SEPTEMBER 5, 2024

REQUEST FOR PROPOSALS #24-059

DOOGAN PARK
ENGINEERING SERVICES

SUBMITTED TO:
VILLAGE OF ORLAND PARK
OFFICE OF THE VILLAGE CLERK
14700 SOUTH RAVINIA AVENUE
ORLAND PARK, IL 60462

SUBMITTED BY:
MIKE KERR, PE
CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 WEST HIGGINS ROAD, SUITE 600
ROSEMONT, IL 60018
MKERR@CBBEL.COM

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W Higgins Road, Suite 600 Rosemont, Illinois 60018-4920 Tel (847) 823-0500 Fax (847) 823-0520

September 5, 2024

Office of the Village Clerk
Village of Orland Park
14700 South Ravinia Avenue
Orland Park, IL 60462

Subject: **Doogan Park Request for Proposals - #24-059**

CBBEL is pleased to submit this proposal to provide Engineering Services for the redevelopment of Doogan Park. The material presented is in accordance with the information requested in your RFP. CBBEL acknowledges receipt of Addendums 1 and 2.

The primary contact person for this submittal is James Amelio, PE. Jim is available to answer any of your questions regarding this submittal and can be reached at jamelio@cbbel.com or on his cell at 847.652.1343. Jim will serve as the Project Manager on this project.

The material provided in this submittal represents our ability and understanding to perform engineering services for the Village. We look forward to continuing our relationship with the Village of Orland Park.

If you have any questions or need any additional information, please do not hesitate to contact me.

Sincerely,

Michael Kerr, PE
President

TABLE OF CONTENTS

TAB 1
BACKGROUND INFORMATION/ COMPANY PROFILE

CHRISTOPHER B. BURKE ENGINEERING, LTD. (CBBEL)

9575 W. Higgins Rd., Ste. 600 Rosemont, IL 60018
cbbel.com | (847) 823-0500 | cbbel@cbbel.com

Founded in 1986, CBBEL is a full-service consulting engineering and surveying firm committed to delivering accurate, timely and cost-effective solutions to a wide range of engineering and environmental challenges.

Our Illinois-based staff is comprised of more than 230 experienced and innovative professionals who provide engineering, surveying and environmental services. With 13 distinct departments, our team's expansive list of specializations provides a depth of expertise that promotes project success.

WHAT WE DO

Since its founding nearly four decades ago, our company and the complexity of our projects have seen significant growth. We are proud of our successful, long-term relationships with a wide variety of clients, including municipalities, counties, townships, sanitary districts and drainage districts throughout Chicagoland. We have served as lead engineer on a variety of major municipal and county undertakings, including the design, permitting and construction of numerous major transportation and roadway projects, multi-use paths, bike lanes, bridges, flood control reservoirs, pump stations, storm sewers, large open channels and water systems.

As a full-service firm, we conduct water resource-related studies and perform GIS services, environmental resource assessments, mitigation planning and permitting, as well as a host of traditional civil engineering services. CBBEL has also provided professional review services for municipalities, counties, state agencies and private clients.

Our team prepares a substantial number of permit applications, having obtained thousands of permits from the US Army Corps of Engineers and the Illinois Department of Natural Resources, as well as FEMA Letters of Map Amendment and Map Revision. We are prequalified by the Illinois Department of Transportation for public involvement and have unique knowledge and experience with various funding programs available to county and municipal clients, providing added services not commonly found in the engineering industry.

Whether you require consulting for an individual project or the full-service resources of our team, you can rely on CBBEL to take the time to thoroughly understand your needs and partner with you to create innovative, cost-effective solutions. From grant writing and design procedures to record-keeping and funding reporting, CBBEL is your full-service team.

Wilmette West Side Neighborhood Storage Project

Mount Prospect Stormwater Improvement Project

Algonquin Main Street Reconstruction Project

OUR TEAM

At CBBEL, we're proud of our highly talented, experienced and educated team, which includes three PhDs, more than 90 licensed Professional Engineers, a team of licensed Professional Land Surveyors, two licensed Structural Engineers and a licensed Landscape Architect. Five employees are Professional Traffic Operations Engineers and four have received the designation of Diplomate Water Resource Engineer. A further 20 staff members are Certified Floodplain Managers, 11 are Certified Professionals in Erosion and Sediment Control and nine are Certified Professionals in Stormwater Quality.

Our resources are geographically distributed – our headquarters is in Rosemont, and we have satellite offices in Evanston and Lockport – to create a network of effective and convenient service across Chicagoland.

Our team is active in a variety of professional and educational associations, allowing us to stay on top of the latest trends and developments and deliver cutting-edge technologies and techniques as they emerge. We are active members of the American Society of Civil Engineers, American Council of Engineering Companies, American Public Works Association and more.

98 LICENSED PROFESSIONALS

TOTAL STAFF **233**

38 YEARS IN BUSINESS

OUR CULTURE

CBBEL founder and CEO Christopher Burke has always stressed the importance of being what he calls a "citizen engineer," someone who takes an active role in making the world a better place. We use this philosophy in crafting our company culture.

SUSTAINABILITY

Our office's Commuter Program and Sustainability Committee was created to implement efforts to reduce our company's carbon emissions, including an ambitious composting and recycling program, eight electric vehicle charging stations, a communal garden and a fleet of shared vehicles.

We've modified our building structure to increase energy efficiency, made it easy for staff to participate in community clean-ups and hosted annual company-wide recycling events.

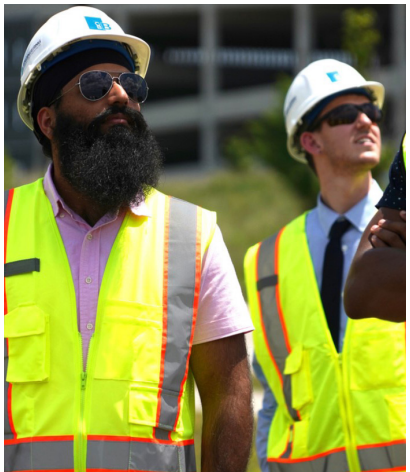
BIKE TO WORK

Founded in 2006, our multi-award-winning Bike to Work Program works to make it as easy as possible for every employee to commute by bike. Our office has on-site shower and changing facilities as well as fleet bikes for those taking public transit. We provide assistance on routes and gear and hold annual competitions and quarterly giveaways to keep motivation high.

Best of all: employees earn $1 for every mile commuted by bike.

INTERNSHIPS

CBBEL's robust internship program is designed to give participants the opportunity to grow both professionally and personally by bridging the gap between the academic and working worlds. The internship program is centered on three initiatives: one-on-one mentorship, in which mentees gain a better understanding of the profession and build their professional network; software training on the latest technology; and hands-on experience with current CBBEL projects.



Firm Information

Primary Contact:

James A. Petrakos, AIA, LEED AP
Managing Principal
P. 630.455.4500
F. 630.455.4040
E. JPetrakos@TRIA-Arch.com
W. www.TRIAArchitecture.com

Principals & Staff:

TRIA Architecture was formed and is managed by three Principal Architects:

James A. Petrakos, AIA, LEED AP
Thomas R. Szurgot, AIA, LEED AP
Ronald E. McGrath, AIA, LEED AP

TRIA Architecture has a staff of twenty-six, consisting of nineteen architects, three interior designer, two interns, one graphic designer, and one administrative staff member. We also have strong relationships with consultants in all disciplines, giving us the ability to tailor the most qualified team for each project..

Number of Years in Business:

TRIA Architecture has been proudly serving our clients for twenty years under the same name (our organization has not been known by any other name).

Type of Organization:

TRIA Architecture is an S-Type Corporation.

Number of Offices:

TRIA Architecture has two offices. Your projects will be managed by our Burr Ridge Office.

Illinois Office
(Headquarters)
901 McClintock Drive
Suite 100
Burr Ridge, IL 60527

Northwest
Indiana Office
436 Sand Creek Drive N
Suite 105
Chesterton, IN 46304

Professional Affiliations:

American Institute of Architects - Chicago, Northeastern Illinois Chapters

National Council of Architectural Registration Boards (NCARB)

American Public Works Association (APWA)

U.S. Green Building Council (USGBC)

Leadership in Energy and Environmental Design (LEED)

Roofing Consultants Institute (RCI)

Illinois City County Management Association (ILCMA)

Will County Governmental League (WCGL)

Illinois Association of Park Districts (IAPD)

20TH ANNIVERSARY
TRIA ARCHITECTURE

TAB 2
SIMILAR PROJECT EXPERIENCE
FACT SHEETS
REFERENCES

Stoneybrook Park Reconstruction

Algonquin, IL (2018-2022)

CBBEL assisted the Village of Algonquin in the preparation of OSLAD development grant for the redesign of the 3 acre park. CBBEL prepared construction plans and details for park improvements, including playground, pickleball courts, half-court basketball, shelter and parking lot.

Elmgrove Park

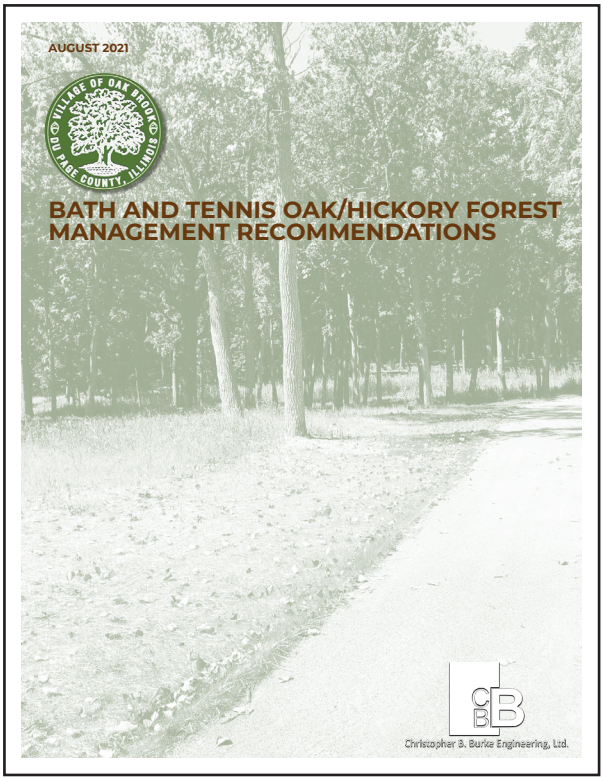
Elmwood Park, IL (2023)

CBBEL assisted the Village of Elmwood Park in the preparation of OSLAD development grant for the application for acquisition of park site. CBBEL prepared construction plans for development. Park features include a water spray playground, bag toss, benches and monument sign.

Oak Brook Bath and Tennis

Oak Brook, IL (2021)

CBBEL assisted in preparation of OSLAD development grant and prepared construction plans and details for parks improvements, including soccer fields and trails.



Tennis and Basketball Court Master Plan

Deer Park, IL (2023)

CBBEL prepared detailed report regarding condition of all sport courts within the community, including recommendations for renovations and reconfigurations.

Burning Bush and Aspen Trails Parks

Mount Prospect, IL (2019-2021)

A partnership between the Village of Mount Prospect, the River Trails Park District, and Metropolitan Water Reclamation District of Greater Chicago (MWRD), created new storm water infrastructure and park space amenities to enhance attractive park spaces and manage increasing amounts of stormwater due to climate change.

The first project completed was the stormwater detention basin at Burning Bush Trails Park which included a54-inch pipe connection to existing storm sewers to better hold and discharge up to 4.37 million gallons of excess water during heavy rains. In addition, park district improvements include athletic at the bottom of the detention basin, including the complete reconstruction of two baseball fields with short retaining walls for seating, new dugouts, staircases, and handicap-accessible ramps. An underdrain system and irrigation system were also installed throughout the basin to improve water management and conservation.

Less than a mile north of Burning Bush Trails Park, similar upgrades were implemented at Aspen Trails Park in Mount Prospect. The Aspen Trails improvements include construction of a 17 acre-feet underground stormwater detention vault beneath the existing park footprint, equipped to store more than 5.5 million gallons of water. The underground detention system in the park, a new storm sewer under Aspen Drive, and the curbs, sidewalks, driveways, and parkways restoration were recently installed with additional monitoring to come over the winter. This project provides park upgrades and underground flood storage and associated relief sewers at Aspen Trails Park to provide flood relief for approximately 100 structures.

The dual purpose stormwater management and recreational land use at both Burning Bush Trails Park and Aspen Trails Park is a major sustainability initiative. The surfaces at both new playgrounds consist of a resilient rubber systems consist of a 100% post-consumer recycled SBR rubber and polyurethane base and/or a top surface of 100% post-industrial EPDM (Ethylene Propylene Diene Monomer) rubber and polyurethane. During construction, two trees within the playground area were transplanted instead of being cut down.

The open basin at Burning Bush Trails Park presented multiple opportunities for additional sustainability initiatives. The slope plantings included native plantings that attract butterflies and other pollinators. A new dedicated butterfly garden space was created adjacent to the basin and Illinois native trees were planted around the basin. Open pipe was installed along the basin for electrical autonomous mowers.

Burning Bush Trails Park utilized “Magic Dirt” technically know as EQ Biosolids. EQ Biosolids are a product of wastewater treatment that supplies organic matter and improves the structure and porosity of soils, which allows plants to more effectively utilize nutrients. Air-dried biosolids can be used as a soil amendment or conditioner for establishing turfgrass and for mixing into custom topsoil blends. The bioswales are produced by the MWRDGC treatment plant. EQ Biosolids look and feel like dark, fine-textured topsoil. This recycled product creates better soil and healthier plants which results in less maintenance and makes for more robust and durable landscaping.

