A G E N D A

REGULAR MEETING OF THE MAYOR AND BOARD OF TRUSTEES OF THE VILLAGE OF WILLOWBROOK TO BE HELD ON MONDAY, JULY 8, 2024 AT 6:30 P.M., AT THE COMMUNITY RESOURCE CENTER (CRC), 825 MIDWAY DRIVE, WILLOWBROOK, IL, DUPAGE COUNTY, ILLINOIS

1. CALL TO ORDER

2. ROLL CALL

3. PLEDGE OF ALLEGIANCE

4. VISITORS' BUSINESS – Public Comment is Limited to Three Minutes Per Person

5. OMNIBUS VOTE AGENDA:

   a. Waive Reading of Minutes (Approve)

   b. Minutes – Board of Trustees Regular Meeting June 24, 2024 (APPROVE)

   c. Warrants $220,060.18

   d. ORDINANCE NO. _____ - AN ORDINANCE OF THE VILLAGE OF WILLOWBROOK WAIVING COMPETITIVE BIDDING, APPROVING AND AUTHORIZING THE EXECUTION OF A CONTRACT WITH K-FIVE CONSTRUCTION CORPORATION FOR THE REMOVAL AND REPLACEMENT OF FOUR (4) SPEED TABLES ON MIDWAY DRIVE AND ELEANOR PLACE IN THE VILLAGE OF WILLOWBROOK(ADOPT)

   e. ORDINANCE NO. _____ - AN ORDINANCE OF THE VILLAGE OF WILLOWBROOK AMENDING SECTION 4-4-4 ENTITLED "RESERVATION OF PARK OR PORTION THEREOF: PERMIT REQUIRED" OF CHAPTER 4 ENTITLED "PARKS" OF TITLE 4 ENTITLED "MUNICIPAL SERVICES" OF THE VILLAGE CODE OF ORDINANCES OF THE VILLAGE OF WILLOWBROOK (PASS)

   f. ORDINANCE NO. _____ - AN ORDINANCE OF THE VILLAGE OF WILLOWBROOK DECLARING AND AUTHORIZING THE SALE, DISPOSAL OR TRADE-IN OF SURPLUS PERSONAL PROPERTY OWNED BY THE VILLAGE OF WILLOWBROOK (PASS)

g. ORDINANCE NO. _____ - AN ORDINANCE PROPOSING THE EXPANSION OF THE BOUNDARIES OF THE ROUTE 83/PLAINFIELD ROAD BUSINESS DISTRICT IN THE VILLAGE OF WILLOWBROOK AND THE SCHEDULING OF A RELATED PUBLIC HEARING (PASS)

NEW BUSINESS

6. VILLAGE THIRD-PARTY ENGINEERING SERVICES CONTRACTS

a. RESOLUTION NO. _____ - A RESOLUTION APPROVING AND AUTHORIZING THE EXECUTION OF AN AGREEMENT AND FIRST AMENDMENT TO GENERAL CONDITIONS FOR PROFESSIONAL ENGINEERING SERVICES FOR THE VILLAGE OF WILLOWBROOK BY AND BETWEEN CHRISTOPHER B. BURKE ENGINEERING, LTD. AND THE VILLAGE OF WILLOWBROOK (ADOPT)

b. RESOLUTION NO. _____ - A RESOLUTION APPROVING AND AUTHORIZING THE EXECUTION OF AN AGREEMENT FOR PROFESSIONAL ENGINEERING SERVICES FOR THE VILLAGE OF WILLOWBROOK BY AND BETWEEN KLUBER, INC. AND THE VILLAGE OF WILLOWBROOK(ADOPT)

PRIOR BUSINESS

7. TRUSTEE REPORTS

8. ATTORNEY’S REPORT

9. CLERK’S REPORT

10. ADMINISTRATOR’S REPORT

11. MAYOR’S REPORT

12. EXECUTIVE SESSION

13. ADJOURNMENT

Return to Agenda

MINUTES OF THE REGULAR MEETING OF THE MAYOR AND BOARD OF TRUSTEES OF THE VILLAGE OF WILLOWBROOK TO BE HELD ON MONDAY, JUNE 24, 2024, AT 6:30 P.M. AT THE COMMUNITY RESOURCE CENTER, 825 MIDWAY DRIVE, WILLOWBROOK, DUPAGE COUNTY, ILLINOIS.

1. CALL TO ORDER

The meeting was called to order at 6:30 P.M. Mayor Trilla.

2. ROLL CALL

Those physically present at roll call were, Mayor Frank Trilla, Village Trustees Mark Astrella, Sue Berglund, Umberto Davi, Michael Mistele, Gayle Neal and Greg Ruffolo, Attorney Michael Durkin, Village Administrator Sean Halloran, Assistant Village Administrator Alex Arteaga, Chief Financial Officer Lora Flori, Director of Community Development Michael Krol, Director of Parks and Recreation Dustin Kleefisch, Director of Public Works Rick Valent, Chief Lauren Kaspar, and Deputy Clerk Christine Mardegan.

ABSENT: Village Clerk Deborah Hahn, Deputy Chief Ben Kadolph and Deputy Chief Gerard Wodka.

