

Professional MEP and Architectural Services

Village of Orland Park

Due: February 17, 2022 @ 11 a.m. CST



February 17, 2022

Office of the Village Clerk
Village of Orland Park
14700 S. Ravinia Avenue
2nd Floor
Orland Park, IL 60462

Attn.: Joel Van Essen, Director of Public Works

Re: Professional MEP and Architectural Services, RFP 22-004

Dear Mr. Van Essen and Members of the Selection Committee:

Farnsworth Group, Inc. is pleased to submit a statement of Qualifications for Professional MEP and Architectural Services for various needed facilities tasks in the Village of Orland Park. It has been our privilege to serve the Village's facilities staff over the last year. We look forward to the opportunity to serve again in the future.

The Village is very fortunate to have a diverse array of building assets. However, due to Orland Park's intense growth from the late 1970s through the late 1990s that led to the development of most of the Village's public buildings, many of these facilities need capital investment and upgrades to meet the needs of building sustainability and the community. Over the last year, Farnsworth Group has worked closely with the facilities staff to address specific needs. In addition, Orland Park has invested wisely in Facilities Master Planning as a tool for long-term capital planning and resource allocation.

Farnsworth Group is uniquely positioned with expertise to partner with the Village's Public Works team to meet these facility challenges – both long-term and immediate. **We understand municipalities.** For 130 years, our core service market has been Illinois municipalities. Our firm has an extensive portfolio in architectural planning, building commissioning, and asset management for projects of similar nature as Orland Park's upcoming priorities. Our in-house staff includes:

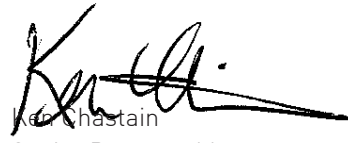
- **Mechanical Engineers** with long experience in building automation systems and the design of easily maintainable and energy-efficient systems.
- **Electrical Engineers** who are skilled in existing evaluations and new design.
- **Plumbing** and **Fire Suppression** experts in building renovations both large and small.
- A deep **Architecture** team familiar with the design expertise in the re-imagining of municipal and park/recreation buildings throughout Illinois.
- In-house facilities and pavement **Asset Management** expertise in the governmental, educational, healthcare, and corporate environments.
- A nationally known building **Commissioning** team that understands practical solutions to building enclosure challenges and ways to decrease your energy and water costs.

In addition, Farnsworth Group provides structural engineering, civil engineering, pavement / roadway design and landscape architecture for scores of municipalities in Illinois.

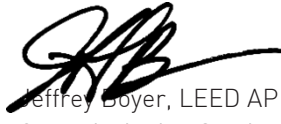
It has been our distinct honor to serve Orland Park from our many Illinois offices, including nearby Tinley Park, Lisle and Joliet. We look forward to the opportunity to continue that service. Thank you for your consideration of our qualifications.

Sincerely,

FARNSWORTH GROUP, INC.



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ACKNOWLEDGMENT OF ADDENDA

Farnsworth Group, Inc. acknowledges receipt of Addendum No. 1, posted February 9, 2022, to Bidnet Direct, and Addendum No. 2, posted February 10. We have reviewed and utilized the Q&A Document provided in Addendum No. 2 in the preparation of this response.

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Contact

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photo credit: www.orlandpark.org



Section 1 Company Experience



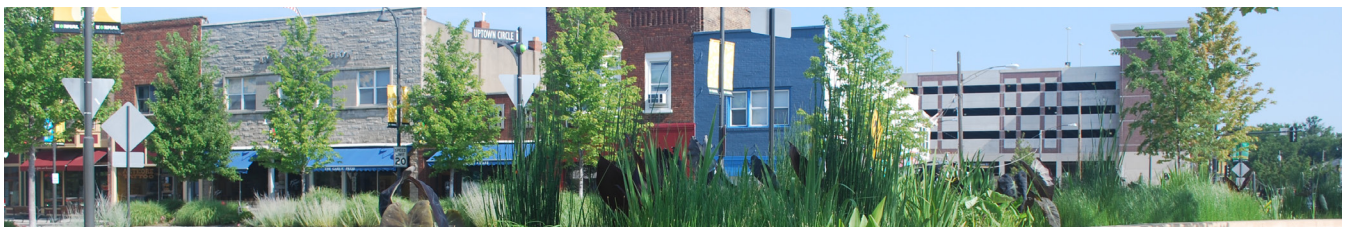
Experience in Similar Projects

MUNICIPAL OVERVIEW AND CLIENT LIST

Farnsworth Group has served more than 100 Illinois communities and public service districts throughout our history, in addition to numerous private-sector and non-profit clients. We take pride in relationships with a number of our current clients - some dating back as far as 1920. The following is a partial listing representing Illinois municipalities and entities for which we have provided engineering and/or architecture services.

MUNICIPALITIES

- | | | |
|--------------------------|-----------------------|-------------------------------|
| City of Arcola | City of Paxton | Village of Deland |
| City of Atlanta | City of Peoria | Village of Downs |
| City of Belleville | City of Pontiac | Village of Dunlap |
| City of Bloomington | City of Princeton | Village of Dwight |
| City of Calumet City | City of Toluca | Village of Forrest |
| City of Champaign | City of Urbana | Village of Green Valley |
| City of Chenoa | City of Virginia | Village of Gridley |
| City of Clinton | City of Watseka | Village of Hanna City |
| City of Danville | City of Wood River | Village of Hartsburg |
| City of Decatur | City of Wyoming | Village of Homer Glen |
| City of East Peoria | Normal Township | Village of Hudson |
| City of Effingham | Orland Township | Village of Long Point |
| City of El Paso | Reading Township | Village of Lovington |
| City of Fairview Heights | Town of Chatsworth | Village of Mackinaw |
| City of Farmer City | Town of Normal | Village of Magnolia |
| City of Galesburg | Village of Allerton | Village of Mahomet |
| City of Geneva | Village of Alsip | Village of Mansfield |
| City of Hartsburg | Village of Anchor | Village of McLean |
| City of Havana | Village of Argenta | Village of Monee |
| City of Highland | Village of Arrowsmith | Village of Mount Prospect |
| City of Hoopston | Village of Arthur | Village of Mount Zion |
| City of Joliet | Village of Ashkum | Village of Orland Park |
| City of Kewanee | Village of Atwood | Village of Peoria Heights |
| City of LeRoy | Village of Bellflower | Village of Roanoke |
| City of Lexington | Village of Bondville | Village of Roberts |
| City of Lincoln | Village of Camargo | Village of Sidney |
| City of Mascoutah | Village of Campus | Village of South Pekin |
| City of Mattoon | Village of Carlock | Village of Sublette |
| City of Minonk | Village of Cooksville | Village of Teutopolis |
| City of Monticello | Village of Cornell | Village of Thawville |
| City of Naperville | Village of Crestwood | Village of Tinley Park |
| City of Neoga | Village of Crete | Village of Tolono |
| City of Pana | Village of Danvers | Village of Warrensburg |
| | | Village of Westville |



References

Please see Section 6 – Required Forms, where our references are presented on the form the Village provided in its RFQ.

Capabilities

The following table documents how Farnsworth Group has applied the Village’s desired qualifications and capabilities on specific projects. The projects corresponding to each numbered column are listed in the Project Key below. Each X indicates the tasks Farnsworth Group provided on the project.

TASK	PROJECT EXPERIENCE				
	1	2	3	4	5
Site investigation	X	X	X	X	
Pre-design and existing conditions studies	X	X	X	X	
Architectural design	X	X	X	X	
Construction and bid documents	X	X	X	X	
Constructability review and evaluation	X				X
Bid review		X	X	X	
Estimating		X	X	X	
Technical design reviews		X	X	X	X
Procurement support		X	X	X	
Submittal and shop drawing review/approval		X	X	X	X
Record drawings		X	X	X	
Construction site inspections	X	X	X	X	X
IECC required commissioning services	X				X
Testing and balancing	X				X
Close-out documentation		X	X	X	X

PROJECT KEY	
#	Project and Client
1	Village Hall Finance Department Renovations, Village of Orland Park, IL
2	Normal Township Activity and Recreation Center, Normal, IL
3	Municipal Services Building, City of Lincoln, IL
4	Livingston County Health and Education Building, Pontiac, IL
5	Peoria Riverfront Museum, County of Peoria, IL



Normal Township Activity and Recreation Center



Lincoln Municipal Services Building



Livingston County Health and Education Building



Section 2 Operating History

Operating History

Farnsworth Group traces its origins back to the 1890s, when its predecessor firms provided land surveying and drainage services throughout Central Illinois. Now, with offices in 24 cities across the country and nearly 500 employees, we are a multidiscipline leader in all facets of design and technical consulting.

Our talented and dedicated staff of engineers, architects, surveyors, scientists, technicians, and support personnel provides the full range of services in architecture; landscape architecture; civil, environmental, transportation, mechanical, electrical, structural, and municipal engineering; and surveying. Registrations are held throughout the US.

As a national consulting firm, we rely on our **people, passion** and ability to **perform** beyond expectations to ensure your project success. Every client situation is unique, and every opportunity has its own solution.

Professional service capabilities include, but are not limited to:

- Architecture
- Landscape Architecture
- Mechanical Engineering
- Electrical Engineering
- Plumbing Engineering
- Structural Engineering
- Municipal Engineering
- Interior Design
- Civil Engineering
- Land Development
- Commissioning
- LEED® Consulting
- Land Surveying
- Pipeline Engineering
- Water System Engineering
- Wastewater System Engineering
- Stormwater Management
- Railroad Services
- Energy Services
- GIS/Mapping
- Referendum Services
- Grant Assistance
- Asset Management

FINANCIAL STABILITY

Farnsworth Group is an active multidiscipline architecture and engineering firm that had revenues of \$76 million in 2020 and \$83 million in 2019. The firm consistently places on Engineering News-Record’s annual list of the Top 500 Design Firms, moving up to No. 220 in the rankings published in April 2021. A well-balanced, diverse offering of professional services has kept the firm well-positioned. Additionally, Farnsworth Group has a strong equity position which provides the firm with the financial stability and capacity to deliver the proposed services. The firm is an employee-owned S-corporation.

NUMBER OF EMPLOYEES

The table at right provides a breakdown of our nationwide staff by discipline. Of our 475 total employees, 32 are located in Chicagoland offices in Tinley Park, Lisle, and Joliet. Additional Illinois offices in Bloomington, Normal, Peoria, and Champaign have a combined staffing of 182, providing bench depth and subject matter expertise.

FARNSWORTH GROUP STAFF PROFILE

DISCIPLINE	# OF STAFF	# OF LIC.
Administrative	63	
Architects	72	44
CAD Technicians	50	
Chemical Engineers	2	2
Civil Engineers	63	45
Commissioning Professionals	22	8
Communications Engineer	1	1
Computer Programmers	8	
Construction Inspectors	5	
Electrical Engineers	17	7
Environmental Engineers	5	4
Environmental Scientists	2	
Fire Protection Engineer	1	1
Geographic Info. Sys. Spec.	4	
Interior Designers	7	4
Land Surveyors	22	22
Landscape Architects	5	4
Mechanical Engineers	40	18
Petroleum Engineers	4	
Safety/Occ. Health Engineers	2	
Sanitary Engineers	1	1
Structural Engineers	23	15
Technicians/Analysts	32	
Transportation Engineers	22	16
Water Resources Engineers	2	1
TOTAL	475	193



Section 3
**Quality Assurance /
Quality Control**

HILLCREST
HIGH SCHOOL

Project Management

Project management and associated quality assurance practices are vital elements of our commitment to delivering excellence to our clients. It is the responsibility of our project managers to apply the appropriate principles, practices and techniques to lead the project team, control project costs and schedules, and manage performance risks in a manner that will result in a successful project for the client and all stakeholders.

Program and project level controls will be seamlessly integrated using the latest technology systems and best practices. We will closely collaborate with the overall project team members through alignment of our structure, processes and tools to specifically serve the Village. This approach ensures that we will meet your project schedule efficiently and effectively; deliver a compliant project requirement solution; deliver high quality reports and construction documents; submit project deliverables on time and within budget; and minimize change order or modification requests.

We will use a range of tools to communicate with managers, facility users, stakeholders and the overall project delivery team. This will include building presentations and leading briefings; facilitating charrettes, meetings or workshops; and providing interim status reports as necessary. Regular team coordination conference calls will be facilitated at least every two weeks. The main focus of the coordination meetings will be to review progress, action items and potential issues. The identified issues and action items will be tracked with notes and comments for the status of deadlines, milestones and deliverables. This document will form the basis of an ongoing activity report showing a record of outstanding items or issues to be addressed, respective deadlines and whether each item is open or closed. The overall goal is to share and discuss the general status of each task or milestone, identify any follow-up or actions related to those issues and also serve as a follow-up reminder of action items that are still pending.