College View Stormwater Improvements

Elmhurst, IL (2021)

Project Type

- Phase II Engineering
- Phase III Engineering
- Topographic Survey
- Hydrologic and Hydraulic Modeling
- Storm Sewer Improvements
  Utility Coordination
- Permitting

Project Team

James Amelio, PE
Project Manager

Mark Thomas, PE
Design Engineer

Kevin Wilson, PE
Resident Engineer

Luke Sherry, PE
Stormwater Engineer

Client

City of Elmhurst

Construction Cost

$4.65 million

Funding Source

Local

The award-winning College View Stormwater Improvements project provided both valuable flood-reduction benefits to the residents and a huge upgrade for the school's recreational facilities.

CBBEL was retained by the City of Elmhurst (City) to design and construct the College View Stormwater Improvements. During the storm events of June 2010, July 2010, and April 2013, the city experienced record rainfalls that resulted in hundreds of flooded residences. One of these flood-prone areas of the city is the residential area known as the College View Study Area, which contained 17 homes that were at-risk of structural flooding during a 100-year magnitude storm event. The city partnered with Elmhurst Community Unit School District 205 to utilize existing open space on the York Community High School campus for the purposes of creating flood storage. These improvements involved the construction of a pump-evacuated underground StormTrap system with a new synthetic turf playing field installed above the structure. Utilizing the design build delivery method allowed the project to be constructed in one construction season.

Scope of Services:

- Project design
- Permitting
- Value engineering analysis and scope modifications to meet client's budget
- Cost estimates
- Construction management
- GMP and schedule delivery

Madison School / Park

Elmhurst, IL (2016-2017)

Project Type

- Phase II Engineering
- Landscape Design
- Utility Coordination
- Permitting
- Public Presentation

Project Team

Nicholas Morel, PE
Project Manager

Douglas Gotham, RLA
Landscape Architecture

Client

City of Elmhurst

Construction Cost

$2.3 million

Fee

$185,000

Funding Source

Local

The neighborhood that surrounds Madison School experienced severe on-street flooding. The solution to alleviate this problem was to create a basin that the streets could drain to that also provides an active recreation space for the community.

The only available open space to achieve this was an open lawn area south of Madison School. Utilizing this open lawn, CBBEL designed a storm water collection system to drain the water off the streets and into a deep basin excavated within this space. Since the flooding is not a frequent event, CBBEL designed regulation soccer fields. The fields are undrained and the soil for the grass was designed to tolerate periodic flooding.

As part of the Comprehensive Flood Plan for the City, CBBEL developed XP-SWMM hydrologic and hydraulic modeling to identify concept-level drainage improvements to increase the level of flood protection for the flood problem areas located in the southwestern portion of the City. As part of these improvements, the existing open space located at the south end of the Madison School property was analyzed as a location where flood storage could be created in conjunction with other drainage improvements in the surrounding areas.

CBBEL developed an innovative stormwater conveyance system for larger rain events that consisted of high capacity intake structures when the existing stormwater infrastructure is at capacity. Coupled with the installation of a large diameter storm sewer to the new basin, this increased the level of flood protection for the homes along Washington Street that have had historical flooding issues. With cooperation with the Elmhurst Community Unit School District 205 (District 205), flood storage was created in the open space area located at the southern end of the Madison School property while still maintaining the play fields. With the addition of vacating a portion of Adams Street, the dual-use (stormwater and soccer field) facility created approximately 6.5 acre-feet of flood storage.

Services Included

- Topographic Survey
- Updated XP-SWMM Storm Sewer Analysis
- Utility Coordination
- Geotechnical Engineering/Soil Testing
- Preliminary Engineering
- Permitting (City)
- Final Engineering
- Bid Assistance
- NOI Preparation and Submittal
- SWPPP Preparation and Submittal
- Agency Coordination and Project Meetings with 3D visualization of the proposed facility for public presentation

Downtown Pocket Park

Lincolnshire, IL (2018)

Project Type

- Landscape Design
- Green Design
- Site Furniture Selection
- Shop Drawing/ Material Review

Project Team

Douglas Gotham, RLA
Landscape Architecture

Client

Village of Lincolnshire

Construction Cost

$265,000

Fee

$25,000

Funding Source

Local

Creating a small oasis in the heart of downtown Lincolnshire that provides a peaceful retreat for residents and visitors alike.

This purpose of this project was to create a small oasis to contemplate nature within the urban environment. Village staff and officials determined the need for such a park and selected a variety of elements to elevate the user's awareness of the environment around them. Amenities include a kinetic wind sculpture, a compass, grass spinners mounted upon a lily pad safety surface, rough stone benches, a pergola, drinking fountain, bike racks made from recycled material, and everything is surround by native plantings.

Landscape Architecture Services Included:

- Design of all the components of the site
- Preparation of construction and bidding documents
- Selection of site furniture
- Bidding assistance
- Shop drawing and material review

Millennium Park All Inclusive Playground

Northlake, IL (2016)

Project Type

- Phase II Engineering
- Phase III Engineering
- Landscape Design
- ADA Improvements
- Plans and Specifications

Project Team

Mark Wrzeszcz
Senior Project Manager

Douglas Gotham, RLA
Landscape Architect

Client

City of Northlake

Construction Cost

$150,000

Fee

$9,000

Funding Source

Local

CBBEL assisted the community of Northlake in creating an inclusive playground, providing a space where children of all abilities can play together

The City of Northlake recognized the need to provide an 'All Inclusive' playground within their community. The City identified their Millennium Park as being the ideal location. The City retained CBBEL to assist in the design of the space, the selection of equipment and the engineering of full accessibility to the new equipment. The play space provides, ramps, slides, swings, decks, and play panels installed upon a poured in place synthetic safety surface. Once all the materials were selected CBBEL prepared plans and specifications for bidding. CBBEL also provided construction observation and administration services.

Services Included:

- Site Topography and Utilities Survey
- Site Design and ADA Compliant Grading Plan
- Assistance in Equipment Selection
- Preparation of Plans, Specifications and Bid Documents
- Construction Observation

Grant Park Splash Pad

Northlake, IL (2021)

Project Type

- Phase II Engineering
- Phase III Engineering
- Water Improvements
- Permitting
- Plans & Specifications

Project Team

Mark Wrzeszcz
Project Manager

Joseph DeFrenza, PE
Project Engineer

Gerald Hennelly
Electrical Engineer

Eric Taraska
Resident Engineer

Client

City of Northlake &
Veterans Park District

Construction Cost

$300,000

Fee

$22,500 (Phase II)
$20,000 (Phase III)

Funding Source

Local

The Grant Park splash pad includes15 water features that run through automated cycles which are controlled by push-button activation.

This project included construction of a Portland cement concrete splash pad, furnishing and installing all splash pad appurtenances, electrical service and water feature controller design, storm sewer, perforated underdrain, sanitary sewer, water service, permeable pavers, Portland cement concrete sidewalk, combination concrete curb and gutter removal and replacement and landscape restoration.

Services Included:

- CBBEL completed a topographic survey containing all topographic features, utility, rims and inverts, approximate ROW and property lines.
- CBBEL prepared plans, specifications and estimates and submitted them to the City and Veterans Park District for review.
- CBBEL obtained permits from MWRD.
- CBBEL advertised, reviewed and tabulated all bids and recommended award to the City.
- CBBEL prepared pay estimates and change orders for the City's approval.
- CBBEL reviewed shop drawings and submittals.
- CBBEL performed construction observation including verifying the Contractor was in conformance with the contract documents, inspecting erosion control measures, witnessing water main testing and chlorination, and measuring quantities. Provided documentation monitoring the Contractor's progress.
- CBBEL served as the City's and Park District's liaison with residents and Contractor.
- CBBEL prepared pay estimates and proposed contract modifications for the City's approval.
- CBBEL prepared field notes of improvements that were incorporated into a set of record drawings for the City.

Sportscore Improvements

Oak Brook, IL (2021)

Project Type

- Phase II Engineering
- Phase III Engineering
- Multi-Use Path
- Documentation

Project Team

Orion Galey, PE
Project Manager

Nicholas Morel, PE
Project Engineer

Scott Soderstrom, PE
Resident Engineer

Client

Village of Oak Brook

Construction Cost

$464,000

Fee

$67,000

Funding Source

Local

Making aesthetic and capacity upgrades to multi-use sports fields.

Aesthetic upgrades were constructed including stabilized circulation path, running track and soccer field. This project consisted of tree removal, tree trimming, and tree pruning to clear the site. Overall site grading and athletic field fine grading were performed to bring the project area to the proposed plan elevations. Excavation and removal and disposal of unsuitable material were performed for installation of the running track and circulation path pavement structure. Aggregate base course was placed and then a decorative, stabilized granite aggregate installed for the running track and circulation path. Final landscaping included topsoil placement, custom seed mix placement, and erosion control blanket placement.

Services Included:

- Project design
- Permitting
- Full-time construction observation
- Field measurements of quantities
- Project documentation as outlined in IDOT's construction manual
- Preparation of pay estimates
- Coordination with and between Oak Brook and IDNR
- Coordination of material inspection

REFERENCES

VILLAGE OF ALGONQUIN

2200 Harnish Drive
Algonquin, IL 60102

Contact: Clifton Ganek, PE, Village Engineer
CliftonGanek@algonquin.org | 847.923.3863

PARK DISTRICT OF FOREST PARK

7501 Harrison Street
Forest Park, IL 60130

Contact: Tim Gillian, President (former Village of Forest Park Village Administrator)
tgillian@pdofp.org | 708.366.7500

CITY OF ELMHURST

209 N. York Street
Elmhurst, IL 60126

Contact: Kent Johnson, PE, Assistant City Manager
kent.johnson@elmhurst.org | 630.530.3024

TAB 3
PROJECT TEAM
ORGANIZATIONAL CHART
RESUMES

ORGANIZATIONAL CHART

DOOGAN PARK – RFP #24-059

ORLAND PARK

PROJECT MANAGER
Jim Amelio, PE

CLIENT LIAISON
Travis Parry, PE, CFM

DESIGN ENGINEER
Kevin Hunt

LANDSCAPE ARCHITECT
Doug Gotham, RLA

WATER RESOURCES
Travis Parry, PE, CFM

SURVEY
John Murphy, PE, PLS

LIGHTING
Tony DeRicco, PE, LC

IRRIGATION DESIGNER
Kevin Baldwin, PE

GEOTECHNICAL
Testing Service Corporation

ARCHITECTURE
Jorge Ortiz
Tria Architecture

ADDITIONAL CBBEL RESOURCES

9	PHASE I DEPARTMENT	2	LANDSCAPE DESIGNERS	10	DRAINAGE DEPARTMENT
56	PHASE II DEPARTMENT	*6	TRAFFIC DEPARTMENT	12	ENVIRONMENTAL DEPARTMENT
51	PHASE III DEPARTMENT	13	MECHANICAL/LIGHTING DEPARTMENT	18	WATER RESOURCES DEPARTMENT
5	STRUCTURAL DEPARTMENT	13	SURVEY DEPARTMENT		*5 PTOE

■ CBBEL Employee ■ Subconsultants

James Amelio, PE

Group Lead

YEARS EXPERIENCE: 21
YEARS WITH CBBEL: 21

EDUCATION
Bachelor of Science, 2003
Civil Engineering
University of Illinois at Urbana-Champaign

PROFESSIONAL REGISTRATION
Professional Engineer, IL, 062.060779, 2008

CERTIFICATIONS
Documentation of Contract Quantities, IDOT, 16-12215

ICORS Training Seminar, IDOT

Material Management of Job Sites, IDOT

PROFESSIONAL DEVELOPMENT
IDOT QC/QA Courses:

Mixture Aggregate Technician Course

Portland Cement Concrete Level 1

Hot Mix Asphalt Level 1

Bituminous Concrete Density Tester Course

Jim is a Professional Engineer with experience in a wide range of projects in both design and construction. His Civil Design experience includes roadway, streetscape, and alley design; storm and sanitary sewer design; water distribution design; and the preparation of state and municipal plans, specifications and estimates. His Construction Engineering experience includes on-site construction observation, project coordination, scheduling, and documentation of quantities; coordination and verification of materials testing and inspection; preparation of change orders; review of contractor pay requests; coordination of as-built drawing preparation; and finalization of contracts. Jim is proficient in documentation for various types of funding including FAU, STP, LAPP, MFT, MWRD, DCEO, ERP, EECBG and CDBG grants. Jim leads one of CBBEL's five Civil Design groups and serves as the Village Engineer and main point of contact for the Villages of Forest Park and Lincolnwood.

Software Experience: Microsoft Project/Word/Excel/Access, ICORS, MicroStation, Geopak

Village Engineer, Village of Lincolnwood (2014-present): Oversees all municipal engineering responsibilities and works with the Village in a variety of capacities, including administration and design of municipal programs and projects, coordination of development reviews and construction inspections, and attendance at Village Board and staff meetings.

Village Engineer, Village of Forest Park (2003-present): Oversees all municipal engineering responsibilities and works with the Village in a variety of capacities, including administration and design of municipal programs and projects, coordination of development reviews and construction inspections, and attendance at Village Board and staff meetings.

Lincolnwood Annual Capital Projects (2014-Present), Village of Lincolnwood: Responsible for programming, design and oversight of Village's annual capital projects. Projects consist of water main replacement and resurfacing projects.

10-Year Plan (2003-Present), Village of Lincolnwood: Project Manager responsible for data collection and rating of existing roadway, water main and alley infrastructure to create 10-year plan for Village's future public improvements projects.

Forest Park Annual Capital Projects (2003-Present), Village of Forest Park: Responsible for programming, design and oversight of Village's annual capital projects, including water main replacement project, 50/50 sidewalk program, alley reconstruction program, pavement marking program, CDBG program, and various FAU, ERP, MFT and locally funded resurfacing projects.

Forest Park Annual Alley Improvements, Village of Forest Park: Project Manager responsible for design and construction oversight of annual alley program. To date, over 100 alleys have been reconstructed with inverted crown, storm sewer, and drainage structures. Numerous alleys have been constructed with permeable pavers.