A QUORUM WAS DECLARED

3. PLEDGE OF ALLEGIANCE

Mayor Trilla asked Trustee Neal to lead everyone in saying the Pledge of Allegiance.

4. VISITORS' BUSINESS

None present and no written comments were received.

5. OMNIBUS VOTE AGENDA:

Mayor Trilla read over each item in the Omnibus Vote Agenda for the record.

a. Waive Reading of Minutes (Approve)

b. Minutes – Board of Trustees Regular Meeting May 28, 2024 (APPROVE)

c. Warrants $ 2,182,299.97

d. IL ATTORNEY GENERAL ORGANIZED RETAIL CRIME GRANT PROGRAM

   i. MOTION – AMEND THE FY24-25 GENERAL FUND AND CAPITAL PROJECTS FUND BUDGET FOR THE PURCHASE OF MOBILE PRO SENTRY CAMERAS (PASS)

ii. RESOLUTION NO. 24-R-32- A RESOLUTION APPROVING, RATIFYING, AND CONFIRMING THE EXECUTION OF AN INTERGOVERNMENTAL GRANT AGREEMENT BETWEEN THE VILLAGE OF WILLOWBROOK AND THE OFFICE OF THE ATTORNEY GENERAL OF THE STATE OF ILLINOIS FOR THE ORGANIZED RETAIL CRIME GRANT PROGRAM (ADOPT)

iii. RESOLUTION NO. 24-R-33- A RESOLUTION OF THE VILLAGE OF WILLOWBROOK ACCEPTING TWO (2) PROPOSALS AND APPROVING THE PURCHASE OF FIVE (5) PRIMARY PRO SENTRY MOBILE SURVEILLANCE CAMERAS AND ONE (1) SECONDARY PRO SENTRY MOBILE SURVEILLANCE CAMERA WITH APPLICABLE LICENSING SOFTWARE FROM MOBILE SYSTEMS AT A COST NOT TO EXCEED $75,200.00 (ADOPT)

Mayor Trills asked the Board if there were any items to be removed from the Omnibus Vote Agenda.

MOTION: Made by Trustee Mistele and seconded by Trustee Ruffolo to approve the Omnibus Vote Agenda as presented.

ROLL CALL VOTE: AYES: Trustees Astrella, Berglund, Davi, Mistele, Neal and Ruffolo. NAYS: None. ABSENT: None.

MOTION DECLARED CARRIED

6. NEW BUSINESS

There is no new business this evening.

PRIOR BUSINESS

7. TRUSTEE REPORTS

Trustee Neal had no report.

Trustee Ruffolo had no report.

Trustee Mistele thanked the Police Department for all the reports on the red-light cameras.

Trustee Berglund had no report.

Trustee Davi had no report.

Trustee Astrella had no report.

8. ATTORNEY'S REPORT

Attorney Durkin had no report.

9. CLERK'S REPORT

Clerk Hahn was not present.

10. ADMINISTRATOR'S REPORT

Administrator Halloran thanked Director Valent and Public Works for the progress on the Executive Drive project. This project will be completed about 6 weeks earlier than expected and should be completed in the next two weeks, right after the Fourth of July.

11. MAYOR'S REPORT

Mayor Trilla recognized and thanked CFO Flori for her work on the audit and budget submitted to the Government Finance Officers Association (GFOA). This is the first time in the Village's history winning the coveted Triple Crown for the 2022-2023 report.

He also reminded the Trustees and staff of the tornado that occurred 3 years ago in neighboring Woodridge and that there are still 23 families who are displaced. There is a fundraiser this coming Wednesday (June 26) for those still affected. He will provide details after the meeting to those interested.

12. EXECUTIVE SESSION

There is no need for an Executive Session this evening.

13. ADJOURNMENT

MOTION: Made by Trustee Mistele and seconded by Trustee Astrella to adjourn the Regular Meeting at the hour of 6:36p.m.

ROLL CALL VOTE: AYES: Trustees Astrella, Berglund, Davi, Mistele and Neal and Ruffolo. NAYS: None. ABSENT: None.

MOTION DECLARED CARRIED

PRESENTED, READ, and APPROVED.

July 8th, 2024

_____

Frank A. Trilla, Mayor

Minutes transcribed by Deputy Clerk Christine Mardegan.

