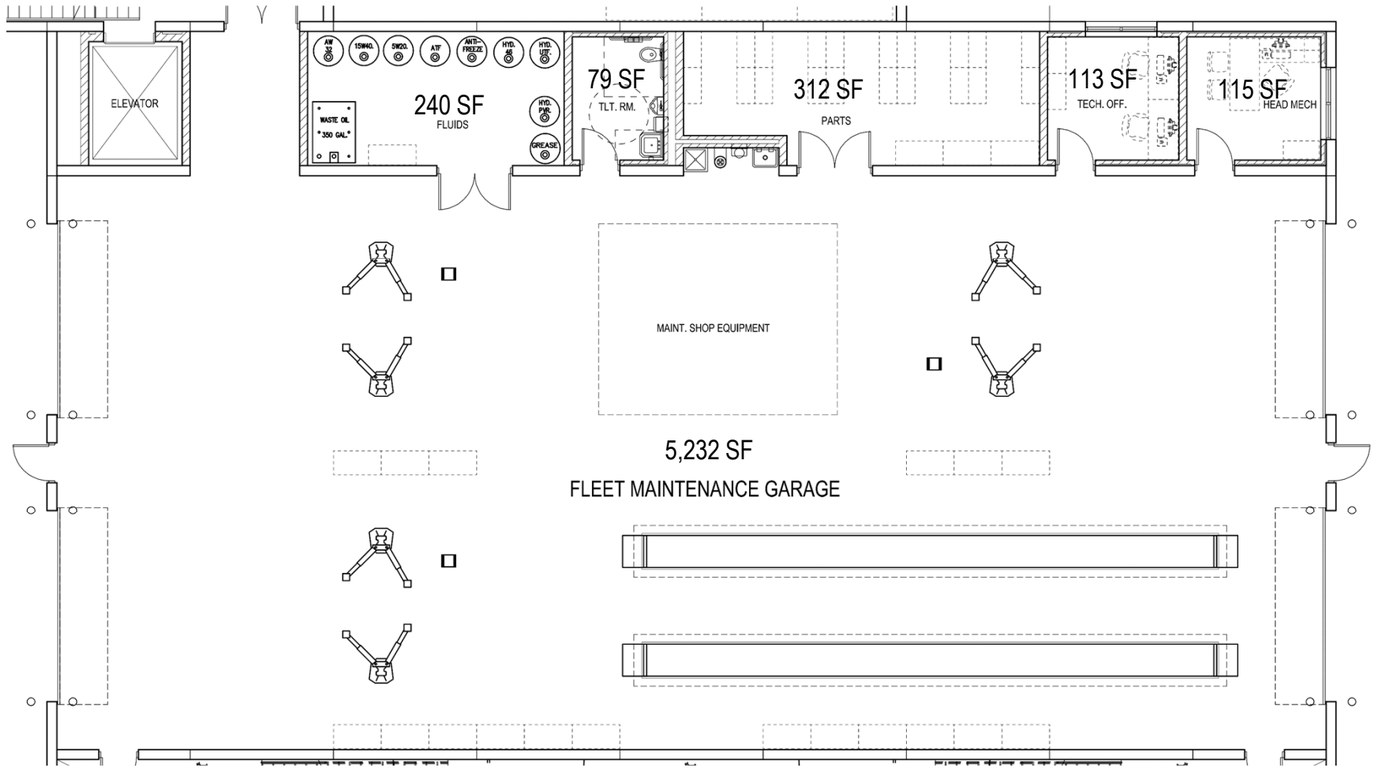
- Owner provided racking



NORTH



Fleet Maintenance



AREA

- 5,232 SF – Fleet Maintenance Garage
- 115 SF – Head Mechanic's Office
- 113 SF – Tech Office
- 312 SF – Parts Storage
- 79 SF – Toilet
- 240 SF – Fluids Room

FUNCTION

- Fleet maintenance and mechanic's area.

ADJACENCIES

- Garage
- Wash bay

ARCHITECTURAL

Maintenance Garage

- Walls: Painted Concrete panel or Concrete block
- Floors: Concrete with Urethane Top Coat.
- Ceiling: Painted exposed structure.

Mechanic's Office

- Walls: Painted Concrete panel or Concrete block.
- Floors: Concrete with Urethane Top Coat.
- Ceiling: 9'-4" Min., Acoustic Ceiling Tile.

BUILDING SYSTEMS

- HVAC: Fully conditioned Mechanics Office. Heat only for balance.
- Lighting: LED at 50 footcandle (fc) min adjustable to 75 (fc)., zoned, direct lighting, daylight harvesting, occupancy sensors.
- Electrical: Duplex receptacles, multiple access locations.
- Communications: Data/telephone/cable, WiFi throughout.

EQUIPMENT/ FURNISHINGS

- Heavy Scissor Lift
- In-ground Lift
- Welding Bench
- Lubrication Systems
- Eyewash Station

NORTH

Wash Bay

AREA

- 2,800 SF – Wash Bay

FUNCTION

- Wash salt and grime off trucks before pulling in the garage.

ADJACENCIES

- Fleet Maintenance

ARCHITECTURAL

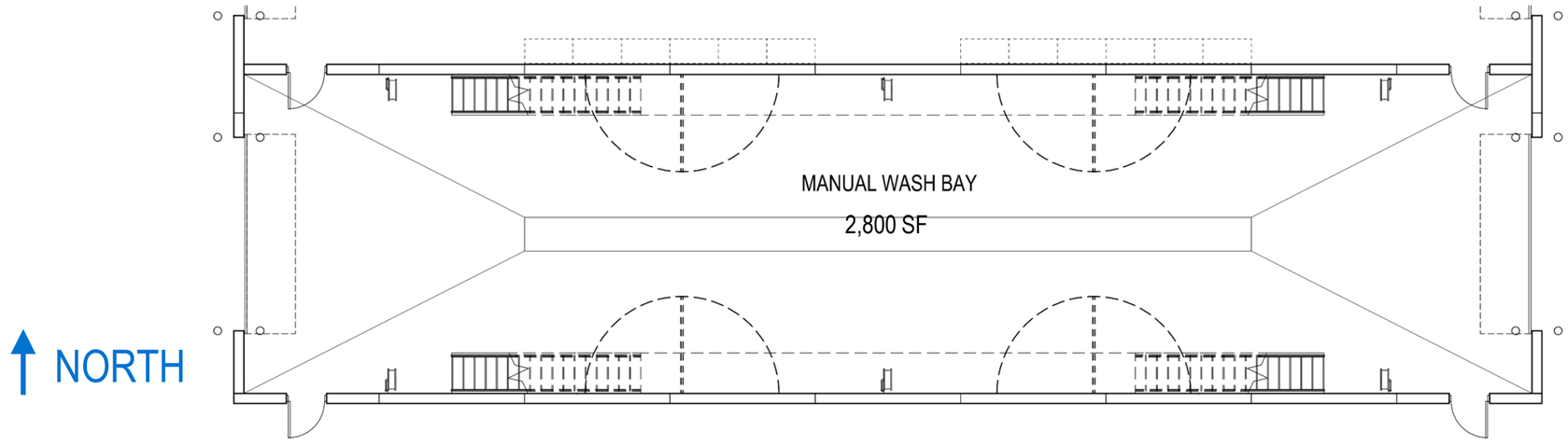
- Walls: Painted Concrete panel or Concrete block.
- Floors: Concrete with Urethane Topcoat with non-slip additive.
- Ceiling: Painted exposed structure.
- Raised platform – galvanized steps and walkway for above truck washing.

BUILDING SYSTEMS

- HVAC: Heat only.
- Lighting: LED at 50 footcandle (fc) min., direct lighting, daylight harvesting, occupancy sensors.
- Electrical: Power connections to wet environment automatic door operators.

EQUIPMENT/ FURNISHINGS

- Open grate catwalk.
- Hoses for water.



Garage

AREA

- 67,646 SF – Garage
- 220 SF – Electrical Room

FUNCTION

- Vehicle Storage

ADJACENCIES

- Wash Bays
- Fleet Maintenance
- Locker Rooms

ARCHITECTURAL

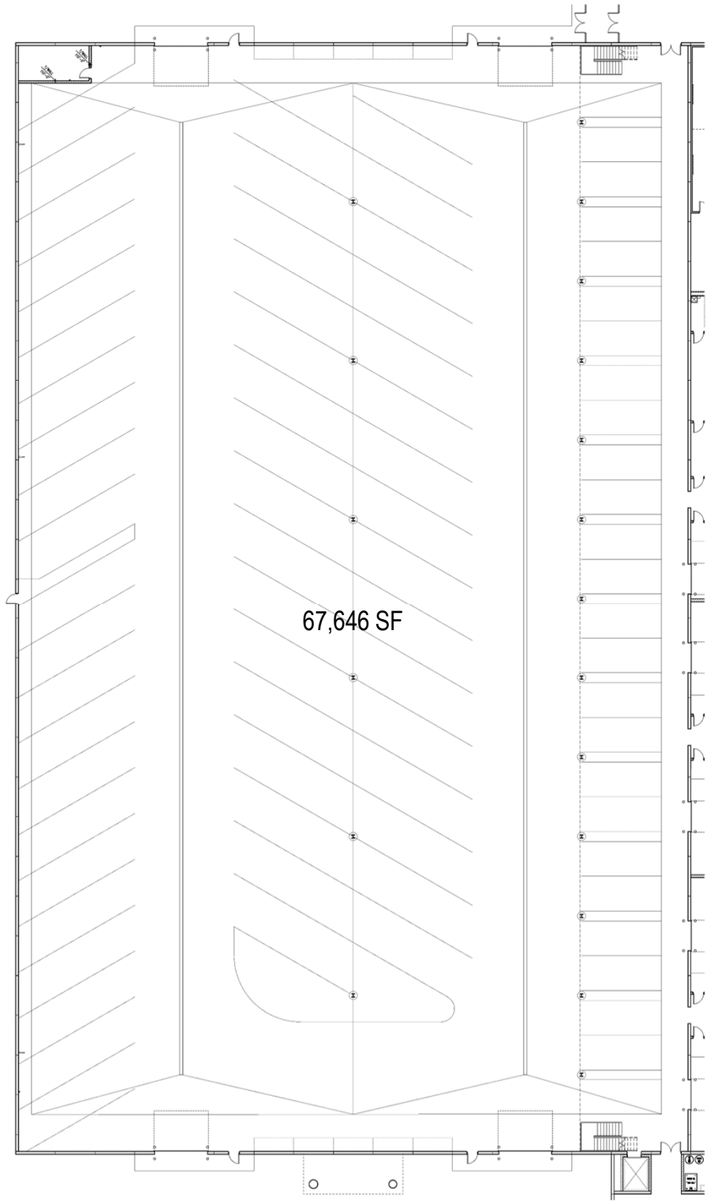
- Walls: Painted Concrete panel or Concrete block.
- Floors: Concrete with Urethane Topcoat and anti-slip additive.
- Ceiling: Painted exposed structure.

BUILDING SYSTEMS

- HVAC: Heat only.
- Lighting: LED at 10 footcandle (fc) min. (Owner prefer 20 (fc) ideal, zoned, direct lighting, daylight harvesting, occupancy sensors.
- Electrical: Wall mounted perimeter 110V outlets at 48” AFF in approximate 20 foot centers around perimeter of the garage.
- Hose bibs accessible at multiple points throughout.

EQUIPMENT/ FURNISHINGS

- Wall mounted vertical racking at head of parking stalls. Select locations.



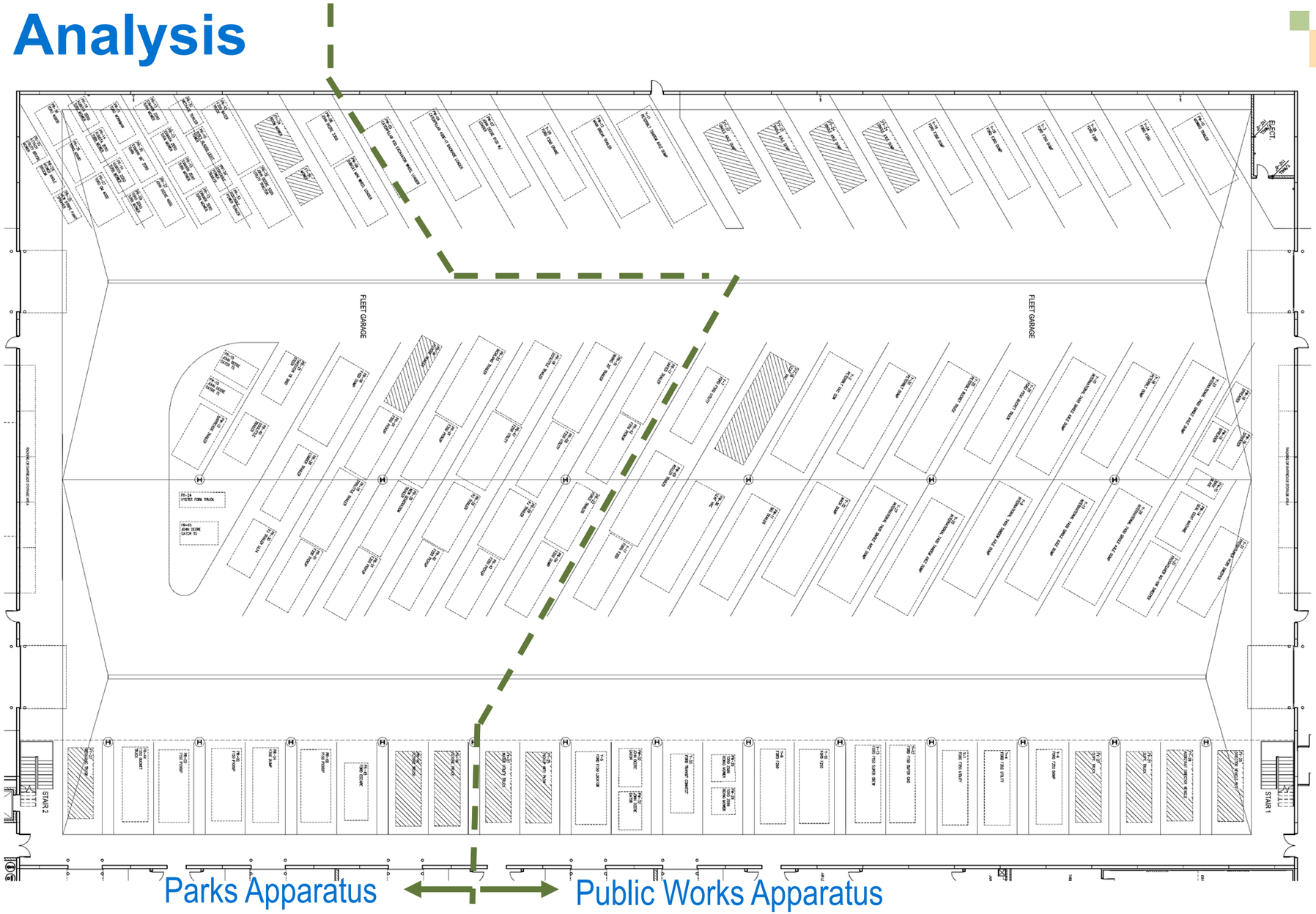
NORTH

Fleet Garage Analysis

Fleet Information:

Shaded Vehicles are Vehicles the City plans to purchase over the next 5 years.
White vehicles are currently owned by the City

NORTH



Basis of Design

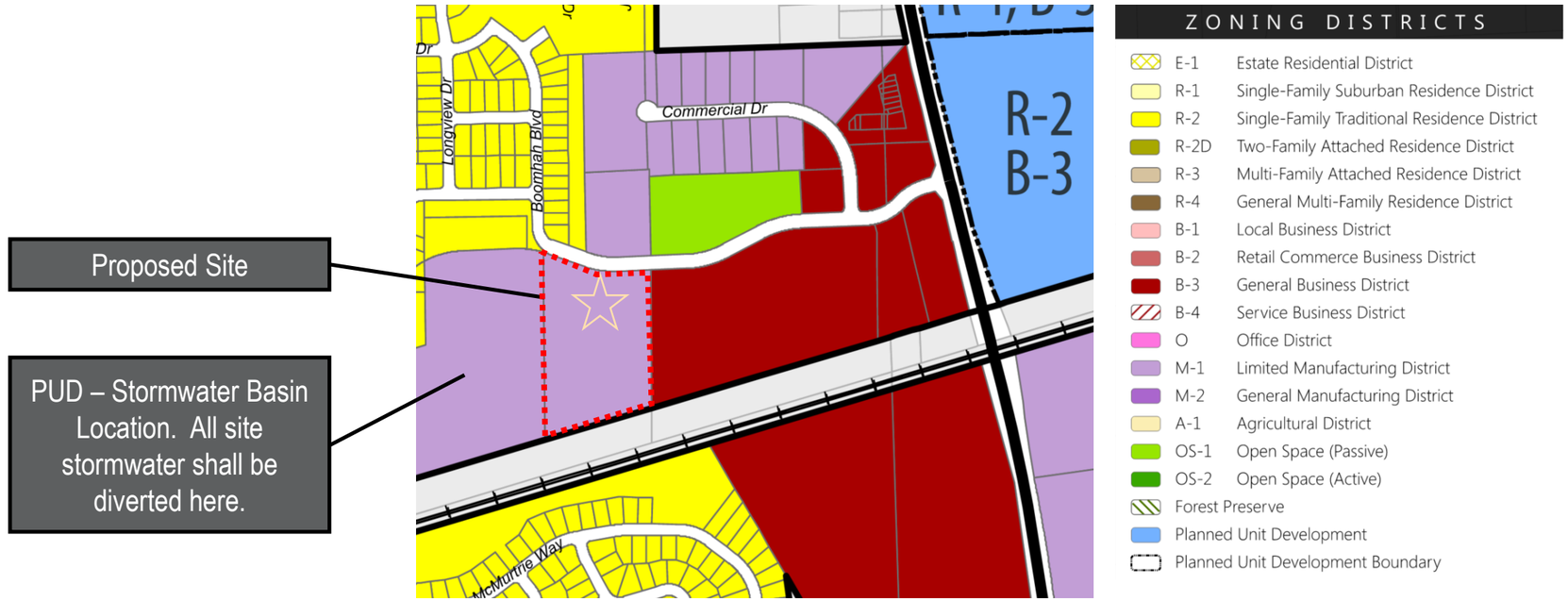
The Basis of Design is a series of written descriptions that reference the building codes, the proposed building materials and building structure; descriptions of HVAC, plumbing, and electrical systems; connections to available utilities; and the necessary site development content.