Highland Avenue and Caro Vista Stormwater Improvements, Village of Orland Park: Project Manager responsible for design and construction oversight to address drainage issues at two locations. Services included: stormwater modeling, design and engineering plans, resident coordination/notification, construction management and an as-built survey.

Devon Avenue Streetscape, Village of Lincolnwood: Project Manager responsible for design. Project consists of 0.33 mile of improvements including pedestrian pavement, roadway/pedestrian lighting, ADA route improvements, site furnishings, and general enhancements to the aesthetics of 6 blocks.

Olde Western Avenue Streetscape Stage 1 and 1.5, City of Blue Island: Project Manager responsible for design, bidding and construction management services. Project consisted of ornamental street lighting, decorative sidewalk, curb, landscaping, and pavement resurfacing.

Chicago Ridge Park District Tower Park Improvements, Chicago Ridge Park District: Project Manager responsible for design, bidding and construction management services. Project consisted of playground installation, site grading, bike path, and a new parking lot.

Catalina Subdivision Water Main and Stormwater Improvements Stage 1, 2, and 3, Village of Orland Park: Project Manager responsible for design of water main lining, water main open cut, large diameter storm sewer, and grading for detention ponds.

7400 Harrison Demolition, Park District of Forest Park: Project Manager responsible for design, bidding and construction management services. Project consisted of demolition of four buildings, site regrading and restoration.

Forest Park 2024, 2022 and 2020 Green Alley Improvement Project, Village of Forest Park: Project Manager responsible for design of six green alleys. Project consisted of reconstructing existing concrete alleys with concrete ribbon and a permeable paver trough. The project received MWRD funding participation.

Blue Island 2023 Green Alley Improvement Project, City of Blue Island: Project Manager responsible for design of three green alleys. Project consisted of reconstructing existing asphalt alleys with concrete ribbon and a permeable paver trough. The project received MWRD funding participation.

Lincolnwood 2023 Green Alley Project, Village of Lincolnwood: Project Manager responsible for design and construction of a permeable paver alley, as well as completion and submittal of the successful MWRD GI Grant Application.

Street Storage Program Stages 1, 2 & 3, Village of Lincolnwood: Project Manager responsible for design, consisting of constructing roadway and driveway berms in conjunction with sewer restrictions to alleviate basement backups within a combined sewer area.

Collegeview Stormwater Improvements, City of Elmhurst: Project Manager responsible for design and construction management of 8.7 ac-ft storm trap system. Project also included coordination with school district, easement negotiations, and preparation of base and coordination with field turf system which was installed on top of the storm trap. ***Awarded APWA Chicago Metro Chapter (suburban Branch) Public Works Project of the Year in the Environmental Category less than $5M.***

US Route 30 Water Main and Forcemain, Village of New Lenox: Project Manager responsible for design, bid and construction management services. Project included installation of 3,000 LF of 12" water main and 3,000 LF of 8" forcemain.

Fairway Stages 1 & 2 Roadway Improvements, Village of Orland Park: Project Manager for full depth reconstruction of nearly 40,000 square yards of roadway. Project also included curb and gutter and sidewalk removal and replacement, storm sewer improvements, and ADA sidewalk ramps. Duties included coordination with contractor, Village staff, and residents, project scheduling, material submittals, contract administration, processing of pay estimates, and project closeout.

Saylor/Swain/Vallette Stormwater Improvements, City of Elmhurst: Project Manager responsible for design and construction management of 7.27 ac-ft of stormwater improvements. ***Awarded APWA Chicago Metro Chapter (Suburban Branch) Public Works Project of the Year in the Environmental Category less than $5 M.***

Transmission Main, Village of Lincolnwood: Project Manager responsible for wholesale water rate review, route study, design and construction management of 20" diameter transmission main connection to the City of Evanston, approximately three miles. Pipe installation methods consisted of a 600' directional bore beneath the North Shore Channel, auger bore beneath all IDOT routes and under the CTA rail line and open cut pipe installation method with pavement resurfacing. Coordination with utilities and negotiation and acquisition of multiple easements. Permit coordination from CCDOTH, ComEd, CTA, IDOT, IEPA, MWRD, Village of Skokie and USACE. ***Awarded APWA Chicago Metro Chapter (Suburban Branch) Public Works project of the year in the Environmental Category $5M - $25 M.***

510 Des Plaines Paver Parking Lot, Village of Forest Park: Project Manager responsible for design of municipal parking lot. Also responsible for completion and submittal of successful MWRD GI Grant Application.

Fairway Stages 1, 2, 3 & 4 Water Main Replacement, Village of Orland Park: Project Manager for construction of Fairway Stages 1, 2, 3 & 4 Drainage and Water Main Improvements. Project involved the construction of approximately 25,000 LF of new water main throughout the Fairway neighborhood, including new water services, valves, and fire hydrants. Also included in this project were miscellaneous drainage improvements, including installation of rear yard drainage structures which were tied into the existing storm sewer system.

Circle Avenue Sewer Separation, Village of Forest Park: Project Manager responsible for successful grant application (MWRD Stormwater), design and construction management. The project consisted of new 60" diameter storm sewer, new sanitary sewer, CIPP lining of existing combination sewer, new 20"/ 12"/6" water main, and pavement resurfacing. Coordination with utilities and negotiation and acquisition of a permanent easement from the United States Postal Service.

North Shore Channel Storm Sewer Outfall, Village of Lincolnwood: Project Manager responsible for successful MWRD funding application, design and construction oversight. Project consisted of installing a 60" diameter sewer outfall into the north shore channel and tributary sewer network.

Madison Street Drainage, Village of Hinsdale: Project Manager responsible for design, bid and construction management services. Project included installation of large diameter storm sewers in Village ROW and private easements to alleviate localized flooding.

CTA Blue Line Parking Lot Rehabilitation, Village of Forest Park: Project Manger responsible for grant coordination, design and construction management. Project consisted of resurfacing and ADA sidewalk improvements.

Salt Storage Facility, City of West Chicago: Project Manager responsible for design, bidding and construction management services. Project consisted of constructing a salt barn, associated parking lot and utilities.

163rd and Gougar Traffic Signal, City of Lockport: Project Manager responsible for design, bid and construction management services. Project included signalization of a stop controlled intersection along with intersection pavement improvements.

Kevin Baldwin, PE

Project Manager

YEARS EXPERIENCE: 18
YEARS WITH CBBEL: 18

EDUCATION
Bachelor of Science, 2006
Multidisciplinary Eng.,
Acoustics/Mechanics
Purdue University

PROFESSIONAL REGISTRATION
Professional Engineer, IL,
062.065113, 2012

PROFESSIONAL DEVELOPMENT
Ethics in City Government,
Ethics Training for CDA/OMP
Contractors, Vendors and
Employees

PROFESSIONAL AFFILIATIONS
American Society of
Mechanical Engineers (ASME)
Member ID 000103521657

American Water Works
Association (AWWA)
Member ID 03668260

Engineering Projects in
Community Service (EPICS)
Purdue University

STEM Partnership Team
Glenbrook South High School

Irish Engineers and
Contractors of Chicago

Professional Engineer with experience in design and construction projects focusing on mechanical, electrical, and civil applications. Participated in projects including water distribution system modeling, roadway and site lighting design, sanitary lift station design, pump station design, and site grading plans. Responsibilities include building water models from scratch, updating existing water models, global oversight of full system network expansion, initial design process, evaluating design and modeling scenarios, creating layout exhibits, preparation of construction plan drawings, developing cost estimates, construction observation, and shop drawing reviews.

Computer Capabilities include software such as: Microstation and AutoCAD for plan drawings and creating exhibits; WaterGEMS, Infowater, and EPANET v2 for water distribution modeling and scenarios; XPSWMM for sanitary and stormwater modeling; ArcGIS and ArcMap for information systems analysis and exhibit creation; Microsoft Office and Adobe Standard for contract document preparation; ProjectWise Explorer for multiple company file transfer structure; and Excel and EDR (Electrical Designers reference) for voltage drop, panelboard circuit loads/schedules and fault current calculations.

Lake Michigan Water Project, Village of Bartlett: Project Engineer for all four engineering phases of Bartlett's five-year conversion to a Lake Michigan Water Supply from the DuPage Water Commission (DWC). Engineering for the project included Alternative Selection, Planning, Design Engineering and Construction Observation Engineering. The Alternatives Study through construction occurred between 2014 and the Spring of 2019. The project was operational before the end of Bartlett's 35-year water supply contract with its previous water provider. The initial Alternatives Study assessed five alternatives available to Bartlett for its potential water supply. The comparison of alternatives included identifying the available alternatives, projecting capital and financing costs, water purchase cost, operating and maintenance cost, soft cost, and Bartlett's projected water rate for each alternative. As the Alternative selection phase moved forward to Board's final selection of DWC, the available alternatives and their costs continually evolved. Multiple presentations were made at public Board meetings to update the status of the current alternatives under consideration. Bartlett's Board made its selection of DWC to be its future water supplier approximately 2 ½ - years after the presentation of the initial study. Engineering of the project moved forward into Planning and securing a Lake Michigan Water Allocation from IDNR-OWR. Bartlett utilized an IEPA low interest loan to finance the Receiving Station component of the project which required obtaining all Agency required planning approvals. Comprehensive water modeling was performed of the system serving 41,000 people using WaterGEMS software. The water modeling essential for making pump selections for the Receiving Station and determining the extent of internal water main improvements needed to facilitate the new Lake Michigan Water supply. Future capital improvements were evaluated as well. Upon the completion of the IEPA planning and receipt of the IDNR Lake Michigan Water Allocation, detailed bidding and contract documents were prepared for the Receiving Station which featured a 60-foot by 80-foot aesthetically treated metal building housing pressure adjustment and flow control of the DWC supply, 7-variable speed pumps, chlorination equipment, and full standby power. The Receiving Station also featured 2 - 1.5-million-gallon bolted steel ground storage tanks, and a new system wide SCADA system with seven cellular based sites. The $8.0 facility which was constructed to substantial completion in 10 – months through the winter season. The project was coordinated throughout with DWC, IEPA and IDNR. The project was completed on-time and under budget. The Village's enacted water rate was under the rates that were projected in the Alternatives Study five years before completion of construction. Engineering duties include contract plan and specification preparation, shop drawing reviews, water modeling throughout the project, assisting the Resident Engineer with any inquiries.

South Booster Station, Lombard: Assisted in design and plan preparation of a new inter-zone booster pump station with three 60 HP split case pumps rated at 1050 GPM @ 150' TDH each. Project also included a new 300 kW emergency generator and full integration into the Village's SCADA system. Pump station building was designed to blend with the nearby school next door and included the design of approx. 4,300' of 20" water transmission main with a detailed alignment study which selected the less obtrusive route under the pavement of Meyers Road (DuPage County Hwy 25). Duties included plan preparation, coordination of utilities, and preparation of IEPA permit applications.

Hillside-Berkeley Water Commission, Bellwood: Project included design of approx. 23,000' of new 16" water main with approx. half of the proposed alignment done by the directional boring method of construction. Duties included assistance in water main design and plan preparation, cost estimate, coordination of utilities, preparation and coordination of required permits, and easement plan preparation.

Quentin Road Water Main, Hawthorn Woods: Project included design of over 5,396' of water main and along approx. 6,000' of roadway. Duties included assistance in water main/sanitary sewer design and plan preparation, and coordination of utilities.

Peck Farm Park, Geneva Park District: Assisted in design and plan preparation of over 2,800' of water main improvements along Kaneville Rd. Design included proposed 8" water main connection to a 12" water main at Peck Rd and compliance with IEPA requirements. Duties included assistance in water main/sanitary sewer design and plan preparation, and coordination of utilities. In addition, assisted in design and plan preparation of a new 150 GPM sanitary sewage lift station and 2,000' of 4" sanitary forcemain. Preparation of permit documents for IEPA WM, IEPA Sewer, KDOT, and City of Geneva.

East Main Pump Station, Lake County Public Works Department: Project Engineer / Resident Engineer for the $2.3 million rehabilitation Lake County's Regional East Main Pump Station originally placed in service in 1980. The East Main Pump Station has an average daily flow of 4 million gallons per day (MGD) with peak flow rates over 20 MGD. The pre-improvement station was a wet well / dry well station with four 100 horsepower pumps with two mechanical bar screens prior to the renovation. The project included replacing 2 of the vertical style non-clog pumps with 125 horsepower submersible style pumps that will allow the station to continue operations should the dry well ever flood in the future. The mechanical bar screens were replaced with mechanical shredders, thereby eliminating disposal of the screenings and significantly reducing odors and gases created in the screen room, which are treated by an existing forced air carbon scrubber. Two new stainless steel slide gates and new stainless steel grates and plates were added to the screen channels. The 1200 amp main electrical service entrances (2 ComEd feeds) were replaced with new switchgear which includes an automatic transfer switch between the ComEd feeds. A Kirk key operated generator receptacle was added to allow the County to power the station with one of two 500 KW generators they maintain in their fleet. New variable frequency drives (VFD's) were added for each pump and the existing cone valves were modified to utilize individual REXA hydraulic units in lieu of the original Parco compressed air/hydraulic system. New PLC based controls and new level and flow instrumentation were included as well as new station LED lighting, a fresh coat of paint and new TPO roof. CBBEL worked with the Contractor and the County to implement the improvements with utilizing handful of limited duration shutdowns and staged construction rather than the originally planned 6 week full station by-pass pumping period.

Lift Station No. 1 Rehabilitation, Crystal Lake: Project Engineer / Resident Engineer for the rehabilitation of Crystal Lake's Lift Station No. 1. The pre-improvement lift station was a wet well / dry well type station with older Gorman Rupp pumps in a tube access dry pit. The $525,000 improvements included installing new submersible pumps in the existing wet well with new valve vault and piping to connect to the station's existing forcemain. The pumps were 2,000 gpm, 35 horsepower. New PLC based controls and instrumentation were housed in and a new stainless steel control cabinet. Variable frequency drives were included for the pumps. A new 100 KW natural gas generator in a weather enclosure was included to replace the existing generator that was housed in a "shed" in the front parkway of the office building on the adjacent site (the lift station is on ROW and easements on the office property). The wet well was coated during the by-pass pumping operations to reduce existing I/I to the wet well. The landscaping, new layout of the control panel and generator and demolition of the "shed" greatly enhanced the aesthetics of the property. The project required IDNR flood plain and IEPA construction permitting.