Return to Agenda

W A R R A N T S

July 8, 2024

GENERAL CORPORATE FUND	$	63,080.56
WATER FUND	$	63,681.18
CAPITAL PROJECT FUND	$	93,298.44
TOTAL WARRANTS	$	220,060.18

Lora Flori, Director of Finance

APPROVED:
Frank A. Trilla, Mayor

CHECK DISBURSEMENT REPORT FOR VILLAGE OF WILLOWBROOK
CHECK DATE FROM 06/26/2024 - 07/10/2024

Check Date	Bank	Check #	Payee	Description	Account	Dept	Amount
Fund: 01 GENERAL FUND							
06/27/2024	APCH	385(E)#	WEX BANK	FUEL/MILEAGE/WASH	455-303	10	58.35
				FUEL/MILEAGE/WASH	550-303	20	2.00
				FUEL/MILEAGE/WASH	630-303	30	7,126.58
				FUEL/MILEAGE/WASH	630-303	30	53.43
				FUEL/MILEAGE/WASH	710-303	35	1,254.80
				FUEL/MILEAGE/WASH	810-303	40	2.00
				CHECK APCHK 385(E) TOTAL FOR FUND 01:			8,497.16
07/08/2024	APCH	102100	ARTISTIC ENGRAVING	OPERATING EQUIPMENT	630-401	30	756.50
07/08/2024	APCH	102103	BESTWAY CHARTER TRANSPORTATION,	ACTIVE ADULT PROGRAM	590-517	20	780.00
07/08/2024	APCH	102104	BESTWAY CHARTER TRANSPORTATION,	ACTIVE ADULT PROGRAM	590-517	20	785.00
07/08/2024	APCH	102105	BESTWAY CHARTER TRANSPORTATION,	ACTIVE ADULT PROGRAM	590-517	20	2,500.00
07/08/2024	APCH	102106	BILL KAY CHEVROLET	MAINTENANCE - BUILDING	630-228	30	200.00
07/08/2024	APCH	102107	CHRISTINE MARDEGAN	FUEL/MILEAGE/WASH	455-303	10	24.92
07/08/2024	APCH	102108*#	CHRISTOPHER B. BURKE	FEES - ENGINEERING	720-245	35	1,432.00
				ENGINEERING SERVICES	820-262	40	322.50
				ENGINEERING SERVICES	820-262	40	322.50
				ENGINEERING SERVICES	820-262	40	89.50
				ENGINEERING SERVICES	820-262	40	568.14
				CHECK APCHK 102108 TOTAL FOR FUND 01:			2,734.64
07/08/2024	APCH	102109	COMCAST CABLE	INTERNET/WEBSITE HOSTING	715-225	35	689.70
07/08/2024	APCH	102110	COMED	ENERGY - STREET LIGHTS	745-207	35	42.05
				ENERGY - STREET LIGHTS	745-207	35	565.80
				ENERGY - STREET LIGHTS	745-207	35	636.91
				MAINTENANCE - TRAFFIC SIGNALS	745-224	35	330.69
				CHECK APCHK 102110 TOTAL FOR FUND 01:			1,575.45
07/08/2024	APCH	102113	EVT TECH	MAINTENANCE - BUILDING	630-228	30	145.00
07/08/2024	APCH	102116	GBJ SALES, LLC	STREET IMPROVEMENTS	765-685	35	298.15
07/08/2024	APCH	102117	GREAT LAKES CONCRETE, LLC	STORM WATER IMPROVEMENTS MAINTENANCE	750-381	35	621.08
07/08/2024	APCH	102118	HIGH STAR TRAFFIC	ROAD SIGNS	755-333	35	86.20

Check Date	Bank	Check #	Payee	Description	Account	Dept	Amount
Fund: 01 GENERAL FUND							
07/08/2024	APCH	102119	HINSDALE NURSERIES, INC.	TREE MAINTENANCE	750-338	35	3,899.00
				TREE MAINTENANCE	750-338	35	23.00
				CHECK APCHK 102119 TOTAL FOR FUND 01:			3,922.00
07/08/2024	APCH	102120*#	HOME DEPOT CREDIT SERVICES	MAINTENANCE - BUILDING	466-228	10	295.56
				MAINTENANCE	725-410	35	902.85
				MAINTENANCE	725-410	35	224.99
				STREET IMPROVEMENTS	765-685	35	721.80
				STREET IMPROVEMENTS	765-685	35	5.76
				CHECK APCHK 102120 TOTAL FOR FUND 01:			2,150.96
07/08/2024	APCH	102121	ILLINOIS RAILWAY MUSEUM	ACTIVE ADULT PROGRAM	590-517	20	50.00
07/08/2024	APCH	102122	IRMA	SELF INSURANCE - DEDUCTIBLE	480-273	10	14,766.86
07/08/2024	APCH	102123	KEVRON PRINTING & DESIGN INC	OFFICE/GENERAL PROGRAM SUPPLIES	550-301	20	67.96
07/08/2024	APCH	102125	LAW OFFICES STORINO RAMELLO&DURK	FEES - VILLAGE ATTORNEY	470-239	10	15,183.80
07/08/2024	APCH	102127	LOMAR CODE ENFORCEMENT	CODE ENFORCE INSPECTION	830-119	40	2,092.50
07/08/2024	APCH	102128	LORI RINELLA	FUEL/MILEAGE/WASH	630-303	30	21.48
07/08/2024	APCH	102130	NORTH EAST MULTI REGIONAL TRNG.	SCHOOLS/CONFERENCES/TRAVEL	630-304	30	200.00
				SCHOOLS/CONFERENCES/TRAVEL	630-304	30	195.00
				SCHOOLS/CONFERENCES/TRAVEL	630-304	30	125.00
				CHECK APCHK 102130 TOTAL FOR FUND 01:			520.00
07/08/2024	APCH	102131*#	NOVOTNY ENGINEERING	FEES - ENGINEERING	720-245	35	760.00
				ENGINEERING SERVICES	820-262	40	70.00
				CHECK APCHK 102131 TOTAL FOR FUND 01:			830.00
07/08/2024	APCH	102132	ORKIN EXTERMINATING	MAINTENANCE - BUILDING	630-228	30	150.99
07/08/2024	APCH	102133	QUADIENT LEASING USA, INC.	OFFICE SUPPLIES	455-301	10	200.45
07/08/2024	APCH	102135	RUSSO'S POWER EQUIPMENT	TREE MAINTENANCE	750-338	35	390.00
				STORM WATER IMPROVEMENTS MAINTENANCE	750-381	35	592.93