Applicable Building Codes

- The project will be reviewed by the Authorities Having Jurisdiction and will be designed to meet the requirements of the following building codes.
- This project site falls within the Yorkville limits and will be permitted through the United City of Yorkville.
- 2018 International Building Code (IBC)
- 2018 International Mechanical Code (IMC)
- 2018 International Fire Code (IFC)
- 2021 International Energy Conservation Code (IECC)
- 2018 International Fuel Gas Code (IFGC)
- 2017 National Electric Code (NEC)
- Illinois State Plumbing Code, Latest Edition
- Illinois Accessibility Code, Latest Edition
- Local Amendments to the above codes

Applicable Zoning Codes

- The current site is zoned M-1: Limited Manufacturing District. No rezoning will be required on this parcel for this use and is part of the PUD for the development area.
- Stormwater detention for the parcel is off-site to the west of the parcel and includes sufficient stormwater capacity to handle all site development.
- South of the site are the railroad tracks and a ComEd easement, along with R-2: Single Family Traditional Residence District on the other side of the tracks.
- East of the site is a warehouse facility zoned B-3: General Business District.
- North of the site is zoned M-1: Limited Manufacturing District.



Site and Landscape Descriptions

GENERAL INTRODUCTION

The United City of Yorkville recently purchased vacant parcel of improved land for the purpose of constructing a combined Public Works and Parks Department facility.

The combined Public Works & Parks Department facility will be a single-story, slab-on-grade structure and will have a first-floor footprint of approximately 105,389 square feet. A second-floor storage mezzanine is also contemplated totaling 10,922 square feet. The total building is estimated to be 116,311 square feet in floor area.

Other site improvements will include a 72 foot diameter salt dome structure capable of storing 3,000 TONS of salt at the southwest corner of the site. A bulk dry materials storage building with shed roof totaling 5,760 square feet on the south end of the site and a fueling station with canopy and underground storage tanks on the east side of the site.

SITE LOCATION

Site Area

The site selected is located at 306 Boombah Boulevard in the United City of Yorkville, Illinois 60560.

The site is approximately 12.32 acres in size. The parcel was improved when the Planned Unit Development was originally constructed.

Current Land Use

The current site is vacant green space; previously farmland. The site slopes gently from east to west. All overland site stormwater is captured in a regional stormwater basin immediately west of the proposed development parcel. This basin was constructed as part of the adjacent Planned Unit Development to the east of the site when general business district usage was constructed.

All necessary site utilities to support the proposed structure are on site or within the adjacent utility easements or rights of way (ROW) to support project development.

SITE DEVELOPMENT

Site Access

Site vehicular access to the proposed Public Works facility is provided at multiple locations from Boombah Boulevard. Both access drives are designed for two-way traffic flow. The eastern access drive is 30' wide to meet the minimum width for aerial fire apparatus access roads per International Fire Code (IFC) requirements. The western access drive is also 36' wide to allow for larger truck access / turning movements as necessary.

Public works vehicles and equipment will primarily enter the facility through the western access drive for access into the garage and continue south through the garage structure or along the western drive / parking aisle.

Site Structures

The site development will include one (1) 3,000 TON capacity salt structure that is 72' in diameter with 12-foot-high interior concrete walls with a concrete floor at the southwest corner of the site. The structure shall be a prefabricated wood, geodesic like form with architectural shingle roofing.

We are also indicating a covered material storage bin area totaling 15 bins that are 24 feet deep x 16' wide with 8-foot-high concrete push walls for each bin. Roofing shall be wood framed with architectural shingles to match the salt structure roof.

A double dispensing, two pump fuel station is contemplated at the eastern, central portion of the site with an overhead canopy and underground storage tank systems.

Site and Landscape Descriptions Cont'd.

PARKING

A surface parking lot for public parking is provided at the north end of the building. The public parking lot includes twenty-nine (29) regular parking spaces and two (2) accessible parking spaces.

The public parking at the north end of the building is accessible from either west or east access drive. Vehicular signage and access gates are provided along the west and east access drives to prevent public access to the site beyond the public parking lot.

A surface parking lot for employee parking is provided along the west side of the building. This employee parking lot includes sixty (60) parking spaces. An additional employee parking lot is provided on the east side of the building at the main entrance. This parking lot includes seven (7) regular parking spaces and three (3) accessible parking spaces.

All onsite parking spaces will be constructed with a "light duty" asphalt pavement section since these areas will not be subjected to the same wear as the access drives. The access drives and layout yard space with be constructed with a medium duty asphalt cross section.

PEDESTRIAN CIRCULATION

A pedestrian sidewalk is provided along the frontage of Boombah Boulevard and along the eastern access drive. Public pedestrian circulation will be limited to the north end of the lot and building entranceway intended for public access. The remainder of the site will be restricted from public access by the use of an 8-foot tall, black coated chain link perimeter security fence extending south from the east side of the building and around the south and west sides of the building.

GRADING

The existing overall site has a high point of approximately 643 in the middle of the site and slopes outwards in all directions. The low points at the northwest and southwest corners of the site are at approximate elevation 638 resulting in generally consistent slopes of less than 1% slope across the subject site from north to south. The highest slopes are at the southwest corner with slopes around 2%.

The site does not require retaining walls.

SITE DRAINAGE AND TOPOGRAPHY

Stormwater management design (i.e. stormwater detention) was previously provided for the overall site as part of the Yorkville Business Center subdivision. Stormwater detention for the overall site is provided in an offsite basin located west of the site.

These offsite stormwater detention basins were designed based on assumed "ultimate conditions" with a lot coverage of 85%. The proposed development has a 65% impervious area. An existing 54" reinforced concrete pipe (RCP) storm sewer is located along the east side of the site in the stormwater management easement.

Stormwater runoff from the developed site will collect in a series of catch basins and inlets and will be routed to the existing offsite stormwater detention basins primarily via the existing 54" RCP located west of the site.

FLOODPLAIN

A small portion of the site on the west side is located in Zone AE floodplain associated with Rob Roy Creek that was identified in the Interim Hydrologic & Hydraulic Analysis of Rob Roy Creek, 2005. The property will be developed in accordance with the floodplain provisions of the City's stormwater ordinance. The flood elevation is between 641 and 640.

There are no expected impacts to the floodplain due to the proposed development.

Site and Landscape Descriptions Cont'd.

SITE UTILITIES

Potable Water And Fire Suppression.

An existing 16" public water main is located along the north and east sides of the site.

A proposed new 8" public water main will be routed through the site to the south and west sides of the building and connect to the existing 16" water main at the east and north ends of the site to create a "looped" system.

Fire hydrants are placed along the new 8" public water main and spaced accordingly per local fire code. There are existing fire hydrants along Boombah Blvd.

Water service for the building will tap the existing 16" water main to the east and enter the east side of the building into the water service room.

Sanitary Sewer

An existing 15" public sanitary sewer main is located on the east side of the site. Sanitary sewer service for the building is located at the north side of the garage and will be routed through a triple basin interceptor before connecting to the existing sanitary sewer main to the south.

The depth of the existing 15" public sanitary sewer is adequate to serve the site with a gravity sewer service.

ELECTRIC DISTRIBUTION

Existing underground electric power lines are located along Boombah Boulevard. It is anticipated that the electric service for the site will be routed underground along to the northwest corner of the building.

A new electrical transformer and generator will be located towards the northwest end of the building and the electric service will enter the building in this location.

TELECOMMUNICATIONS

Existing telecommunication lines are along Boombah Boulevard. Similar to electric and gas, it is anticipated that these other "dry utilities" will be routed underground to the building and enter the building towards the northwest corner.

NATURAL GAS

An existing natural gas line is located along Boombah Boulevard. It is anticipated that the natural gas service for the site will be routed to the building along the north façade at a location convenient to service the project.

A gas meter will be located towards the northwest end of the building and the gas service will enter the building in this location. The natural gas will also provide means of emergency power for the building generator as well.

SOLID WASTE

A screened and secured enclosure on the site will be constructed to house the solid waste facilities. The solid waste facility will be accessed from Boombah Boulevard and shall be located in the rear of the secured yard space at a location to be determined.

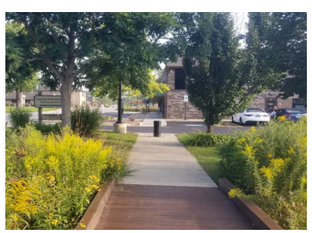
LANDSCAPE

Ornamental trees and shrub clusters in groups of 3-5 of a single species will be planted at drive entrances and within the parkway as allowable.

Shade trees will be placed in each of the parking lot islands, at the end of a parking row, and in parkways surrounding the property.

Landscaping beds surrounding the building will consist of ornamental trees, evergreen shrubs, and a mixture of perennial grasses, forbs, and bulbs.

Interpretive plantings will include pollinator species and native Northern Illinois prairie grasses and forbs. All species utilized will be native to Northern Illinois and hardy to the soil and weather conditions.



Structural Systems Description

CODE & LOADING

A. DESIGN REQUIREMENTS AND STRUCTURAL LOADS ARE TO BE IN ACCORDANCE WITH THE 2018 INTERNATIONAL BUILDING CODE AND ANY CITY/VILLAGE AMENDMENTS.

B. LOADING CRITERIA:

1. OCCUPANCY GROUP: B, S-1 & S-2
2. OCCUPANCY CATEGORY: II
3. ROOF LOADS:
   - i. GROUND SNOW LOAD (Pg) = 25 PSF
   - ii. FLAT-ROOF SNOW LOAD (Pf) = 20 PSF + DRIFTING
   - iii. SNOW EXPOSURE FACTOR (Ce) = 1.0
   - iv. SNOW IMPORTANCE FACTOR (Is) = 1.0
   - v. THERMAL FACTOR (Ct) = 1.0
4. FLOOR LIVE LOADS:
   - i. FIRST FLOOR (Office) = 100 PSF
   - ii. FIRST FLOOR (Garage)= 250 PSF
   - iii. MEZZANINE = 125 PSF
   - iv. STAIRS & PLATFORMS = 100 PSF
   - v. MECHANICAL ROOMS= 150 PSF
5. WIND LOADS:
   - i. BASIC WIND SPEED (V) = 107 MPH
     - a. TORNADO= 250 MPH
   - ii. IMPORTANCE FACTOR (I) = 1.00
   - iii. EXPOSURE CATEGORY = B
   - iv. ENCLOSURE CLASSIFICATION = ENCLOSED
   - v. MWFRS = 20 PSF
   - vi. COMPONENTS AND CLADDING = 25 PSF
   - vii. ROOFTOP STRUCTURES & EQUIPMENT = 35 PSF
6. SEISMIC CRITERIA:
   - i. IMPORTANCE FACTOR (I_e) = 1.00
   - ii. MAPPED SPECTRAL RESPONSE (Ss & S1) = .143 & .068
   - iii. SPECTRAL RESPONSE COEF. (SDS & SD1) = .152 & .109
   - iv. DESIGN CATEGORY = B
   - v. SITE CLASS = D
   - vi. BASIC RESISTING SYSTEM:
     - i. PRECAST SHEAR WALLS, Rw = 3.0
   - vii. RESPONSE COEFFICIENT (Cs) = 0.051W
   - viii. ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE
   - ix. NON-STRUCTURAL COMPONENTS = EXEMPT

FOUNDATIONS AND SLABS

Conventional shallow continuous trench and spread footings are anticipated based on the typical foundations used in this region. Ideally, a continuous trench foundation system will be used if the existing soil conditions can accommodate a trench foundation system. A preliminary geotechnical engineering report dated September 12, 2022, has been completed by Rubino Engineering Inc. This report indicates unsuitable soils will need to be removed as part of the initial mass excavation of the site. This will allow for an achievable allowable bearing pressure of 3,000 PSF to 4,000 PSF. Additional soil borings are planned once the building footprint and location has been finalized. This will occur during the Design Development Phase of the Project by the Civil Engineer (EEI). A 4,000 psf bearing capacity is desirable and would result in reasonably sized footings and trench widths. It is assumed that all unsuitable soils would be removed as part of the mass excavation and the need for footing undercuts would not be required during the construction of the foundations for the facility. The final report solicitation will request the feasibility of using trench foundations.

CONVENTIONAL FOOTINGS

Isolated Interior Spread: A spread footings below the steel column in the garage and office areas will be required. Thes footings will be a large mass footing that will have the top of the footing 1'-0" below the slab and thickness of approximately 36". The reinforcing for this footing are not known at this time. The proposed thickness of the footing will provide frost protection if construction occurs over the winter months.

Interior Walls: Based on the proposed construction schedule, interior wall trench footings to be approximately 24" wide and 12" thick and reinforced based on final loading conditions. Typically, these footings have (2) - #5 continuous longitudinal bars with no transverse reinforcing. The tops of these footings typically will be set 12" below the top of the floor slab to support the precast bearing walls.

Elevator Pit Base: The pit depth is anticipated to be 5' deep. The base of the pit slab will be a 12" mat slab reinforced with #5 bars at 12" o.c. each way. The sump pit is assumed to be an integral cast concrete pit formed as part of the pit slab.

TRENCH FOUNDATIONS

Supporting Precast: Trench foundations will be 3'-0" high and vary in width. The minimum width will be 2'-0 with an anticipated maximum width of 4'-0" depending on loading and allowable soil bearing capacity. The trench foundations will be reinforced with 3 to 5 continuous #5 bars top and bottom. The top of the trench foundation will be 1'-0" below the top of the floor slab to allow for the grouting and concealing of the connections at the base of the precast wall panels.

Structural Systems Description Cont.'d

WALLS

Perimeter Foundation Walls @ Stoops: Wall thicknesses are anticipated to be 8" reinforced with (2) - #5 continuous longitudinal bars top and bottom. Depth of foundation walls to be as required to accommodate frost. We anticipated providing stoop walls at all exterior man doors and overhead door locations.

Elevator Pit: Wall thicknesses are anticipated to be 8". Wall reinforcement to be (2) - #5 continuous longitudinal bars top and bottom. The pit depth is anticipated to be 5' deep. These walls will be a conventionally formed wall system rather than a trench foundation system.

Vertical Piers @ Garage Columns: In order to provide protection for the steel columns in the garage areas where vehicles are located, concrete piers that project nominally 4' above the slab will be provided. The piers will be 30" diameter with vertical #6 reinforcing bars and #4 circular ties. The steel columns would bear on top of the concrete piers.

SLABS

Interior Slab-on-Grade: Lightly loaded slabs will be 4" thick reinforced with WWF- 6x6 W2.1xW2.1. Control joints will be required at an approximate grid pattern of 15'-0" x 15'-0". A 15mil vapor retarder, (Stego Wrap Vapor Barrier) will also be provided below the slabs. A Moisture Vapor Reducing Admixture (MVRA), such as Barrier One, will be added to the mix design to avoid concrete moisture issues for the flooring products. Heavier loaded slabs (shop and garage areas) will range in thickness from 6" to 8" reinforced with #5 bars at 12" o.c. each way located at the center of the slab. Epoxy coated bars will be provided in the wash bay areas. A 6" granular sub-base is anticipated below the slabs placed directly on top of the vapor retarder.

Interior Elevated Slab on Precast Planks: Topping slab is anticipated to be 3" thick reinforced with WWF- 6x6 W2.1xW2.1. Control joints will be required at isolated locations. These will be provided below MEP equipment and fixed shelving locations.