Raupp Lift Station Rehabilitation, Buffalo Grove: Project Engineer / Resident Engineer for the Raupp Lift Station rehabilitation project. The Raupp Lift Station is a Smith Loveless wet pit / dry pit lift station with two 50 horsepower pumps. The pump station dates from the 1970's and many components were past their useful life. The Village operates the Raupp Lift Station under an MWRDGC permit and wanted to keep the existing pumps to simplify the permitting process with MWRD. The $313,000 rehabilitation included new valves, control panel, generator to update the station. New controls and instrumentation were included using PLC based controls. By-pass pumping was performed during construction of the improvements. The improvements also included new electrical service from the existing transformers for the station. The station was linked to the Village's existing SCADA system through Comcast interface. The station is located on the banks of Buffalo Creek and adjacent to Park District property.

Old Treatment Plant and Cambridge on the Lake Lift Station Rehabilitation, Buffalo Grove: Project Engineer / Resident Engineer for a $400,000 rehabilitation project for 2 Smith Loveless wet well / dry well lift stations dating from the 1970's in Buffalo Grove. The Village operates these lift station under MWRDGC permits and wanted to keep the existing pumps to simplify the permitting process with MWRD. The design of the proposed improvements was prepared by another consultant and the project was funded through an IEPA SRF loan. The project required getting approvals needed from IEPA for the loan, bidding and construction observation. The improvements consisted of new stainless steel control panels with PLC based controls and communication interlinks with the Village's existing SCADA system. New generators were included along with new valves. By-pass pumping was required during construction.

Metra Tower B-17 Lift Station, Bensenville: Project Engineer for a lift station to provide sanitary service for a single bathroom for the Metra Tower B-17. Some of the unique challenges for this project included that it is part of the O'Hare Modernization Program and underwent the same review procedures and process as multi-million dollar Modernization projects. The project had multiple multi-party reviews. Other unique aspects included addressing the very small sanitary flow that had to be conveyed through 600-feet of forcemain on or parallel to two different railroad right-of-way's that merge at the Tower location. Grinder pumps were utilized and forcemain cleaning velocities were provided in the small diameter forcemain which was also provided with cleanout stations to address the design constraints and maintenance concerns. Permitting was coordinated with two railroads and the Village of Bensenville, who receives the sanitary flow from the Metra Tower.

Menards Lift Station, Glendale Heights: Project Engineer for rehabilitation of existing sewage lift station along IL Route 64. Improvements include reuse of existing wet well with concrete rehabilitation, 3 new 1150 gpm submersible pumping units and associated valves and discharge piping, aluminum access hatches, expansion of existing precast concrete control building including new roof and three wall additions, pump controls including VFDs, valve vault, meter vault with in-line meter, reuse of existing forcemain, modifications to SCADA. Construction Cost $630,000.

Midlothian Road Corridor, Hawthorn Woods: Preparation of design drawings, bidding documents, and coordination of utilities for 4,200' of 8" and 12" sanitary sewer, 11,000' of 6", 8", and 10" diameter sanitary forcemain, 2 new lift stations with standby power and replacement pumps for one existing lift station. New Lift station capacities were 486 GPM at 108' TDH and 1023 GPM at 67' TDH and the existing lift station capacity was 180 GPM at 77' TDH. Preparation of permit documents for IEPA, Lake Zurich, Lake County Public Works, IDOT, LCDOT, LCSMC, EJ&E Railroads.

Anthony DeRicco, PE, LC

Electrical Group Lead

YEARS EXPERIENCE: 33
YEARS WITH CBBEL: 24

EDUCATION
Bachelor of Science, 1990
Electrical Engineering
University of Illinois at Chicago

PROFESSIONAL REGISTRATION
Professional Engineer, IL, 062.057484, 2004

Professional Engineer, WI, 42880-6, 2013

CERTIFICATIONS
Lighting Certified Professional NCQLP

PROFESSIONAL AFFILIATIONS
Illuminating Engineering Society of North America (IESNA)

Consulting Electrical Engineers (CEE), Division of the Electric Association

Professional Electrical Engineer with experience in a wide array of construction projects focusing on electrical applications. Experience includes design of roadway/site lighting, sports lighting, recreational facilities, wastewater and storm/flood control pump stations, potable water pump stations, generator applications and site irrigation. Responsibilities include assessing initial design criteria, evaluating design scenarios, creating photometric design submittals, creating exhibits, designing and constructing complete CAD drawings, generator sizing, developing cost estimates, shop drawing review, QA/QC review and construction observation.

Extensive computer capabilities include: AGI 32 for photometric calculations; MicroStation and AutoCAD for plan drawings; Excel and EDR (Electrical Designers Reference) for voltage drop calculations, panelboard circuit loads/schedules and fault current calculations; Kohler Spec Sizer, Caterpillar Spec Sizer and Cummins Power Suite for generator sizing; Power Point and Paint Shop Pro for creating exhibits and image manipulation. Bluebeam for project collaboration and plan review/markup.

RECREATIONAL FACILITIES

River Edge Park, Aurora: Project Engineer responsible for electrical design, plan preparation, specifications, shop drawing review, and construction observation. Project included 83 pedestrian light poles with speakers, lighted bollards, 4 parking lot light poles, and 13 remote electrical & distribution cabinets.

Rosemont Fields (Phase 2), Rosemont: Project Engineer responsible for electrical design, photometric design, generator sizing, gas and electric utility coordination, plan preparation, specifications, shop drawing review, and construction observation. Project included an inflatable air dome housing 2 softball fields and practice area, 6 offices, 2 restrooms, concession area and a vehicle air lock to bring trucks into dome. The dome includes 4 back-up generators, 3 independent inflation HVAC units (6.5 MBTU's heat & 300 tons A/C), 144 – 1,000W lights, 12 emergency lights, 12 parking lot luminaires and 26 750W flood luminaires to light outside of dome.

Lincoln Park Zoo South Pond Renovation, Chicago: Project consisted of draining/dredging the existing pond and removing/replacing/upgrading all adjacent amenities. Improvements included lighted boardwalk and path around pond, 2 waterside pavilions with lighting, electric and communication ports, ticket and toilet kiosks, receptacles throughout, a wind turbine, central electrical controller, pond operation and an automated pond filler. Duties included photometric design, electrical design and plan drawing preparation.

Prairie Lakes Park Expansion, Des Plaines: Project included lighting for skate park and lighting/electrical for 6 batting cages with provisions to add 4 more, electrical provisions for a well and irrigation pump, shelter building, vending machines and tent for events. Duties included photometric design, plan design and preparation, cost estimate, and shop drawing review.

Campton Hills Park District, St. Charles: Project included parking lot lighting, upgrading existing electrical in-well house building, electric for 2 scoreboards, sanitary lift station, irrigation of 7 soccer fields with provisions to irrigate 6 more. Duties included plan design and preparation.

The Morton Arboretum Children's Garden, Lisle: Project included path/area lighting and receptacles throughout the site. Power was provided for 5 water feature pumps including a granite ball rotating on a cushion of water. Duties included photometric calculations, plan design and preparation, cost estimate, and shop drawing review.

East Side Sports Complex, St. Charles: Project included lighting and irrigating 8 baseball fields, 2 soccer fields, 4 sand volleyball courts, 2 basketball courts, 2 tennis courts, skate park and playground, parking lot lighting, maintenance building, and electrical building. Duties included photometric design, plan design and preparation, and cost estimate.

BUILDING FACILITIES

Balmoral Avenue Metra Station, Rosemont: Project included a new parking lot and elevator structure to access the train platform from bridge above. Structure included a 25 Hp elevator, electric heaters, exhaust ventilation system, interior and exterior building lighting and telephone service. An 8" steel casing was installed under railroad for electric and phone service to building. Parking lot included 6 light poles and 2 electronic fare collection boxes. Duties included photometric design, electrical design, plan preparation, cost estimate, and shop drawing review.

Muvico Pedestrian Bridge, Rosemont: Project Engineer responsible for electrical design, HVAC design, photometric design, irrigation design, and plan preparation. Project included a new elevated pedway approximately 130' long from Muvico Theater to adjacent parking garage. Included was an elevator, 2 escalators, lighting, heating, air conditioning, automatic sliding doors, site lighting and irrigation.

Aloft Hotel Elevated Pedway, Rosemont: Project consisted of a new elevated pedway approximately 175' long connecting the Aloft Hotel to the adjacent parking garage. Included were lighting, heating, air conditioning, and automatic sliding doors at both ends. Duties included electrical design, HVAC design, photometric design, and plan preparation.

ROADWAY LIGHTING DESIGN

IL 72 (Higgins)-River-Devon Lighting Improvements, Rosemont: Project Manager. Project included approximately 8,100' of roadway lighting improvements. Project consisted of removal of existing lighting and installation of 89 new decorative type light poles and one new lighting controller. New light poles were 40' tall with 178W decorative pendent type LED luminaires on a 10-foot decorative arm with a two-piece clamp on clam shell base, banner arms and GFCI receptacles.

Rand Road, Central Road and Mount Prospect Road Improvements - Phase I/II, Mount Prospect: Project Engineer. Project includes approximately 6,000' of roadway and street lighting improvements. Project consisted of removal of existing lighting and installation of 47 new decorative type light poles and one new lighting controller. New light poles were 40' tall with 180W cobrahead type LED luminaires on an 8-foot truss arm with a breakaway transformer base, banner arms and GFCI receptacles.

IL 72 (Higgins)-Devon Lighting Improvements, Rosemont: Project Manager. Project included approximately 7,200' of roadway lighting improvements. Project consisted of removal of existing lighting and installation of 48 new decorative type light poles and one new lighting controller. New light poles were 40' tall with 249W decorative pendent type LED luminaires on a 12-foot decorative arm with a two-piece clamp on clam shell base, banner arms and GFCI receptacles. Project also included removal and installation of 30 new underpass type LED luminaires that were wall and suspended mounted for two tunnel underpasses.

Randall Road and Stearns Road Intersection Improvements, Kane County: Project Engineer. Project includes approximately 6,000' of roadway and street lighting improvements. Project consisted of installation of 44 new roadway light poles and one new lighting controller. New roadway light poles were spun aluminum with 330W cobrahead type LED luminaires on a 12-foot truss arm typically mounted at 47.5'.

Howard Street Corridor Improvements, Evanston: Project Engineer. Project included approximately 6,900' of roadway lighting improvements. The existing City of Evanston light poles were removed and replaced with either the City Standard roadway light pole, 30' tall davit arm pole with 171W roadway LED luminaire, or match the CDOT decorative roadway standards. Existing CDOT light poles had their existing HID luminaires removed and replaced with their LED standard decorative type luminaires. Project was permitted thru CDOT. Project was let by IDOT. Duties included photometric calculations, electrical design, creation of contract drawings and specifications, summary of quantities, engineer's cost estimate, and new service coordination.

US Route 52 and River Road Lighting Improvements, Shorewood: Project Engineer. Project included approximately 2,800' of roadway lighting improvements. Project consisted of removal of existing lighting and installation of 17 new decorative type light poles and reusing the existing controller. New light poles were 40' tall with 219W cobra head type LED luminaires and banner arms. Also included design of combination intersection lighting. Duties included photometric calculations, electrical design, creation of contract drawings and specifications, summary of quantities, engineer's cost estimate, shop drawing review and construction observation.

US Route 30 Exit Ramp at I-55, Plainfield and Joliet: Project Manager. Project included approximately 1,500' of roadway lighting improvements and 1,200 feet of ramp lighting improvements. The roads and ramps were illuminated with 400W HPS luminaires on 50' poles.

I-294 at 88th Avenue Interchange, Justice: Project Engineer. Project consisted of reconstructing the existing 88th Avenue bridge for the tollway I-294 mainline widening and installing new on-off ramps from the mainline. New ramp and underpass lighting was designed. The existing mainline lighting circuits were modified to accommodate the new ramps which were illuminated by LED luminaries on 50' poles. Existing underpass luminaires were removed and replaced with temporary luminaires during the bridge reconstruction, then proposed LED underpass luminaires installed after bridgework completion. This project dealt with 4 entities: the Illinois Tollway, the Illinois Department of Transportation, Cook County and the Village of Justice.

Chicago Avenue Corridor Improvements, Evanston: Project Engineer. Project assessed the existing conditions of the street lighting system along Chicago Avenue in Evanston and assembled the findings in a lighting evaluation. Project also included preliminary recommendations on improving the existing systems based on City standards. Light meter readings were used to gather existing conditions and preliminary proposed photometrics were designed using AGI 32. There were nine intersections and six roadway cross sections that required photometric calculation. Duties include photometric calculations and creation of contract documents.

Algonquin Road Path, Mount Prospect: Project Engineer. Project includes approximately 8500' of roadway lighting improvements. Project consisted of conducting a study to investigate retrofitting the existing HID street lighting with new LED luminaires and installing new LED street lighting where none existed beforehand. Roadway lighting units were proposed to be 40' tall with village standard LED roadway luminaire. There were three intersections and five roadway calculations that required photometric calculations. Duties included photometric calculations, creation of concept drawings and engineer's cost estimate.

Howard Street Improvements, Niles: Project Engineer. Project included approx. 3,000' of roadway widening and streetscape improvements. Project consisted of 37 new decorative type light poles and 1 new lighting controller. New light poles were 35' tall with 158W decorative pendent type LED luminaires. There were 2 signalized intersections within the project limits, which required photometric calculations. Scope included photometric calculations, electrical design, creation of contract drawings and specifications, summary of quantities, engineer's cost estimate, and new electric service coordination.