Check Date	Bank	Check #	Payee	Description	Account	Dept	Amount
Fund: 01 GENERAL FUND							
				CHECK APCHK 102135 TOTAL FOR FUND 01:			982.93
07/08/2024	APCH	102136	SIGNS NOW	OFFICE SUPPLIES	455-301	10	34.50
07/08/2024	APCH	102138	STREICHER'S	OPERATING EQUIPMENT	630-401	30	78.00
07/08/2024	APCH	102139	SUBURBAN DOOR CHECK & LOCK SERVI	MAINTENANCE - EQUIPMENT	570-411	20	622.50
07/08/2024	APCH	102143	VESTIS GROUP, INC.	MAINTENANCE - BUILDING	466-228	10	112.26
07/08/2024	APCH	102144	WILLOWBROOK FORD INC.	MAINTENANCE - BUILDING	630-228	30	95.00
				MAINTENANCE - BUILDING	630-228	30	22.67
				MAINTENANCE - BUILDING	630-228	30	212.27
				MAINTENANCE - BUILDING	630-228	30	1,269.63
				CHECK APCHK 102144 TOTAL FOR FUND 01:			1,599.57
				Total for fund 01 GENERAL FUND			63,080.56

Check Date	Bank	Check #	Payee	Description	Account	Dept	Amount
Fund: 02 WATER FUND							
07/08/2024	APCH	102101	ASSOCIATED TECHNICAL SERV. LTD.	LEAK SURVEYS	430-276	50	736.00
07/08/2024	APCH	102111	COMMERCIAL TIRE SERVICE, INC	VEHICLE MAINTENANCE	401-350	50	1,625.12
				VEHICLE MAINTENANCE	401-350	50	793.96
				CHECK APCHK 102111 TOTAL FOR FUND 02:			2,419.08
07/08/2024	APCH	102112	ETP LABS INC	SAMPLING ANALYSIS	420-362	50	200.00
07/08/2024	APCH	102114	FALCO'S LANDSCAPING INC	SPOILS HAULING SERVICES	430-280	50	6,600.00
				SPOILS HAULING SERVICES	430-280	50	8,250.00
				SPOILS HAULING SERVICES	430-280	50	3,850.00
				SPOILS HAULING SERVICES	430-280	50	3,850.00
				SPOILS HAULING SERVICES	430-280	50	4,400.00
				STREET IMPROVEMENTS SERVICES	430-281	50	4,680.00
				STREET IMPROVEMENTS SERVICES	430-281	50	4,625.00
				CHECK APCHK 102114 TOTAL FOR FUND 02:			36,255.00
07/08/2024	APCH	102115	FAMOUS NAILS (PEI)	CUSTOMER OVERPAYMENT	280-135	00	183.31
07/08/2024	APCH	102120*#	HOME DEPOT CREDIT SERVICES	VEHICLE MAINTENANCE	401-350	50	419.70
				VEHICLE MAINTENANCE	401-350	50	731.68
				MATERIALS & SUPPLIES- STANDPIPE/PUMPH	425-475	50	549.00
				OPERATING EQUIPMENT	430-401	50	890.71
				OPERATING EQUIPMENT	430-401	50	513.35
				CHECK APCHK 102120 TOTAL FOR FUND 02:			3,104.44
07/08/2024	APCH	102124	KLOEPFER CONSTRUCTION, INC.	WATER DISTRIBUTION REPAIRS/MAINTENANC	430-277	50	6,985.88
07/08/2024	APCH	102129	METROPOLITAN INDUSTRIES INC	EDP LICENSES	417-263	50	138.00
07/08/2024	APCH	102137	STONE WHEEL, INC.	VEHICLE MAINTENANCE	401-350	50	77.28
				VEHICLE MAINTENANCE	401-350	50	39.96
				CHECK APCHK 102137 TOTAL FOR FUND 02:			117.24
07/08/2024	APCH	102140	TAMELING INDUSTRIES	STREET IMPROVEMENTS SERVICES	430-281	50	180.36
07/08/2024	APCH	102141	UNDERGROUND PIPE SOLUTIONS	WATER DISTRIBUTION REPAIRS/MAINTENANC	430-277	50	2,800.00
				WATER DISTRIBUTION REPAIRS/MAINTENANC	430-277	50	2,975.00

Check Date	Bank	Check #	Payee	Description	Account	Dept	Amount
Fund: 02 WATER FUND							
				WATER DISTRIBUTION REPAIRS/MAINTENANC	430-277	50	2,887.50
				WATER DISTRIBUTION REPAIRS/MAINTENANC	430-277	50	2,975.00
				CHECK APCHK 102141 TOTAL FOR FUND 02:			11,637.50
07/08/2024	APCH	102142	VARIVERGE LLC	PRINTING & PUBLISHING	401-302	50	893.88
				POSTAGE & METER RENT	401-311	50	830.49
				CHECK APCHK 102142 TOTAL FOR FUND 02:			1,724.37
				Total for fund 02 WATER FUND			63,681.18