Interior Housekeeping Pads: Slab is anticipated to be 4" thick reinforced with WWF – 6x6 W2.1xW2.1 cast on top of the slabs noted above.

Exterior Slab-on-Grade for Stoops @ Man doors: Slab is anticipated to be 5" thick reinforced with WWF – 6x6 W2.9xW2.9. Refer to Civil information for the exterior sidewalks beyond the stoops. Footprint of the stoop to be 5'x5'.

Exterior Slab-on-Grade for Stoops @ Overhead doors: Slab is anticipated to be 8" thick reinforced with #5 bars at 12" o.c. each way. Stoop footprint to be 5' wide with a length of 4' longer than the width of the overhead garage door.

Exterior Generator Pad: Pad is anticipated to be 6" thick reinforced with #5 bars at 12" o.c. each way. A 30"x8" turned down edge will be provided around the perimeter of the pad.

CONCRETE STRENGTHS

Footings, piers and foundation walls:	3,000 psi
Exterior slabs:	4,500 psi + air entrained
Interior slabs:	4,000 psi
All concrete will be normal weight:	150 pcf

MEZZANINE FRAMING (0 Hour Fire Rating)

The mezzanine level above the Public Works Shop and Sign Shop areas will be comprised of 12" hollow core precast with concrete topping slab supported on precast wall panels (single span, no interior columns) and steel beams and columns along the open edge. A steel guard rail system is anticipated to be provided on the open edge with portions of the railing system being removable.

LOW ROOF FRAMING (0 Hour Fire Rating)

The low roof construction will be comprised of steel wide flange beams, steel columns and 3", 20 Gauge, Type N prime painted metal decking. Spacing of the beams will typically be 8'-0" o.c. The lateral resisting system will be comprised of precast shear walls. The entire perimeter of the facility is anticipated to utilize precast walls which will serve as both load bearing elements as well as the lateral resisting system. If screening of the mechanical units is required, the use of a pre-manufactured screen system such as manufactured by RoofScreen typically has been cost effective screening system rather than a stick built approach. Extended parapet heights may also be implemented to provide the screening system.

Structural Systems Description Cont'd.

HIGH ROOF FRAMING – GARAGE & MAINTENANCE AREAS (0 Hour Fire Rating)

The roof construction will utilize steel bar joists (60DLH over the garage & 40 LH over the maintenance areas) and metal decking. The spacing of the joists will typically be 8'-0" to 10'-0" o.c. The lateral resisting system will be comprised of precast shear walls. Metal decking will consist of 3", 20 Gauge, Type N prime painted metal decking.

HIGH ROOF FRAMING – WASH BAY AREAS (0 Hour Fire Rating)

The roof construction will utilize precast planks with a 2" non-structural topping slab to provide a uniform surface for the roof insulation. Anticipated plank depth to be 8".

STAIR AND ELEVATOR SHAFTS (1 Hour Fire Rating)

The anticipated construction for the stairs and elevator shaft will be comprised of 10" precast walls. These shafts will provide support for the stair assemblies and elevator components as well as the surrounding floor and roof framing.

STAIR FRAMING (0 Hour Fire Rating)

The stairs will be traditional metal pan, steel stringer assemblies with concrete infill. The structural design of the stair assemblies will be required by the stair manufacturer's independent structural engineer.

WASH BAY ACCESS STAIR & PLATFORM FRAMING (0 Hour Fire Rating)

The anticipated construction for the stairs and platform will be steel framed, open grate stair system that will be free standing and not within a walled enclosure. Due to the wet environment, this framing will be galvanized. The design of this assembly will be required by the stair manufacturer's independent structural engineer. Vertical columns to the floor below will NOT be provided, NOR will vertical hangers from the roof system.

INTERIOR MASONRY WALLS (0 Hour Fire Rating)

The interior non-load bearing masonry walls (refer to the architectural drawings) will consist of 8" concrete blocks (CMU). The walls that are less than 14' in height are not anticipated to have vertical reinforcing steel. Taller walls are anticipated to have vertical reinforcing steel spaced at 24" o.c. All walls will require 16 gauge joint reinforcement (truss type) spaced 16" o.c.

Openings for doors and windows within these masonry walls will require steel lintels (or masonry bond beam lintels) at the heads.

EXTERIOR WALLS (0 Hour Fire Rating)

The exterior wall framing will consist of load bearing precast walls that will typically be a 10" precast sandwich panel. The finish of the panels can vary from reveals to inset thin brick. Reveals are typically limited to ¾" depth to avoid compromising the structural capacity of the panel. Isolated, punched window openings located in the center of the panel are desirable and economical. Need to avoid creating "pork-chop" panels. Large openings at overhead doors can be accommodated by turning the panels horizontal over the larger openings. This approach can typically avoid supplemental structural steel supporting elements.

A combination of traditional masonry veneer and metal panels are anticipated to be provided at the office area. These veneer materials will have either a precast wall panel as the backing or a light gauge metal stud system. In locations where precast is present, dovetail anchor slots will be required to be cast into the precast walls to anchor the masonry veneer to the precast walls and loose galvanized steel lintels will be required over door and window openings.

In locations where precast panels are not present, the structural backup of the veneer will be light gauge metal studs attached to the steel framing as noted above. Isolated, punched window openings less than 6' in width can typically be addressed with loose steel angels (lintels) which will not require the additional support steel. Any exterior lintels will be hot dipped galvanized.

The anticipated metal stud characteristics are as follows:

Size = 6"	Spacing = 16"
Gauge = 18 (min.)	Galvanizing = G90

Structural Systems Description Cont'd.

MATERIAL STORAGE BINS (0 Hour Fire Rating)

Exterior site storage bins are anticipated. The geometry of the bins are reflected on the Architectural Site Plan. The back of the bins will have a concrete wall and each bin will be separated by a concrete wall. A wood framed roof will be provided over the bins that slopes from front to back. The front of the bid will have a clearance of approximately 16', with the rear of the bin having a clearance of approximately 10'. See below for descriptions of the anticipated construction.

FOOTINGS

The footings will be approximately 48" wide and 18" thick at a depth suitable for frost protection. These footings will be reinforcing with longitudinal and transverse consisting of #5 bars @ 12" o.c., top and bottom, each way; epoxy coated.

WALLS

The wall thickness will be 12" and project 10' above the finished pavement surface. Wall reinforcement anticipated to be (2) layers of continuous vertical #6 bars @ 12" o.c. (layer each face) and (2) layers of continuous horizontal #6 bars @ 12" o.c. (layer each face). Reinforcing steel will be epoxy coated.

SLAB

Slab will be 8" reinforced with #5 bars at 12" o.c. each way located at the center of the slab; epoxy coated. A 6" granular sub-base is anticipated below the slab.

ROOF FRAMING

The roof over the bins will consist of 16" TJI wood joists spaced 2'-0" o.c. which span from the back wall of the bin to the front open side of the bin. The joists will bear directly on the concrete wall at the back of the bin and be supported by wood beams and posts at the open end of the bin. The post is anticipated to be 6x6 pressure treated and the beam is anticipated to be a double 1 ¾" LVL's. Plywood roof sheathing will be ¾" that is installed on the top of the joists.

DRY PAD AREA

An open air, dry pad area is anticipated with concrete walls. The overall length of the bins will be 120', depth of 40' with a total of two (2) bins. The back of the bins will have a concrete wall and each bin will be separated by a concrete wall. A continuous trench drain will be required at the front of each bin. See below for descriptions of the anticipated construction.

FOOTINGS

The footings will be approximately 6'-0" wide and 18" thick at a depth suitable for frost protection. These footings will be reinforcing with longitudinal and transverse consisting of #5 bars @ 12" o.c., top and bottom, each way; epoxy coated.

WALLS

The wall thickness will be 12" and project 8' above the finished pavement surface at the back of the bin area. We anticipate being able to slope the projecting walls between the bins from 8' down to 4' above the pavement at the free end of the wall. Wall reinforcement anticipated to be (2) layers of continuous vertical #6 bars @ 12" o.c. (layer each face) and (2) layers of continuous horizontal #6 bars @ 12" o.c. (layer each face). Reinforcing steel will be epoxy coated.

SLAB

Slab will be 8" reinforced with #5 bars at 12" o.c. each way located at the center of the slab; epoxy coated. The slab may project an additional 10' outside the ends of the bin dividing walls. A 6" granular sub-base is anticipated below the slab.

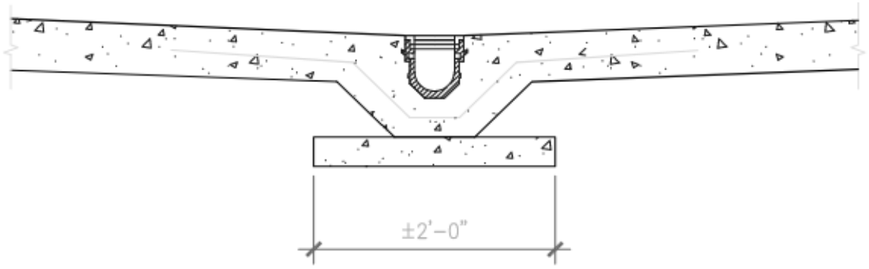
Structural Systems Description Cont'd.

OTHER ITEMS FOR CONSIDERATION

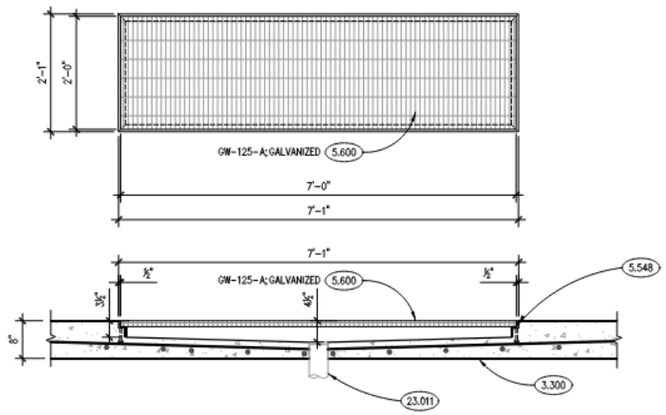
1. It is anticipated that rooftop equipment, openings and skylights will be required. All such openings will require supplemental frames consisting of steel angles. Refer to the schedule below for additional information.

ANGLE SCHEDULE	
SPAN (L)	SIZE
0' TO 6'	L3x3x1/4
6.1' TO 8'	L4x4x1/4
8.1' TO 10'	L5x5x1/4
10.1' TO 12'	L6x4x5/16(LLV)

2. It is anticipated that steel bollards will be required at the door jambs, both sides of the overhead door locations. These bollards are anticipated to be 8" diameter, galvanized.
3. Potential future expansion of the garage and storage areas will be considered as the Construction Documents are prepared. This expansion is estimated to increase the footprint of the facility by about 30%.
4. Continuous trench drains in the garage areas will be required. See typical detail below.



5. A boot wash is anticipated to be provided in the NE corner of the large vehicle garage near the entrance to the locker room areas. See typical detail below.



BOOT WASH PIT DETAIL (PLAN & SECTION) (12)
SCALE: 3/4"= 1'-0"

Architectural Descriptions

EXTERIOR WALLS AND FENESTRATION

The building exterior will consist of primarily of insulated precast concrete panels with sections of brick and stone masonry veneer and glazed aluminum storefront or curtainwall window systems. The precast panels shall be load-bearing to provide vertical structural support. The backsides of the precast panels will be exposed to view in the Fleet Maintenance and Vehicle Storage areas, as well as the Shop areas of the building. In finished office areas of the building, the structure will be composed of a load-bearing steel skeleton with exterior perimeter cold form metal wall studs with a masonry veneer and fiber cement composite panels.

Each wall and fenestration system will be designed to meet or exceed the requirements of the current energy code with regards to insulation and other energy performance factors. See the structural building system descriptions for additional information on the exterior wall construction. Exterior doors at primary public entry locations will be aluminum and glass and will be part of a storefront or curtain wall system. Secondary entrances and means of egress doors will be insulated, painted steel doors and frames.

ROOF SYSTEM

The roofing systems will consist of a 60 mil TPO fully adhered membrane system over rigid foam insulation attached to the roof deck described in the structural system description. The roof will be pitched to internal roof drains, and required overflow drains will be provided in the event the primary roof drains are blocked. All roof copings and flashings will be pre-finished steel metal. Roof-mounted mechanical equipment will be mounted on curbs flashed into the roofing system. Roofing systems will be designed to meet or exceed the thermal insulation requirements of the current energy code.

INTERIOR CONSTRUCTION

Non-load bearing interior walls will be metal stud framed with 5/8” gypsum board finish in Administration Office and lunchroom areas. Non-load-bearing walls in Shop and Employee Support areas will be built of 10” and 8” concrete block.

Other fire separation walls will be built of either concrete block or steel-framed gypsum assemblies as appropriate to their location within the building.

All walls will typically be built to the underside of the roof deck for acoustics between the interior spaces.

Interior doors in the Administration Office areas and lunch/training rooms will be solid core wood with hollow metal frames. Doors in other areas will be painted steel doors in steel frames.

Marker boards and tack boards will be provided in conference rooms, the Break/Training Room, locker rooms and other spaces as appropriate to the need; specific quantities and locations for these items will be identified and/or reviewed during the Design Development phase.

Interior signage will be provided at all numbered door openings in the building and will display text, graphics and Braille in accordance with applicable requirements.

Lockers for employees will be metal construction; 36” wide x24” deep x72” high with integral boot drawer/bench seat. The lockers shall be well-ventilated. Lockers will be provided in quantities to account for every current full-time employee plus approximately 25% growth.

Mezzanine and wash bay stairs will be open tread type with closed risers leading to the proposed mezzanine area and inside the vehicle wash bay. All components shall be galvanized steel finish – unpainted.

INTERIOR FINISHES

Gypsum board walls will typically be painted with a primer sealer followed by three coats of a durable acrylic eggshell or satin sheen paint. Gypsum board ceilings and soffits will be painted with a similar paint, but a flat sheen will be used for these surfaces.

Concrete block walls and exposed walls of precast concrete wall panels will typically be painted with a high-build block filler followed by two coats of semi-gloss sheen durable acrylic or epoxy paint.

Steel doors steel door frames, handrails and guard rails will typically be painted with a corrosion-inhibiting primer followed by two coats of a durable semi-gloss sheen acrylic or epoxy paint.

Overhead exposed construction will be painted with a spray-applied dry-fall paint.

In general, paints provided for this project will have low or no volatile organic compounds (VOCs).

Detailed information on types of interior finishes, particularly floor, ceiling and special wall finishes, are described space by space in the Design Criteria section of this document

Specialty Equipment Descriptions

VEHICLE LIFTS:

Vehicle lifts shall consist of one heavy-duty, drive on vehicle lift and three above floor slab two-post vehicle lifts. The basis of design Manufacturer is Rotary, Inc.

The proposed two post vehicle lift is Rotary Model: SPO20 Heavy Duty Two-Post Lift; 20,000 LB Capacity.- Color Blue. Budget $35,000.00 per lift.

The proposed heavy-duty truck lift is Rotary V-Rex Model: V-REX 80; Flush Mount - Scissor Lift / 80,000 lbs. Capacity and shall include 2 rolling bridge jacks. This unit comes with a PLC Power unit and shall include a pendant control to allow for remote operation away from the lift console that allows mobile spotting while lifting the vehicle. Budget $135,000.00 per lift.

LUBRICATION SYSTEMS:

Lubrication system equipment shall be by Lincoln, Graco, Sampson or pre-approved equal. The system shall consist of heavy-duty reels with single pedestal and hose roller arms, permanently lubricated bearings, ported swivel and be capable of retracting a minimum of 50' x ½" hose.

Reels shall distribute: 5w30, 15w40, 8w90, transmission (ATF), Hydraulic (HYD), Antifreeze (ANTI), (1) Air and Water at each reel location as shown. System shall be terminated in the fluids storage room. New fluid distribution shall include 55-gallon drums with associated fluid pumps. Waste oil and antifreeze tanks shall be poly material, UL 142 double walled.

Waste oil tank shall be a 500-gallon capacity. Waste antifreeze tank shall be a 240-gallon capacity.

COMPRESSED AIR SYSTEM:

Air compressors shall be manufactured by Ingersoll Rand, Champion, Quincy or Atlas Capco. All pipe and fittings shall be similar to Quincy AirNet Piping Systems; engineered polymer, extruded aluminum pipe technology with aluminum and steel fittings.

All air outlets shall have quick connectors; 3/8" brass, snap-on connectors with self closing valve.

Air compressor shall be a Quiet Enclosed Reciprocating type; 10 HP similar to Champion Model: HER10-12-RP30D; 34.1 CFM @ 175 PSI, 740 RPM Rating and 120 Gallon Capacity tank. Sound Level 66 (DBA).

ENGINE EXHAUST REMOVAL SYSTEM:

Engine exhaust removal system shall be by Plymovent, Car-Mon or Monoxivent systems and shall include reel mounted exhaust fans similar to Plymovent Model FUA-2701; 1.5 HP, single phase, 3,600 RPM.