151st Street Roundabout, Orland Park: Project Engineer. Project included the proposed lighting design for a new roundabout and revised intersection lighting design. Project consisted of the installation of 19 new light poles and one lighting controller. New light poles were 30' and 40' tall with 98W and 120W cobra head type LED luminaires. Temporary lighting conditions were needed for the intersection to ensure it remained lit throughout the duration of project construction. Project was let by IDOT. Duties included photometric calculations, electrical design, creation of contract drawings and specifications, summary of quantities, engineer's cost estimate, new electric service coordination, and shop drawing review.

Douglas Gotham, RLA, ASLA

Landscape Architect

YEARS EXPERIENCE: 45
YEARS WITH CBBEL: 20

EDUCATION
Bachelor of Science, 1979
Landscape Architecture
University of Wisconsin at Madison

Additional Studies, 2001
Creating Wetland Parks: Environmental Management and Eco-Tourism
Harvard School of Design

Additional Studies, 2001
Water Reuse in Site Design
Harvard School of Design

PROFESSIONAL REGISTRATION
Landscape Architect, IL, 157000575, 1992

PROFESSIONAL AFFILIATIONS
American Society of Landscape Architects

IL Chapter-American Society of Landscape Architects

AWARDS
The Haven, Lindenhurst Park District, IPRA Outstanding Facility Award, 2003

Hunt Club Park, Gurnee Park District, IPRA Outstanding Aquatic Facility Award, 2000
IPRA Outstanding Aquatic Facility Award, National Winner, 2003

Hall Beach, Batavia Park District, IPRA Outstanding Aquatic Facility Award, 1993

Doug is a Senior Landscape Architect with extensive experience in the design of Public Landscape Architecture, working on more than 200 park and recreation projects throughout the Midwest. He has served as a public meeting facilitator, cost estimator, grant writer, project designer and project manager. Several of Doug's projects have received Outstanding Facility Awards from the Illinois Park and Recreation Association.

Software Experience: AutoCAD, Sketchup, Lumion, Photoshop, Illustrator, InDesign, Word, Excel, Power Point

Main Street Master Plan, Village of Cary: Landscape Architect for renovation of downtown Main Street. Prepared concepts and final construction plans and details, including a custom gateway column.

Park Street Streetscape, Village of Lombard: Landscape Architect for planning and design of the Park Street renovation into a shared-use street, including outdoor seating, planters, festival lighting and a custom gateway arch.

Courts Master Plan, Village of Deer Park: Prepared detailed report regarding condition of all sport courts within the community, including recommendations for renovations and reconfigurations.

Cornell Landscape Plan, Village of Huntley: Prepared concept plans for the facilities renovation and prepared final landscape plans.

Elmgrove Park, Village of Elmwood Park: Landscape Architect for development of new neighborhood park. Assisted with OSLAD grant application for acquisition of park site. Prepared construction plans for development. Features include a water spray playground, bag toss, benches and monument sign.

Spring Road Tributary Streambank Restoration, City of Oak Brook Terrace: Prepared landscape plans for restoration of the streambanks using native plants.

Levitt Pond, Village of Bloomingdale: Assisted in preparation of DuPage County Stormwater Grant Application. Prepared design and construction documents for fishing nodes, native shoreline plantings and a deck overlook.

McHenry Streetscape Master Plan, City of McHenry: Prepared master plan for three separate urban centers within the community. Facilitated public planning meetings and created illustrations of proposed improvements.

Stoneybrook Park, Village of Algonquin: Landscape Architect. Assisted in the preparation of OSLAD development grant. Prepared construction plans and details for park improvements, including playground, pickleball courts, half-court basketball, shelter and parking lot.

Oak Brook Bath and Tennis, Village of Oak Brook: Landscape Architect. Assisted in preparation of OSLAD development grant. Prepared construction plans and details for parks improvements, including soccer fields and trails.

Main Street, Village of Algonquin: Landscape Architect. Prepared 3D illustrations for stakeholder evaluation of proposed appearance prior to construction. Provided material options for seat walls, fireplace, and paving. Prepared landscape plan and various site details. Designed fireplace, gateway elements, wayfinding signage, custom arbor, and digital kiosk.

Salt Creek Shoreline Stabilization, Elk Grove Park District: Landscape Architect. Prepared plans and details for stabilization of Salt Creek within Olmsted Park.

Veterans Memorial, City of Crest Hill: Landscape Architect. Prepared concept drawings, construction plans and details.

Metra Permeable Paving Parking Lot, Village of Riverside: Landscape Architect. Prepared concept drawings, construction plans and details.

Lake Street Medians, Village of Bloomingdale: Landscape Architect. Prepared concept drawings, construction plans and details including the design of custom raised planters and a monument sign.

Kevin Hunt

Design Engineer II

YEARS EXPERIENCE: 2
YEARS WITH CBBEL: 2

EDUCATION
Bachelor of Science, 2022
Civil Engineering
Rensselaer Polytechnic Institute

AFFILIATIONS
American Public Works Association

Kevin is a Civil Engineer in the Civil Design Department assisting Project Engineers on design projects, including roadway construction, utility replacement and rehabilitation, water mains, sanitary sewer systems, and parking lot construction. His responsibilities include preparation of construction plans and specifications, construction cost estimates, bid tabulations, construction observation, project reports, and documentation of quantities during construction. Kevin has also assisted the construction department, working as the Resident Engineer on a variety of street programs, water main, and lead service line replacement projects.

Software Experience: MicroStation, Microsoft Office/Excel

2024 Water Main Improvements, Village of Lincolnwood: Design Engineer responsible for preparing plans, special provisions, estimates of probable cost, and contract documents for project that included water main replacements, storm sewer replacement and pavement patching.

2023 Water Main Improvements, City of Zion: Design Engineer responsible for preparing plans, special provisions, estimates of probable cost, and contract documents, as well as coordination with utility companies and local agencies. Project included water main replacements and pavement patching.

2023 AP52 North Parking Lot, Abbott Laboratories: Design Engineer responsible for preparing plans, special provisions, estimates of probable cost, and contract documents, as well as coordination with utility companies. Project downsized the existing parking lot by removing 20% of the parking spaces and creating a green area in its place.

2022 and 2023 Street and Alley Programs, City of Zion: Design Engineer responsible for preparing plans, special provisions, estimates of probable cost, and contract documents, as well as coordination with utility companies and local agencies. Projects included pavement rehabilitation of various types and sewer improvements.

2022 TIF District Program, City of Zion: Design Engineer responsible for preparing plans, special provisions, estimates of probable cost, and contract documents, as well as coordination with utility companies and local agencies. Improvements included HMA rehabilitation of various types applied to a variety of streets and alleys, sewer improvements and water main improvements.

2022 and 2023 Street Programs, Village of Oak Lawn: Design Engineer responsible for preparing plans, special provisions, estimates of probable cost, and contract documents, as well as coordination with utility companies and local agencies. These projects included pavement rehabilitation of various types and sewer improvements.

Municipal Pavement Evaluations: Preparation of village/city-wide street maintenance improvement programs for Deer Park and Highwood. For budgeting, planning, and discussion purposes a typical 15-year pavement maintenance program was developed.

2023 Road Program, Village of Deer Park: Alternate Resident Engineer for road program including HMA resurfacing of various streets and parking lots. Responsibilities included inspector daily reports, measurement and calculations for pay items, and construction documentation.

2023 Stormwater Improvements, Village of Deer Park: Alternate Resident Engineer for stormwater improvements consisting of sewer installation and ditch grading. Responsibilities included inspector daily reports, measurement and calculations for pay items, and construction documentation.

2023 Watermain Improvements, Village of Elmwood Park, Village of Norridge: Resident Engineer for installation of a water main, service reconnections, and lead service replacements. Responsibilities included measurement and calculations for pay items, construction documentation, and coordination between the municipality, contractors, residents, and project manager.

Deer Park Boulevard, Village of Deer Park: Alternate Resident Engineer for improvements including HMA resurfacing and all incidental work necessary to complete the project. Responsibilities included inspector daily reports, measurement and calculations for pay items, and construction documentation.

2021 Green Alley Reconstruction Project, Village of Westchester: Engineering Intern assisting with design of reconstruction of four gravel alleys with permeable pavers and concrete edging for stormwater volume. Responsibilities consisted of preparing plans, specifications, and estimates.

2021 Sewer Lining Program, Village of Westchester: Engineering Intern assisting with design of lining improvements for two sanitary basins and several storm sewer locations. Responsibilities consisted of preparing plans, specifications, and estimates.

Sleepy Hollow Road, Village of Algonquin: Engineering Intern assisting with preparation of plans, specifications and estimates for 1.25 miles of roadway, including full curb and gutter and replacement and additional improvements to sidewalks and bike paths.

2021 Water Main Replacement, City of Zion: Engineering Intern assisting with preparation of plans, specifications, and estimates for construction of new water mains.

Clark Street Streetscape (Devon to Arthur), Chicago Department of Transportation: Program consists of resurfacing roadway, removal and replacement of curb and gutter, sidewalks, and ADA ramps, and was followed by patching and resurfacing. Project included partial sidewalk and curb and gutter removal and replacement, as well as replacement of damaged drainage structures.

Route 137 Water Main Improvements, City Zion: Engineering Intern assisting with preparation of plans, specifications, and estimates for improvements to water mains along Sheridan Road.

IEMA Rockton Chemtool Damage Assessment: Engineering Intern in charge of CBBEL team which traveled to Rockton, IL to assist in a damage assessment, following explosion of Chemtool plant in July 2021. Team visited more than 1,000 homes and offices in the surrounding area to survey the residents and help IEMA determine whether the disaster would qualify for federal relief money from FEMA. Responsible for organizing teams, coordinating with IEMA personnel, and collecting surveys from residents and businesses.

MWRD Green Infrastructure Grants, Village of Harwood Heights, Village of Westchester: Engineering Intern assisting with design of reconstruction of alleys with permeable pavers and concrete edging for stormwater volume and garbage truck traffic. Responsibilities consisted of preparing plans, specifications, and estimates, as well as assisting Villages with grant applications.

John Murphy, PE, PLS

Vice President, Head, Survey Department

YEARS EXPERIENCE: 39
YEARS WITH CBBEL: 26

EDUCATION
Bachelor of Science, 1987
Civil Engineering
Wentworth Institute of Technology

PROFESSIONAL REGISTRATION
Professional Land Surveyor, IL, 035003421, 2001

Professional Land Surveyor, IN, 20400062, 2004

Professional Land Surveyor, MA, 40040, 1997

Professional Land Surveyor, WI, 2548-8, 2000

Professional Engineer, MA, 41050, 1999

Professional Engineer, IL, 062.061506, 2009

PROFESSIONAL AFFILIATIONS
NSPS-ACSM Survey Technician Certification Program

Illinois Professional Land Surveyors Association

Indiana Society of Professional Land Surveyors

Wisconsin Society of Land Surveyors

Professional Engineer and Land Surveyor accountable for managing office and field survey personnel. Responsibilities include establishment and maintenance of survey procedures; budgets and contract preparation; logistical planning and research; and supervision of staff and calculations of survey data.

PROFESSIONAL LAND SURVEYING

ALTA/ACSM Land Title Surveys
The preparation of "ALTA/ACSM Land Title Survey" that meet the current accuracy standards jointly adopted by ALTA, ACSM and NSPS. For purposes of Title Insurance Companies to insure title to land without exceptions as to the many matters which might be evidenced by public records. Some projects include:

- Major General Emmett J. Bean Center, Lawrence, IN
- Prairie Holdings Corporation, Grayslake
- Hyatt, Lisle
- Hyatt, Deerfield
- Hyatt, Rosemont
- AAOS Building, Rosemont
- Fashion Outlets of Chicago, Rosemont

Plat of Annexation
The preparation of "Plat of Annexation" suitable for a municipality to annex land that is contiguous to their municipality. Some municipalities prepared for include:

- Crestwood
- Elk Grove Village
- Flossmoor
- Franklin Park
- Hawthorn Woods
- Roselle
- Woodridge

Tax Increment Financing (TIF) Districts
The preparation of a written legal description and at times a plat depicting an area of a municipality designated for Tax Increment Financing (TIF) District. Some municipalities prepared for include:

- Forest Park
- Franklin Park
- Glendale Heights
- Highwood
- Melrose Park
- Monee
- Posen
- Richton Park
- River Forest
- Roselle
- Rosemont
- Skokie
- South Chicago Heights
- Shorewood
- Steger

Plat of Vacation
The preparation of a "Plat of Vacation" suitable for a municipality to vacate pubic streets, alleys or easements. Some municipalities prepared for include:

- Chicago Ridge
- Grayslake
- Hawthorn Woods
- Rosemont

LAND SURVEYING SERVICES

Algonquin Road Bike Path and Sidewalk Improvements, Mount Prospect: Provided plats and legals for construction easements for the preliminary design of an eight-foot asphalt path, which will be constructed on the north side of Algonquin Road and replace/supplement existing segments of five-foot concrete sidewalk. Five-foot concrete sidewalk will be constructed on the south side of Algonquin Road, supplementing existing segments of sidewalk.

Sheridan Road/Chicago Avenue Improvement Project, Evanston: Prepared topographic and right-of-way verification survey on Sheridan Road/Chicago Avenue cycle track to complete the protected bikeway corridor on Church and Davis Streets to Sheridan Road via Chicago Avenue. This process included verifying elevations for Evanston's Benchmark System, topographic survey of 2 miles ± of Sheridan Road/Chicago Avenue. Establish project right-of-way based on existing right-of-way monuments and existing maps, research records and quality control of collected data.

Alley Paving Program, Evanston: Performed topographic/right-of-way survey on various alley improvement sites referenced to the City of Evanston's survey monument system. Assisted with establishment of monumented alley ROW centerline alignment and final submittal of topographic survey plan and profile sheets.