Check Date	Bank	Check #	Payee	Description	Account	Dept	Amount
Fund: 10 CAPITAL PROJECT FUND							
07/08/2024	APCH	102102	BELSON OUTDOORS LLC	PARK EQUIPMENT	600-344	55	3,650.35
				FARMINGDALE TERRACE PROJECT	600-346	55	5,531.64
				CREEKSIDE PARK IMPROVEMENT PROJECT	600-348	55	1,941.45
				CHECK APCHK 102102 TOTAL FOR FUND 10:			11,123.44
07/08/2024	APCH	102108*#	CHRISTOPHER B. BURKE	EXECUTIVE DRIVE PROJECT	600-309	55	43,577.50
07/08/2024	APCH	102126	LIVING WATERS CONSULTANTS	BORSE PARK PHASE II	600-347	55	3,950.00
				BORSE PARK PHASE II	600-347	55	9,000.00
				CHECK APCHK 102126 TOTAL FOR FUND 10:			12,950.00
07/08/2024	APCH	102131*#	NOVOTNY ENGINEERING	CREEKSIDE PARK IMPROVEMENTS	600-345	55	1,610.00
				FARMINGDALE TERRACE PROJECT	600-346	55	3,612.50
				BORSE PARK PHASE II	600-347	55	1,775.00
				CHECK APCHK 102131 TOTAL FOR FUND 10:			6,997.50
07/08/2024	APCH	102134	RBH CONSTRUCTION, LLC	WILLOW POND IMPROVEMENTS	600-350	55	18,650.00
				Total for fund 10 CAPITAL PROJECT FUND			93,298.44
			TOTAL - ALL FUNDS				220,060.18

'*'-INDICATES CHECK DISTRIBUTED TO MORE THAN ONE FUND
'#'-INDICATES CHECK DISTRIBUTED TO MORE THAN ONE DEPARTMENT

Village of WILLOWBROOK

Public Works

BOARD OF TRUSTEES MEETING

AGENDA ITEM NO: 5.d. **DATE: July 8, 2024**

SUBJECT:

AN ORDINANCE OF THE VILLAGE OF WILLOWBROOK WAIVING COMPETITIVE BIDDING, APPROVING AND AUTHORIZING THE EXECUTION OF A CONTRACT WITH K-FIVE CONSTRUCTION CORPORATION FOR THE REMOVAL AND REPLACEMENT OF FOUR (4) SPEED TABLES ON MIDWAY DRIVE AND ELEANOR PLACE IN THE VILLAGE OF WILLOWBROOK

STAFF REPORT

TO: Mayor Trilla and Board of Trustees
FROM: Rick Valent, Director of Public Works
THROUGH: Sean Halloran, Village Administrator

PREVIOUS ACTION TAKEN

The Board provided unanimous support at the June 24th Committee of the Whole meeting to approve this agreement.

PURPOSE AND ACTION REQUESTED

Staff is seeking approval to contract with K-Five Construction Corporation to remove and replace the recently installed Midway Drive and Eleanor Place speed tables.

BACKGROUND/SUMMARY

In an effort to address high speeds and create traffic calming on Midway Drive and Eleanor Place in the area of Borse and Midway Parks, staff worked with the in-house contractual engineering firm to design, price and install the best method to address these issues. A review of the surrounding area determined that IDOT (Illinois Department of Transportation) specified speed tables were most appropriate.

With this understanding, staff reached out to the Village's current asphalt pavement contractor, Chicagoland Paving Contractors, for pricing. The cost for the installation of four speed tables, two on Midway Drive and two on Eleanor Place, totaled $10,000. After the speed tables were installed, it was quickly determined that their effectiveness was not meeting expectations after a multitude of community feedback. Upon visual inspection of the speed tables and core sampling of the asphalt, it was evident the speed tables were not installed as designed.

Staff and in-house contractual engineering connected with Chicagoland Paving Contractors to address the Village's concerns. After weeks of onsite meetings and discussions, corrective measures have yet to be addressed. At the direction of the Village Administrator, staff were directed to seek alternative solutions to remedy the issue and satisfy the community's needs. Note, the contracted work has not yet been invoiced, nor will it be considered for payment at this time.

To remedy the issue sooner than later, particularly given the recent opening of Midway Park, staff reached out to K-Five Construction Corporation, the current asphalt contractor for the Executive Drive Flood Control Project,

for their consideration. Their recommendation is to remove the previously installed speed tables and install new ones to the original design specifications. K-Five's quote for the project is a total cost of $33,330.45.

It is staff’s recommendation that the Board approve K-Five Construction Corporation’s proposal to remove and replace the newly installed speed tables. This asphalt contractor is a highly reputable company that provides a quality product which meets industry standards.

FINANCIAL IMPACT

An agreement with K-Five Construction Corporation in the amount of $33,330.45.

RECOMMENDED ACTION:

Staff is seeking Board approval to contract with K-Five Construction Corporation for the replacement of the Midway and Eleanor speed tables in the amount of $33,330.45.