Exhaust reels shall be spring operated hose reel hose storage systems similar to Model SER-1050 by Plymovent for 6-inch diameter hose. Exhaust hose shall be Plymovent SNF-2 high-temperature type; 40 feet in length with double-ply fabric and vice grip conical ends to fasten to vehicle exhaust pipes.

Temperature range 600 degrees F continuous and 1250 degrees F intermittent. All exhaust ductwork through the roof shall be galvanized steel – sized per exhaust rates.

HVAC Systems Descriptions

MECHANICAL SYSTEMS

The building heating, cooling and ventilation loads will be designed in accordance with ANSI/ASHRAE/ACCA Standard 183 and International Energy Conservation Code, 2021.

1. Load calculation software will be Elite CHVAC Version 8.02.85, RTS method.
2. Weather file: Aurora, Illinois.
3. Summer outdoor design conditions: 91 degrees F db, 76 degrees F wb.
4. Winter outdoor design conditions: -1 degrees F db.
5. Indoor design conditions: cooling = 75 degrees F, 50% relative humidity; heating = 72 degrees F.
6. Set back temperatures during building unoccupied mode: System shall have capability to maintain temperatures down to 55 degrees F or up to 85 degrees F.
7. Internal heat gain assumptions: People load will be calculated at 250 Btuh sensible and 200 Btuh latent. Lighting load will be calculated at 0.69 to 1.0 watts/SF, depending on occupancy of the room. Equipment load will be calculated at 1.0 watts/SF.
8. A safety factor of 10% will be used in the load calculations for sensible, latent and heating values.

SPACE ENVIRONMENTAL REQUIREMENTS

Indoor environmental quality will be addressed with ventilation rates, location of outdoor air intakes, temperature control sequences of operation and other parameters that may affect occupant comfort.

1. The outdoor air ventilation rates will meet or exceed the minimum rates as required by ASHRAE Standard 62.1.
2. The building office space pressurization will be monitored to keep the building +0.05 in. wg.
3. Equipment outdoor intakes will be located such that there will be no recirculation of harmful or noxious emissions into the building.
4. The cooling system shall be designed to maintain each zone at a temperature of 75 degrees F.
5. The heating system shall be designed to maintain each zone at a temperature of 72 degrees F.

SPACE ZONING

2-3 offices shall be calculated per thermostatic controlled zone to match their cooling/heating requirements as influenced by the occupancy. Adjacent rooms with similar cooling/heating load profiles will be grouped into the zones to minimize the quantity of variable air volume boxes required while still maintaining occupant comfort.

OCCUPANCY

The facility will be in “normal” occupied mode Monday – Friday 6:00 a.m. to 4:00 p.m. Saturday and Sunday closed. Although depending on work/weather the facility could be open at any time.

HVAC EQUIPMENT

The building will be cooled, heated and ventilated with roof top units on the building. The roof tops will consist of;

1. Direct expansion (DX) cooling with multiple compressors and variable speed lead compressor for energy efficient capacity control.
2. Gas fired heating with modulating burner.
3. Variable air volume fan control utilizing variable frequency drives.
4. Outside air flow measuring station.
5. Filter will be MERV 13.
6. Differential enthalpy economizer for “free” cooling.
7. Energy recovery device to pretreat outside air for units with high outside air amount.

Variable air volume boxes will be located throughout the facility and control each zone with a dedicated thermostat.

Supplemental heat for the building will be provided with a high efficiency, sealed combustion, condensing boiler. The hot water supply design temperature will be 140 degrees F. The water temperature will have a reset schedule to lower the water temperature down to 100 degrees F based on outside air temperature. Equipment utilizing the hot water will be:

1. Reheat coils on variable air volume boxes.
2. Unit heaters in utility spaces.
3. Cabinet unit heaters in entry vestibules.

IT rooms will be cooled with dedicated refrigerant, split system, heat pumps with low ambient controls. Janitor closets, toilet rooms and specialty rooms requiring exhaust will be exhausted by roof mounted exhaust fans.

Vehicle Parking and Vehicle Repair will use indirect fired make-up air units to heat the space. The areas will be monitored with carbon monoxide and nitrogen dioxide gas sensors to activate an exhaust system. If levels equal to or greater than 25 PPM CO or 0.7 PPM NO2 are detected, the space will be exhausted to the exterior and an alarm will be generated.

OPERATIONS

A direct digital building automation system will be specified to control the building mechanical equipment. The control system will be web-based so staff are able to monitor the facility from off-site. Equipment set points, scheduling, and alarms will be monitored with the building automation system. Design of HVAC systems and controls will allow for manual override. Energy saving control strategies will include:

1. Unoccupied space temperature setback.
2. Optimum start to bring space temperatures up to occupied set points.
3. Fan pressure optimization.
4. Supply air temperature reset.
5. Outside air economizer.
6. Heating hot water outdoor air temperature reset.

Plumbing System Description

UTILITIES

The United City of Yorkville will provide the water and sewer utilities for the facility.

A water main currently exists on the north side of the site, in the south easement, south of Boombah Boulevard. An additional water main currently exists on the east side of the site in a dedicated utility easement that crosses under the train tracks to the south. The existing eastern water line will service the proposed building.

A water loop is planned to be installed around the west and south sides of the building off the north and east water mains to create a fire loop. An 8-inch combined domestic and fire protection water supply will connect to the east water service line and shall be routed west into the building from the eastern easement water service. Once inside the service will be split into a domestic water service and a fire protection water service. Backflow preventers will be provided on the water services in accordance with the United City of Yorkville Cross Connection Control Program. The program meets the mandates of the Illinois Environmental Protection Agency.

A United City of Yorkville sanitary sewer main is located to the east side of the site. The building sanitary sewer system will connect to this existing City sanitary sewer main. The building stormwater system will be piped underground and discharge into a regional detention basin located to the west of the proposed building site. All site rainwater will be diverted here.

Natural gas will be provided by Nicor Gas. A natural gas main is located along Boombah Boulevard. The proposed location for the gas meter is near the northwest corner of the building near the electrical service room. The gas pressure in the building will be 2 lbs pressure with shut-off valves and pressure regulators located at each piece of equipment.

PLUMBING FIXTURES

Water saving plumbing fixtures will be utilized throughout the building.

1. Water closets – Wall hung, vitreous china with sensor operated flush valves having dual flush capability, 1.6/1.1 gpf.
2. Urinals – Wall hung, vitreous china with sensor operated flush valves having low flow, 0.5 gpf.
3. Lavatories – Wall hung, vitreous china with sensor activated faucets, thermostatic mixing valves and aerators that limit flow to 0.5 gpm.
4. Sinks – Single bowl stainless steel or vitreous china with aerators that limit flow to 2.2 gpm and manual operated faucets.
5. Mop basins (located in Janitor Rooms) – Floor mounted, 24” x 24” high impact structural fiberglass with wall and bumper guards. Wall mounted faucets with manual levers.
6. Service Sinks (located in Shops) – Floor mounted cast iron, enameled sinks. Wall mounted faucets with lever handles.
7. Showers – Field built with shower stalls. mixing valves with single handle and wall mounted shower head.
8. Eye/face wash – Shops will be provided with a wall mounted eye/face wash with thermostatic mixing valve meeting ASSE 1071.

DOMESTIC COLD WATER

Water will be routed through the building with copper pipes and insulated with fiberglass insulation. The water pressure provided by the United City of Yorkville is assumed to be high enough to properly operate the plumbing fixtures in the building without a booster system.

Domestic hot water: Hot water for the building will be generated with a high efficiency gas-fired water heater. Water will be stored at 140 degrees F. An ASSE 1017 master thermostatic mixing valve will adjust the hot water supply temperature to 120 degrees F for use throughout the building. Shower mixing valves shall meet ASSE 1016 standard. An ASSE 1070 thermostat mixing valve will be used at lavatories to provide a hot water temperature no greater than 110 degrees F. The building hot water will be maintained by a hot water recirculation system. The recirculation pumps shall have an ECM motor with pump timer and temperature sensor. The water heater will be sized based on a demand per fixture as follows:

1. Public lavatory = 4 gph.
2. Sinks = 8 gph.
3. Mop basin = 20 gph.
4. Demand factor = 0.30.
5. Storage factor = 1.0

SANITARY DRAINAGE

The sanitary waste and vent pipes will be PVC pipe. All sanitary pipe will drain by gravity. Garage and service areas will have trench drains with galvanized ductile iron grates. The grates shall be ANSI A112.21.1M, Extra Heavy Duty. Extra Heavy Duty is described as having a safe live load between 7,500 lbs and 10,000 lbs. The width of the trench drains shall be 12 inches. Catch basin will be installed between the trench drains and the connection to the building sanitary sewer.

The wash bay will be drained with a cast-in-place drop pit down the center length of the wash bay area. The drain shall discharge to a water-tight catch basin. The basin will be a minimum of 36 inches in diameter.

STORM DRAINAGE

The pipes will be PVC. Roof drains will be installed on the building flat roofs. The drains will be constorm drain nected into the drain pipes and collected below slab and discharge west out of the building into the regional stormwater basin or to the east and be routed under pavement to the west into the stormwater basin.

The system will connect to the site storm drainage system. A secondary overflow storm system for the building will be accomplished with scuppers.

Fire Protection System Description

FIRE PROTECTION

The fire protection system for the building will be a hydraulically calculated wet-pipe system. The water supply will be provided by the United City of Yorkville water system. The building will be fully sprinklered. The density of coverage for each area will be based on NFPA 13 requirements.

Sprinkler heads will be concealed type with white cover plates when located in acoustical or drywall ceilings. Sprinkler heads located in shops, garages and service areas will be upright brass type. The fire protection piping shall be Schedule 40 for pipes 2-inches and below and Schedule 10 steel for pipes 2-1/2" and above, in accordance with NFPA 13 requirements.

The fire department connection shall be a 4-inch Stortz connection with a 30-degree downward elbow (to be confirmed with AHJ), located on the east / northeast corner of the building. Final location shall be confirmed with the Fire Code Official.

Water pressure flow test information received from the Owner dated December 2015 notes a Static Pressure – 70 psi and an available Fire Flow = 2,608 gpm. This is sufficient for a fire suppression system to services this project.

Electrical System Description

FUNCTIONAL NEEDS ASSESSMENT

Public Works facilities are an essential component to public safety, sanitation and transportation, and are critical facilities of disaster recovery and continuity of essential services. Electrical power is required in the normal operation of the public works and is vital to continuity of operation, recovery and post-disaster operations.

Located in Kendall County, the United City of Yorkville has been subject to natural hazards that threaten life and health and have caused extensive property damage. Floods struck Kendall County in 1996 and 2008, blizzards in 1999, 2000 and 2006 and tornadoes in 1990.

Recent disaster recovery efforts have shown that facilities with functional alternate sources of power were better equipped to continue operations after the storms than those that were left completely without power. All critical facilities where emergency power was not available or generators failed as a result of inundation, mechanical, electrical and communications systems became partially or completely unusable.

Based upon these industry needs, the National Electrical Code (NEC / NFPA 70) introduced new code requirements for Critical Operations Power Systems (COPS) in article 708 of its 2008 edition and has continued to refine and add to it. The NEC states “COPS are generally installed in vital infrastructure facilities that, if destroyed or incapacitated, would, the economy, public health or safety; and where enhanced electrical infrastructure for continuity of operation has been deemed necessary by governmental authority.” Backup power systems independent of the utility grid are an essential part of the COPS.

UTILITY

Commonwealth Edison Company (Com Ed) serves as the utility for this site.

A new utility will be extended from the right of way on Boombah Boulevard on the north side of the site to the northwest corner of the new building. Preliminary concept plans for this utility improvement includes the installation of a new pad-mount transformer with secondary metering for main building at project site. The transformer will be located on the west side of the building but will be physically separated from the on-site alternate source of power. A utility easement or right of way from Boombah Boulevard to the customer service locations will be necessary.

Temporary power will be necessary for construction purposes. Site planning should allow for temporary overhead aerial distribution in an area that will not interfere with construction activities.

ELECTRICAL SERVICE AND DISTRIBUTION

A building service voltage of 277/480 volt, 3 phase, 4 wire is recommended for this facility. For planning purposes only, a preliminary connected load of 907 kVA is anticipated with an anticipated demand of 1,052kVA which equates to a 1,600 ampere service capacity requirement.

The service equipment will house a category C surge protection device. Anticipated grounding electrodes for this building include water service, structural steel, concrete-encased electrode (incorporated within building foundation design) and supplemental driven ground rod.

The service will be configured as an underground service with service laterals extending from the utility pad-mount transformer to an interior service disconnect in the main switchboard located within the dedicated electrical closet in the northwest corner of the Fleet Garage on the west side of the building. The switchboard will include the current transformer/metering section and main circuit breaker. Molded case circuit breakers will be utilized for the electrical distribution overcurrent protection devices.

The electrical distribution necessary for this facility will consist of distribution feeders for building equipment such as the mechanical system and the audio-visual low voltage system. The balance of the electrical distribution will include lighting and appliance panelboards for branch circuits located within dedicated spaces.

Four lighting panelboards at 277/480-volt is anticipated to be used for lighting, eight 120/208-volt receptacle panels and associated transformers are anticipated to be used for task lighting, equipment and plug loads. All feeders will originate from the service equipment switchboard. End use metering will be provided to monitor energy usage: Total HVAC System, Interior lighting, Exterior lighting, Plug loads, Building operations and other miscellaneous loads.

The Salt Dome Structure will be fed from the main building and will require generator backup. The anticipated grounding at the Salt Dome will be done via a supplemental driven ground rod.

ELECTRICAL HAZARDS CLASSIFICATION ANALYSIS

Chemical storage can be an issue depending on the types of chemicals and the quantities of each. Refer to Table 511.3(C) of the NEC for further guidance.

A mechanic’s garage is also a location that needs to be treated with care as it poses unique considerations for safety. Exact hazards based on type of fuels, chemicals, and quantities will be confirmed within design development phase for the fluid storage room.

Electrical System Description Cont'd.

EMERGENCY ELECTRICAL SYSTEM

The Owner has requested a natural gas driven generator to provide an alternate source of power for continued operations of the entire facility. This generator will be classified as an optional standby system.

Kluber anticipates a 750-kW generator will be adequate for this total building system demand.
Self-contained unit equipment (battery) will be used for exit and emergency lighting life safety requirements.

LIGHTING

Interior and exterior lighting systems will utilize solid state lighting (LED) sources throughout. Lamp color temperature for interior luminaires will be specified as 4000-degree Kelvin with a color rendering index of nominally 85. Lamp color temperature of exterior luminaires will be specified to match the existing campus color temperature. Exterior pole-mount luminaires will match the campus standard unit.

Kluber recommends the added control strategy to include tunable light. Tunable light allows for the users to choose the light intensity of the lit environment as well as the visible color. The color will be allowed to vary between a warm incandescent to a proximity to full day light.

A centralized lighting control system will be specified for common areas, time control, exterior control and day lighting functions. The exterior parking lot lighting will also include the capability to lower the light level to an inactive secure illumination level as scheduled by the City of Yorkville.

The control strategy for individual room control will include automatic on, vacancy off sequence of operation with adjustable (dimmable) controls where appropriate.

LIGHTING DESIGN CRITERIA

INTERIOR

Room Type	Light Level (Foot Candles) Based on IESNA	IECC 2021 Lighting power density
Conference Room	30-50 FC	0.97
Corridor	5-10 FC	0.41
Kitchen / Food Prep	30-75 FC	1.09
Lobby – Office / General	20-30 FC	0.84
Locker Room	10-30 FC	0.52
Lounge / Breakroom	10-30 FC	0.59
Mechanical / Electrical Room	20-50 FC	0.43
Office – Open	30-50 FC	0.61
Office – Private / Closed	30-50 FC	0.74
Parking – Interior	5-10 FC	0.15
Restroom / Toilet	10-30 FC	0.63
Stairway	5-10 FC	0.49
Storage Room – General	5-20 FC	0.38
Workshop	30-75 FC	1.26

EXTERIOR

Room Type	Light Level (Foot Candles)	IESNA Lighting Standard
Parking Lot	0.8 FC Avg/0.2 FC Min/ 4:1 Avg to Min	IES RP-20-14
Building Entrance	2FC Avg/ 5 FC Max	IES RP-33-14
Sidewalks	0.2 FC Min	IES RP-33-14

Electrical System Description Cont'd.

POWER

Kluber will present receptacle lay out practices and guidance for review and acceptance by Owner during the design development phase. Receptacles shall be circuited so no more than 5 receptacles are on a single 20A circuit.

Panelboards will be distributed throughout the facility to reduce the length of branch circuits to comply with the energy conservation code and good design practices. Conference rooms will be provided with floor boxes under table to accommodate equipment needing power and data located on the table. Copiers, Vending machines, kitchen appliances, etc. shall be connected to dedicated circuits. Receptacles shall be in floor boxes if not located against the wall.