2222 Oakton Street, Evanston: Performed field crew coordination, documents and plats research, boundary analysis, computations and final preparation of a plat of survey for two lots owned by the City of Evanston. Post boundary survey prepared two lot re-subdivision for the city for future development.

Garnett Place and Alley Survey, Evanston: Performed documents and plats research, ROW and property line analysis and computations and final preparation of existing ROW, property lines and base line exhibit. Also, right-of-way centerline alignment and final submittal of topographic survey plan and profile sheets.

Chicago Water Partners (1999-2019): CBBEL is currently retained by the City of Chicago to provide topographic survey and base drawings production for over 100 miles of water main replacement projects affecting more than 300 City streets. CBBEL is responsible for the completion of base map design plans according to Chicago Department of Water Standards. We also coordinate our MBE and WBE subconsultants for each project to ensure adherence to said standards and timely completion of projects. It is necessary to base all data on IL East State Plane Coordinates NAD'83 to conform to City of Chicago GIS Applications, compute all ROW retracement, review final plans, and submit finished product packages to Chicago Water Partners. This project has also encompassed a generation of base maps for the client's use with the ADA special ramp design and construction projects maintaining CDOT Standards.

I-90, Elgin Tollbooth to US Route 20, Illinois Tollway: Survey Manager for design and roadway reconstruction. The existing roadway will be widened both east and west bound directions. Surveying responsibilities included creation of a signed and sealed "Plat of Highway" for acquisition of ROW and easements along project corridor per Tollway/IDOT Standards. Required document research for the reestablishment of ROW lines, parcel lines and section lines along the project, and coordination of field crews for field survey and recon to obtain existing field evidence of existing boundary lines and ROW; calculation and analysis of data to determine existing boundaries and ROW; and coordination of drafting of the "Plat of Highway" along with the writing of legal descriptions for various easements to be acquired for project. Along with existing conditions survey of the project corridor, including stream surveys and cross sections every 100'.

I-294 Balmoral Off Ramp, Illinois Tollway, Rosemont: Survey Manager for design and roadway construction. The new ramp is a northbound only exit ramp leading into Rosemont. Surveying responsibilities included creation of signed and sealed "Plats of Acquisitions" for acquisition of ROW and easements along project corridor per Cook County DOT Standards. Required document research for the reestablishment of ROW lines, parcel lines and section lines along the project, and coordination of field crews for field survey and recon to obtain existing field evidence of existing boundary lines and ROW; calculation and analysis of data to determine existing boundaries and ROW; and coordination of drafting of the "Plat of Highway" along with the writing of legal descriptions for various easements to be acquired for project. Also the field surveying of an Existing Conditions survey of the project corridor.

GIS, Rolling Meadows: Project Manager for updating and augmenting the City's existing GIS Base Map address and street databases. City's original data was 5 years old and work entailed the addition of recently added subdivisions and commercial property, along with adding and naming of all private streets. Performed an overall QA/QC of existing data to bring it up to date and match existing databases within Public Works, Police and Fire Departments, and Community Development. Also, for the Public Works Department: established a City-wide base map to be used by all levels of government including design of street and address maps; updating and design of digital storm, sanitary and water utility maps for use in City's GIS; coordination of workstation setup and installation with single license of ArcView and Arc Reader; and for Police and Fire Departments: assisted in the design and creation of the City's 911 response street and address databases.

GIS, Glendale Heights: Project Manager for preparation of GIS Base Maps and Utility Atlases. The Village wanted to set up Village-Wide Base Maps for use in coordination of operations involving underground utilities. Utilized the current Village atlases, although outdated, to expedite the start-up. Created a base map in Phase I comprised of information obtained from DuPage County GIS Department. Performed QA/QC to make the data consistent with the existing Village address and street maps. Also "rubber sheeted" the existing atlas information for all utilities onto the base sheets in data compatible with ESRI's ArcView 9.0 software. In Phase II, created a pilot program for atlases for the water, sanitary and storm infrastructure. Utility atlases for two quarter sections were developed based on field observations with the use of GPS and conventional surveying methods. Standard GPS and handheld GPS methodologies were compared based on cost, accuracy, and Village utility. Both methods still required field crews to collect pipe sizes and inverts. Our field crews surveyed the locations of all storm, sanitary and water structures for two of the quarter sections. Separate atlases were completed for each utility. CBBEL assisted the Village in setting up computers for use with the software and GIS database.

GIS, Huntley: Project Manager for preparation of GIS Base Maps and Utility Atlases. The Village is in the process of setting up Village-Wide Base Maps for use in coordination of operations involving underground utilities. Utilized the current Village atlases, although outdated, to expedite the start-up. Created base maps comprised of information obtained from the McHenry and Kane County GIS Department. Performed QA/QC to make the data consistent with the existing Village address and street maps. CBBEL created atlases for the water, sanitary and storm infrastructure. Utility atlases are being developed based on field observations with the use of GPS and conventional surveying methods. Our field crews surveyed the locations of all storm, sanitary and water structures for two of the quarter sections. Separate atlases were completed for each utility. CBBEL assisted the Village in setting up computers for use with the software and GIS database.

Travis Parry, PE, CFM, CPMSM, CPSWQ

Senior Water Resources Project Manager

YEARS EXPERIENCE: 24
YEARS WITH CBBEL: 23

EDUCATION
Master of Science, 2001
Civil Engineering
Southern Illinois University

Bachelor of Science, 1999
Civil Engineering
Southern Illinois University

PROFESSIONAL REGISTRATION
Professional Engineer, IL,
062.065596, 2013

CERTIFICATIONS
Certified Floodplain Manager,
IAFSM

Certified Professional in
Municipal Stormwater Mgt.,
EnviroCert International, Inc.

Certified Professional
in Stormwater Quality,
EnviroCert International, Inc.

PUBLICATIONS
"Reservoir Management for Flood Control Using Simulated Annealing", Proceedings of the 2002 Conference of the Environmental and Water Resources Institute, ASCE. T. Parry and J. Nicklow, Roanoke, VA, May 19-22, 2002.

"Application of Simulated Annealing for Optimal Flood Control in Multi-Reservoir River Networks", Master's Thesis, Southern Illinois University. Carbondale, IL 2001.

PROFESSIONAL AFFILIATIONS
American Society of
Civil Engineers
Environmental Engineering
and Water Resource
(EE&WR) Technical Group

Illinois Association for
Floodplain and
Stormwater Management

Travis is responsible for water resources engineering studies and proposals that include floodplain/floodway delineation studies and permitting, stormwater management studies and permitting, flood control project feasibility and design studies, engineering review services and all phases of the National Pollution Discharge Elimination System-Phase II (NPDES-Phase II) permitting, and engineering review.

Computer modeling skills include: HEC-RAS, HEC-HMS, WSP-2, XP-SWMM, TR-20, TR-55, FLDWAV, DAMBRK, DWOPER, HEC-1, HEC-2, Hydra-flow, WMS, and HY-8.

Illicit Discharge Detection and Elimination Program, Hanover Park: Project Manager/Engineer responsible for all aspects. Developed an Illicit Discharge Detection and Elimination (IDDE) program to meet the requirements of the NPDES. General NPDES Permit for Discharges from Small Separate Storm Sewer Systems. The IDDE program development consisted of inspection of all outfalls located in the Cook County portion of the Village for physical indicators of pollution, sampling and testing of potential contaminants, preparation of policies and procedures for identifying, tracing and eliminating illicit discharges, and a comprehensive final report.

Midas Automotive Illicit Discharge, Glendale Heights: Project Manager/Engineer responsible for all aspects. Assisted the Village with managing, monitoring, and coordinating the efforts required to maintain compliance with the Village's General NPDES Permit following the illicit discharge of contaminants to the Village's Municipal Separate Storm Sewer System (MS4) from the Midas Automotive facility. On-site activities included assistance with tracing procedures, inspection of the automotive facility and impacted areas including storm sewers, open channels, and detention basins, monitoring of environmental contractor and meetings with the IEPA and other stakeholders. Other activities included extensive coordination and preparation of a comprehensive final report of the incident.

Park Ridge Flood Study: Project Manager responsible for management of stormwater studies, hydraulic and hydrologic modeling, public presentations, and conceptual design of proposed drainage improvement projects. The City experienced severe, citywide flooding as a result of the September 2008 storm event. The 6 most impacted areas were identified, the flooding causes determined and drainage improvements developed to reduce the risk of future flooding events. The results of the flood study, along with conceptual level exhibits and cost estimates, were summarized, prioritized and presented to the City Council. IDNR-OWR Dam Safety Permitting and Design.

Grasslands Regional Flood Control Facility, Orland Park: Project Engineer responsible for the hydraulic and hydrologic modeling and calculations necessary to meet IDNR-OWR Dam Safety permitting requirements. The modeling included HEC-1 dam beach analysis and HEC-RAS floodwave routing. The Grasslands Flood Control Facility was designed to accommodate the detention required for future development of nearly 50 acres of farmland and provide 100-year level flood protection for downstream residential development that has been subjected to severe flooding on several occasions.

NPDES-Phase II: Provided comprehensive development of the NOI and Yearly Reports necessary for more than 15 governmental clients to remain in compliance with NPDES Phase II requirements. Services included coordination with staff to determine current activities applicable towards the NPDES Phase II requirements, ordinance review for compliance with NPDES Phase II standards, provided technical assistance in determining appropriate BMP's for implementation and subsequent attainable measurable goals, assisted with development of procedures for reporting, tracking and investigating illicit discharges, developed maintenance and inspection forms for documentation of routine inspections and maintenance activities, development of storm sewer atlas, preparation of educational materials to be distributed to the public, participated in countywide Qualifying Local Program meetings and input sessions, and developed comprehensive Stormwater Management Program Plans (SMPP) tailored to each MS4's NPDES program.

Doctor Marsh Wetland Complex, Orland Park: Project Manager responsible for the development of stormwater management and wetland enhancement applications. Proposed improvements include wetland and upland restoration, wildlife enhancements, and filling portions of a man made channel. The Doctor Marsh is an existing wetland complex that has been degraded by channelization of Spring Creek and an abundance of invasive species. The Village is developing an intensive and comprehensive plan to restore the area with native vegetation and provide habitat to wildlife, as well as allow access to their residents through a series of paths and other amenities that will tie into the Village's overall path system.

Benet Athletic Complex, Benet Academy, Lisle: Project Manager responsible for stormwater management analysis and local permitting requirements for development of a 10-acre agricultural site into an athletic field complex. Proposed deign included the use of a porous asphalt parking lot to meet local BMP and detention requirements. Seeking to expand both its parking and athletic practice facilities, Benet Academy purchased and developed a 10-acre parcel just east of the main campus. The development consisted of multiple sporting venues including soccer and softball fields, tennis courts, a parking lot and detention facilities.

Windsor Drive Storm Sewer Improvements, Orland Park: Developed and calibrated an XP-SWMM hydrologic and hydraulic model for a 230-acre watershed that experienced severe flooding in summer of 2003. The model was calibrated to observe watermarks and the design storm event was based on historical rain data. Using the model, several flood control alternatives were evaluated and a stormwater conveyance system was designed to provide an increased level of protection for residents in the Windsor Drive area.

Westwood Drive Storm Sewer Improvements, Orland Park: Developed and calibrated an XP-SWMM hydrologic and hydraulic model for a 220-acre watershed that experienced severe flooding in summer of 2003. The model was calibrated to observe watermarks and the design storm event was based on historical rain data. Using the model, several flood control alternatives were evaluated and a stormwater conveyance system was designed to provide an increased level of protection for residents in the Westwood Drive area.

Old Orland Storm Sewer Improvements, Orland Park: Developed and calibrated an XP-SWMM hydrologic and hydraulic model for a 30-acre watershed that experienced severe flooding in summer of 2003. The model was calibrated to observe watermarks and the design storm event was based on historical rain data. Using the model, several flood control alternatives were evaluated and a stormwater conveyance system was designed to provide an increased level of protection for residents in the Old Orland area.

Maycliff Storm Sewer Improvements, Orland Park: Developed and calibrated an XP-SWMM hydrologic and hydraulic model for a 290-acre watershed that experienced severe flooding in summer of 2003. The model was calibrated to observe watermarks and the design storm event was based on historical rain data. Using the model, several flood control alternatives were evaluated and a stormwater conveyance system was designed to provide an increased level of protection for residents in the Maycliff area.

Flood Risk Reduction Assessment, Orland Park: Performed a flood risk reduction assessment as a result of severe flooding that occurred in July 2003. The study determined the extent of the flood damage through site visits to the impacted areas and close interaction with residents. Based on the findings, possible causes for the flooding and potential solutions to reduce the risk of future flooding were developed and provided along with conceptual cost estimates. Provided recommended changes to their Village Code, Land Development Code, and engineering review procedures to reduce the risk of future flooding throughout the Village.

Grasslands Detention Basin, Orland Park: Performed a stormwater detention analysis using TR-20 hydrologic model for a future development to provide stormwater management and flood control for Grasslands Subdivision that experienced severe flooding in July 2003 as a result of undetained off-site stormwater. Design of the off-site detention basin incorporated the future development of 47 acres of off-site property and a reduced release rate to provide additional downstream protection.

Plymouth Place, LaGrange Park: Performed a stormwater detention analysis for a 19-acre redevelopment based on requirements of MWRDGC. The design increased the amount of on-site detention to provide additional downstream protection and significantly reduced the amount of stormwater runoff draining to the Village's combined sewer system.

Ashford Court Storm Sewer Improvements, Orland Park: Developed a Hydra-flow model to evaluate flood control alternatives based on historical rain data for the 30-acre watershed. The alternatives analyzed allowed a stormwater conveyance system to be designed to reduce the risk of future flooding in the Ashford Court area.