ORDINANCE NO. 24-O-_____

AN ORDINANCE OF THE VILLAGE OF WILLOWBROOK WAIVING COMPETITIVE BIDDING, APPROVING AND AUTHORIZING THE EXECUTION OF A CONTRACT WITH K-FIVE CONSTRUCTION CORPORATION FOR THE REMOVAL AND REPLACEMENT OF FOUR (4) SPEED TABLES ON MIDWAY DRIVE AND ELEANOR PLACE IN THE VILLAGE OF WILLOWBROOK

WHEREAS, the Village of Willowbrook (the "Village") solicited proposals from K-Five Construction Corporation for the removal and replacement of four (4) speed tables on Midway Drive and Eleanor Place in the Village, at a total cost not to exceed Thirty-Three Thousand Three Hundred Thirty and 45/100ths Dollars ($33,330.45); and

WHEREAS, the corporate authorities of the Village of Willowbrook have determined that it is in the best interest of the Village that competitive bidding be waived for the removal and replacement of four (4) speed tables on Midway Drive and Eleanor Place in the Village.

NOW THEREFORE BE IT ORDAINED by the Mayor and Board of Trustees of the Village of Willowbrook, DuPage County, Illinois, as follows:

SECTION 1: The foregoing recitals are adopted as the findings of the corporate authorities of the Village of Willowbrook as if fully recited herein.

SECTION 2: The competitive bidding process for the removal and replacement of four (4) speed tables on Midway Drive and Eleanor Place in the Village be and is hereby waived.

SECTION 3: The Village Mayor of the Village of Willowbrook be and is hereby authorized and directed to execute, on behalf of the Village, a Contract for the removal and replacement of four (4) speed tables (two [2] on Midway Drive and two [2] on Eleanor Place) in the Village at a total cost not to exceed Thirty-Three Thousand Three Hundred Thirty and 45/100ths Dollars ($33,330.45). A copy of said Contract is attached hereto as Exhibit "A" and made a part hereof.

SECTION 4: The Village Mayor be and is hereby authorized and directed to execute, on behalf of the Village, that certain Contract with K-Five Construction Corporation, attached hereto as

Exhibit “A” and made a part hereof, which Contract and Proposal is hereby approved.

SECTION 5: This ordinance shall be in full force and effect from and after its passage and approval, in the manner provided by law.

PASSED and APPROVED this 8th day of July, 2024 by a ROLL CALL VOTE as follows:

AYES: _____

NAYS: _____

ABSTENTIONS: _____

ABSENT: _____

APPROVED:

_____
Frank A. Trilla, Mayor

ATTEST:

_____
Deborah A. Hahn, Village Clerk

EXHIBIT "A"

AGREEMENT WITH K-FIVE CONSTRUCTION CORPORATION AND K-FIVE CONSTRUCTION CORPORATION PROPOSAL

CONTRACT

THIS CONTRACT ENTERED INTO THIS _____ day of July, 2024 between K-Five Construction Corporation ("Contractor") and the Village of Willowbrook, a municipal corporation of the State of Illinois ("Village"), in consideration of the following and other valuable consideration the sufficiency of which is hereby acknowledged, the Village and Contractor agree as follows:

1. The Village of Willowbrook has found it to be in the best interest of the Village to engage contractor for the removal and replacement of four (4) existing speed tables on Midway Drive and Eleanor Place in the Village of Willowbrook (the "Project").

2. Contractor has submitted a Proposal to the Village for the Project. Such proposal, including all terms, conditions, requirements and specifications contained therein are incorporated herein as "Exhibit A" and expressly made a part of this agreement as if each term, condition, specification, requirement and special conditions was repeated herein verbatim. In the event any inconsistent terms are contained in this agreement and in "Exhibit A," the terms of this Agreement shall control.

3. Contractor agrees to complete such work in a good and workmanlike manner in accordance with all plans, specifications and proposal response, attached hereto.

4. The Contractor certifies that the Contractor is not delinquent in the payment of taxes to the Illinois Department of Revenue in accordance with 65 ILCS 5/11-42.1-1.

5. Contractor certifies that it is not barred from bidding on state, municipal or other contracts by reason of Sections 33E-3 (bid rigging) or 33E-4 (bid totaling) of the Criminal Code of 1961 (720 ILCS 5/33E-3 and 5/33E-4), and further certifies that it is not barred from bidding

on State, municipal and other contracts by reason of conviction of State laws regarding bid rigging or bid rotation.

6. The Village of Willowbrook agrees to pay Contractor for the performance of the work completed in a good and workmanlike manner, a sum not to exceed Thirty-Three Thousand Three Hundred Thirty and 45/100ths Dollars ($33,330.45) set forth in Contractor's Response to Request for Proposals dated June 17, 2024. Payment shall be in conformance with the provisions of the Local Government Prompt Payment Act (50 ILCS 505/1, *et seq.*).