All receptacles within 6' of sinks shall be GFI protected. Receptacles in toilet rooms and locker rooms shall be GFI protected. Receptacles in areas where flammable fumes can accumulate will be mounted at code prescribed heights.

Floor boxes or power poles may be required in shop areas where power is required at work areas non-adjacent to walls. Kluber will present receptacle lay out practices and guidance for review and acceptance by client during design development phase.

The electrical system for the IT data equipment shall have UPS backup and dedicated HVAC equipment to ensure continued optimal operation.

Provide connection to all mechanical systems. Provide appropriate feed to welders and other equipment in shops and garage service bay.

Provide power and control connections to all motorized gates. Provide power to cranes and lifts in service garage.

FIRE ALARM

The fire alarm control unit will be an addressable system with an RF transmitter for monitoring connection to a supervising station as selected by Owner.

Anticipated initiating/supervisory devices for this building will include manual pull station at each exit door, duct smoke detection, fire alarm smoke and fire protection sprinkler flow/tamper. Fire safety control functions for this building will include fan shut down.

Notification appliances for this building are recommended to be audio (speaker) appliances with the capability of mass notification and other building notification capabilities. Visual notification will be incorporated and synchronized where necessary.

TECHNOLOGY

Technology systems design will be addressed during the design development phase.

This contract will address the horizontal pathways for audio/visual. Data, security or local area network cabling requirements. The horizontal pathways for audio/visual, data security or local area network cabling requirements.

The horizontal pathways for technology will include the installation of ¾" empty conduit stubs into accessible locations with 4-inch square standard outlet box and trim rings. Technology device locations will be located as directed by Client or designated representatives.

A conduit system for card readers and entry controls will be provided for exterior doors of building and motorized gates.

Owner's IT representative will provide all cabling, devices, termination and testing of local area network components. Kluber has the capability of providing the design services, if desired.

Preliminary Opinion of Probable Costs

Preliminary Opinion of Probable Construction Cost of Work and Total Project Costs are identified in this section.

Preliminary Opinion of Probable Costs (7/10/2024)

Item	Description: Public Works & Parks: (Administration Area-Design E)	Total SF	Cost Range Per S.F.			Budget Range:			Cost Per SF Totals:	
B	New Building Construction:									
1	Building Costs (A - Administration Areas)	8,533	$ 177	to	$ 191	$ 1,510,341	to	$ 1,629,803		
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3	Building Costs (C - Fleet Garage)	68,664	$ 212	to	$ 226	$ 14,556,768	to	$ 15,518,064		
4	Building Costs (C - Fleet Garage - Mezzanine)	10,922	$ 105	to	$ 119	$ 1,146,810	to	$ 1,299,718		
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6	Building Costs (E - Fleet Maintenance)	10,544	$ 286	to	$ 300	$ 3,015,584	to	$ 3,163,200		
7	Exterior Structures:									
	Fuel Station (2500 Gal Diesel, 2500 Gal Gasoline, 2 pumps with canopy, underground tanks)		$ 450,000	to	$ 500,000	$ 450,000		$ 500,000		
	Salt Structure (100ft diameter, 8' wall height, 5000 TONS)		$ 275,000	to	$ 300,000	$ 275,000		$ 300,000		
	Material Storage Bins (15 bins)		$ 495,000	to	$ 565,000	$ 495,000		$ 565,000		
	Sub-Total New Construction Cost	116,311				$ 23,950,546	to	$ 25,655,235	$ 197.25	$ 211.29

Preliminary Opinion of Probable Costs (7/10/2024 – Cont'd.)

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1	Site Improvements	Eng. Est.	$ 3,000,000	to	$ 3,300,000	$ 3,000,000	to	$ 3,300,000			
	Sub-Total Site Development Cost					$ 3,000,000	to	$ 3,300,000			
D	Sub-Total Construction Cost					$ 26,950,546	to	$ 28,955,235	$ 221.96	$ 238.47	
E	Design Contingency (3% of Line D)					$ 808,516	to	$ 868,657			
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G	Construction Contingency (10% of Line F)					$ 2,775,906		$ 2,982,389			
H	Sub-Total Construction Cost with Const. Contingency					$ 30,534,969		$ 32,806,281	$ 262.53	$ 282.06	
J	Fixtures, Furniture and Equipment (10% of Line F)					$ 2,775,906		$ 2,982,389			
K	Administrative Expenses* (2% of Line F)					$ 555,181		$ 596,478			
L	A/E Fees (Includes Civil Engineering Service Fees Contracted Direct By Owner)					$ 2,020,860		$ 2,171,179			
M	Total Soft Costs (J+K+L)					$ 5,351,947		$ 5,750,046	$ 46.01	$ 49.44	
N	Phase 1: Total Project Budget					$ 35,886,916		$ 38,556,327	$ 308.54	$ 331.49	
P	Alternates for Consideration:										
1	Alt. #1 - Carport Construction: East of Shops	6,943	$ 124	to	$ 138	$ 860,932	to	$ 958,134			

Note: Building Services Components Spaces (Item F in the program statement) have been incorporated into line items B1-B6 above.
*Administrative Expenses: Construction testing, permit fees, soil borings, utility connection fees, legal fees, etc. as required for the project.

BOARD PRESENTATION

August 27, 2024

Yorkville Combined Public Works & Parks Department Facility

SUBMITTED TO:

United City of Yorkville

651 Prairie Point Drive

Yorkville, Illinois 60560

Building Program

This section breaks down the individual building spaces that comprise the project including quantities and space sizes. This program statement has been revised to include additional Owner information on fleet and personnel requirements. Items in red text reflect updated Owner requirements that differ from the original 2021 study phase.

Combined Space Needs Totals

Location	Yorkville, Illinois			Updated By: SKF		
Tag	Space Name	Qty	Length	Width	SF	Notes
A - Administration						
	Public Works				3,851	
	Parks				2,661	
	Sub-Total				**6,512**	
	Circulation Factor			**32%**	**2,084**	
	Total - Administration				**8,596**	
B - Employee Support						
	Public Works				4,265	
	Parks				1,996	
	Sub-Total				**6,261**	
	Circulation Factor			**28%**	**1,753**	
	Total - Employee Support				**8,014**	
C - Fleet Garage						
	Public Works				39,288	
	Parks				29,376	
	Sub-Total				**68,664**	
	Circulation Factor			**0%**	**0**	Included in Calculation for space
	Total - Fleet Garage				**68,664**	
C - Fleet Garage - Mezzanine						
	Public Works				6,144	
	Parks				4,608	
	Sub-Total				**10,752**	
	Circulation Factor			**0%**	**0**	Included in Calculation for space
	Total - Fleet Mezzanine				**10,752**	

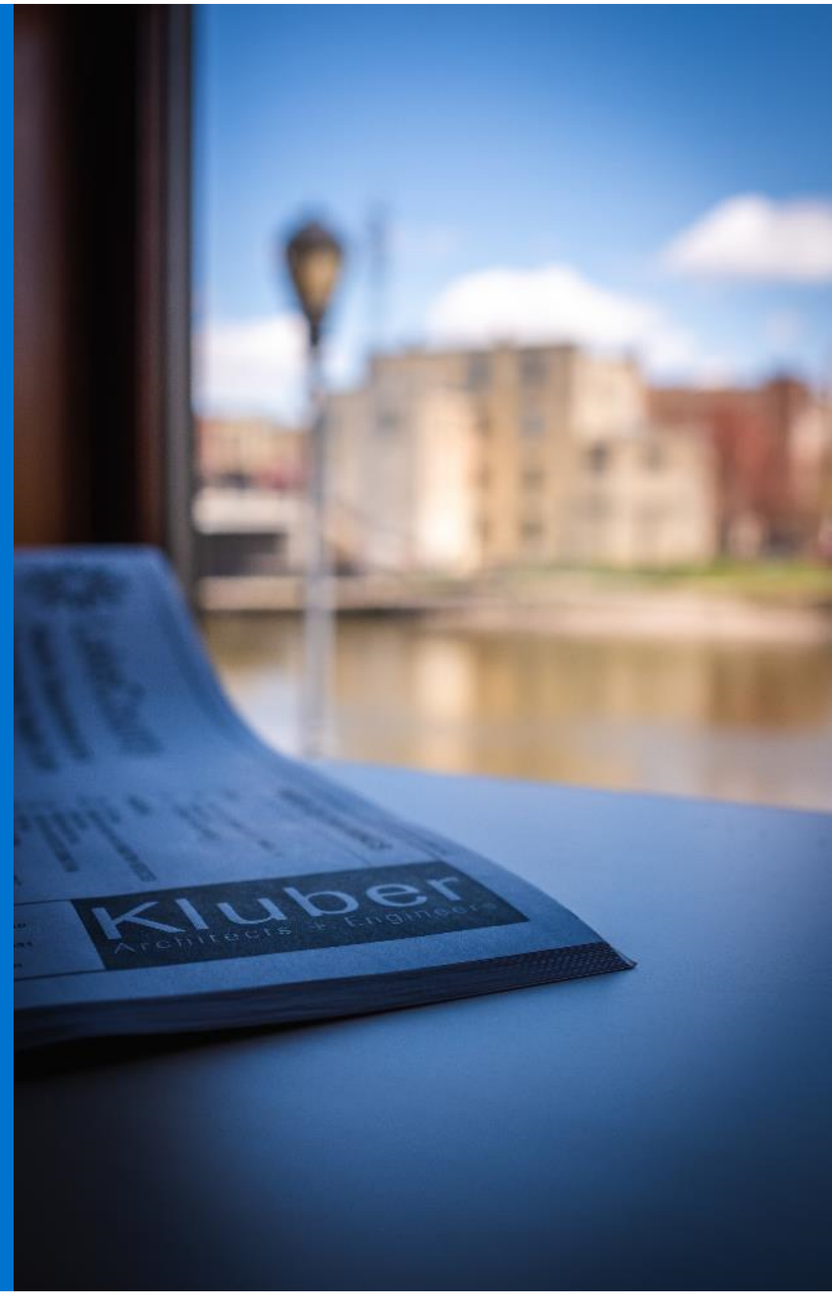
Combined Space Needs Totals

D - Shops						
	Public Works				7,056	
	Parks				2,216	
	Sub-Total				**9,272**	
	Circulation Factor			**0%**	**0**	Included in Calculation of Space
	Total - Employee Support				**9,272**	
E - Fleet Maintenance						
	Public Works				8,146	
	Parks				1,176	
	Sub-Total				**9,322**	
	Circulation Factor			**0%**	**0**	Included in Calculation of Space
	Total - Employee Support				**9,322**	
F - Building Services						
	Public Works				1,669	
	Parks				0	
	Sub-Total				**1,669**	
	Circulation Factor			**28%**	**467**	
	Total - Employee Support				**2,136**	
	Building Grand Totals (Building Only without Salt Dome, Bulk Storage & Fuel Station)					
	Total Net SF				**116,756**	
G - Outdoor Facilities						
	Public Works				7,147	
	Parks				2,688	
	Sub-Total				**9,835**	
	Circulation Factor			**0%**	**0**	Included in Calculation of Space
	Total - Outdoor Facilities				**9,835**	

Total Building Size Shall Be 116,756 SF.
Original program was 93,567 SF

Design Images

We have created three-dimensional images that describe our proposed exterior design solution. These images include information on the building form, materials, and the development of the building site.

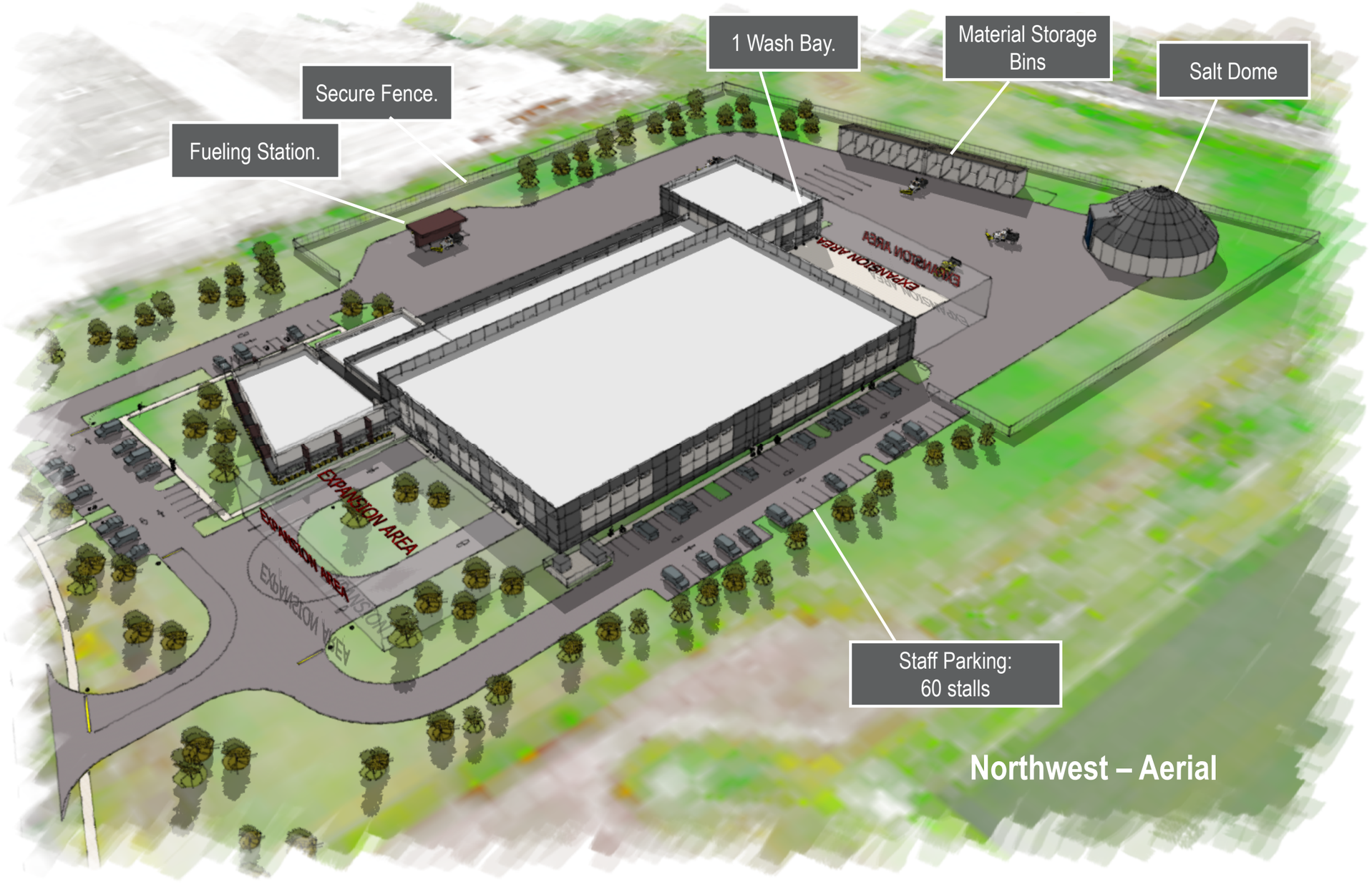



Public Parking:
10 public stalls, 3 handicap.
Main Building
Entrance.
Street View


36 Foot Tall Precast Garage Structure.
Outdoor Patio area for staff.
Public Entrance
Public Entrance


Fueling Station
2 Mechanic Service Bays.
1 Wash Bay.
Carport Roof for additional Shop and vehicle storage.
Secure Fence.
Exit Drive