Creekside Storm Sewer Improvements, Orland Park: Developed a Hydra-flow model to evaluate flood control alternatives based on historical rain data for the 30-acre watershed. The alternatives analyzed allowed a stormwater conveyance system to be designed to reduce the risk of future flooding in the Creekside Storm Sewer Improvement area.

Lynnsway Subdivision, Cedar Lake, IN: Performed a stormwater detention analysis for 110-acre residential development based on the Stormwater Management Ordinance of the Town of Cedar Lake. The analysis used the TR-20 hydrologic model to design and size the proposed detention basins. The design also included an off-site tributary analysis and an HY-8 analysis for the proposed culvert crossing.

Shorewood Road Reconstruction, Grayslake: Performed Phase I and Phase II stormwater management analysis and storm sewer design for reconstruction of Shorewood Rd based on the Lake County Watershed Development Ordinance. Project included non-riverine floodplain and significant amounts of wetland areas. Modeling for the analysis included TR-20 and Hydra-flow.

Schaumburg Road Channel Enclosure, Schaumburg: Performed a preliminary stormwater analysis using a HEC-1 hydrologic model to design and size a storm sewer system capable of conveying the design storm of the pre-existing channel after enclosure without impacting upstream properties.

Stearns Road Corridor, Kane County: Performed a preliminary stormwater detention analysis using the TR-20 hydrologic model to design and size the proposed detention basins.

Brewster Creek Wetland Restoration, DuPage County: Performed a HEC-HMS hydrologic and HEC-RAS hydraulic analysis, as well as existing and proposed hydroperiod analysis, for the 55-acre wetland restoration project in support of DuPage County Stormwater Management Permit.

The Reserve Subdivision, Elgin: Performed the stormwater management analysis and compensatory storage design for the 44-acre development containing significant wetland and floodplain areas based on the existing and proposed TR-20 hydrologic and HEC-RAS hydraulic models. The analysis was prepared and submitted in support of a DuPage County Stormwater Management Permit.

Volo Residential Development: Performed a complete hydrologic and hydraulic analysis for the 167-acre residential development that contained significant amounts of depressional storage and wetland areas, as well as large off-site flows and Zone A Floodplain. The analysis included TR-20 and HEC-RAS modeling in support of a Lake County Watershed Development Permit.

The Morton Arboretum Stormwater Management Permits: Assisted with preparation of wetland, riparian, stormwater and floodplain submittals for DuPage County Stormwater Management Permits for projects within The Morton Arboretum. These projects included the Arbor Court and Maze Garden and P-19 Parking Lot Expansion.

Village of Orland Park: As a consultant to the Director of Engineering, reviewed stormwater submittals of selected projects for compliance with the Village Land Development Code.

Village of Willowbrook: As a consultant to the Village, reviewed stormwater submittals of selected projects for compliance with the Village Ordinance and the DuPage County Countywide Stormwater and Floodplain Ordinance.

Lake County Surveyor's Office, IN: As a consultant to the LCSO, reviewed permit applications for compliance with the Stormwater Management and Sediment Control Ordinance.

Experience:

5 Years with TRIA Architecture
16 Years with Other

Education:

Bachelor of Arts and Architecture, 1998,
University of Illinois at Chicago

Affiliations:

American Public Works Association (APWA)

International Institute of Building Enclosure Consultants (IIBEC)

Illinois City/County Management Association (ILCMA)

Capital Development Board (CDB)

Will County Governmental League (WCGL)

Illinois Association of Park Districts (IAPD)

Community Involvement:

Former Soccer Coach at St. Charles East High School and West Chicago High School

Jorge Ortiz

Project Manager

Working as an architect for over twenty one years, Jorge has a wide range of experience working on various project including renovations, additions, and new buildings. Putting the client's needs first he is always readily available as project manager to assist with any issues that may arise throughout a project. Under supervision of the project principal, Jorge provides constant coordination with in-house staff throughout the life cycle of a project.

Highlighted Projects

Village of Homer Glen

- New Village Hall and Community Center
- Heritage Park - Master Plan
- Heritage Park - Active Core

City of Palos Heights

- City Hall Renovations

Village of Lemont

- Building Department and Finance Renovations
- Village Hall Renovations

Midlothian School District 143

- Library Renovations

Village of New Lenox

- New Metra Train Station

City of Palos Hills

- New Public Works Facility

Village of Shorewood

- Public Works Facility - Space Needs Analysis
- New Public Works Facility

City of Lockport

- Public Works Addition

City of Rolling Meadows - Fire Station 16 Rendering

"The project was a great success... It was very easy to work with TRIA and they are very responsive and accommodating."

Mr. Steven Rockey
Village Manager (Ret.)
City of Rolling Meadows

TAB 4
TECHNICAL PROPOSAL

TECHNICAL APPROACH

We understand that the Village of Orland Park Recreation and Parks Department desires to develop the Doogan Park property. The Village noted recent improvements to Schussler Park and Centennial Park as samples of project success. Improvements are to be generally in line with the Concept Plan (Exhibit B), but the Village is also eager to consider potential enhancements and modifications to further improve the project. On that note, we have provided an alternate concept sketch for the Village's consideration. We believe that the current configuration poses some challenges with the interface of the baseball field and the soccer field, along with existing conflicts with light pole locations and the fields/sled hill. The alternate layout addresses those issues. If selected, we would envision a discussion of the alternate concept with Village Staff to determine the best use of the park space.

The Concept Plan has a myriad of amenities and facilities shown on the exhibit and as noted below:

- Retaining and integrating the existing tennis courts into the overall court complex
- Converting the ½ basketball court into two pickleball courts separated by 4' fences, each with separate entrances and an 8' fence, with windscreen around the courts
- Adding 8 pickleball courts with 4' fencing between courts, each with separate entrances including an 8' fence, with wind screen around the court
- Adding a 30' x 40' shelter with two unisex restrooms, with wall mounted drinking fountain, adjacent to the pickleball/tennis courts
- Converting the baseball field to a 60' baseline field, including backstop and dugouts
- Renovating the existing bocce ball court and adding 1 additional bocce ball court
- Incorporating a gathering area, partially shaded, near/adjacent to the pickleball/tennis pavilion
- Expanded and improved parking lots
- A sledding hill in the south end of the property outside any athletic areas
- A full size 360' x 210' soccer field
  - o Soccer field shall be designed for both artificial turf and natural grass. Both material options shall be bid out and the Village will ultimately decide which surface is used based on submissions received.
- A 20' x 20' pavilion adjacent to new playground
- Playground (size/type TBD) with play surfacing
- Incorporate planting improvements, turf and grass which enhance the overall site
- Light poles, fixtures, and electrical plans to provide lights to the pickleball courts, tennis courts, pavilion, and restrooms
- Site furnishings including benches, picnic tables, pickleball and tennis nets, basketball post, rim and netting, portable bleachers, soccer goals and baseball bases
- The park development will not impact the existing pavilion, oak trees, or Frisbee golf course along the park's south border. Existing asphalt paths will remain intact and should only be amended to accommodate the new park.

Project Spotlight

CBBEL is currently addressing drainage issues in two locations within the Village of Orland Park: Caro Vista and Highland. The project involves verifying preliminary analyses, updating or completing designs, and constructing the proposed improvements.

CARO VISTA STORMWATER IMPROVEMENTS

Scope: Installation of 15" and 21" HDPE storm sewer using directional bore method.

Details: The new storm sewer will outlet directly into the existing pond, bypassing the current sewer system.

Key Consideration: Effective coordination with adjacent homeowners is crucial for project success.

HIGHLAND AVENUE STORMWATER IMPROVEMENTS

Scope: Connection to a deeper outlet, specifically a 60" storm sewer at Raneys Lane and 147th Street.

Details: This connection allows for proper slope and cover for the 15" storm sewer and relieves the backpitched 24" storm sewer.

Key Consideration: Installation of a cased storm sewer under the Norfolk and Western Railroad requires their permission, which will influence the project schedule.

These improvements aim to enhance drainage efficiency and mitigate flooding risks in the specified areas.

From our site visit and review of the provided exhibit and goals we offer the following items for consideration:

- If desired, we could coordinate with ComEd to underground their poles/aerial wires within the Frisbee Golf Course

- Recommend investigating and potentially adjusting the existing drainage structures that are several feet above grade level. Alternatively, if lowering is not feasible, or financially impractical, could consider creating a berm to raise the ground to match existing height.
- The Project Details states that Frisbee Golf Course is not to be impacted by the project, however the sled hill overlaps with hole #9. A couple of options exist, one being to leave the hole in the same location and incorporate the hill into the course. Another option is to relocate hole #9.
- The proposed sled hill conflicts with the existing light pole. Recommend considering shifting the sled hill to the west to avoid potential safety issues. Alternatively, the lighting could be relocated.
- As mentioned previously, we would like to discuss modifying the site layout to best utilize the space. Interface of soccer and baseball fields would be the driving discussion point.

DRAINAGE

Christopher B. Burke Engineering, Ltd. (CBBEL) has a longstanding relationship with the Village of Orland Park. We are extremely familiar with the Village's drainage issues and systems. In fact, we are currently performing a drainage improvement project immediately north of the park that will outlet into the storm sewer on 147th Street and Raneys Lane. Additionally, CBBEL has evaluated the majority of the McGinnis Slough watershed, which drains and outlets into Mill Creek, and partnered with the Village to design and implement several large-scale stormwater projects that significantly reduced flooding in several Village neighborhoods. CBBEL will utilize their intricate knowledge and vast experience with the Village stormwater management system to meet the goals of the proposed project while providing staff with opportunities for system upgrades and/or improvements as the analysis dictates.

TURF FIELD

We have designed and installed numerous artificial turf fields throughout the Chicagoland area. On a recent project in Elmhurst, we incorporated drainage improvements into turf field improvements by installing an underground storage system and covering it with artificial turf.

LIGHTING

The existing lighting system for the baseball and soccer fields is Musco. Assuming the Village wants to expand on the existing system, it is important to note that our Electrical Department has worked well with Musco on past projects. In addition to creating electrical design plans and details, photometrics calculations will be performed for all areas to be lighted to verify they meet the recommended values per the Illuminated Engineering Society (IES). A new electric service and distributions/control panels will be included in the design. We assume that the lighting equipment will be sole source designed around a single manufacturer/model and will not be open specified. We will coordinate the preferred lighting equipment with the Village prior to starting design.

Additional lighting work: We recommend revising and upgrading the existing Musco baseball and soccer field lighting to LED. There are a couple of poles in locations that a person could run into (one at the base of the proposed sledding hill and one very close to the SW corner of the proposed soccer field). Also, there is not an existing light pole to properly illuminate the baseball right outfield and the NE portion of the soccer field.

SPORTS FIELDS AND AMENITIES

We understand that the Village is receiving Open Space Land Acquisition and Development (OSLAD) grant funding in the amount of $600,000. Therefore, the project must meet and adhere to the grant requirements. All other project funding is local. The Village desires a Q1 2025 bid and substantial completion of construction in 2025. CBBEL is well versed in both OSLAD grants and the Village bidding process and will be able to meet these goals.

With the addition of ten pickleball courts and an adult soccer field Doogan Park will serve the Village with community wide functions as well as neighborhood functions.

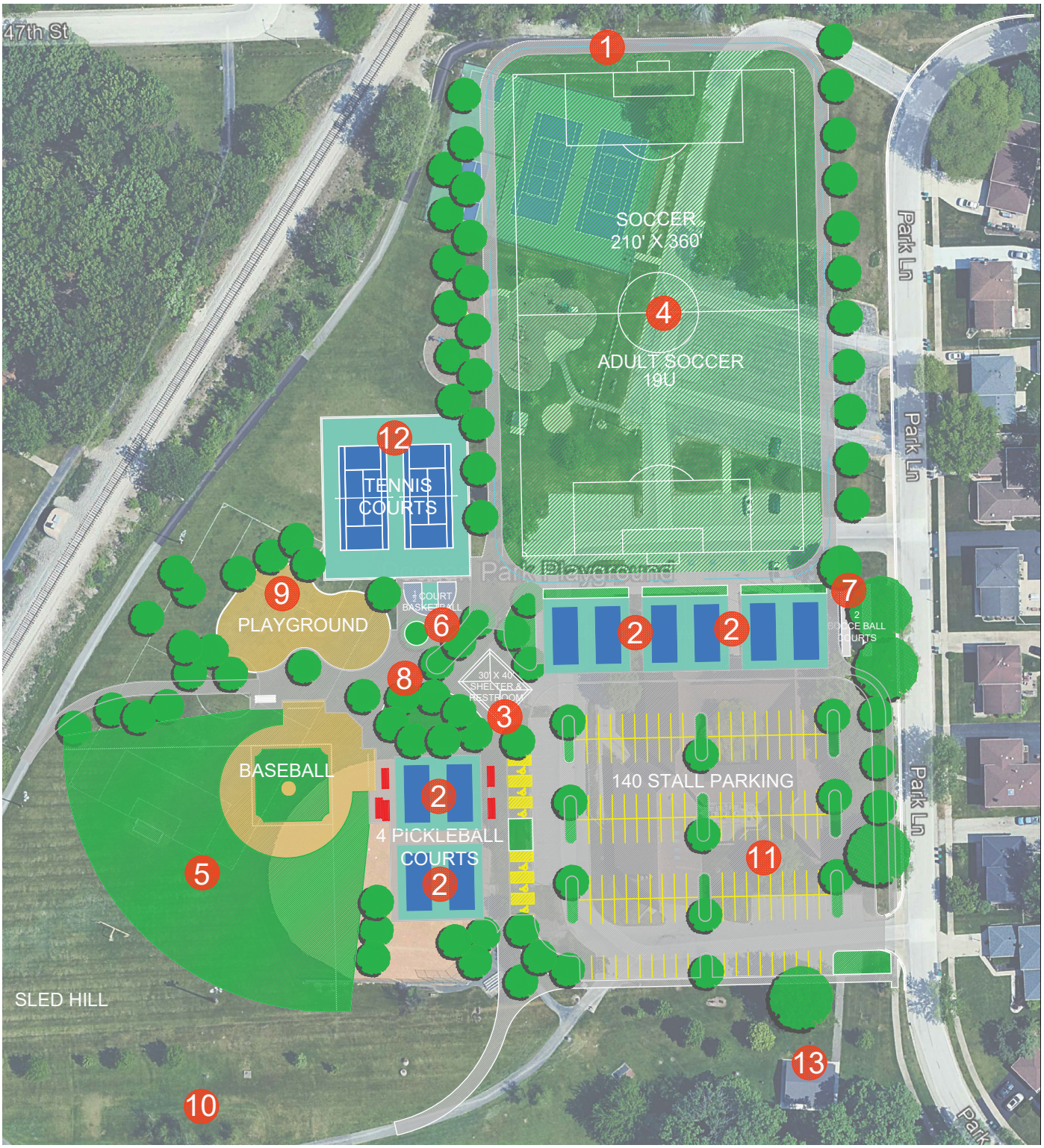
CBBEL has been designing and developing construction documents for park and recreation facilities for over 25 years. We feel that the success of any of these projects is in our understanding of how the athletic and recreational facilities are used. For example, the development of a natural grass soccer field must include enhancements to the surface soil and corresponding drainage. The key element to a baseball field is the selection of the infield mix. Today it is imperative to design and detail playgrounds to be accessible and inclusive for all. The understanding of the maintenance and security of these facilities must be an important consideration to their construction.