PROJECT DELIVERY PROCESS			
PLANNING	INITIATION	EXECUTION	CLOSEOUT
<ul style="list-style-type: none"> • Receive task orders • Project Manager selects appropriate team • Set initial schedule • Discuss budget approach with client • Develop Quality Control Plan 	<ul style="list-style-type: none"> • Finalize Project Management Plan • Team huddle for overview of requirements and standards • Attend kickoff meeting with Village of Orland Park and end-user staff • Establish baselines • Kickoff meeting with team 	<ul style="list-style-type: none"> • Existing conditions assessment • User group interviews • Review existing documents and coordinate with Village • Schedule control • Quality control, including staff project reviews • Construction documents (plan & specs) as required • Budget review • Bidding assistance • Construction administration 	<ul style="list-style-type: none"> • Closeout and administration • Contract and financial closeout • Records retention

Quality Assurance / Quality Control

Definitions: Quality is defined as the degree to which a deliverable meets or exceeds a client's requirements and expectations.

Quality control (QC) refers to the operational activities put in place to control the quality of a deliverable to the client. QC activities include providing clear decisions and directions; constant supervision by experienced individuals; immediate review of completed activities for accuracy and completeness; and accurate documentation of all decisions, assumptions and recommendations. Quality control procedures ensure the work is done correctly the first time.

Quality assurance (QA) refers to the certainty that deliverables to the client meet the requirements for quality. The objective of quality assurance is the continual improvement of the total delivery process to enhance quality, productivity and customer satisfaction. Essentially, quality assurance describes the process of enforcing quality control standards. When quality assurance is well-implemented, progressive improvement in terms of both reducing errors and omissions and increasing product usability and performance should be noted.

A quality-control plan is a comprehensive, well-defined, written set of procedures and activities aimed at delivering a final product that meet or exceed a customer's expectations. The plan will identify the organization or individuals responsible for quality control and the specific procedures used to ensure delivery of a quality product. A quality-control plan also will detail quality assurance measures and the method of accountability and required documentation.

Project Manager: The responsibilities of the Project Manager (PM) to implement project quality control include, but are not limited to the following:

- The PM will assign qualified professionals and specialists to perform the project tasks.
- The PM will confirm that all individuals on the project team have a clear understanding of the scope and client's intent of the overall project.
- The PM will verify all personnel involved in performing the work are aware of the project schedule and understand the importance of meeting intermediate deadlines as well as final completion dates.
- The PM will arrange for peer reviews to be conducted at staged intervals by qualified personnel outside of the project team.
- The PM will instill a sense of project deliverable ownership into each individual on the team in order to ensure the work product meets or exceeds client expectations.

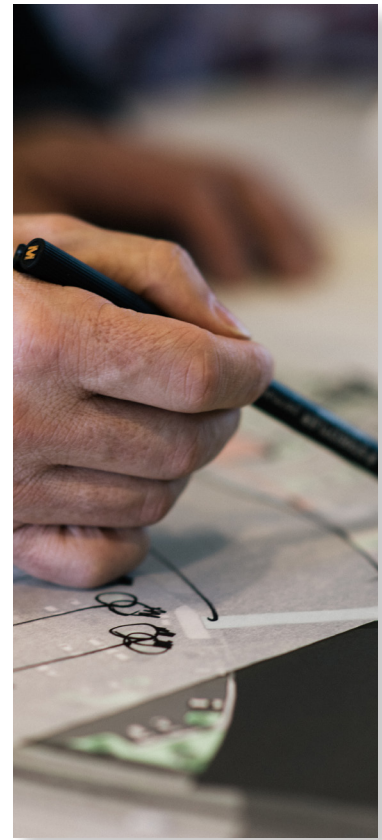


Quality assurance
is about the
process, while
Quality control
is about the
deliverable.

QA/QC: The Project QA/QCs will document the quality control process to the degree appropriate to each project. This process includes integrating checking, back-checking and peer review procedures during all phases of the project schedule.

- The Project QA/QC will implement a process to prevent errors from being introduced, as it requires less effort in the prevention than discovering and correcting errors later.
- The Project QA/QC will implement a process to ensure errors are detected and corrected as early as possible.
- The Project QA/QC will assist the PM to eliminate potential causes of errors to improve the quality process itself.

Lessons Learned: Quality control is based on the belief that quality is achieved by focusing on prevention of errors rather than the reaction to problems. Lessons-learned workshops will be conducted to continue to improve the quality assurance process to document issues for future prevention.





Section 4 Past Experience



Experience Working with Orland Park

Village of Orland Park A-E Services



Village Hall – photo credit: <https://ecogardens.com/orland-park-green-roof>

Since early 2021, Farnsworth Group has provided multiple architectural and engineering services to the Village of Orland Park, including the following projects:

Village Hall Finance Department Renovations

Farnsworth Group provided mechanical and electrical engineering and architectural services in 2021 to prepare construction documents for

RESULTS /

IMPROVED
COMFORT
FOR VILLAGE
EMPLOYEES

renovations to address temperature control issues in the Finance Department in the east wing of Village Hall. The project also included lighting upgrades. The work, self-performed by the Village, consisted of replacing old pneumatic VAV boxes, adding control valves to perimeter heating, upgrading HVAC controls, and switching out fluorescent lighting to LED fixtures. This work was later verified through the commissioning process. The system was also balanced by a subconsultant working under Farnsworth Group.

Franklin Loebe Center & Civic Center Boiler Upgrades

Heating hot water boilers were replaced in the Franklin Loebe Center and Orland Park Civic Center

LOCATION /
Orland Park, IL

CLIENT /
Village of
Orland Park

CLIENT REFERENCE /

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Facility Manager
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SERVICES /
Architecture
Mechanical
Electrical
Plumbing
Commissioning
Asset
Management

Village of Orland Park A-E Services

(continued)

facilities. Mechanical and electrical services included an energy comparison between condensing and non-condensing options, equipment selection, design documentation and final commissioning for IECC compliance.

Asset Management & Preventive Maintenance Tasking

Approximately 500 mechanical system assets were accounted across more than 15 buildings owned and operated by the village. Equipment included air handling/rooftop units, boilers, chillers, pumps, exhaust fans, split systems, unit heaters, domestic water heaters, and ice machines. Preventive maintenance tasking lists were then generated for each type of equipment to help the Village budget for hours and cost in the future.

Police Station UPS Replacement

Farnsworth Group is designing the replacement of the uninterruptible power supply (UPS) at Orland Park's Police Station. Scope included an on-site visit to document the existing UPS electrical system. Farnsworth Group provided construction documents that included plans, schedules, and specifications, as well as phasing of the work to minimize downtime of the backup system.

Centennial Park Aquatic Center Drain Modifications

Assisting the Village with completing an Illinois Department of Public Health (IDPH) permit application, Farnsworth Group is providing design for replacing the two existing main drains in the Centennial Park Aquatic Center's Activity Pool. The project will standardize the drain grates to match those in other portions of the Aquatic Center. A prequalified, licensed IDPH pool designer from Farnsworth Group's engineering staff will sign and seal the plans, which must be included in the IDPH permit application.



Police Station existing power distribution system

Experience with Other Local Governments

Building Assessment for New City Hall



Farnsworth Group completed a building assessment of a recently acquired facility for the City of Calumet City. The goal was to provide the City with the current condition of the major building systems and an opinion on whether the systems could be reused or will require replacement as part of a major remodel.

The building had been vacant and many of the utilities had been disconnected, resulting in extensive

damage to the building's systems and interiors.

A team of subject matter experts assessed the HVAC, mechanical, electrical, fire, building envelope and architectural interiors. Additional investigation into the utilities was completed to give the City insight on which portions of the systems could be reconnected to prevent further damage to the facility. With limited access to as-built information and previous building operators, the assessors' recommendations were based largely on their expertise in their specific fields. The analysis included a descriptive and photographic report indicating the existing building's deficiencies and the viability of each system's reuse in future renovations.

RESULTS /

INSIGHT INTO NECESSARY SYSTEM REPAIRS

LOCATION /
Calumet City, IL

CLIENT /
City of
Calumet City

SCALE /
33,000 SF

COMPLETION /
February 2022

COST /
Est. \$4.96M

CLIENT REFERENCE /
Deanne Jaffrey
City Administrator
City of Calumet City
708.891.8100
djaffrey@calumetcity.org

SERVICES /
Architecture
Mechanical
Electrical
Plumbing
Structural
Commissioning

Will County Commissioning Services



Farnsworth Group has served as Will County's commissioning provider for a trio of new building projects.

Will County Courthouse

Farnsworth Group provided fundamental and enhanced commissioning, building enclosure commissioning, and testing, adjusting and balancing (TAB) services for a new 11-story complex. The facility houses 37 courtrooms and supporting spaces, and numerous departments, including the County Clerk, State's Attorney, public defender, court administration, Jury Commission, court reporters, Probation Department, law library, and shared conferencing spaces. The project integrates public spaces with secured areas, including in-custody holding.

The building was developed with

an emphasis on sustainable design, security, ability to test and verify enclosure performance, operations & maintenance, ease of movement, and future expansion. The commissioning process provided value by establishing metrics for measuring expectations in the building's design.

With its complex curtain wall system, the Judicial Complex is an example for the importance of proper communication of testing procedures and requirements. Because curtain wall performance mock-ups are costly, Farnsworth Group worked with the Owner, Design Professional, and Contractor to better understand the building enclosure process and meet the requirements, while also reducing testing costs.

LOCATION /
Joliet, IL

CLIENT /
Will County

SCALE /
369,655 SF

COMPLETION /
October 2020

COST /
\$215M

CLIENT REFERENCE /

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SERVICES /
MEP
Commissioning
Building
Enclosure
Commissioning
LEED
Commissioning
TAB

Will County Commissioning Services

(continued)

Public Safety Building

Farnsworth Group provided commissioning services for the new Will County Public Safety Building, which includes the new Sheriff's facility, ETSB administrative group (911 operations), and dispatch center.

The commissioning activities included design reviews, Owner's Project Requirements development, Basis of Design review, submittal reviews pre-functional checklists with an emphasis in data gathering for implementation into Will County's computerized maintenance management system, construction site visits / meetings, training program review, O&M manual review, start-up and testing witnessing and report review, functional performance testing, seasonal testing, and systems manual development.

One of the County's key requirements involved achieving energy efficiency grants. Farnsworth Group coordinated with outside agencies and worked with the project team to obtain more than \$100,000 in grants for the County.

Commissioned systems included mechanical, electrical, plumbing, life safety, security and communications, as well as a building enclosure design review. There is a special emphasis on electrical systems, which include two generators that serve as part of the Critical Operations Power System (COPS) providing power for emergency operations.



Health Department

Farnsworth Group provided commissioning services for HVAC, building automation, plumbing, electrical, life safety, and access control systems, along with testing, adjusting, and balancing (TAB) services for a new, \$32 million health department building for Will County. The 72,000 SF facility replaced the century-old existing Will County Health Department building. The facility includes behavioral, environmental, and family health services spaces along with a tuberculosis clinic with clinical isolation rooms.

This project was executed as a design-build model with Farnsworth Group fully integrated into the design-build team from the onset of the project to ensure the Owner's requirements from an operations and maintenance perspective were incorporated as required. This approach continued for the duration of the project with Farnsworth Group working closely with the team to ensure systems were designed, selected, installed, started-up and tested in compliance with the Owner's requirements.

A major challenge related to maintaining negative pressure in isolation rooms in the tuberculosis clinics was experienced during construction. Farnsworth Group led field testing and troubleshooting of the issues with the installing contractors to make corrections to the room enclosure air tightness along with adjustments to the airflow offsets to provide the required negative pressures for these spaces.



City of Naperville A-E Services



Farnsworth Group has provided multi-discipline architecture and engineering design services to the City of Naperville since 2015, covering a variety of project types, from police stations to parking decks.

Farnsworth Group's full-service expertise helped the City to evaluate and plan its capital expenditures and assess many current facilities for future repair and maintenance. Our team also facilitated bidding, provided specification writing, and performed construction administration services.

ADA Study

The City asked Farnsworth Group to provide code consultant services in an accessibility review of 22 City buildings ranging from fire and

police stations to animal control centers and customer service centers.

Indications of non-compliance and cost estimates to resolve them were recorded in detailed reports presented to the City.

The services provided included:

- Photographic evidence of deficiencies.
- In-depth site visits and measurements.
- Coordination with the Department of Justice in seeking solutions to deficiencies.
- Recommended solutions to deficiencies.
- Cost estimates of recommended solutions.