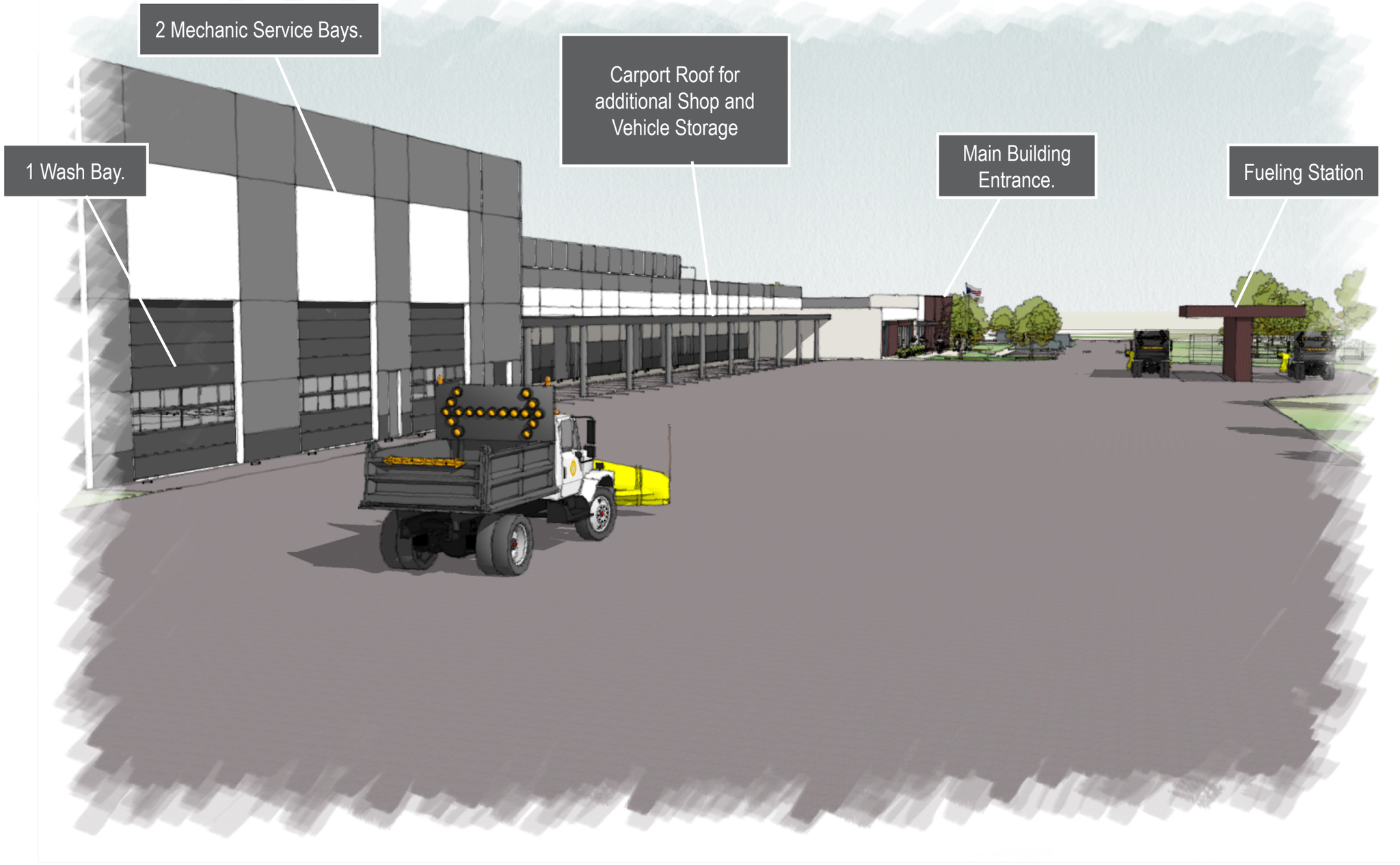
Northeast - Aerial



Northwest – Aerial

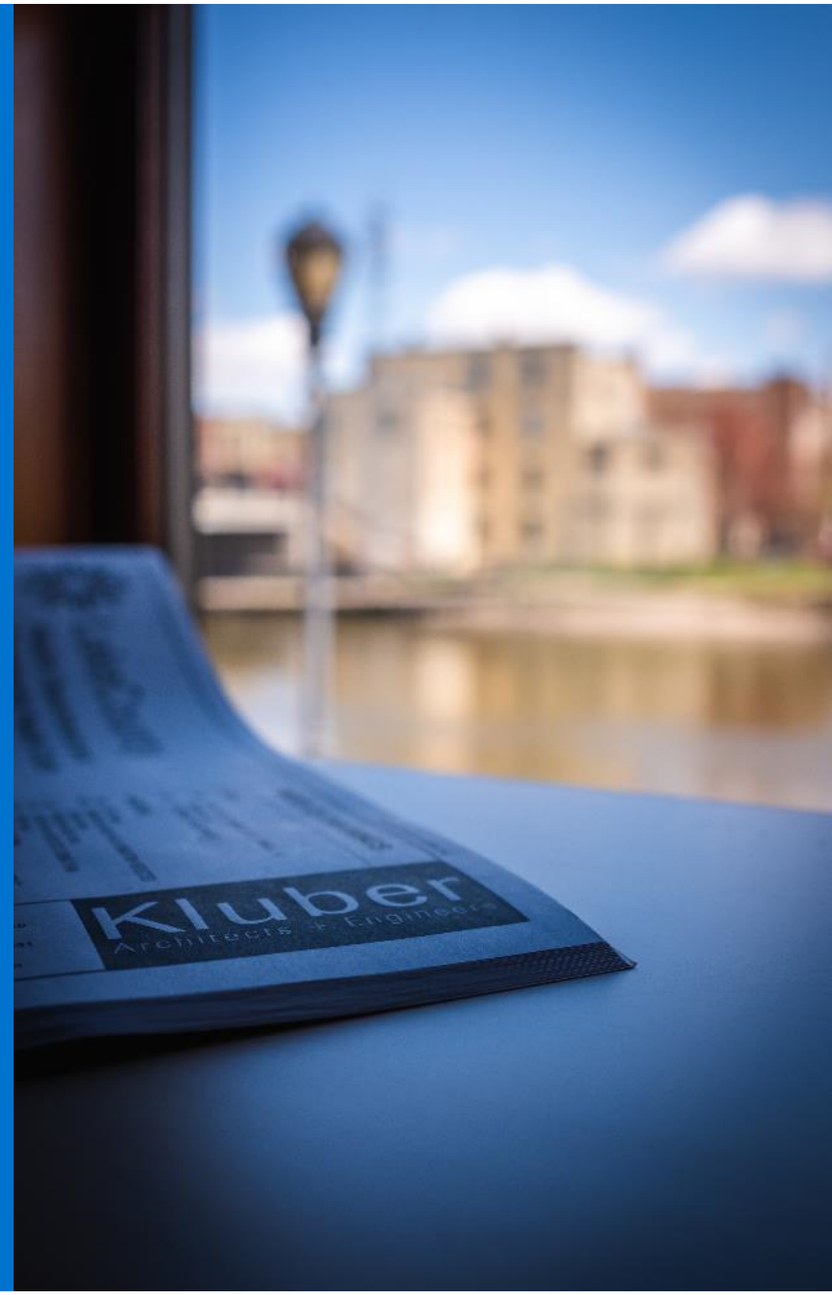

36 Foot tall Precast Garage Structure
Administrative Area
EXPANSION AREA
Entrance Garage Door
Public Works Entrance Drive


Fueling Station.
2 Mechanic Service Bays.
EXPANSION AREA
EXPANSION AREA
Mechanic Staging:
10 stalls
1 Wash Bay.
Overhead Exit
Doors.
Secure Fence.


2 Mechanic Service Bays.
Carport Roof for additional Shop and Vehicle Storage
1 Wash Bay.
Main Building Entrance.
Fueling Station

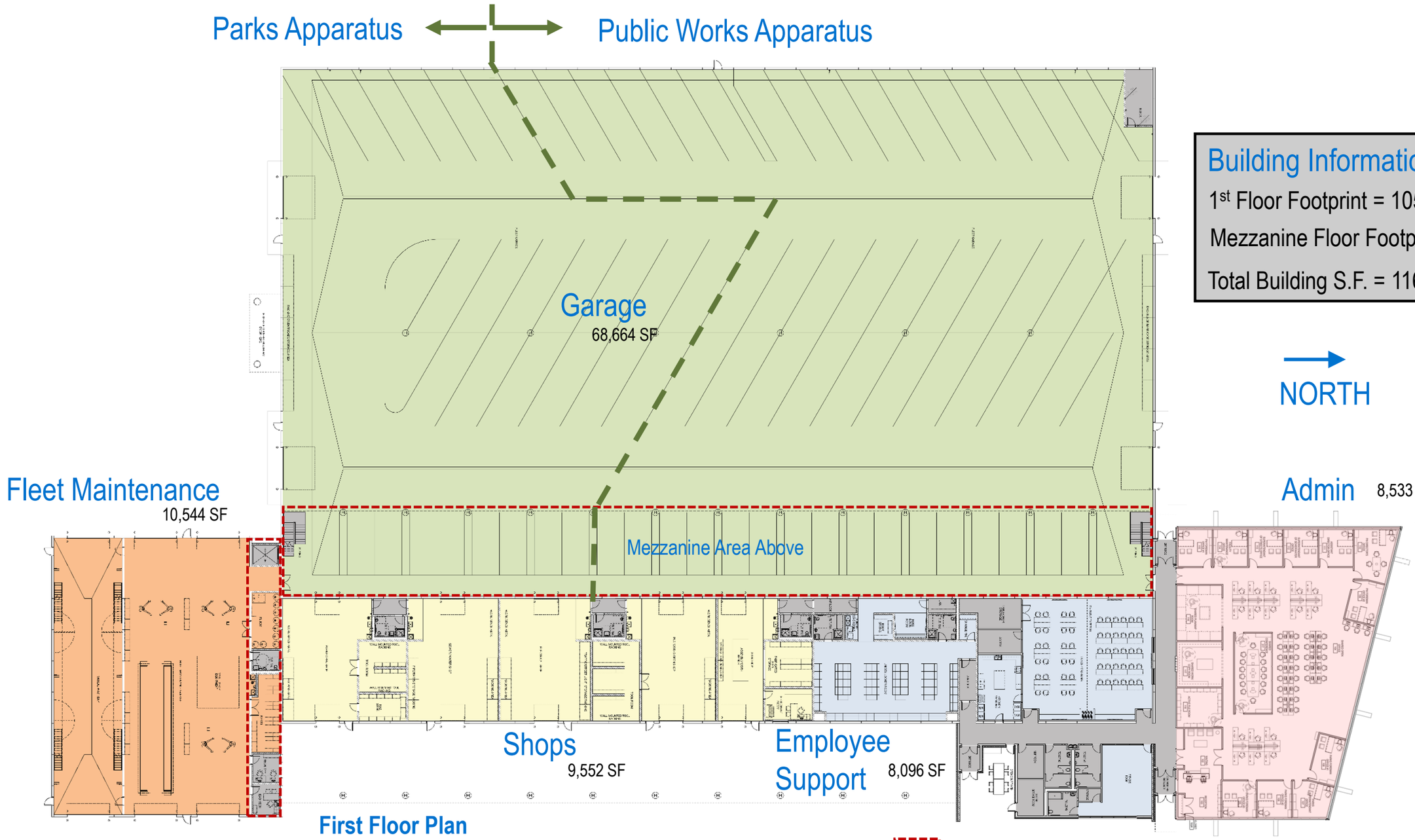
Site & Building Floor Plans

Updated Site & Building Floor Plans are shown in this section. This series of drawings have been prepared by Kluber, Inc. & Engineering Enterprises Inc. and include illustrations of proposed site parking, building layout, utilities, stormwater management and landscaping.



Site

130 Parking spaces on site. Two drive entrances from the North to circulate the site. Depressional stormwater management to the West. Salt dome and material storage bins to the South. Space for expansion to the North and South of the garage.



Building Information:

1st Floor Footprint = 105, 390 SF

Mezzanine Floor Footprint = 10,922 SF

Total Building S.F. = 116,312 SF

NORTH

First Floor Plan

The image above is the first-floor plan of the building.

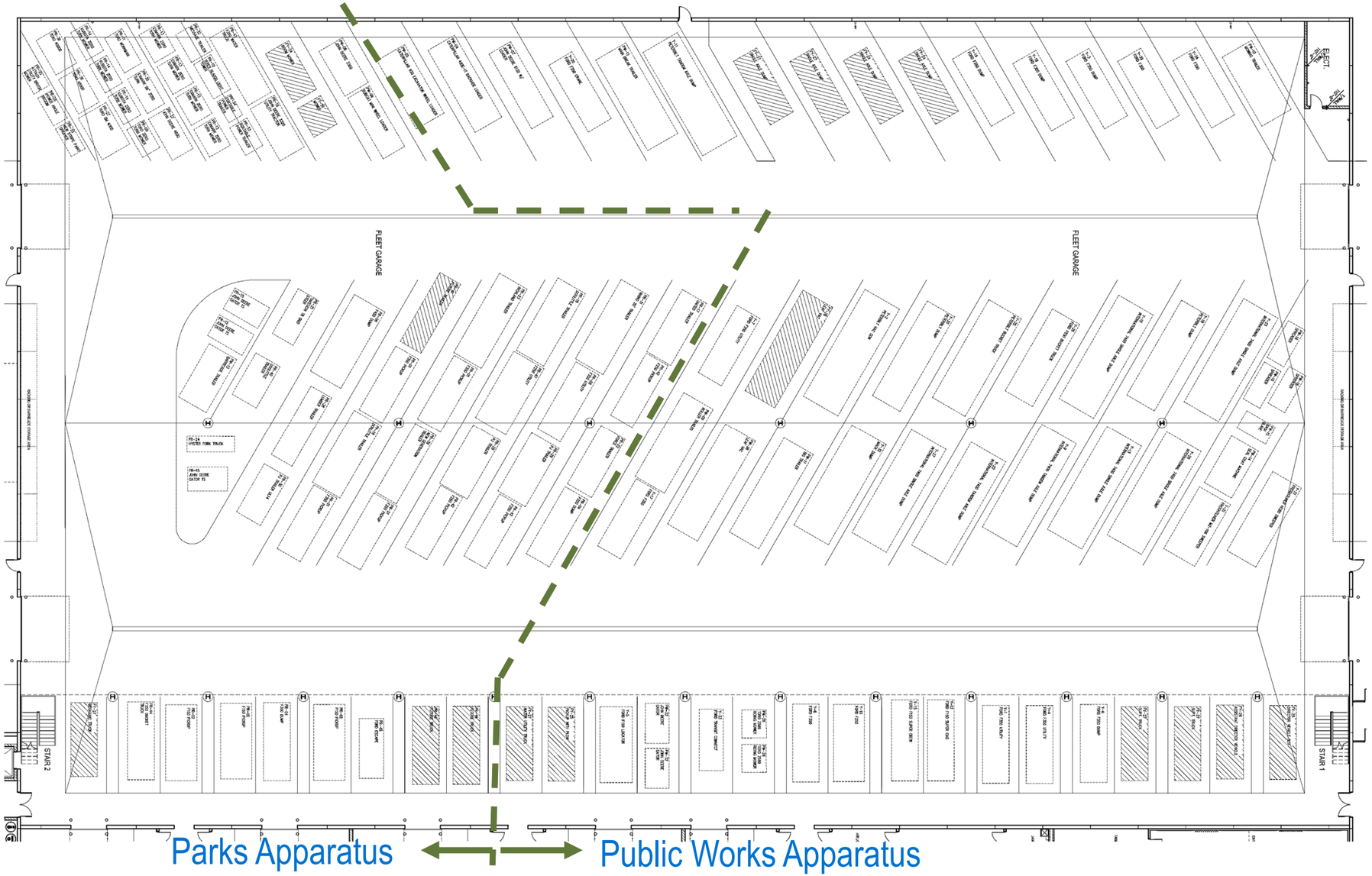
Indicates 2nd floor mezzanine location

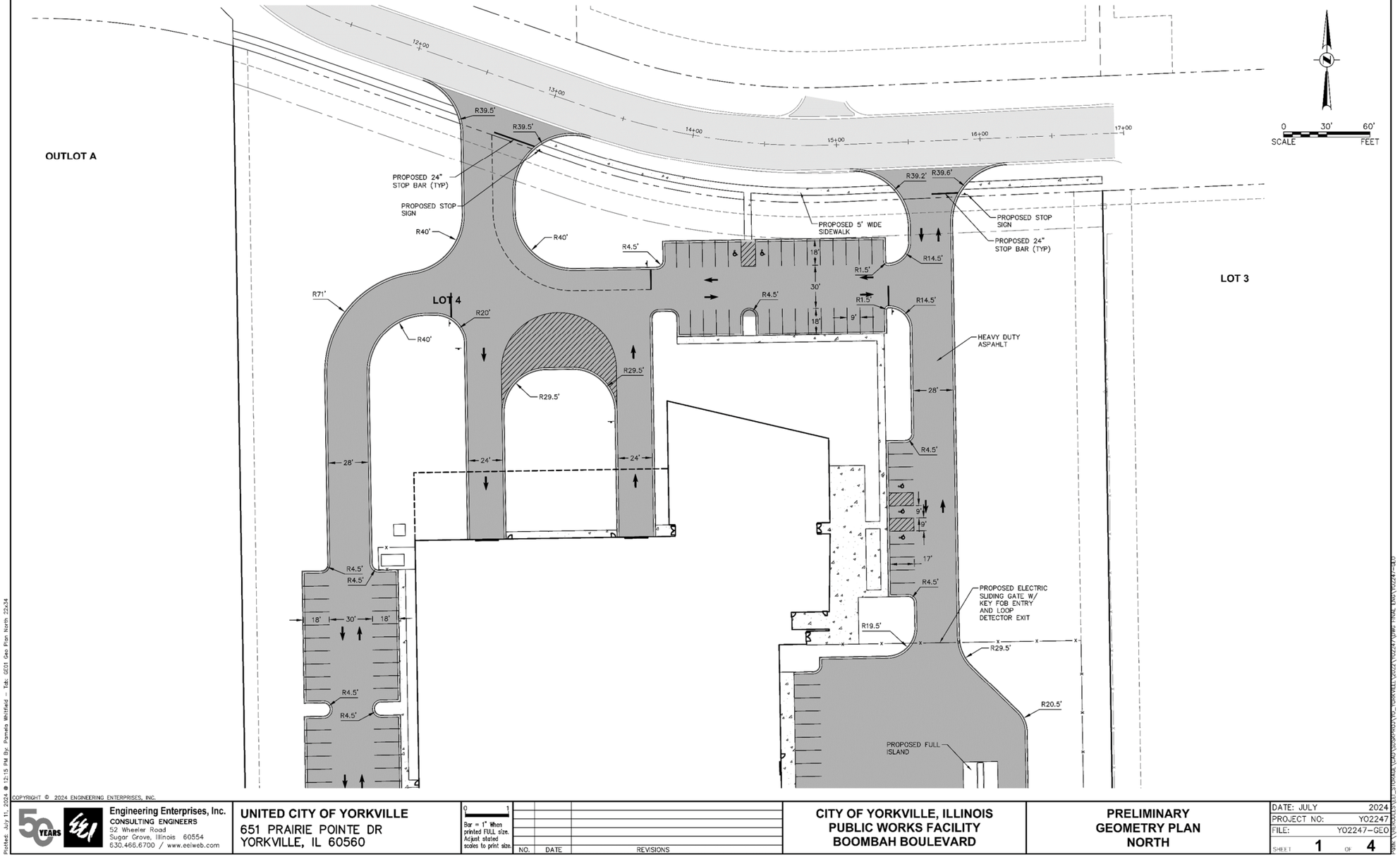
Fleet Garage Analysis

Fleet Information:

Shaded Vehicles are Vehicles the City plans to purchase over the next 5 years.
White vehicles are currently owned by the City

NORTH





Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

UNITED CITY OF YORKVILLE
651 PRAIRIE POINTE DR
YORKVILLE, IL 60560

Bar = 1" When printed FULL size. Adjust stated scales to print size.