IRRIGATION SYSTEM

CBBEL's Mechanical Department has designed irrigation systems for numerous projects and clients within the Chicagoland area. Having an in-house design for irrigation will help us streamline the process.

COLLEGE VIEW STORMWATER IMPROVEMENTS, CITY OF ELMHURST

CBBEL'S CONCEPT PLAN FOR DOOGAN PARK



1 ASPHALT TRAIL WITH 1/4 MILE FITNESS LOOP

2 PICKLE BALL COURTS (10 WITH 2 CHAMPIONSHIP COURTS)

3 30' X 40' SHELTER WITH RESTROOMS

4 360' X 210' SOCCER FIELD

5 60' BASELINE BASEBALL FIELD

6 1/2 COURT BASKETBALL

7 2 BOCCE BALL COURTS

8 PLAZA / GATHERING AREA

9 PLAYGROUND (7,300 SF)

10 SLED HILL

11 PARKING LOT

12 TENNIS COURTS

13 EXISTING SHELTER

TAB 5
COST PROPOSAL

VILLAGE OF ORLAND PARK
Doogan Park Design
WORK EFFORT AND FEE STRUCTURE

Base

Classification	Engineer				Survey					CAD Manager	Sub	Total Hours	Total Cost
	V	IV	III	I/II	V	IV	III	II	I				
Rate ($/hr)	$235.00	$200.00	$175.00	$155.00	$240.00	$220.00	$200.00	$160.00	$135.00	$210.00	$1.00		
Phase II - Design Engineering													
Task 1A - Topographic Survey					4	4	8	45	45	20		126	$ 20,915.00
Task 1B - JULIE Utility Coordination							6					6	$ 1,200.00
Task 2 - Site Layout Alternates	12	12		24								48	$ 8,940.00
Task 3 - Stormwater Analysis		16		40								56	$ 9,400.00
Task 4 - Lighting Design	62		85	93								240	$ 43,860.00
Task 5 - Detailed Design	40	60	160	240								500	$ 86,600.00
Task 6 - Irrigation Design		40		40								80	$ 14,200.00
Task 7 - Utility Coordination			12	24								36	$ 5,820.00
Task 8 - Shelter and Restroom Design											22000	0	$ 22,000.00
Task 9 - Geotechnical Investigation											20000	0	$ 20,000.00
Task 10 - QC /QA	12	16										28	$ 6,020.00
Task 11 - Grant Coordination, Project Management	40		40									80	$ 16,400.00
Task 12 - Bidding Assistance	4		12	24								40	$ 6,760.00
												Subtotal Cost =	**$ 262,115.00**
Subtotals	170	144	309	485	4	4	14	45	45	20		1240	
Percentage of Hours	13.7%	11.6%	24.9%	39.1%	0.3%	0.3%	1.1%	3.6%	3.6%	1.6%		100.0%	
Total Personnel Cost	$39,950.00	$28,800.00	$54,075.00	$75,175.00	$960.00	$880.00	$2,800.00	$7,200.00	$6,075.00	$4,200.00	$20,000.00	**Running Cost =**	**$ 262,115.00**
												Direct Cost =	**$ 1,000.00**
												TOTAL COST =	**$ 263,115.00**

Alternate

Alternate Task A - Additional Lighting	31		27	18								76	$ 14,800.00
												ALT COST =	**$ 14,800.00**

TOTAL (BASE + ALT)	$ 277,915.00

TAB 6
REQUIRED FORMS

ORLAND PARK

INSURANCE REQUIREMENTS

Please sign and provide a policy Specimen Certificate of Insurance showing current coverages.

*If awarded the contract, all Required Policy Endorsements noted in the left column in **red bold** type MUST be provided.*

Standard Insurance Requirements	Please provide the following coverage if box is checked.
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. Applicable for All Company Vehicles. **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:** *(Not applicable for Goods Only Purchases)* • **ISO CG 20 10 or CG 20 26 (or Equivalent)** Commercial General Liability Coverage • **CG 20 01 Primary & Non-Contributory (or Equivalent)** The Village must be named as the Primary Non-Contributory which makes the Village a priority and collects off the policy prior to any other claimants. • **Blanket General Liability Waiver of Subrogation - Village of Orland Park** A provision that prohibits an insurer from pursing a third party to recover damages for covered loses.	**LIABILITY UMBRELLA** (Follow Form Policy) ☐ $1,000,000 – Each Occurrence $1,000,000 – Aggregate ☑ $2,000,000 – Each Occurrence $2,000,000 – Aggregate ☐ Other: _____ EXCESS MUST COVER: General Liability, Automobile Liability, Employers' Liability **PROFESSIONAL LIABILITY** ☐ $1,000,000 Limit – Claims Made Form, Indicate Retroactive Date ☑ $2,000,000 Limit – Claims Made Form, Indicate Retroactive Date ☐ Other: _____ 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 ☐ **CG 20 37 ADDITIONAL INSURED** – Completed Operations (Provide only if box is checked)

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, 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 THIS 4th DAY OF September, 2024

Michael Kerr Digitally signed by Michael Kerr
Date: 2024.09.04 13:35:54 -05'00'

Signature

Authorized to execute agreements for:

Michael Kerr, President

Printed Name & Title

Christopher B. Burke Engineering, Ltd.

Name of Company

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS – SCHEDULED PERSON OR ORGANIZATION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s)	Location(s) Of Covered Operations
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.	

A. **Section II – Who Is An Insured** is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by:

1. Your acts or omissions; or
2. The acts or omissions of those acting on your behalf;

in the performance of your ongoing operations for the additional insured(s) at the location(s) designated above.

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

B. With respect to the insurance afforded to these additional insureds, the following additional exclusions apply:

This insurance does not apply to "bodily injury" or "property damage" occurring after:

1. All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or
2. That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

C. With respect to the insurance afforded to these additional insureds, the following is added to **Section III – Limits Of Insurance:**

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or

2. Available under the applicable Limits of Insurance shown in the Declarations;

whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

POLICY NUMBER:

COMMERCIAL GENERAL LIABILITY
CG 20 26 07 04

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – DESIGNATED PERSON OR ORGANIZATION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s)
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by your acts or omissions or the acts or omissions of those acting on your behalf:

A. In the performance of your ongoing operations; or

B. In connection with your premises owned by or rented to you.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS – AUTOMATIC STATUS WHEN REQUIRED IN CONSTRUCTION AGREEMENT WITH YOU

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

A. **Section II – Who Is An Insured** is amended to include as an additional insured any person or organization for whom you are performing operations when you and such person or organization have agreed in writing in a contract or agreement that such person or organization be added as an additional insured on your policy. Such person or organization is an additional insured only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by:

1. Your acts or omissions; or
2. The acts or omissions of those acting on your behalf;

in the performance of your ongoing operations for the additional insured.

However, the insurance afforded to such additional insured:

1. Only applies to the extent permitted by law; and
2. Will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

A person's or organization's status as an additional insured under this endorsement ends when your operations for that additional insured are completed.

B. With respect to the insurance afforded to these additional insureds, the following additional exclusions apply:

This insurance does not apply to:

1. "Bodily injury", "property damage" or "personal and advertising injury" arising out of the rendering of, or the failure to render, any professional architectural, engineering or surveying services, including:
   - **a.** The preparing, approving, or failing to prepare or approve, maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; or
   - **b.** Supervisory, inspection, architectural or engineering activities.

   This exclusion applies even if the claims against any insured allege negligence or other wrongdoing in the supervision, hiring, employment, training or monitoring of others by that insured, if the "occurrence" which caused the "bodily injury" or "property damage", or the offense which caused the "personal and advertising injury", involved the rendering of or the failure to render any professional architectural, engineering or surveying services.
2. "Bodily injury" or "property damage" occurring after:
   - **a.** All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or
   - **b.** That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in

performing operations for a principal as a part of the same project.

C. With respect to the insurance afforded to these additional insureds, the following is added to **Section III – Limits Of Insurance:** The most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement you have entered into with the additional insured; or

2. Available under the applicable Limits of Insurance shown in the Declarations; whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

PRIMARY AND NONCONTRIBUTORY – OTHER INSURANCE CONDITION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART

The following is added to the **Other Insurance** Condition and supersedes any provision to the contrary:

Primary And Noncontributory Insurance

This insurance is primary to and will not seek contribution from any other insurance available to an additional insured under your policy provided that:

(1) The additional insured is a Named Insured under such other insurance; and

(2) You have agreed in writing in a contract or agreement that this insurance would be primary and would not seek contribution from any other insurance available to the additional insured.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS – COMPLETED OPERATIONS

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s):	Location And Description Of Completed Operations
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.	

Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury" or "property damage" caused, in whole or in part, by "your work" at the location designated and described in the schedule of this endorsement performed for that additional insured and included in the "products-completed operations hazard".

PROPOSAL SUMMARY SHEET

RFP #24-059

Doogan Park Construction Engineering Services

Business Name: Christopher B. Burke Engineering, Ltd.

Street Address: 9575 W. Higgins Rd., Suite 600

City, State, Zip: Rosemont, Illinois 60018

Contact Name: Jim Amelio

Title: Group Lead

Phone: 847-823-0500 Fax: 847-823-0520

E-Mail address: jamelio@cbbel.com

Price Proposal

PROPOSAL TOTAL $ 263,115.00

or $277,915 with proposed additional lighting

AUTHORIZATION & SIGNATURE

Name of Authorized Signee: Michael Kerr

Signature of Authorized Signee:

Title: President Date: 9/4/2024

ORLAND PARK

CERTIFICATE OF COMPLIANCE

The undersigned Michael Kerr, as President
(Enter Name of Person Making Certification) *(Enter Title of Person Making Certification)*

and on behalf of Christopher B. Burke Engineering, Ltd., certifies that:
(Enter Name of Business Organization)

1) BUSINESS ORGANIZATION:

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

Federal Employer I.D.#: 36-3468939
(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
_X_ Corporation Illinois 1986
(State of Incorporation) *(Date of Incorporation)*

2) STATUS OF OWNERSHIP

Illinois Public Act 102-0265, approved August 2021, requires the Village of Orland Park to collect "Status of Ownership" information. This information is collected for reporting purposes only. Please check the following that applies to the ownership of your business and include any certifications for the categories checked with the proposal. Business ownership categories are as defined in the Business Enterprise for Minorities, Women, and Persons with Disabilities Act, 30 ILCS 575/0.01 *et seq.*

Minority-Owned [ ] **Small Business [ ]** (SBA standards)
Women-Owned [ ] **Prefer not to disclose [ ]**
Veteran-Owned [ ] **Not Applicable [X]**
Disabled-Owned [ ]

How are you certifying? **Certificates Attached [ ]** **Self-Certifying [ ]**

STATUS OF OWNERSHIP FOR SUBCONTRACTORS

This information is collected for reporting purposes only. Please check the following that applies to the ownership of subcontractors.

Minority-Owned [ ] **Small Business [ ]** (SBA standards)
Women-Owned [ ] **Prefer not to disclose [ ]**
Veteran-Owned [ ] **Not Applicable [ ]**
Disabled-Owned [ ]

3) 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.

4) 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."

5) EQUAL EMPLOYMENT OPPORTUNITY COMPLIANCE: Yes [X] 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.

6) TAX CERTIFICATION: Yes [X] 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.

7) 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 Kerr

Name of Authorized Officer

President

Title

9/4/2024

Date

REFERENCES

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

Bidder's Name: **Christopher B. Burke Engineering, Ltd.**
(Enter Name of Business Organization)

1. ORGANIZATION Village of Algonquin
   ADDRESS 2200 Harnish Drive, Algonquin, IL 60102
   PHONE NUMBER 847.923.3863
   CONTACT PERSON Clifton Ganek,PE, Village Engineer, CliftonGanek@algonquin.org
   YEAR OF PROJECT 2018-2022

2. ORGANIZATION Park District of Forest Park
   ADDRESS 7501 Harrison Street, Forest Park, IL 60130
   PHONE NUMBER 708.366.7500
   CONTACT PERSON Tim Gillian, President, tgillian@pdofp.org
   YEAR OF PROJECT 2000 to present

3. ORGANIZATION City of Elmhurst
   ADDRESS 209 N. York Street, Elmhurst, IL 60126
   PHONE NUMBER 630.530.3024
   CONTACT PERSON Kent Johnson, PE, Assistant City Manager, kent.johnson@elmhurst.org
   YEAR OF PROJECT 2016-2021