7. Contractor agrees that not less than the prevailing wage as determined by the Illinois Department of Labor, shall be paid to all laborers, workers and mechanics performing work under this Contract in accordance with the Illinois Prevailing Wage Act and Contractor agrees to comply with all other provisions of the Illinois Prevailing Wage Act (820 ILCS 130/0.01, *et seq.*) as amended. If the Department of Labor revises the wage rates, the revised rate as provided by the Illinois Department of Labor shall apply to this Agreement and Contractor will not be allowed additional compensation on account of said revisions.

Contractor shall make and keep, for a period of not less than five (5) years, records of all laborers, mechanics, and other workers employed by them on the project; the records shall include each worker's name, address, telephone number when available, social security number, classification or classifications, the hourly wages paid in each period, the number of hours worked each day, and the starting and ending times of work each day.

Upon seven (7) business days' notice, Contractor shall make available for inspection the records to the Village of Willowbrook, its officers and agents, and to the Director of Labor and his deputies and agents at all reasonable hours at a location within this State. Contractor and each

subcontractor shall permit his/her employees to be interviewed on the job, during working hours, by compliance investigators of the Department or the Department of Labor.

8. Contractor agrees that it has and will comply with all laws relating to the employment preference to veterans in accordance with the Veterans Preference Act (330 ILCS 55/0.01, *et seq.*).

9. Contractor agrees that it has and will comply with all laws relating to the employment of Illinois workers in accordance with the Employment of Illinois Workers on Public Works Act (30 ILCS 570/1, *et seq.*).

10. Contractor agrees that, pursuant to 30 ILCS 580/1, *et seq*. ("Drug-Free Workplace Act"), it will provide a drug-free workplace by:

A. Publishing a statement:

(1) Notifying employees that the unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance including cannabis, is prohibited in the workplace.

(2) Specifying the actions that will be taken against employees for violations of such prohibition; and

(3) Notifying the employee that, as a condition of employment on this Agreement, the employee will:

(a) Abide by the terms of the statement; and

(b) Notify the employer of any criminal drug statute conviction for a violation occurring in the workplace no later than five (5) days after such conviction.

B. Establishing a drug-free awareness program to inform employees about:

(1) The dangers of drug abuse in the workplace;

(2) Contractor's policy of maintaining a drug-free workplace;

(3) Any available drug counseling, rehabilitation, and employee assistance program; and

(4) The penalties that may be imposed upon employees for drug violations.

C. Making it a requirement to give a copy of the statement required by Subsection A to each employee engaged in the performance of the Agreement and to post the statement in a prominent place in the workplace.

D. Notifying the Village of Willowbrook within ten (10) days, after receiving notice under Subparagraph 10(A) 3 (b) from an employee, or otherwise receiving actual notice of such conviction.

E. Imposing a sanction on, or requiring the satisfactory participation in a drug abuse assistance or rehabilitation program by any employee who is convicted, as required by 30 ILCS 580/5.

F. Assisting employees in selecting a course of action in the event drug counseling treatment and rehabilitation is required and indicating that a trained referral team is in place.

G. Making a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

11. The Contractor certifies that if the Contractor is not a party to a collective bargaining agreement in effect, Contractor is in compliance with the Substance Abuse Prevention on Public Works Projects Act (820 ILCS 265/1, *et seq.*) and if Contractor is a party to a collective bargaining agreement, that agreement deals with the subject matter of the Substance Abuse Prevention on Public Works Projects Act or has in place and is enforcing a written program which

meets or exceeds the program requirements of the Substance Abuse Prevention on Public Works Projects Act.

12. Contractor agrees that it has and will have in place and will enforce a written sexual harassment policy in compliance with 775 ILCS 5/2-105(A)(4).

13. During the performance of this contract, the Contractor agrees as follows:

A. That it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, marital status, national origin or ancestry, citizenship status, age, physical or mental disability unrelated to ability, sexual orientation, military status or an unfavorable discharge from military service; and, further, that he or she will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any underutilization.

B. That, if he or she hires additional employees in order to perform this contract or any portion of this contract, he or she will determine the availability (in accordance with the Department's Rules and Regulations) of minorities and women in the areas from which he or she may reasonably recruit and he or she will hire for each job classification for which employees are hired in a way that minorities and women are not underutilized.

C. That, in all solicitations or advertisements for employees placed by him or her or on his or her behalf, he or she will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, sexual orientation, marital status, national origin or ancestry, citizenship status, age, physical or mental disability unrelated to ability, sexual orientation, military status or an unfavorable discharge from military service.

D. That he or she will send to each labor organization or representative of workers with which he or she has or is bound by a collective bargaining or other agreement or

understanding, a notice advising the labor organization or representative of the contractor's obligations under the Act and the Department's Rules and Regulations. If any labor organization or representative fails or refuses to cooperate with the contractor in his or her efforts to comply with the Act and Rules and Regulations, the contractor will promptly notify the Department and the contracting agency and will recruit employees from other sources when necessary to fulfill its obligations under the contract.

E. That he or she will submit reports as required by the Department's Rules and Regulations, 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 Act and the Department's Rules and Regulations.

F. That he or she will permit access to all relevant books, records, accounts and work sites by personnel of the contracting agency and the Department for purposes of investigation to ascertain compliance with the Act and the Department's Rules and Regulations.