NO.	DATE	REVISIONS

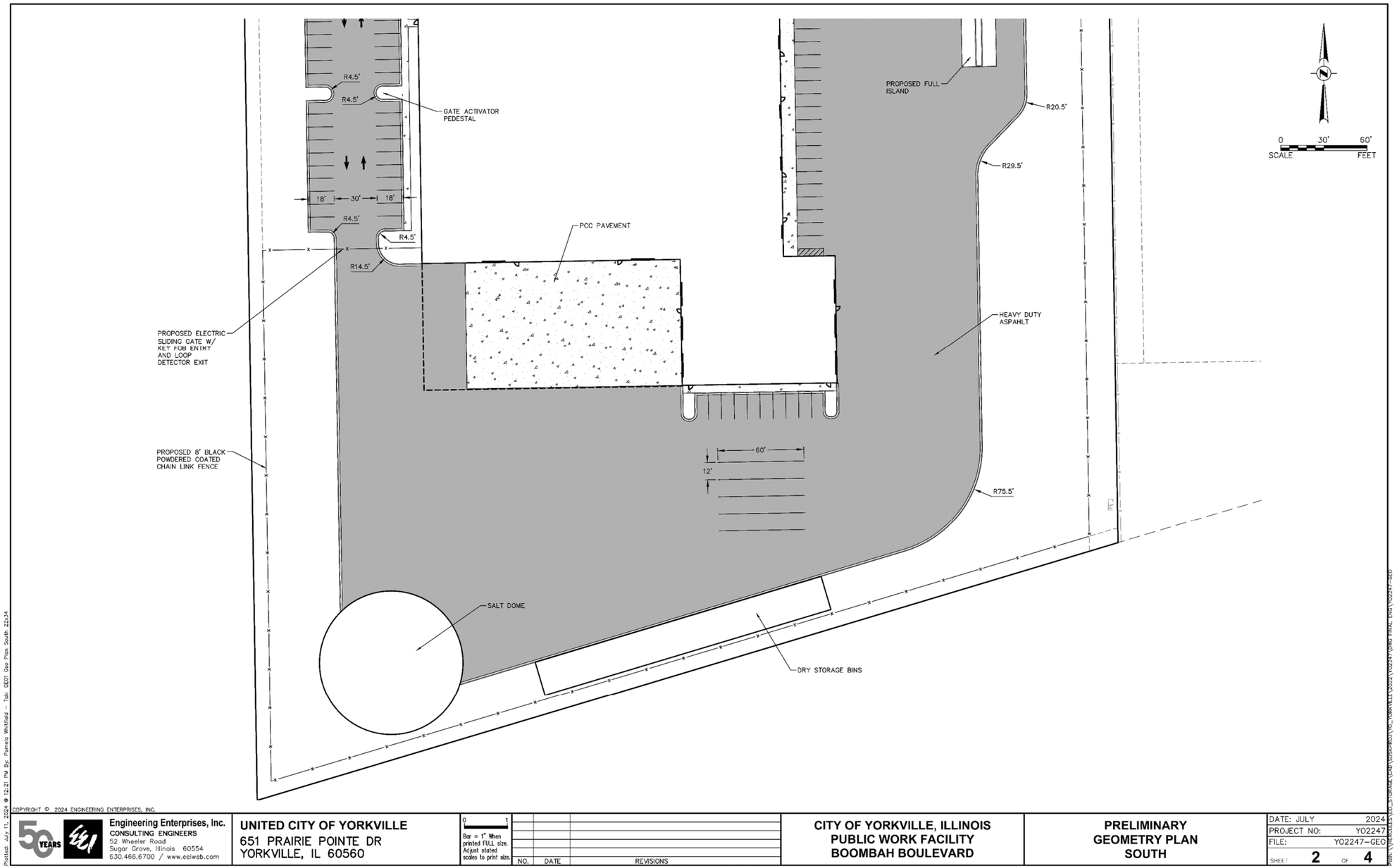
CITY OF YORKVILLE, ILLINOIS
PUBLIC WORKS FACILITY
BOOMBAH BOULEVARD

PRELIMINARY
GEOMETRY PLAN
NORTH

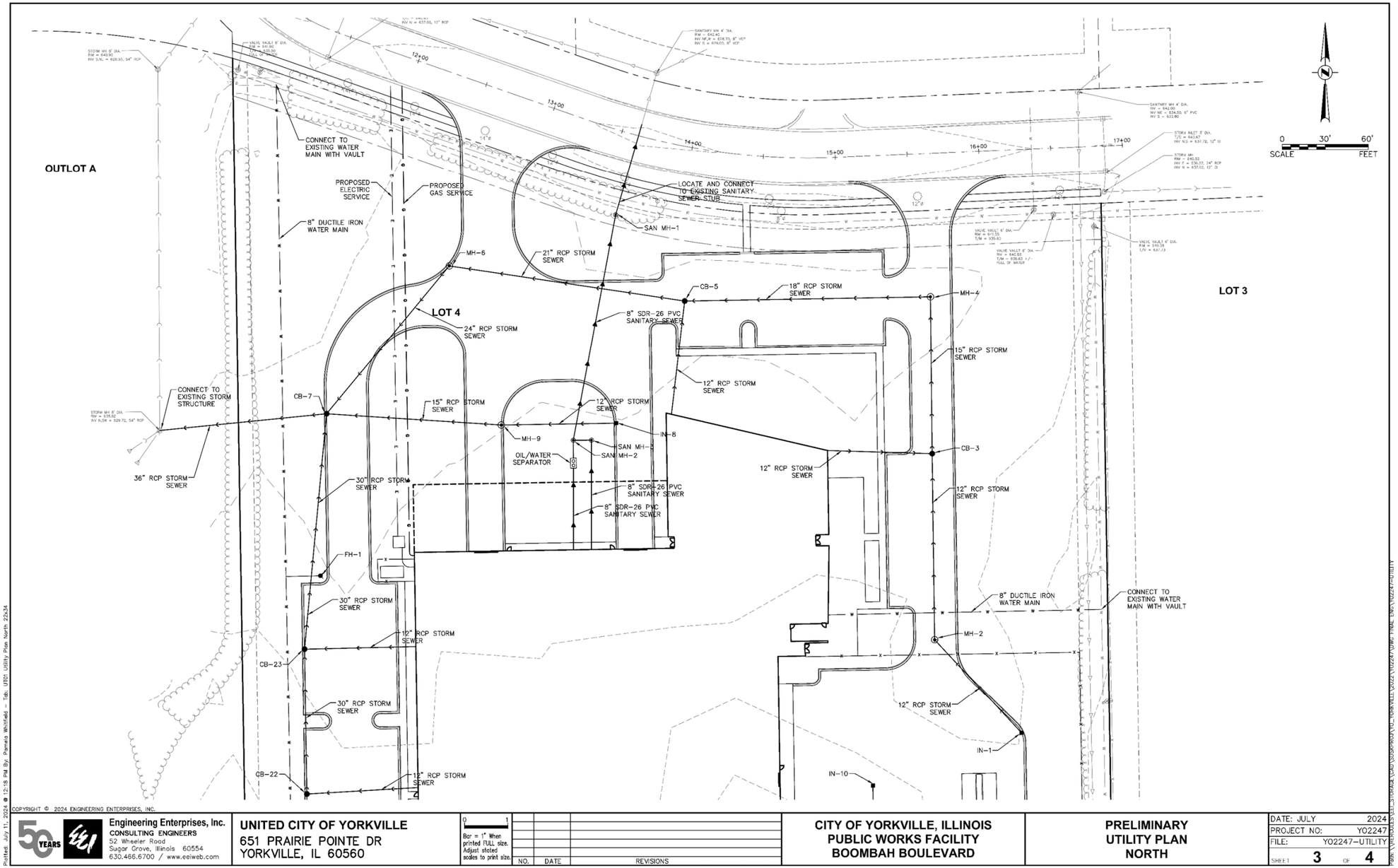
DATE: JULY 2024
PROJECT NO: YO2247
FILE: YO2247-GEO
SHEET 1 OF 4

Plotted: July 11, 2024 @ 12:15 PM By: Pamela Whitfield – Tab: GE01 Geo Plan North 22x34

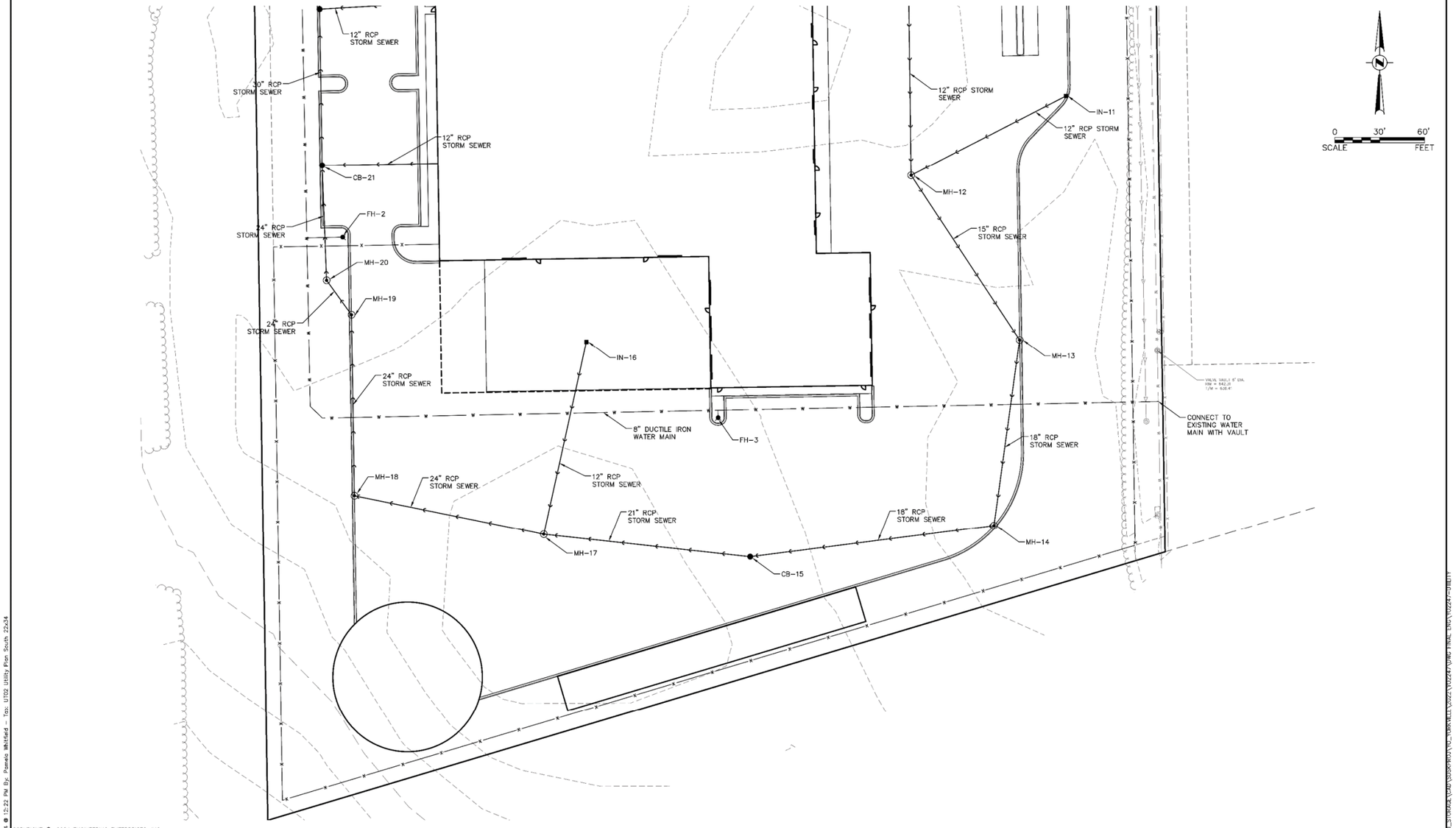
Engineering Geometry Plan North



Engineering Geometry Plan South



Engineering Utility Plan North



Engineering Utility Plan South

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Preliminary Opinion of Probable Costs (7/10/2024 – Cont'd.)

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*Administrative Expenses: Construction testing, permit fees, soil borings, utility connection fees, legal fees, etc. as required for the project.

Reviewed By:	
Legal	☐
Finance	☐
Engineer	■
City Administrator	■
Community Development	☐
Purchasing	☐
Police	☐
Public Works	■
Parks and Recreation	☐

Agenda Item Number

New Business #7

Tracking Number

PW 2024-72

Agenda Item Summary Memo

Title: Kluber Construction Manager RFQ Status Update

Meeting and Date: Public Works Committee – August 20, 2024

Synopsis: Please see the attached memo.

Council Action Previously Taken:

Date of Action: _____ Action Taken: _____

Item Number: _____

Type of Vote Required: Majority

Council Action Requested: Approval

Submitted by: Bart Olson (Name) Administration (Department)

Agenda Item Notes:

Have a question or comment about this agenda item?
Call us Monday-Friday, 8:00am to 4:30pm at 630-553-4350, email us at agendas@yorkville.il.us, post at www.facebook.com/CityofYorkville, tweet us at @CityofYorkville, and/or contact any of your elected officials at http://www.yorkville.il.us/320/City-Council

Memorandum

To: City Council
From: Bart Olson, City Administrator
CC:
Date: August 14, 2024
Subject: Construction Manager RFQ

Summary

Review of the construction manager RFQ document and proposed selection process.

Background

This item was last discussed by the City Council in February 2024, when the City Council approved an architectural design contract with Kluber for the Public Works and Parks Maintenance Facility project. Since that meeting, we have toured local Public Works facilities and refined the space needs analysis for the building (which is included in a separate agenda item). The next step to eventual facility construction is to hire a construction manager.

The proposed construction manager request for qualifications (RFQ) document is attached. In general, the construction manager will be hired to provide pre-construction services to the City by assisting with final design decisions, providing value engineering recommendations, providing cost estimates, and administering the bidding process, as well as construction management services which includes daily management of the project, site management, and finally providing the City with some cost controls via a proposed guaranteed maximum price (GMP) structure. This GMP is explained in detail later in this memo.

We propose to select the construction manager via this RFQ. Staff needs feedback/concurrence on the following process:

1) Construction companies will respond to the RFQ document with their qualifications, and we propose to have staff review the qualifications (Bart, Erin, Eric, Tim, Jesus).
2) Staff will select 2-4 firms for an interview, and then conduct those interviews. For these interviews, we think it's appropriate for 1-2 aldermen to sit in.
3) Post interview, the staff and participating alderman will recommend one firm to the City Council for selection. City Council will approve/deny the staff recommendation.
4) Post City Council approval of the selection, staff will negotiate a final contract with the firm. Once agreed upon by staff and the firm, the contract will be brought to City Council for approval/denial. This contract will contain a negotiated profit margin for the project, but the GMP/project cost will be set at a later date.
5) Preconstruction services as outlined in the RFQ document will be completed. This includes value engineering efforts and will result in a final design of the building.
6) The City Council will review and approve/deny the final design of the building.