LOCATION /
Naperville, IL

CLIENT /
City of Naperville

SERVICES /
Architecture

Electrical

Structural

Interiors

ADA Assessment

Civil

CLIENT REFERENCE /

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City of Naperville A-E Services

(continued)

Kroehler Mansion Assessment

The City of Naperville retained Farnsworth Group in 2019 to evaluate the Kroehler Mansion and perform a structural analysis of several existing buildings on the site.

The mansion was being used as a high school for adolescents dealing with social and emotional issues. The purpose of this exercise was to investigate the structural integrity of the buildings and determine their suitability for other uses, as determined by the City. Farnsworth Group performed the physical analysis, code study, and renovation suitability and provided a detailed report of our findings with cost estimates.

The Kroehler Mansion is of historical significance to the City and the surrounding neighborhood. Our historical preservation expertise was of great use during our evaluation of the site and its buildings.

Municipal Parking Deck Repairs

Bidding documents were prepared in 2018 to address repairs on the upper municipal parking deck and the drive between the deck and the Naperville Municipal Building, as well as replace railings at the stairways and sidewalks to be ADA-compliant.

The pavement throughout the area had many issues with cracking and joint failures. The sealants between the landscaping planters and the adjacent pavements had dried or were missing in many locations.

The parking lot stalls and crosswalks were restriped and the planter copings were repaired. A challenge was how to phase the \$293,800 project to keep the very important building's parking open and safe during construction.

Police Station Security Upgrade

The Naperville police station project provided designs for new flooring, new security desk, security glass in the ticketing area, and finishes to update the existing lobby. The security desk upgrades would include adding electrical capacity for new computers, printers, and other miscellaneous equipment. Key card access systems will also be coordinated as well as upgraded bullet resistant glazing in the ticketing area. The purpose of this project is to create a more secure environment for the police department staff, while keeping with a welcoming and modern aesthetic for the Naperville community. Designs were completed in 2018.



OTHER CITY OF NAPERVILLE PROJECTS

Project	Year
Naperville Municipal Center Roof Assessment	2016
DuPage Children's Museum Roof Assessment	2016
Water Service Center Roof Assessment	2016
Van Buren Parking Deck Waterproofing	2016
Maintenance Plan for 3 Parking Decks	2017
Household Hazardous Waste Collection Facility Commissioning	2017



McLean County A-E Services



Farnsworth Group has provided multi-discipline design services to McLean County on the following recent projects:

Law and Justice Center Expansion

Originally constructed in 1976, and expanded in 1990, the McLean County Law and Justice Center had been at capacity for eight years. Increased mental health needs for detainees, combined with the indirect supervision linear cell block configuration of the original facility, limited the ability of the Law and Justice Center to appropriately classify and house detainees in a manner that didn't result in overcrowding in sections of the facility while other sections were potentially underutilized.

These housing challenges, combined

with an aging infrastructure, prompted McLean County to obtain a jail needs study to assess current and future jail space needs and to serve as a guide in designing an expansion to the facility. Farnsworth Group, teamed with HOK, was selected in 2016 to design the \$40.9 million expansion, which focused on new jail pods and added approximately 150 new direct supervision cells, with the space to accommodate one future pod with approximately 50 additional cells in future phases. The 80,000 SF project opened in 2019.

The increase in cell count improved resident classification, enhanced resident management across genders, and provided the facilities necessary to accommodate best practices related to staff-inmate communication and proactive resident management.

LOCATION /
Bloomington, IL

CLIENT /
McLean County

SERVICES /
Architecture
Mechanical
Plumbing
Electrical
Structural
Civil
Commissioning
Transportation

CLIENT REFERENCE /

Eric Schmitt
McLean County
Administrative Services Director
309.888.5110
eric.schmitt@mcleancountyil.gov

McLean County A-E Services

(continued)

The project focused on improving the care provided to inmates who have mental health needs. The new cell counts include separate mental health facilities and the ability to improve classification across the general population. The project also includes new laundry facilities, new food service facilities, and a renovated portion of the existing linear jail to expand health and other resident services. Additionally, the project addressed the existing facility through roof and window replacement at the existing jail; utility upgrades, including new gas and water services; improvements to the building's fire protection system; and upgrades to the HVAC system.

The site location required special consideration. The county intended for the addition to be attached directly to the east side of the existing jail facility. However, the land immediately adjacent to the building is a former street that had been abandoned but not vacated. It was determined that critical public utility infrastructure still runs under the former street and could not be disturbed. As a result, the design had to place the addition "across the street," with a sky bridge designed to connect the two structures at an upper level.

McLean County Nursing Home

Farnsworth Group was employed to address code deficiencies identified by inspections the existing nursing home operated by McLean County. Architectural services included analysis and delineation of code-required smoke barriers for smoke compartments. Fire protection services included design for automatic sprinkler coverage for six unconditioned mechanical penthouses. Electrical services included design of wiring and panels for a separate emergency system, previously placed on incorrect panels. All scopes of work required working closely with on-site administrative staff to minimize disruptions to residents and to determine best solutions where remodel work would be minimized within the always-occupied facility. Construction on this \$388,000 project finished in 2021.

McLean County Health Department

Farnsworth Group assisted McLean County to prepare architectural construction documents for a small remodel within the existing Health Department building. Services included field verification of existing conditions and analysis of the proposed design per current building life safety codes. Construction documents were completed in September 2019.

Additional project experience for McLean County includes numerous bridge and roadway projects.



City of Peoria On-Call Services



Farnsworth Group currently holds an on-call, various engineering services contract with the City of Peoria.

Murray Baker Bridge Lighting

When the Illinois Department of Transportation announced plans to replace the deck of the Murray Baker Bridge, the City of Peoria saw it as an opportunity to light the exterior structure and span of this iconic bridge that carries Interstate 74 over the Illinois River.

The City looked to Farnsworth Group to lead the "light the bridge" effort. Farnsworth Group conducted public presentations and public meetings to gain stakeholder and community input on various decorative lighting options and opportunities. Following concept development, Farnsworth Group's electrical engineers

designed plans including luminaire and mounting details, wiring diagrams and controller cabinets for the exterior lighting system. A total of 502 spotlights were installed. The bridge structure is now illuminated in bright white while the deck lighting can display a variety of color options.

The bridge can now be seen through numerous points of Peoria and East Peoria, contributing to civic pride. The \$5 million project was completed in October 2020.

Tiger II Warehouse District

This project was completed on an extreme fast track schedule. As such, intense and significant coordination and communication was required with the City, IDOT, FHWA, County, the public, permitting agencies, utilities, and other project stakeholders.

LOCATION /
Peoria, IL

CLIENT /
City of Peoria

SERVICES /
Transportation

Structural
Survey

GIS

Stormwater
Management

Parks and
Recreation

MEP
Engineering

Energy

Asset
Management

CLIENT REFERENCE /

Jane Gerdes
Public Works Department
City of Peoria
309.494.8582
jgerdes@peoriagov.org

City of Peoria On-Call Services

(continued)



The City of Peoria selected a professional services team, which included Farnsworth Group as a Joint Venture Prime Consultant. Phase I planning and Phase II design services were provided for an area which encompasses 22 blocks within the portion of Peoria known as the Warehouse District. The entire Warehouse District is a 43 square block area that has been a commercial and industrial area for more than 100 years. Roadway, drainage, lighting, and streetscape improvements were proposed in the area for the purposes of improving vehicular and pedestrian accessibility, while providing a revitalized neighborhood for new development as well as supporting current users of the corridor.

Various Building Inspections

Farnsworth Group has a renewable retainer contract with the City of Peoria to provide electrical review and inspection services for a wide variety of building projects that require a permit with the city. These services include review of detailed construction documents for the purposes of issuing a building permit; coordination with other City of Peoria staff as well as project contractors; site visits to examine installed work; and final inspections prior to issuance of occupancy permits. While primarily for electrical materials and systems, Farnsworth Group's duties have occasionally included other disciplines such as structural engineering.

Energy and Maintenance Savings Cost Review

Farnsworth Group completed a multi-task analysis of City facilities' maintenance practices and systems. Scope included energy benchmarking analysis, energy audits and condition assessments of select facilities. We also reviewed the adequacy and utilization of the city's Computerized Maintenance Management System (CMMS).

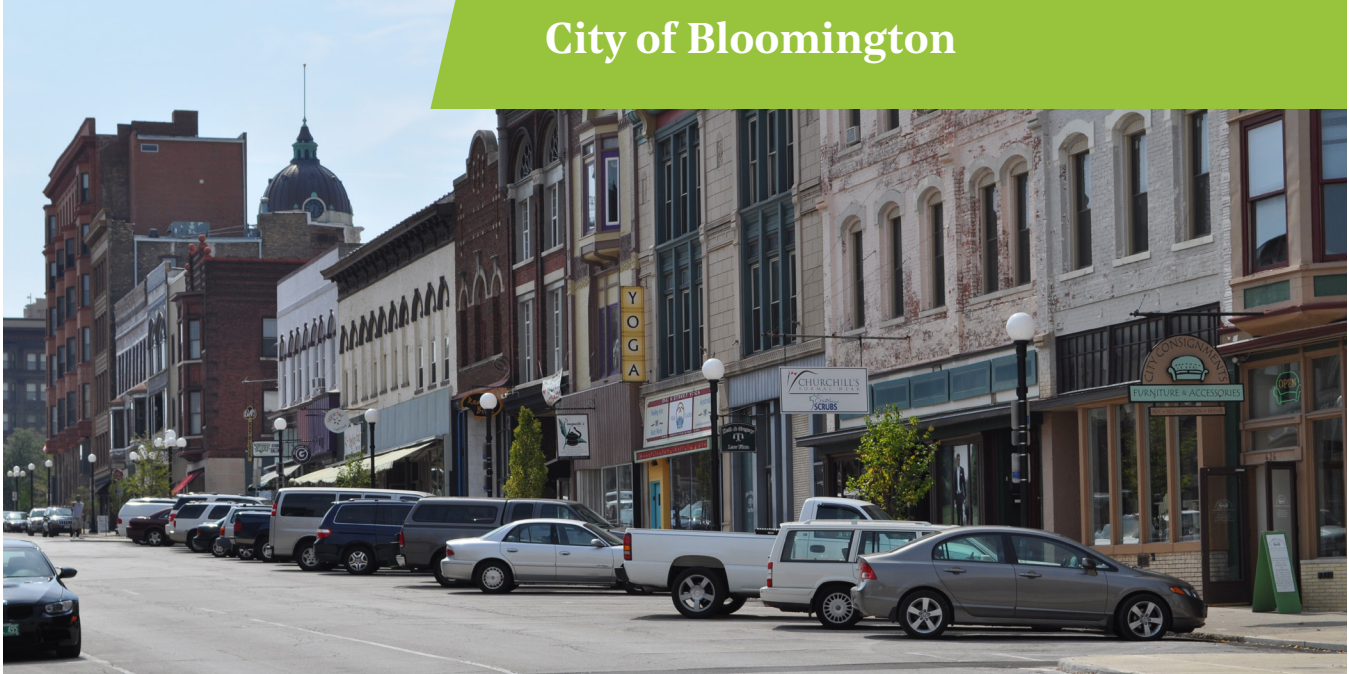
Farnsworth Group completed energy benchmarking analyses of seven facilities: Public Works, Police Department, Police Department 2, City Hall, Municipal Building, Central Fire Station and the Gateway Building. This task used utility rate and consumption data to perform preliminary energy analyses, develop energy use indices, and make facility energy optimization recommendations.

For a more detailed analysis, Farnsworth Group recorded asset inventory information and performed a condition and energy assessment for the Public Works facility, a 109,266 SF facility used for vehicle maintenance and storage. In addition to MEP systems, the assessment included roofing systems, exterior walls, doors, and windows. Collecting inventory, condition and energy-related information at the same time allowed us to evaluate energy savings and remaining component service life together. The final report presented 13 energy conservation measures (ECMs) and two facility improvement measures to consider.

OTHER CITY OF PEORIA PROJECTS

Project	Year
Riverfront Park Planning	2015
Forrest Hill Creek Encroachment	2016
Forrest Hill Stream Modeling	2016
Riverfront Floodwall Modeling	2016
Rustic Hollow LOMR	2016
Teton Drive Flood Study	2016
BUILD Application - Main Street	2016
Energy Condition Assessment	2016
Water's Edge Survey	2017
North Valley Riverfront	2018
TIF Housing Program	2018
Lyndale Construction	2018
North Valley Riverfront Greenway Planning	2020
Sidewalk Construction Services	2021
Springdale Cemetery Stormwater	2022
Riverfront Parking Capacity Study	2022

City of Bloomington



Farnsworth Group has been assisting the City of Bloomington on variety of design projects since 1920.

Downtown Streetscape Update and Lighting Master Plan

The City hired Farnsworth Group to update the streetscape of the downtown square which surrounds the old historic courthouse. The goal of the project was to provide safe and attractive public spaces that reinforce the historic brand and character of the central business district.

Before detailed designs could be completed, our team conducted significant research focused on the extensive network of existing vaults below many of the sidewalks. This research included structural assessments and coordination between the City and the vault owners.

Design features for the streetscape include corner bump-outs at intersections to calm traffic, shorten pedestrian crossings and provide unique gathering spaces

with landscaping and attractive site amenities. Other features included new ADA-compliant sidewalks, historic overhead lighting, and tree plantings incorporating a custom paver surround with an Abraham Lincoln logo as a gesture to Honest Abe's time spent in Bloomington on the 8th Judicial Circuit.

Later, Farnsworth Group created a comprehensive streetscape lighting master plan for the entire central business district. The multi-disciplinary team reviewed all existing lighting installations in the downtown area and made recommendations to incorporate new decorative lighting that is historically appropriate and blends with previous streetscape projects.

In addition, our team analyzed existing sidewalks, curb conditions, utilities and underground vaults to ensure lighting recommendations would seamlessly blend into the urban fabric. Detailed cost estimates and potential phasing scenarios were also provided as part of the master plan.

LOCATION /
Bloomington, IL

CLIENT /
City of
Bloomington

SERVICES /
Transportation

Structural

Survey

GIS

Water

Sewer

Stormwater
Management

Architecture

MEP

Engineering

CLIENT REFERENCE /

Kevin Kothe
Public Works Director
City of Bloomington
309.434.2435
kkothe@cityblm.org

City of Bloomington

(continued)

Fire Training Tower

Farnsworth Group provided design services for the site, foundation, and electrical improvements, as well as construction administration, for a pre-manufactured four-story structure to serve as a new Class A training tower for the Bloomington Fire Department adjacent to the existing Fire Station #2. The facility is also next to a city water tower that Farnsworth Group designed. Scope included new concrete footings, interior slabs, exterior light fixtures, and associated site work.



Services also included the administration of an Illinois Department of Commerce and Economic Opportunity grant, which partially funded this project.

Grove at Kickapoo Creek and Related Infrastructure

Farnsworth Group provided complete site design and civil engineering services for a new large-scale development in McLean County. The Grove at Kickapoo Creek was designed to be a nature friendly site situated at the headwaters of Kickapoo Creek. The 466-plus acre site features more than 88 acres of natural parklands, a 20-acre active park, four miles of trails, and a 15-acre site set aside for a future elementary school. The centerpiece will be an extensive stream restoration.

While the subdivision work itself was performed for a private client, much of the infrastructure work was designed in cooperation with the City of Bloomington to support the new development.

OTHER CITY OF BLOOMINGTON PROJECTS

Project	Year
SW Well Field Evaluation	2014
Main Street Water Main	2014
Soil Sampling at 410 East St.	2014
Highland Park Development	2015
Bloomington Demolition Specifications	2015
Lake Bloomington Wastewater Plan Update	2015
Linden Street Bridge Rehabilitation	2015
PESA Benjamin School Trail	2015
Lincoln Leisure Center	2016
City Hall Annex Demolition	2016
Ph I ESA 807 N. Main Street	2016
Kalamaya Basin Property	2016
US 150/Veterans Parkway Drainage	2016
USCC Sidewalk & Ramp Modifications	2016
Water Reclamation District Easements	2016
Division Street Building Assessments	2016
Washington St. UPRR Crossing Sidewalk	2017
BOPI Detention Basin	2017
Frontier Parking Lots	2017
East Downtown Bloomington TIF Assistance	2017
Water Transmission Pipeline Division E Planning	2017
Water Treatment Plant Structural Inspection	2017
Bloomington Annexation Research	2017
Public Works Garage - Wall Removal	2017
Public Works Garage - Structural Inspection Report	2017
ALTA Survey of Former Coachman Motel	2018
Lake Bloomington Boundary Survey	2018
Creativity Center HVAC Upgrades	2018
Elevated Tank Rehabilitation	2019
Sunset Road Water Main	2019
Highland Golf Course Soccer Field Study	2019
Caroline and Brown Streets Culvert Inspections	2020
Transmission Main Division G	2021
Arena Rooftop Units Replacement	2022

Town of Normal



Farnsworth Group has been assisting the Town of Normal on variety of design projects since 1935.

City Hall Annex Repurposing

This project consisted of adaptive reuse of the first floor of the existing City Hall Annex building as office space for the Parks and Recreation Department and Police Department. It also included Vice Unit renovations within the second floor of the Police Department building.

Building Energy and Asset Planning

Farnsworth Group provided value through a facilities audit of 11 buildings for the Town of Normal that completed two weeks early and finished \$19,000 under the estimated budget. The significant savings were due to efficiencies in the Farnsworth Group assessment and the use of the town's maintenance staff to assist in the effort. Farnsworth Group was

able to meet the town's objectives by working with them to create a customized work plan. This program then was extended to an audit of the Broadview Mansion in October 2015. The project included two main tasks: a facility condition assessment (FCA) and an energy audit of each location. The FCAs were direct surveys of major building systems as defined by ISO 55000, industry standards, and the Town's requested scope.

Solar Panel Installation, Children's Discovery Museum

Farnsworth Group worked with the Town of Normal to install a solar array on the roof of the Children's Discovery Museum as well as solar awnings on the south side of the building. The solar array generates approximately 11 to 12 kw of power for the building. The solar array tied into an interactive exhibit within the museum on renewable energies.

LOCATION /
Normal, IL

CLIENT /
Town of Normal

SERVICES /
Architecture
MEP
Structural
Survey
GIS
Water
Sewer
Stormwater
Transportation
Energy
Asset
Management

CLIENT REFERENCE /

Mark Clinch
Director of Facilities & Energy
Management
Town of Normal
309.433.3409
mclinch@normal.org

Broadview Bell Tower Historic Structure Study

The Broadview Bell Tower is a historic landmark on the National Register of Historic Places listed in conjunction with the Broadview Mansion. Built in 1939 as a dedication to one of the mansion's



patrons, the tower is a brick structure that is 110 feet tall with interior spaces for religious gathering. The historic handbell console remains in the structure with potential for restoration. After extensive on-site examination of the tower and surrounding site, full restoration and preservation recommendations were provided including masonry repairs of both brick and granite, interior repairs including stone veneers and

steel stair updates, a new structure for concrete slabs and wood platforms, and a full examination and assessment of the copper roof requiring specialty contracting.

The report consisted of photo documentation, written conditions assessments and recommendations, and a statement of probable costs for each item of the preservation and restoration scope. All project recommendations are in line with the Secretary of the Interior's Standards and Guidelines for Preservation and Restoration.

Uptown Infrastructure Improvements

Farnsworth Group performed planning studies and designed extensive infrastructure upgrades and replacements through the uptown Normal business district and urban area as part of a major renewal project.

As part of the required evaluation of infrastructure in the Tax Increment Financing District area, Farnsworth Group assessed the existing conditions of town-owned underground infrastructure such as water mains, storm sewers, and sanitary sewers. Options were developed for possible replacement and upgrades of those systems to meet the needs of current users and projected new uptown developments. Designs also included structures and piping for decorative water features in Uptown Circle.

OTHER TOWN OF NORMAL PROJECTS

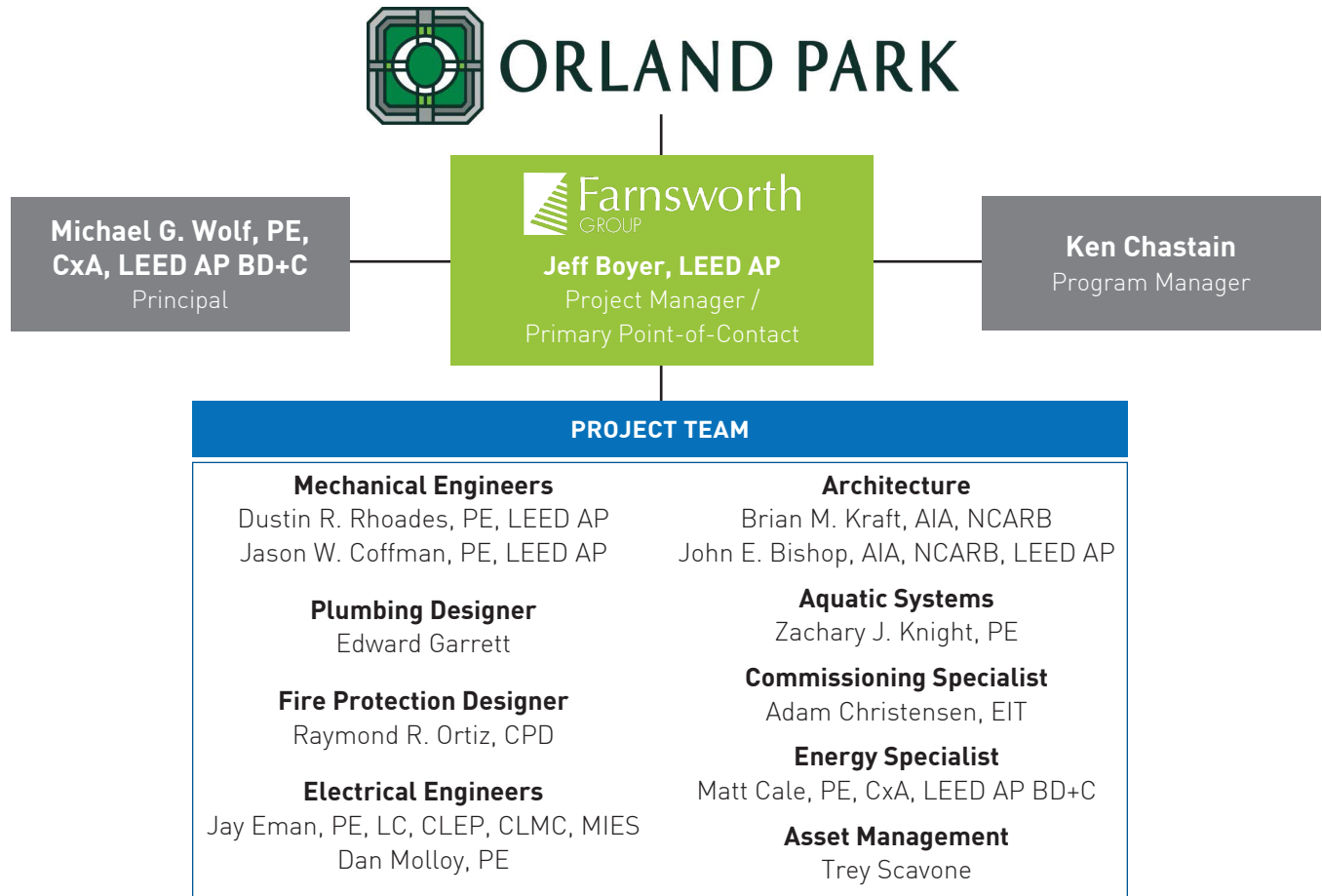
Project	Year
Children's Discovery Museum Flooring	2015
Eagles Landing Bike Trail	2015
305 E. Pine Street Parking Lot	2015
Shepard Road Drainage	2015
Broadview Mansion Assessment	2015
University Beech Fell Sidewalk	2016
Anderson Pool Heater Upgrade	2017
Maple Hill Road RR Vacation	2017
Roofing Consultant	2017
PESA College Ave Signals Upgrade	2017
Well Location Planning	2017
Water Treatment Plant 2018 Reroof	2018
PESA Beaufort & Vernon	2018
Water Treatment Plant Lime Slaker Evaluation	2018
Water Treatment Plant Alum Tank Layout	2018
Ridgemont Area Water Main Replacement	2018
Uptown Circle ADA Issues	2019
Jersey Avenue Water Main	2019
104 E. Beaufort Wall Investigation	2019
Public Works Department Upgrades	2020
Towanda Avenue Bridge Repair	2021
Community Activity Center Main Breaker Replacement	2022
Historic Camelback Bridge Repairs	2022

Section 5 Staffing



Team Qualifications

We have demonstrated throughout our company history that we are able to respond to project requests and to meet project staffing needs, schedules and budgets time and time again. We can, without hesitation, say we will offer the same promise to the Village of Orland Park. Following, we have provided an organizational chart detailing the reporting structure of our project team.