7) The project will be bid out by the construction manager. Bids will be received (with pricing).
8) The staff will work with the construction manager to set guaranteed maximum pricing (GMP) levels for each trade and the entire project. The GMP amounts will be included in a contract amendment with the construction manager and will be submitted to the City Council. We anticipate the GMPs to consist of bid pricing plus a modest contingency, and for the contract terms to stipulate that the City receives any unspent funds back at the end of the project.
9) The City Council will review the construction manager contract amendment with GMPs, and will approve/deny.
10) If #9 is approved, the project will proceed forward to construction.

Within the selection process outlined above, we have multiple points of City Council review. The RFQ review and interviews are expected to be relatively mundane but time sensitive (interviews would likely have to occur during normal business hours). Additionally, we think there will be opportunities for an alderman to participate in the steering committee during the construction process and/or to assist with final design choices (furniture, colors, etc.).

Recommendation

Staff recommends approval of the RFQ document, and seeks feedback and consent on the construction manager RFQ selection process.

UNITED CITY OF YORKVILLE

NEW PUBLIC WORKS FACILITY

REQUEST FOR QUALIFICATIONS

FOR CONSTRUCTION MANAGER

As Constructor (CMc) where the basis of payment is the Cost of the Work Plus a Fee with a Guaranteed Maximum Price (GMP)

August 29, 2024

United City of Yorkville
651 Prairie Pointe Drive
Yorkville, Illinois 60560

TABLE OF CONTENTS

REQUEST FOR CONSTRUCTION MANAGER QUALIFICATIONS

1. INTRODUCTION

1.1 PURPOSE: The United City of Yorkville ("Owner") is issuing a Request for Qualifications (the "RFQ") which was advertised on August 29, 2024 and is due on September 11, 2024 at 2:00 pm CST. The Owner is requesting written qualifications from Construction Management firms to provide Construction Manager as Constructor services where the basis of payment is the Cost of the Work Plus a Fee with a Guaranteed Maximum Price ("GMP"). A brief description of the Project, as herein defined, is set forth below for your convenience, with detailed requirements found in Section 3 of the RFQ, "SERVICES REQUIRED FROM THE CONSTRUCTION MANAGER". The Form of Agreement will be AIA A133-2019, Standard Form of Agreement between Owner and Construction Manager as Constructor where the basis of payment is the Cost of the Work Plus a Fee with a Guaranteed Maximum Price.

1.2 PROJECT DESCRIPTION:

New Public Works Facility Project ("Project")

The existing Yorkville Public Works Facility is located at 610 Tower Lane in Yorkville, Illinois. The existing Yorkville Parks and Recreation Maintenance Department is located at 185 Wolf Street in Yorkville, Illinois.

It is the intent of this project to consolidate and relocate both operations to one combined Public Works site. The project has also been designed to allow for future building expansion.

The goal of the Yorkville Public Works project is to have a building that is maximized for operations, built for today but planned for expansion, that provides for improved staff amenities and can house the all fleet, shop and administrative space under roof.

The new facility shall be constructed on a 12.0 acre Planned Unit Development (PUD) parcel of vacant land located at the west end of Boombah Boulevard in Yorkville, Illinois; just west of U.S. Route 47 on the south side of the road. This parcel was purchased previously by the United City of Yorkville in 2023. The site is serviced by existing underground utilities and stormwater management will be directed off site into the regional western stormwater basin that was developed as part of the original PUD.

The proposed building structure totals 116,311 square feet and includes a 10,922 square foot open mezzanine. Site amenities will also include materials storage bins, a fueling station, a salt structure and material dry pad construction.

Schematic Design documents have been completed by Kluber Architects + Engineers dated July 12, 2024. The documents are attached hereto for your reference. A Preliminary Estimate of Construction Cost prepared by Kluber, Inc. dated July 10, 2024 is also attached for your reference.

The preliminary Project Schedule is as follows:

Phase	Start Date	End Date
Design Development (Ongoing)	15 July 2024	26 September 2024
DD cost estimate (by CM)	09 October 2024	17 October 2024
Construction Documents	18 October 2024	12 December 2024
CD cost estimate (by CM)	13 December 2024	20 December 2024
Procurement	Mid-January 2025	Mid-February 2025
Commencement of Construction	TBD: Estimated April 2025	
Substantial Completion	TBD: Estimated May 2026	

The Construction Manager will participate in the pre-construction phase, including attendance at meetings with the Architect, Engineer and Owner, development of preliminary and final Project Schedules, reviewing and recommending adoption of a phasing plan for the Project, preparation of cost estimates at each phase of design, procurement of bids from contractors as provided by law, preparation of a Guaranteed Maximum Price (GMP) for the Project, and day to day administration of the Project.

The Construction Manager may bid to self-perform any of the trade work on the Project but it is not a requirement. All construction contracts for the work will be competitively bid and awarded to those bidders determined to be the lowest responsible and responsive bidder in each category of the work, as determined by the City Council in accordance with applicable law. All bidding will be "open book" to allow the City a clear understanding of the costs associated with the work. The GMP is to be established AFTER selection of the lowest qualified trade package bidder is known.

The Owner's maximum Construction Cost of the Work (COW) for the Project is between $30,534,969.00 and $32,806,281.00 Million Dollars, including all Contingencies, Allowances and Construction Management fees and General Conditions expenses.

2. KEY INFORMATION ABOUT THIS RFQ

2.1 RFQ Contact: The RFQ Contact, identified below, is the sole point of contact regarding the RFQ from the date of issuance until selection of the successful Construction Manager.

Contact Name:	Bart Olson
Title:	City Administrator
Owner:	United City of Yorkville
Address:	651 Prairie Pointe Drive Yorkville, IL 60560
Email:	bolson@yorkville.il.us
Phone:	630.553.8537

2.2 **Questions**: All questions shall be submitted via email and directed to the RFQ contact NO LATER THAN 12:00 pm (noon) on Monday, September 9, 2024. Do not discuss this RFQ with any person other than the RFQ Contact. Questions received less than seven calendar days prior to the due date and time may be answered at the discretion of the Owner. When the answer to a question regarding the RFQ may result in a material change to the RFQ, we will respond in writing. In that case, we will send the answer to all eligible recipients of the RFQ. Only written or emailed answers to questions will be binding on this Project.

2.3 **Submission Deadline and Timetable**: The following dates are set forth for informational and planning purposes; however, the Owner reserves the right to change the dates.

Issue RFQ:	August 29, 2024
Questions Due:	Sept. 09, 2024
Due Date/Time for Qualifications:	Sept. 11, 2024 @ 2:00 p.m.
Notification of Construction Manager Candidates:	September 16, 2024
Interview of Construction Manager Candidates:	September 23, 2024
Selection of Construction Manager:	October 08, 2024

2.4 **Pre-Qualifications Meeting**: A Pre-Qualifications and existing site tour will not be scheduled.

2.5 **Number of Copies**: Submit Eight (8) printed and bound copies of your qualifications response as well as an electronic version on a USB drive. Do not submit a cost proposal at this time.

2.6 **Submission Review**: The Owner will open all documents that are submitted in a proper and timely manner and will record the names and other information specified by law and rule. All submittals become the property of the Owner and will not be returned, except in the case of a late submission.

2.7 **Submittal Address**:

Contact Name:	Bart Olson
Title:	City Administrator
Owner:	United City of Yorkville
Address:	651 Prairie Pointe Drive Yorkville, IL 60560
Email:	bolson@yorkville.il.us
Phone:	630.553.8537

3. SERVICES REQUIRED FROM THE CONSTRUCTION MANAGER.

3.1 Services Required

Construction Manager shall be responsible for the following services:

3.1.1 Preconstruction services will include but not be necessarily limited to:

a. Acting as the Cost Consultant and establishing preliminary and detailed final estimates of the Cost of the Work as defined in Section 7.1.1 of AIA A133-2019.
b. Provide an integral part of the design approach.
c. Provide value engineering during the design phase.
d. Attend all design meetings with Owner and Architect.
e. Establish bidding procedures in conjunction with Owner and Architect.
f. Establish all prequalification standards with Owner and scope of work bid packages for bidding.
g. Publish notice for pre-qualification of contractors.
h. Solicit a minimum of three (3) bids per trade.
i. Conduct public bidding, open, and record all bids.
j. Evaluate all bids and assist in preparing a recommendation and making a presentation to Owner.

3.1.2 Construction Management basic scope of services are to include but not be limited to:

a. Preconstruction services including cost estimating, scheduling, constructability reviews, and value engineering during the design phase.
b. Estimating Cost of the Work.
c. Establishing a Guaranteed Maximum Price.
d. Scheduling for the Project.
e. Responsibility for all Construction Management services and general conditions services.
f. Administration/project coordination.
g. On site management.
h. All construction management services defined within the Contract Documents.

3.2 Staffing Specifications: Provide adequate, qualified levels of staffing to perform all work required and specified by the Scope of Services Required. A full time Project Superintendent shall be maintained at the construction site of the Project from the start-up of construction operations through the completion of the punch list for the Project. A Project Manager shall be maintained on the project from the startup of Design Development through the completion of the punch list for the Project.

The Project Superintendent and the Project Manager shall not be changed without approval of the Owner**.** The Project Superintendent and the Project Manager must demonstrate successful experience through completion of a project of similar type, size, scope, and complexity. The Project Superintendent shall be present on the Project Site

whenever any construction work is being performed. The Project Manager will serve as the single point of contact between the Owner, the Architect, and the Construction Manager.

3.3 **Insurance**: Construction Manager shall be required to maintain insurance as required under Section 6.8 of the RFQ.

3.4 **Performance and Payment Bonds**: Construction Manager shall be required to purchase and maintain a performance bond and a labor and material payment bond in an initial amount of the estimated Guaranteed Maximum Price, and thereafter adjusted to not less than 100% of the Guaranteed Maximum Price.

3.5 **Other Specifications**: Construction Manager shall be required to enter into AIA Document A133-2019, Standard Form of Agreement between Owner and Construction Manager as Constructor where the basis of payment is the Cost of the Work Plus a Fee with a Guaranteed Maximum Price as modified for this Project.

Construction Manager shall be subject to the provisions of AIA Document A201-2017, General Conditions of the Contract for Construction, as modified for this Project.

4. SUBMITTAL REQUIREMENTS

All submittals must be thorough, complete and accurate and include the following (there is a 50 page limit on the submittal):

4.1 **Cover Letter:** Response letter of interest on the firm's letterhead transmitting the qualifications package. Include name of the firm, local address, telephone number and name of primary contact person (with email address).

4.2 **Firm Information & Qualifications:** Provide firm information and qualifications.

4.3 **Organizational Chart:** Indicate staff assigned to this project and their roles. Provide key Staff/Sub-Consultant Qualifications and Relevant Experience: Include all team member resumes and relevant project experience for individuals proposed for the project.

4.4 **Relevant Project Experience:** List of at least three (3) projects recently (within the past 10 years) completed similar in nature to this project. Include a description of each project, including (at a minimum) initial Cost of Work project budget and final Cost of Work project budget, building size, and dates of commencement and completion of construction. Provide a reference for each project submitted including name, job title, telephone number, and email address.

4.5 **Project Understanding:** Written description of project understanding.

4.6 **Technical Approach:** Describe the firm's methodology to perform the Construction Management services requested, including (but not limited to) estimating, bidding, daily project management, site supervision and quality control methods and software.

5. SELECTION CRITERIA AND WEIGHTING

The selection criteria and weightings for project selection (out of a total maximum score of 100) are as indicated below.

5.1 **Firm Experience (40 points maximum).** The entity qualifications, including experience on projects similar to the one under consideration with quality reference checks.

5.2 **Proposed Team (30 points maximum).** The proposed staff's qualifications, including experience on projects similar to the one under consideration.

5.3 **Project Understanding & Technical Approach (20 points maximum).** Project understanding and the entity's approach to the planning, organizing, execution and management of the project effort.

5.4 **Adherence to RFQ (10 points maximum).** Quality of the entity's submittal including spelling, providing all the information requested, and providing correct/accurate information.

6. GENERAL TERMS & CONDITIONS

6.1 CMc must be currently and have been for at least one year prior, registered in the State of Illinois.

6.2 Selection will be made by the evaluation committee and is subject to approval by the United City of Yorkville City Council. The successful CMc will be required to enter into a written agreement in a form acceptable to the city.

6.3 The evaluation committee and the United City of Yorkville reserve the right at any time and for any reason to cancel this professional services agreement procurement process, to reject any or all qualifications. The evaluation committee and the United City of Yorkville reserve the right to reject any non-responsive submissions. The Evaluation committee may seek clarification on any aspect of the qualifications response at any time.

6.4 The City reserves the right to reject all or any proposals, to negotiate changes in the scope of the work or services provided, to withhold the award for any reason it may determine, and to waive any irregularity, informality, or technicality in the selection process, if it is deemed in the city's best interest to do so.

6.5 All costs related to the preparation of the response to this Request for Qualifications and any related activities are the sole responsibility of the proposing firm. The City assumes no liability for any costs incurred by firms throughout the entire selection process.

6.6 All submittals, including attachments, supplementary materials, renderings, sketches, addenda, etc., shall, upon submission, become the property of the city, and will not be returned to the submitting firm.

6.7 The firm's written services agreement shall include a statement of indemnification to hold the evaluation committee, the city, its officers, agents and

employees, and each of them harmless from any and all lawsuits, claims, demands, liabilities, damages and losses including all costs, expenses and attorney's fees incurred in connection therewith, for or on account of any injury to any person, or any death at any time resulting from such injury, or any damage to property, which may arise or which may be alleged to have arisen out of or in connection with, or as a result of any negligence of the firm in performing the work covered by this RFQ or any subsequent agreement.

6.8 Qualified Construction Manager must have the following: commercial general liability, professional liability/errors and omissions insurance coverage with minimum limits of $1,000,000 per occurrence and $2,000,000 aggregated coverage with a minimum $10,000,000 excess umbrella are required. The United City of Yorkville must be named as a primary, non-contributory additional insured and a certificate of insurance provided to the city prior to the commencement of work. In addition, they should have the required statutory workers compensation and auto liability policies in place and provide Certificate Insurance evidencing said policies.

6.9 CMc must also be to defend and indemnify the United City of Yorkville against all third-party claims or causes of action against the city arising out of the firm's willful or wanton misconduct or gross negligence in the performance of their services on behalf of the city.

6.10 Equal Employment Opportunity Clause, Section 6.1 of the Illinois Department of Human Rights Rules and Regulations shall be a material term of any agreement resulting from this RFQ.

6.11 In case of default by the professional services firm, the evaluation committee and the city may procure the services from other sources and hold the firm responsible for any excess cost resulting there-from.

6.12 The selected CMc will be exclusively responsible for all services scheduled during the development of a Scope of Services. The evaluation committee will consider the CMc to be the sole point of contact with regard to contractual matters that relate to this project which includes the payment of any and all charges resulting from an agreement. Subcontracts will be permitted only upon specific, written permission of the city.

6.13 Failure to read the RFQ and comply with its instructions will be at the proposing firm's own risk. Corrections and/or modifications to submittals received after the completion of the firm's scheduled presentation will not be accepted.

6.14 CONTACT WITH CITY EMPLOYEES IS STRICTLY PROHIBITED DURING THE RFQ SUBMISSION PERIOD. All firms interested in this procurement (including the firm's employees, representatives, agents, lobbyists, attorneys and subconsultants) will refrain, under penalty of disqualification, from direct or indirect contact for the purpose of influencing the selection or creating bias in

the selection process with any person who may play a part in the selection process, including the evaluation panel, City Officials and Administration, Department Heads, Division Managers, and other City staff. This policy is intended to create a level playing field for all potential firms, assure that contract decisions are made in public and to protect the integrity of the selection process.

6.15 Neither Respondents nor any person acting on Respondent's behalf shall attempt to influence the outcome of the award by the offer, presentation or promise of gratuities, favors, or anything of value to any appointed or elected official or employee of the United City of Yorkville or their families. All inquiries regarding the solicitation are to be directed to the designated City Representative identified in this RFQ. Upon issuance of the solicitation, through the pre-award phase and up to the award, aside from Respondent's formal response to the solicitation, written requests for clarification during the period officially designated for such purpose by the City Representative, neither Respondents nor persons acting on their behalf shall communicate with any appointed or elected official or employee of the United City of Yorkville or their families through written or oral means in an attempt to persuade or influence the outcome of the award or to obtain or deliver information intended to or which could reasonably result in an advantage to any Respondent. However, nothing in this paragraph shall prevent a Respondent from making public statements to the City Council convened for a regularly scheduled session after the official selection has been made and placed on the City Council agenda for action, or to a City Council committee convened to discuss a recommendation regarding the solicitation.

6.16 Respondents who provide false or misleading information, whether intentional or not, in any documents presented to the City for consideration in the selection process shall be excluded. Any false or misleading information in these documents would, in effect, render the entire document suspect and therefore useless.

6.17 The CMc will be required to execute an approved professional services agreement with the United City of Yorkville.