Michael G. Wolf, PE, CxA, LEED AP BD+C

PRINCIPAL

Mr. Wolf is a Farnsworth Group Principal, with a background focused on green building and functional buildings. He specializes in reducing costs for clients through building assessment reviews, O&M optimization, overall asset management, and through the commissioning process. He successfully manages teams of diverse professionals extending across multiple firms, roles, and offices. Mike is the Principal in charge of the project and will oversee its development and quality at a high level. Mike leads, and helped to develop, our Asset Management services for Farnsworth Group, and will guide the process of MEP evaluation of the facilities.

EDUCATION /

BS, Electrical Engineering,
Marquette University

BM, Piano Performance, Illinois
Wesleyan University

REGISTRATIONS /

Professional Engineer (Electrical),
Illinois

CERTIFICATIONS /

Certified Commissioning Authority,
AABC Commissioning Group

LEED Accredited Professional,
U.S. Green Building Council

INDUSTRY AFFILIATIONS /

U.S. Green Building Council

American Society of Heating,
Refrigerating and Air-Conditioning
Engineers

International Association of Electrical
Inspectors

IEEE local chapter

American Society for Healthcare
Engineering (ASHE) Reliability
Centered Maintenance Workgroup

EXPERIENCE /

Orland Park Village Hall Renovations

Orland Park, Illinois

Principal for design of a renovation to the Orland Park Village Hall. Scope was focused on converting the existing pneumatic controls to DDC and improving occupant thermal comfort outcomes.

Orland Park Civic Center and Franklin Loebe Center Renovations

Orland Park, Illinois

Principal for upgrading the heating hot water system in the Civic and Franklin Loebe Centers. Work included equipment selection and specification along with managing utility financial incentives to lower the total capital outlay for the project.

Peoria Riverfront Museum

Peoria, Illinois

Acted as the primary commissioning provider and assisted with project management duties for a new 83,000 SF museum. Principal responsibilities involved completing LEED fundamental commissioning, which entailed scheduling and managing staff to perform commissioning activities. Also provided QA/QC for ongoing monitoring-based commissioning.

Public Works Facility

City of Peoria, Illinois

Project oversight for retro-commissioning and energy assessment of a 100,000 SF municipal facility. Assessed envelope, doors, lighting, solar, domestic water, water heating, refrigeration, controls and heat recovery systems.

New Will County Courthouse

Joliet, Illinois

QA/QC services for LEED fundamental and enhanced commissioning, building envelope testing, and test and balance services for this new, \$215 million, 11-story judicial center complex totaling 370,000 GSF. Tasks include commissioning of specialty systems such as advanced building systems integration, and on-site power generation for emergency and standby loads.

Will County Public Safety Building

Joliet, Illinois

QA/QC services for commissioning of a new, \$30 million, 85,000 SF structure, which will include the new sheriff's department, ETSB administrative group (911 operations), and dispatch center.



Ken Chastain

PROGRAM MANAGER

Ken has nearly 40 years of experience in the civil engineering and municipal planning environment in the Chicago metropolitan area. Prior to joining Farnsworth Group, he was the Owner/Manager of two consulting engineering and land surveying firms specializing in municipal consulting, land development, water resources, construction services, land planning and surveying. In his role as Program Manager, Ken will assist in oversight and delivery of multiple projects, along with facilitating communication with the Village.

EDUCATION /

BA, Political Science/Urban Planning,
DePaul University

INDUSTRY AFFILIATIONS /

South Suburban Mayors and
Managers Association

Will County Center for Economic
Development

Southwest Suburban Home Builders
Association

Will County Governmental League

Illinois Association of Park Districts

Southland Chamber of Commerce

Southwest Conference of Mayors

EXPERIENCE /

Orland Park Village Hall Renovations

Orland Park, Illinois

Client liaison for renovation to the Orland Park Village Hall. Scope was focused on converting the existing pneumatic controls to DDC and improving occupant thermal comfort outcomes.

Orland Park Civic Center and Franklin Loebe Center Renovations

Orland Park, Illinois

Client liaison for upgrading the heating hot water system in the Civic and Franklin Loebe Centers. Work included equipment selection and specification along with managing utility financial incentives to lower the total capital outlay for the project.

Centennial Park Aquatic Center Drain Modifications

Village of Orland Park, Illinois

Program Manager for design and Illinois Department of Public Health (IDPH) permit application for replacing two main drains in the Centennial Park Aquatic Center's Activity Pool. The project will standardize the drain grates to match those in other portions of the Aquatic Center.

New City Hall

Calumet City, Illinois

Program Manager for the City's acquisition and building asset assessment for a 30,000 SF building projected to serve as Calumet City's new City Hall. Assisted in real estate acquisition, selection of an architectural programming team, MEP assessments of existing systems, pavement assessments, and bond financing.

City Hall Expansion

Markham, Illinois

Supervised all site / civil design services for a 22,000 SF expansion of Markham's City Hall and Police Center. Also acted as the City's consultant in reviewing all general contractor payout documents and final inspections.

Crestwood River Crossings Development

Crestwood, Illinois

Program Manager to the Village on a 60+ acre retail/restaurant/hotel/recreation development along the Cal-Sag Channel. In this role, Mr. Chastain marshals Farnsworth Group's team of planners, surveyors, engineers, and architects.



Jeffrey Boyer, LEED AP PROJECT MANAGER

Mr. Boyer has a decade of experience in mechanical services design and engineering, building physics, sustainability management, and commissioning on projects around the world. He is an expert in realizing cost-effective, high performance buildings that conserve resources and exceed standards in environmental quality while remaining simple to operate and maintain. Jeff will serve as the Project Manager, leading projects with the Village, capturing the necessary data and organizing the MEP field survey work. Jeff also will maintain a supervisory role over the commissioning field team and be the primary assessor of the building systems.

EDUCATION /

BS, Mechanical Engineering,
Purdue University

REGISTRATION AND CERTIFICATIONS /

LEED Accredited Professional

INDUSTRY AFFILIATIONS /

U.S. Green Building Council

American Society of Heating,
Refrigerating and Air-Conditioning
Engineers (ASHRAE)

International Building Performance
Simulation Association

RECOGNITION /

ASHRAE Excellence in Engineering
Award: Pearl River Tower

ASHRAE Excellence in Engineering
Award: The Chicago Chinatown
Branch Library

EXPERIENCE /

Orland Park Village Hall Renovations

Orland Park, Illinois

Program manager and building
automation systems specialist
for renovation to the Orland Park
Village Hall. Scope was focused on
converting the existing pneumatic
controls to DDC and improving
occupant thermal comfort outcomes.

Orland Park Civic Center and Franklin Loebe Center Renovations

Orland Park, Illinois

Project manager for upgrading the
heating hot water system in the Civic
and Franklin Loebe Centers. Work
included equipment selection and
specification along with managing
utility financial incentives to lower
the total capital outlay for the
project.

Chicago Chinatown Branch Library, Chicago Public Building Commission

Chicago, Illinois

Project engineer for a 16,400
SF cultural and education hub.
Developed the competition winning

innovative radiant cooling strategy
with a dedicated outside air system
that enables a 40% energy savings
over baseline. Further managed the
project design through construction
administration.

Wisconsin Children's Hospital Campus

Milwaukee, Wisconsin

Project manager and sustainability
specialist assisting the hospital
in identifying energy conservation
opportunities across 10 buildings,
encompassing 2M GSF. Scope
includes developing an energy
dashboard (electricity, steam and
chilled water) and statistical model
for analyzing building performance
including EnergyStar ranking.

Chicago Public Schools, Multiple Annexes, Chicago Public Building Commission

Chicago, Illinois

Commissioning agent for five
annex additions. Work included
commissioning plan development,
design review, pre-functional testing,
functional performance testing and a
final commissioning report issuance.



Dustin R. Rhoades, PE, LEED AP

MECHANICAL ENGINEER

Mr. Rhoades has over 15 years of experience focusing on mechanical design of new construction and renovation projects for municipal, healthcare, commercial, and educational facilities. He has served in numerous roles throughout the design and construction process from conceptual design to design, QA/QC, and through construction observation. Dustin has design experience with a wide variety of HVAC systems including chilled water systems, heating hot water systems, geothermal, variable refrigerant flow (VRF), variable-air volume, and packaged rooftop systems.

EDUCATION /

BS, Mechanical Engineering,
Southern Illinois University -
Carbondale

REGISTRATION AND CERTIFICATIONS /

Professional Engineer: Illinois
LEED Accredited Professional

INDUSTRY AFFILIATIONS /

US Green Building Council
American Society of Heating,
Refrigerating, and Air-Conditioning
Engineers

EXPERIENCE /

Orland Park Village Hall Renovations

Orland Park, Illinois

Mechanical Engineer for renovation to the Orland Park Village Hall. Scope was focused on converting the existing pneumatic controls to DDC and improving occupant thermal comfort outcomes.

Orland Park Civic Center and Franklin Loebe Center Renovations

Orland Park, Illinois

Mechanical Engineer for upgrading the heating hot water system in the Civic and Franklin Loebe Centers. Work included equipment selection and specification along with managing utility financial incentives to lower the total capital outlay for the project.

Kewanee New Amtrak Train Depot

Kewanee, Illinois

Designed HVAC system including radiant floor heating and an energy recovery unit for a new 1,300 SF train depot in downtown Kewanee to serve as a welcoming "front door" for

passengers arriving via Amtrak.

Sycamore Park District Recreational Center

Sycamore, Illinois

Mechanical engineering for this new multi-purpose recreation campus that includes a 37,700 SF recreation center, community sled hill, children's splash pad and a large off-leash dog park.

Douglas County Health Department Office Renovation

Tuscola, IL

Mechanical systems design and construction documentation for a 1,400 square foot renovation that converted a storage area into a staff office area.

EON Pioneer Trail Wind Farm Operations and Maintenance Building

Paxton, Illinois

HVAC design for a new operations and maintenance building. The new facility now serves as offices for the Owner and Maintenance Contractor and parts storage for maintenance of wind farm turbines and accessories.



Jason W. Coffman, PE, LEED AP
MECHANICAL ENGINEER

Mr. Coffman is a mechanical engineer with 20 years of design experience with specialized skills including HVAC, plumbing, and fire protection design. Jason's project experience includes municipal, healthcare, education, commercial, corrections, public safety, and religious facilities. Jason will provide additional mechanical engineering capacity as required, allowing our team to conduct multiple complex projects simultaneously to meet scheduling requirements.

EDUCATION /

BS, Mechanical Engineering,
University of Illinois at Urbana-
Champaign

**REGISTRATION
AND CERTIFICATIONS /**

Professional Engineer: Illinois
LEED Accredited Professional

INDUSTRY AFFILIATIONS /

US Green Building Council
American Society of Plumbing
Engineers

EXPERIENCE /

Aurora Fire Station #8

Aurora, Illinois

Plumbing and Fire Protection
Engineer for the new construction
of Aurora's local fire station.
Tasks included plumbing and fire
protection system design of the
facility.

New Municipal Services Building

City of Lincoln, Illinois

Mechanical Engineer for a 22,000 SF
building with reception, open
office, engineering offices, storage,
employee locker rooms, conference
room, administrative offices, break
room, maintenance bays, wash bay,
shop areas, mechanical rooms,
salt and aggregate storage, blade
storage, a street sweeper unloading
platform and detention basin.

**Fairbury Fire Station and Southeast
Livingston County Ambulance
Station**

Fairbury, Illinois

Mechanical and Plumbing Engineer
for a 14,256 SF combination
volunteer fire station and ambulance
facility. The two portions of the

building will act independently
and have no connection with the
exception of a shared demising wall
and site. The existing fire station
will remain in operation while the
new facility is built. The structure
consists of a pre-engineered steel
building that houses seven bays for
the fire department and five bays for
SELCAS One fire department bay
was designated as a wash bay with a
reverse osmosis cleanser.

City Hall Annex Repurposing

Normal, Illinois

HVAC and plumbing design
engineering for the adaptive reuse of
the first floor of the existing City Hall
Annex building as office space for the
Parks and Recreation Department
and Police Department. The project
also includes Vice Unit renovations
within the second floor of the Police
Department building.

Kendall County Building

Yorkville, Illinois

Plumbing Engineer for new
construction and existing renovation
of county building. Work included
plumbing and fire protection system
design.



Edward Garrett

PLUMBING DESIGNER

With over 40 years of experience, 11 of those in the installation of plumbing and natural gas systems, Mr. Garrett brings a unique blend of design and practical installation experience in the areas of plumbing, medical gas, special waste systems, natural gas, and fire protection design. Ed is a licensed plumber, as well as a certified medical gas designer and installer.

EDUCATION /

BS, Architectural Design and Drafting, Platt College of Overland Park

Plumbers and Pipefitters Local 25 Apprenticeship Program

REGISTRATION AND CERTIFICATIONS /

Licensed Journeyman Plumber: Illinois

Medical Gas Management (MGM). Professional Development; Design and Installation of Medical Gas Systems

State of Illinois Continuing Education for Plumbing Licensure

INDUSTRY AFFILIATIONS /

American Society of Plumbing Engineers

EXPERIENCE /

Patricia H. Leonhard Recreational Center, Champaign Park District Champaign, Illinois

Plumbing and fire protection designer for this new, 39,115 SF recreation center. The building houses two full size basketball courts, four volleyball courts, four smaller cross-court basketball courts, a three-lane suspended running track, four fitness classrooms, staff offices, reception area, locker rooms, storage space, lounge, and indoor kid's playground.

Sycamore Park District Community Center

Sycamore, Illinois

Provided plumbing and fire protection design services for a community center housing basketball courts, suspended running track, fitness classrooms, staff offices, reception area, locker rooms, storage space, lounge, and exterior splash pad.

New Municipal Services Building

City of Lincoln, Illinois

Plumbing designer for a 22,000 SF building with reception, open office, engineering offices, storage,

employee locker rooms, conference room, administrative offices, break room, maintenance bays, wash bay, shop areas, mechanical rooms, salt and aggregate storage, blade storage, a street sweeper unloading platform and detention basin.

Greater Peoria Sanitary District Maintenance Facility

Peoria, Illinois

Plumbing designer responsible for review of designs for a new, 9,000 SF central maintenance facility for the district's wastewater treatment campus, replacing an existing garage that has reached the end of its useful life. It will include large bays for heavy and light equipment, a machine shop, a tear down room, an assembly room, and a welding shop.

Good Samaritan Hospital Fitness Center

Downers Grove, Illinois

Plumbing and fire protection design for a fitness center with an elevated indoor running track, basketball/volleyball courts, exercise areas, free weights room, lap and therapy pools, aerobics studio, locker rooms, conference and education space, and clinical health services.



Raymond R. Ortiz, CPD

FIRE PROTECTION DESIGNER

Mr. Ortiz is detail-oriented and highly motivated to provide quality engineering design. He has over 20 years of consulting engineering, 4 years of facility engineering, and 2 years of contracting experience. This well-rounded background has enabled development of a strong skill set and extensive knowledge of building systems and components needed to complete projects successfully. Ray's diverse project client base includes municipal, commercial, educational, industrial/process, healthcare, food service, confectionary, and packaging projects.

EDUCATION /

AAS, Mechanical Engineering, Illinois Valley Community College

REGISTRATION AND CERTIFICATIONS /

Certified in Plumbing Design

INDUSTRY AFFILIATIONS /

American Society of Plumbing Engineers

National Society of Fire Protection Engineers

YEARS OF EXPERIENCE /

32 years

EXPERIENCE /

Morton Fire Station Morton, Illinois

Plumbing and fire protection design for a new fire station building complete with living quarters, locker rooms, kitchen, administration areas, and vehicle garage. A wet-pipe sprinkler system was incorporated throughout. Plumbing design included fixture, equipment and materials selection/specifications, and systems included sanitary waste/vent, oil waste and vent, interior storm, domestic water, compressed air and natural gas.

Normal Public Works Facility Addition Normal, Illinois

Provided plumbing design services in a design-build for a new addition to house and servicing public works vehicles. This addition included vehicle storage, service, administrative, restroom, and locker room areas. Plumbing design included fixture, equipment and material specifications, and systems included sanitary and oil waste, vent, domestic water, compressed air, and natural gas systems.

DuPage County Complex Water Efficiency Study Wheaton, Illinois

Plumbing Designer for review of domestic and non-potable water use throughout judicial, extended care, maintenance and commercial buildings located on the same campus and supplied from the same municipal water source. Analysis included determination of currently installed fixture, equipment, and specialty consumption rates as well as duration and methods of use in effort to reduce annual water consumption and reduce costs.

Pekin Police Station Pekin, Illinois

Plumbing and fire protection design services for a new police station complete with sally port, interrogation, jailing, interviewing and administrative spaces. Wet-pipe sprinkler distribution was provided throughout. Plumbing design work included equipment and material selection/specification, and system included sanitary waste/vent, interior storm, domestic water, compressed air, and natural gas systems.



Jay D. Eman, PE, LC, CLEP, CLMC, MIES ELECTRICAL ENGINEER

Mr. Eman has more than 40 years of experience in electrical engineering design, including lighting, power, fire alarm systems and life safety studies. He has been responsible for preparing initial proposals that establish consulting fees, project scope, and project schedules. During the design of the projects, he is responsible for the development of the construction plans, writing the specifications, and preparation of the opinion of probable construction costs for the electrical systems. Jay's various project experience includes new construction, renovation, health life safety studies, energy analysis, and feasibility studies.

EDUCATION /

BS, Electrical Engineering, University of Nebraska - Lincoln

REGISTRATION AND CERTIFICATIONS /

Professional Engineer: Illinois, Arizona, California, Colorado, Florida, Indiana, Missouri, Nebraska

Lighting Certified

Certified Lighting Efficiency Professional

Certified Lighting Management Consultant

INDUSTRY AFFILIATIONS /

National Council on Qualifications for the Lighting Professions

Association of Energy Engineers

International Associations of Lighting Management Companies

Illuminating Engineering Society of North America

National & Illinois Society of Professional Engineers

EXPERIENCE /

Orland Park Village Hall Renovations

Orland Park, Illinois

Electrical Engineer for renovation to the Orland Park Village Hall. Scope was focused on converting the existing pneumatic controls to DDC and improving occupant thermal comfort outcomes.

Police Station UPS Replacement

Orland Park, Illinois

Electrical Engineer for replacement of the uninterruptible power supply (UPS) at Orland Park's Police Station, including construction administration tasks. Work will be phased to minimize downtime of the backup system.

New Municipal Services Building

City of Lincoln, Illinois

Electrical Engineer responsible for quality review of designs for a 22,000 SF building with reception, open office, engineering offices, storage, employee locker rooms, conference room, administrative offices, break room, maintenance and wash bays, shop areas, mechanical rooms, salt and aggregate storage, blade storage,

a street sweeper unloading platform and detention basin.

McLean County Law and Justice Center Expansion

Bloomington, Illinois

Electrical Engineer responsible for managing the electrical design during the construction administrative phase of a multi-discipline design for an approximately 80,000 SF, \$45M expansion and renovation of the inmate residential facility at the McLean County Law & Justice Center, including upgrades to the existing building infrastructure and envelope.

Patricia H. Leonhard Recreational Center, Champaign Park District

Champaign, Illinois

Electrical Engineer for the design and construction documentation for the 39,115 SF recreation center, which includes two full-size high school regulation basketball courts, four volleyball courts, and four smaller cross-court basketball courts. Above the main floor of the gym is a three-lane suspended running track. The rest of the building consists of four general classrooms, staff offices, reception, locker rooms, storage, lounge, and indoor kid's playground.



Daniel F. Molloy, PE

ELECTRICAL ENGINEER

Mr. Molloy has over 30 years of engineering experience focused on controls, power, and project management. Specific expertise in the areas of control strategy development, control system and automation system programming, SCADA implementation, electrical power distribution and generation, instrumentation and equipment specification, design/build of automated test equipment, code compliance, construction management, system checkout, start-up, troubleshooting, and repair.

EDUCATION /

BS, Electrical Engineering, University of Missouri

BS, Computer Engineering, University of Missouri

REGISTRATION AND CERTIFICATIONS /

Professional Engineer – Missouri, Texas

INDUSTRY AFFILIATIONS /

Institute of Electrical and Electronics Engineers

EXPERIENCE /

Greater Peoria Sanitary District Maintenance Facility

Peoria, Illinois

Electrical engineer responsible for quality review of designs for a new, 9,000 SF central maintenance facility for the district's wastewater treatment campus, replacing an existing garage that has reached the end of its useful life. It will include large bays for heavy and light equipment, a machine shop, a tear down room, an assembly room, and a welding shop.

Garfield Park Improvements

City of Danville, Illinois

Electrical Engineer providing design services for various improvements in Danville's Garfield Park, including landscaping, pool facilities, drainage, roads, bath house and parking.

Plant-Wide Power Distribution, Confidential Manufacturing Client

Illinois

Electrical Project Lead for design team tasked with assessing power requirements and developing

conceptual design for 12.47kV and 480V power distribution system for the renovation of a large plant for a new manufacturing use. Portions of existing infrastructure from previous owner were evaluated, salvaged and reused. Multiple new substations were installed to meet the 100MVA+ demand across the facility. Worked with owner in developing specifications and Bill of Materials for procurement of equipment and materials. Developed one-line diagrams for coordinating with local utility.

Battery Testing Facility, Confidential Manufacturing Client

Illinois

Electrical Project Lead for medium- and low-voltage distribution, lighting and grounding for renovation of a 30,000 SF pre-engineered metal building, adapted to house over a dozen testing chambers, simulating severe atmospheric conditions. Coordinated new 12.47kV double-ended utility service. Developed specifications and construction documents.



Brian M. Kraft, AIA, NCARB

ARCHITECT

Mr. Kraft has managed a wide variety of projects and teams over his diverse career. In his 14 years with Farnsworth Group, Brian has completed renovations, retrofits, and modernizations of community centers, libraries, and schools, as well as longterm care facilities and churches. His responsibilities have included documentation and design, managing full-service teams, and construction phase services. Brian will lead the architectural design and planning scope and coordinate with our internal team to bring additional architectural and production capacity as required.

EDUCATION /

M. Arch, University of Illinois at Urbana-Champaign

MS, Civil Engineering, University of Illinois at Urbana-Champaign

BS, Architectural Studies, Southern Illinois University

REGISTRATION AND CERTIFICATIONS /

Architect: Illinois

INDUSTRY AFFILIATIONS /

American Institute of Architects

US Green Building Council

Illinois Pioneer Coalition

EXPERIENCE /

Orland Park Village Hall Renovations

Orland Park, Illinois

Architect for renovation to the Orland Park Village Hall. Scope was focused on converting the existing pneumatic controls to DDC and improving occupant thermal comfort outcomes.

Client Liaison for the City

Naperville, Illinois

Manage client relations and consulting services in regard to the City of Naperville's continuing services agreement with Farnsworth Group, including project management or coordination of any projects under that agreement.

Crestwood Fire Station Assessment

Crestwood, Illinois

Project Manager and Architect for a building assessment and feasibility study for the Village of Crestwood regarding the viability of renovating the existing fire station versus building a new station. All aspects of the existing building were assessed including structure, roof condition, energy efficiency, program, and MEP systems. Users were interviewed

to ascertain what aspects of the building need to be upgraded and preferences for modifications.

Stateville Correctional Center Building Assessment

Crest Hill, Illinois

Project Manager and Architect responsible for assessing the condition of the power plant and smokestack at the Stateville prison and to prepare a report discussing the observed conditions and recommendations for stabilization and demolition.

Ford Heights Community Center

Ford Heights, Illinois.

Project Manager and Architect for the renovation of an existing school building into a community center. Included scope was a Facility assessment and space needs assessment for the change of use.

ADA Facility Transition Plan

Naperville, Illinois

Performed site surveys and code review of 24 city-owned buildings for compliance with the Americans with Disabilities Act to provide the City with a report and transition plan to correct deficiencies in the facilities.



John E. Bishop, AIA, NCARB, LEED AP ARCHITECT

Mr. Bishop is an Architectural Principal focusing on project management and coordination as well as architectural design. He is a Past President of the Central Illinois Chapter of the American Institute of Architects, having provided 15 years of consecutive service to the Chapter in a variety of board positions. He is also a past Delegate Board Member for AIA Illinois. John is a LEED Accredited Professional and is a part of Farnsworth Group's sustainable design team focusing on building envelope systems.

EDUCATION /

BS, Architectural Studies, University of Illinois at Urbana-Champaign

AutoCAD Training, Lincoln Land Community College

REGISTRATION AND CERTIFICATIONS /

Architect: Illinois

NCARB Certification

LEED Accredited Professional

INDUSTRY AFFILIATIONS /

American Institute of Architects

National Council of Architectural Registration Boards

U.S. Green Building Council

Association of Learning Environments

EXPERIENCE /

New Municipal Services Building City of Lincoln, Illinois

Project Manager and Architect for the design of a 22,000 SF building with reception, open office, engineering offices, storage, employee locker rooms, conference room, administrative offices, break room, maintenance bays with oil / water separator, wash bay, shop areas, mechanical rooms, salt and aggregate storage, blade storage, a street sweeper unloading platform and detention basin.

Building E Preliminary Design Services

Town of Normal, Illinois

Project Manager and Architect providing preliminary design services for a proposed office / mixed-use development for inclusion in Request for Development Proposals. Project included development of three alternative options.

Roof Condition Assessment

Town of Normal, Illinois

Project Manager responsible for conducting roofing assessments, including projection of remaining

service life and replacement costs, for 40 facilities owned and operated by Town of Normal departments ranging from well houses to the Uptown Station multi-modal facility.

Water Treatment Plant Partial Roof Replacement

Town of Normal, Illinois

Project Manager and Architect to design the replacement of existing roofing systems.

McLean County Jail Expansion

Bloomington, Illinois

Project Manager and Architect leading the multi-discipline planning and design for an approximately 80,000 SF, \$45M expansion and renovation of the jail at the McLean County Law & Justice Center, including upgrades to the existing building infrastructure and envelope.

New Will County Courthouse

Joliet, Illinois

Enclosure systems specialist providing design reviews for LEED fundamental and enhanced commissioning for this new, \$215M, 11-story judicial center complex totaling 369,655 GSF.



Zachary J. Knight, PE

AQUATICS SYSTEMS ENGINEERING

Mr. Knight is a licensed civil engineer with experience designing infrastructure improvements, including aquatic systems for pool facilities, for municipalities and private clients. He has experience in all levels of project management from planning and design to construction observation services. He has served as a Resident Engineer on large-scale construction projects, and has acted as a liaison between municipalities, design engineers, and general contractors to provide value engineering and efficient resolution of construction issues. His design experience includes storm and sanitary sewer design, municipal wells, and water distribution.

EDUCATION /

BS, Civil/Environmental Engineering,
Bradley University

REGISTRATION AND CERTIFICATIONS /

Professional Engineer: Illinois

EXPERIENCE /

Centennial Park Aquatic Center Drain Modifications

Village of Orland Park, Illinois

Project Manager for design and Illinois Department of Public Health (IDPH) permit application for replacing the two existing main drains in the Centennial Park Aquatic Center's Activity Pool. The project will standardize the drain grates to match those in other portions of the Aquatic Center.

Shore Acres Park Pool Improvements, Chillicothe Park District

Chillicothe, Illinois

Project Manager for design of pool improvements, including replacement of filters and chemical feed system.

Garfield Municipal Pool Evaluation

City of Danville, Illinois

Project Manager responsible for conducting an evaluation site visit to document readily visible existing conditions of the pool facilities. Prepared a report summarizing the assessment with code review,

opinion of probable costs, and recommendations for facility improvements.

Gridley Swimming Pool Improvements

Village of Gridley, Illinois

Project Manager for designs to renovate the Gridley Swimming Pool's maintenance building. This project resulted from an initial evaluation of the facility's existing conditions and report recommending improvements.

Wastewater Treatment Plant Improvements

City of Georgetown

Project Engineer for the construction and inspection of approximately 4,400 feet of storm sewer and a new headworks building.

Water System Improvements

City of Lexington

Project Manager for design and construction engineering including a new 500 GPM Ion Exchange and Filtration Water Plant for softening and color removal, new municipal Well #8, and water main extensions.



Adam C. Christensen, EIT

COMMISSIONING SPECIALIST

Mr. Christensen is a building commissioning project manager with a background in providing commissioning, retro-commissioning, and mechanical engineering services to a wide array of customers including municipal, healthcare & laboratory, higher & K-12 education, state, and commercial. His experience has covered a wide range of commissioning services including design reviews, submittal reviews, construction checklist production/verification, construction site visits, commissioning meetings, O&M manual reviews, test and balance verification, and functional performance testing. Adam has a strong technical background with extensive experience inspecting, testing, and troubleshooting building systems as well as building automation systems.

EDUCATION /

BS, Mechanical Engineering with Sustainability Designation – Calvin College

REGISTRATION AND CERTIFICATIONS /

Engineer-in-Training, Mechanical: Illinois

INDUSTRY AFFILIATIONS /

American Society of Heating, Refrigerating and Air-Conditioning Engineers

EXPERIENCE /

Orland Park Civic Center and Franklin Loebe Center Renovations Orland Park, Illinois

Commissioning specialist for upgrading the heating hot water system in the Civic and Franklin Loebe Centers.

Chicago Public Schools Chicago, Illinois

Mechanical and BAS specialist for 12 school annexes/new constructions (Edison Park, Bell, Oriole Park, Walter Payton, Jamieson, SEAES, Cauty, South Loop, Dore, Zapata, Byrne, Skinner West).

University of Chicago Laboratory Schools Renovation and Expansion Chicago, Illinois

Commissioning technical support for phased construction projects totaling 560,000 SF at the Schools' Main Campus on 59th Street and an offsite early childhood facility. Two new construction components - Earl Shapiro Hall, a 130,000 GSF early childhood building, and Gordon Parks Arts Hall, a 115,000 GSF

Main Campus wing addition for the performing and visual arts - each earned LEED Silver certifications. Main Campus renovations provided reorganized space for libraries, collaborative teaching and counseling, and faculty and administrative offices.

Will County Courthouse Joliet, Illinois

Mechanical and BAS specialist for LEED fundamental and enhanced commissioning for this new, \$215 million, 11-story judicial center complex totaling 370,000 GSF. Tasks include commissioning of specialty systems such as 11 elevators, advanced building systems integration, and on-site power generation for emergency and standby loads.

Will County Health Department Joliet, Illinois

Commissioning Specialist for a new, 72,000 SF medical building. The \$30M facility includes behavioral, environmental, and family health services spaces along with a tuberculosis clinic with clinical isolation rooms.



Matt Cale, PE, CxA, LEED AP BD+C
ENERGY SPECIALIST

Mr. Cale has 17 years of experience in the design, performance evaluation, sustainable certification, and commissioning of commercial building projects. His areas of expertise include HVAC systems design and commissioning, energy modeling, and LEED certification. Ensuring an owner's vision of a project is effectively delivered throughout the design and construction process is his primary focus.

EDUCATION /

BS, Mechanical Engineering,
University of Central Florida

**REGISTRATION
AND CERTIFICATIONS /**

Professional Engineer (Mechanical):
Georgia and Florida

Certified Commissioning Authority,
AABC Commissioning Group

LEED Accredited Professional –
Building Design and Construction,
US Green Building Council

INDUSTRY AFFILIATIONS /

US Green Building Council

American Society of Heating,
Refrigerating and Air-Conditioning
Engineers Associate Member,
Atlanta Chapter

EXPERIENCE /

**Livingston County Health and
Education Building**

Pontiac, Illinois

Energy Consultant responsible for performing a building operation cost analysis, including energy modeling and investigation of Energy Star program targets, for a new 19,300 SF health department building.

**Knox College Green Oaks Biological
Field Station Campus and
Conference Venue**

Victoria, Illinois

Energy Consultant responsible for consulting on net zero and energy model targets for a new 10,000 SF facility to replace Knox College's existing Green Oaks Biological Field Station. This facility intends to increase student dorm capacity, improve shared living and dining spaces, and provide a variety of academic spaces including primary meeting space, secondary meeting space with lab function, computer lab and library.

**Hunt Consolidated Corporate
Headquarters Retro-Commissioning**

Dallas, Texas

HVAC / Energy Specialist responsible for evaluating MEP systems in a 475,000 SF building. Identified energy conservation measures totaling potential \$100,000 in annual energy savings.

New Will County Health Department

Joliet, Illinois

QA/QC Manager for commissioning services for a new, 72,000 SF facility for the Will County Health Department. Replacing a century-old existing building, the facility includes behavioral, environmental, and family health services spaces along with a tuberculosis clinic with clinical isolation rooms.



William 'Trey' Scavone

ASSET MANAGEMENT

Mr. Scavone is a Senior Project Manager for Farnsworth Group's Asset Management team and will provide asset management and assessment analysis of building systems as required. Drawing from experience with higher education, K-12, and municipal clients spanning over 20 years, Trey delivers projects that consistently exceed owner's expectations. His expertise includes energy services performance contracting (ESPC) where each project is fully commissioned and required to demonstrate ongoing performance.

EDUCATION /

Construction Management /
Engineering Studies, Bradley
University, Peoria, Illinois

EXPERIENCE /

New City Hall

Calumet City, Illinois

Asset management specialist for the City's acquisition and building asset assessment for a 30,000 SF building projected to serve as Calumet City's new City Hall. Tasks included assessments of MEP systems and pavements.

Wells Fargo Bank, Condition Assessment, Pueblo County

Pueblo, Colorado

Asset management specialist responsible for a systematic facility condition assessment of a 1974 vintage building considered for acquisition by Pueblo County for office space. Scope included assessment of mechanical, electrical, plumbing, fire protection, elevators, lighting / lighting controls.

Spring Ridge Villas, Home Owners Association, Asset Management and Condition Assessment

Bloomington, Illinois

Asset management specialist responsible for an inventory of HOA assets to include streets,

gutters, drainage systems, irrigation system, walls, signage and lighting systems. All assets were assessed for condition and deficiencies were identified and prioritized.

Hunt Consolidated Corporate Headquarters Retro-Commissioning

Dallas, Texas

Asset management specialist responsible for evaluating and documenting MEP systems in a 475,000 SF building. Identified energy conservation measures totaling potential \$100,000 in annual energy savings.

Dallas Municipal Building Renovation for University of North Texas College of Law

Dallas, Texas

Quality Review. Interior renovation of approximately 107,000 SF to provide permanent accommodations for UNT's law program. Renovation provides classrooms, seminar rooms, instructional laboratory spaces, an expanded law library, on-site clinic resource center, faculty and other support areas for students, faculty, and staff.



Section 6
Required Forms

PROPOSAL SUMMARY SHEET
RFQ 22-004
Professional MEP and Architectural Services

IN WITNESS WHEREOF, the parties hereto have executed this proposal as of date shown below.

Organization Name: Farnsworth Group, Inc.

Street Address: 1011 Warrenville Road, Suite 375

City, State, Zip: Lisle, IL 60532

Contact Name: Jeffrey Boyer, LEED AP

Phone: 630.296.5877 Fax: _____

E-Mail address: jboyer@f-w.com

Signature of Authorized Signee: 

Title: Section Manager

Date: February 17, 2022

ACCEPTANCE: This proposal is valid for ninety (90) calendar days from the date of submittal.

 **ORLAND PARK**
CERTIFICATE OF COMPLIANCE

The undersigned Michael G. Wolf, as Principal,
(Enter Name of Person Making Certification) (Enter Title of Person Making Certification)

and on behalf of Farnsworth Group, Inc., certifies that:
(Enter Name of Business Organization)

1) BUSINESS ORGANIZATION:

The Proposer is authorized to do business in Illinois: Yes [] No []

Federal Employer I.D.#: 37-1123236
(or Social Security # if a sole proprietor or individual)

The form of business organization of the Proposer is (*check one*):

- Sole Proprietor
- Independent Contractor (*Individual*)
- Partnership
- LLC
- Corporation Illinois December 29, 1983
(State of Incorporation) (Date of Incorporation)

2) ELIGIBILITY TO ENTER INTO PUBLIC CONTRACTS: Yes [x] No []

The Proposer is eligible to enter into public contracts, and is not barred from contracting with any unit of state or local government as a result of a violation of either Section 33E-3, or 33E-4 of the Illinois Criminal Code, or of any similar offense of "Bid-rigging" or "Bid-rotating" of any state or of the United States.

3) SEXUAL HARASSMENT POLICY: Yes [x] No []

Please be advised that Public Act 87-1257, effective July 1, 1993, 775 ILCS 5/2-105 (A) has been amended to provide that every party to a public contract must have a written sexual harassment policy in place in full compliance with 775 ILCS 5/2-105 (A) (4) and includes, at a minimum, the following information: (I) the illegality of sexual harassment; (II) the definition of sexual harassment under State law; (III) a description of sexual harassment, utilizing examples; (IV) the vendor's internal complaint process including penalties; (V) the legal recourse, investigative and complaint process available through the Department of Human Rights (the "Department") and the Human Rights Commission (the "Commission"); (VI) directions on how to contact the Department and Commission; and (VII) protection against retaliation as provided by Section 6-101 of the Act. (Illinois Human Rights Act). (emphasis added). Pursuant to 775 ILCS 5/1-103 (M) (2002), a "public contract" includes "...every contract to which the State, any of its political subdivisions or any municipal corporation is a party."

4) **EQUAL EMPLOYMENT OPPORTUNITY COMPLIANCE:** Yes No

During the performance of this Project, Proposer agrees to comply with the "Illinois Human Rights Act", 775 ILCS Title 5 and the Rules and Regulations of the Illinois Department of Human Rights published at 44 Illinois Administrative Code Section 750, et seq. The

Proposer shall: (I) not discriminate against any employee or applicant for employment because of race, color, religion, sex, marital status, national origin or ancestry, age, or physical or mental handicap unrelated to ability, or an unfavorable discharge from military service; (II) examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any such underutilization; (III) ensure all solicitations or advertisements for employees placed by it or on its behalf, it will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, marital status, national origin or ancestry, age, or physical or mental handicap unrelated to ability, or an unfavorable discharge from military service; (IV) send to each labor organization or representative of workers with which it has or is bound by a collective bargaining or other agreement or understanding, a notice advising such labor organization or representative of the Vendor's obligations under the Illinois Human Rights Act and Department's Rules and Regulations for Public Contract; (V) submit reports as required by the Department's Rules and Regulations for Public Contracts, furnish all relevant information as may from time to time be requested by the Department or the contracting agency, and in all respects comply with the Illinois Human Rights Act and Department's Rules and Regulations for Public Contracts; (VI) permit access to all relevant books, records, accounts and work sites by personnel of the contracting agency and Department for purposes of investigation to ascertain compliance with the Illinois Human Rights Act and Department's Rules and Regulations for Public Contracts; and (VII) include verbatim or by reference the provisions of this Equal Employment Opportunity Clause in every subcontract it awards under which any portion of this Agreement obligations are undertaken or assumed, so that such provisions will be binding upon such subcontractor. In the same manner as the other provisions of this Agreement, the Proposer will be liable for compliance with applicable provisions of this clause by such subcontractors; and further it will promptly notify the contracting agency and the Department in the event any subcontractor fails or refuses to comply therewith. In addition, the Proposer will not utilize any subcontractor declared by the Illinois Human Rights Department to be ineligible for contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations. Subcontract" means any agreement, arrangement or understanding, written or otherwise, between the Proposer and any person under which any portion of the Proposer's obligations under one or more public contracts is performed, undertaken or assumed; the term "subcontract", however, shall not include any agreement, arrangement or understanding in which the parties stand in the relationship of an employer and an employee, or between a Proposer or other organization and its customers. In the event of the Proposer's noncompliance with any provision of this Equal Employment Opportunity Clause, the Illinois Human Right Act, or the Rules and Regulations for Public Contracts of the Department of Human Rights the Proposer may be declared non-responsible and therefore ineligible for future contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations, and this agreement may be canceled or avoided in whole or in part, and such other sanctions or penalties may be imposed or remedies involved as provided by statute or regulation.

5) **TAX CERTIFICATION:** Yes No

Contractor is current in the payment of any tax administered by the Illinois Department of Revenue, or if it is: (a) it is contesting its liability for the tax or the amount of tax in accordance with procedures established by the appropriate Revenue Act; or (b) it has entered into an agreement with the Department of Revenue for payment of all taxes due and is currently in compliance with that agreement.

6) **AUTHORIZATION & SIGNATURE:**

I certify that I am authorized to execute this Certificate of Compliance on behalf of the Contractor set forth on the Proposal, that I have personal knowledge of all the information set forth herein and that all statements, representations, that the Proposal is genuine and not collusive, and information provided in or with this Certificate are true and accurate. The undersigned, having become familiar with the Project specified, proposes to provide and furnish all of the labor, materials, necessary tools, expendable equipment and all utility and transportation services necessary to perform and complete in a workmanlike manner all of the work required for the Project.

ACKNOWLEDGED AND AGREED TO:



Signature of Authorized Officer

Michael G. Wolf, PE, CxA, LEED AP BD+C

Name of Authorized Officer

Principal

Title

February 17, 2022

Date

REFERENCES

Provide three (3) references for which your organization has performed similar work.

Bidder's Name: Farnsworth Group, Inc.
(Enter Name of Business Organization)

- | | |
|-----------------|--|
| 1. ORGANIZATION | <u>City of Calumet City</u> |
| ADDRESS | <u>2014 Pulaski Road, Calumet City, IL 60409</u> |
| PHONE NUMBER | <u>708.891.8100</u> |
| CONTACT PERSON | <u>Deanne Jaffrey, City Administrator</u> |
| YEAR OF PROJECT | <u>2021-present</u> |
| 2. ORGANIZATION | <u>City of Naperville</u> |
| ADDRESS | <u>400 S. Eagle Street, Naperville, IL 60540</u> |
| PHONE NUMBER | <u>630.420.6699</u> |
| CONTACT PERSON | <u>Beth Lang, Facilities/Strategic Services Manager</u> |
| YEAR OF PROJECT | <u>2014-2019</u> |
| 3. ORGANIZATION | <u>Town of Normal</u> |
| ADDRESS | <u>11 Uptown Circle, Normal, IL 61761</u> |
| PHONE NUMBER | <u>309.433.3409</u> |
| CONTACT PERSON | <u>Mark Clinch, Director of Facilities and Energy Management</u> |
| YEAR OF PROJECT | <u>2003 - present</u> |



INSURANCE REQUIREMENTS

Please submit a policy Specimen Certificate of Insurance showing current coverage's along with this form.

WORKERS' COMPENSATION & EMPLOYER LIABILITY

Full Statutory Limits - Employers Liability
\$500,000 – Each Accident \$500,000 – Each Employee
\$500,000 – Policy Limit
Waiver of Subrogation in favor of the Village of Orland Park

AUTOMOBILE LIABILITY (ISO Form CA 0001)

\$1,000,000 – Combined Single Limit Per Occurrence
Bodily Injury & Property Damage

GENERAL LIABILITY (Occurrence basis) (ISO Form CG 0001)

\$1,000,000 – Combined Single Limit Per Occurrence
Bodily Injury & Property Damage
\$2,000,000 – General Aggregate Limit
\$1,000,000 – Personal & Advertising Injury
\$2,000,000 – Products/Completed Operations Aggregate

Additional Insured Endorsements: ISO CG 20 10 or CG 20 26 **and** CG 20 01 Primary & Non-Contributory
Waiver of Subrogation in favor of the Village of Orland Park

Please provide the following coverage, if box is checked:



PROFESSIONAL LIABILITY

\$1,000,000 Limit - Claims Made Form, Indicate Retroactive Date
Deductible not-to-exceed \$50,000 without prior written approval



UMBRELLA LIABILITY (Follow Form Policy)

\$2,000,000 – Each Occurrence \$2,000,000 – Aggregate

EXCESS MUST COVER: General Liability, Automobile Liability, Employers' Liability



UMBRELLA/EXCESS PROFESSIONAL LIABILITY

\$1,000,000 Limit – Claims Made Form, Indicate Retroactive Date
Deductible not-to-exceed \$50,000 without prior written approval



BUILDERS RISK

Completed Property Full Replacement Cost Limits -
Structures under construction



ENVIRONMENTAL IMPAIRMENT/POLLUTION LIABILITY

\$1,000,000 Limit for bodily injury, property damage and remediation costs
resulting from a pollution incident at, on or mitigating beyond the job site



CYBER LIABILITY

\$1,000,000 Limit per Data Breach for liability, notification, response,
credit monitoring service costs, and software/property damage

Any insurance policies providing the coverages required of the Consultant, excluding Professional Liability, shall be specifically endorsed to identify **"The Village of Orland Park, and their respective officers, trustees, directors, officials, employees, volunteers and agents as Additional Insureds on a primary/non-contributory basis with respect to all claims arising out of operations by or on behalf of the named insured."** The required Additional Insured coverage shall be provided on the Insurance Service Office (ISO) CG 20 10 or CG 20 26 endorsements or an endorsement at least as broad as the above noted endorsements as determined by the

Village of Orland Park. Any Village of Orland Park insurance coverage shall be deemed to be on an excess or contingent basis as confirmed by the required (ISO) CG 20 01 Additional Insured Primary & Non-Contributory Endorsement. The policies shall also contain a Waiver of Subrogation in favor of the Additional Insureds in regard to General Liability and Workers' Compensation coverage. The certificate of insurance shall also state this information on its face. Any insurance company providing coverage must hold an A-, VII rating according to Best's Key Rating Guide. Each insurance policy required shall have the Village of Orland Park expressly endorsed onto the policy as a Cancellation Notice Recipient. Should any of the policies be cancelled before the expiration date thereof, notice will be delivered in accordance with the policy provisions. Permitting the contractor, or any subcontractor, to proceed with any work prior to our receipt of the foregoing certificate and endorsements shall not be a waiver of the contractor's obligation to provide all the above insurance.

Consultant agrees that prior to any commencement of work to furnish evidence of Insurance coverage providing for at minimum the coverages, endorsements and limits described above directly to the Village of Orland Park, Nicole Merced, Management Analyst, 14700 S. Ravinia Avenue, Orland Park, IL 60462. Failure to provide this evidence in the time frame specified and prior to beginning of work may result in the termination of the Village's relationship with the contractor.

ACCEPTED & AGREED ON February 17, 2022



Signature

Michael G. Wolf, PE, CxA, LEED AP BD+C

Printed Name

Principal

Title

Authorized to execute agreements for:

Farnsworth Group, Inc.

Name of Company

Note: Sample Certificate of Insurance and Additional Insured Endorsements attached.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
3/23/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must have **ADDITIONAL INSURED** provisions or be endorsed. If **SUBROGATION IS WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Cottingham & Butler Robert Heath 800 Main St. Dubuque IA 52001	CONTACT NAME: PHONE (A/C No, Ext): 563-587-5000		FAX (A/C, No): 563-583-7339
	E-MAIL ADDRESS:		
INSURED FARNRGRO-01 Farnsworth Group, Inc. 2709 McGraw Drive Bloomington IL 61704		INSURER(S) AFFORDING COVERAGE	NAIC #
		INSURER A: Hartford Fire Insurance Company	19682
		INSURER B: Travelers Property Casualty Company of America	25674
		INSURER C: Twin City Fire Insurance Co.	29459
		INSURER D:	
		INSURER E:	
		INSURER F:	

COVERAGES

CERTIFICATE NUMBER: 1694889250

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC OTHER:			83 UEN OB 8121	4/1/2021	4/1/2022	EACH OCCURRENCE	\$ 1,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 300,000
							MED EXP (Any one person)	\$ 10,000
							PERSONAL & ADV INJURY	\$ 1,000,000
							GENERAL AGGREGATE	\$ 2,000,000
							PRODUCTS - COMP/OP AGG	\$ 2,000,000
								\$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY			83UENOB8122	4/1/2021	4/1/2022	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,000
							BODILY INJURY (Per person)	\$
							BODILY INJURY (Per accident)	\$
							PROPERTY DAMAGE (Per accident)	\$
								\$
B	<input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input type="checkbox"/> RETENTION \$			QT-630 9R302546	4/1/2021	4/1/2022	EACH OCCURRENCE	\$ 6,000,000
							AGGREGATE	\$
								\$
C	<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	83 WE OB8GDH	4/1/2021	4/1/2022	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER	
							E.L. EACH ACCIDENT	\$ 1,000,000
							E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	\$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
*Named Insured also includes: Farnsworth Group, Inc.; FGI Group, PC; FGI Architect, PC; FGI Pipeline Services, LLC; and Green Navigation Solutions, LLC

CERTIFICATE HOLDER

CANCELLATION

For Proposal Purposes	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE

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ACORD 25 (2016/03)

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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
03/22/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

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PRODUCER Holmes Murphy and Associates - Peoria 311 S.W. Water Street Suite 211 Peoria, IL 61602-4108	1-800-527-9049	CONTACT NAME: Linda Bomarito PHONE (A/C, No, Ext): 309-282-3903 FAX (A/C, No): 866-501-3945 E-MAIL ADDRESS: lbomarito@holmesmurphy.com
INSURED Farnsworth Group, Inc. 2709 McGraw Drive Bloomington, IL 61704		INSURER(S) AFFORDING COVERAGE INSURER A: XL SPECIALTY INS CO INSURER B: INSURER C: INSURER D: INSURER E: INSURER F:
		NAIC # 37885

COVERAGES

CERTIFICATE NUMBER: 61683245

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:						EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$ \$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input type="checkbox"/> RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below Y / N <input checked="" type="checkbox"/> N / A						PER STATUTE <input type="checkbox"/> OTH-ER <input type="checkbox"/> E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
A	Professional Liability (Claims Made)			DPR9975109	04/01/21	04/01/22	Each Claim 5,000,000 Aggregate 10,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

CANCELLATION

Farnsworth Group, Inc 2709 McGraw Drive Bloomington, IL 61704 USA	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE <i>Linda Bomarito</i>
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