G. That he or she will include verbatim or by reference the provisions of this clause in every subcontract that may be awarded under which any portion of the contract obligations are undertaken or assumed, so that the provisions will be binding upon the subcontractor. In the same manner as with other provisions of this contract, the contractor will be liable for compliance with applicable provisions of this clause by subcontractors; and further it will promptly notify the contracting agency and the Department in the event any subcontractor fails or refuses to comply with the provisions. In addition, the contractor will not utilize any subcontractor declared by the Illinois Human Rights Commission to be ineligible for contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations.

In the event of the contractor's non-compliance with the provisions of this Equal Employment Opportunity Clause, the Act or the Rules and Regulations of the Department, the contractor may be declared ineligible for future contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations, and the contract may be cancelled or voided in whole or in part, and other sanctions or penalties may be imposed or remedies invoked as provided by statute or regulation.

14. During the performance of its Agreement with the Village of Willowbrook, Contractor:

Will not maintain or provide for its employees any segregated facilities at any of its establishments, and not permit its employees to perform their services at any location, under its control, where segregated facilities' means any waiting rooms, work areas, restrooms and washrooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation and housing facilities provided for employees which are segregated by explicit directive or are in fact segregated on the basis or race, creed, color, or national origin because of habit, local custom, or otherwise.

15. Contractor agrees to assume all risk of loss and to indemnify and hold harmless the Village of Willowbrook, its officers, agents and employees from any and all liabilities, claims, suits, injuries, losses, damages, fines or judgments, including litigation costs and attorneys' fees, arising out of the work performed by Contractor including, to the extent allowed by law, those liabilities, injuries, claims, suits, losses, damages, fines or judgments, including litigation costs and attorneys' fees arising out of, or alleged to arise out of, the intentional, willful, wanton or negligent acts of Contractor, its employees, agents, assigns and/or subcontractors.

16. The Contractor represents and warrants to the Village that neither it nor any of its principals, shareholders, members, partners, or affiliates, as applicable, is a person or entity named as a Specially Designated National and Blocked Person (as defined in Presidential Executive Order 13224) and that it is not acting, directly or indirectly, for or on behalf of a Specially Designated National and Blocked Person. The Contractor further represents and warrants to the Village that the Contractor and its principals, shareholders, members, partners, or affiliates, as applicable, are not, directly or indirectly, engaged in, and are not facilitating, the transactions contemplated by this Agreement on behalf of any person or entity named as a Specially Designated National and Blocked Person. The Contractor hereby agrees to defend, indemnify and hold harmless the Village, the Corporate Authorities, and all Village elected or appointed officials, officers, employees, agents, representatives, engineers, and attorneys, from and against any and all claims, damages, losses, risks, liabilities, and expenses (including reasonable attorneys' fees and costs) arising from and related to any breach of the foregoing representations and warranties.

17. Insurance requirements shall be as follows:

A. Contractor shall procure and maintain for the duration of the Contract insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the Work by the contractor, its agents, representatives, employees or subcontractors, as set forth in Contractor's proposal attached hereto as Exhibit "A" and made a part hereof.

B. The Village, its officials and employees are to be covered as additional insureds as respects liability arising out of activities performed by or on behalf of the Contractor, as well as materials, and equipment procured, owned, leased, hired or borrowed by the Contractor. The

coverage shall contain no special limits on the scope of the protection afforded to the Village and its officials.

C. The Contractor's insurance coverage shall be primary insurance as respects the Village, its officials and employees. Any insurance or self-insurance maintained by the Village, its officials or employees shall be excess of Contractor's insurance and shall not contribute with it.

D. Any failure to comply with reporting provisions of the policies shall not affect coverage provided to the Village, its officials or employees.

E. Coverage shall state that the Contractor's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.

F. Worker's Compensation and Employers' Liability Coverage:

The insurer shall agree to waive all rights of subrogation against the Village, its officials, employees or volunteers for losses arising from work performed by the Contractor for the Village.

G. All Coverages:

Each insurance policy required by this clause shall be endorsed to state that the coverage shall not be suspended, voided, canceled, reduced in coverage or in limits except after thirty (30) day's prior written notice by certified mail, return receipt requested, has been given to the Village.

18. Contractor shall at all times observe and comply with all laws, ordinances, and regulations of the federal, state, local and Village government which may in any manner affect the performance of this Contract.

19. No member of the governing body of the Village of Willowbrook or other unit of government and no other officer, employee, or agent of the Village of Willowbrook or other unit of government who exercises any functions or responsibilities in connection with the carrying out of this project to which this Contract pertains, shall have personal interest, direct or indirect, in the Contract.

Additionally, the Contractor certifies that no officer or employee of the Village of Willowbrook has solicited any gratuity, discount, entertainment, hospitality, loan, forbearance, or other tangible or intangible item having monetary value including, but not limited to, cash, food and drink, and honoraria for speaking engagements related to or attributable to the government employment or the official position of the employee or officer from the contractor in violation of Chapter 12 of the Village Code of Ordinances of the Village of Willowbrook, adopted by the Village pursuant to the requirements of Article 10 of the State Officials and Employees Ethics Act.

Finally, The Contractor certifies that the Contractor has not given to any officer or employee of the Village of Willowbrook any gratuity, discount entertainment, hospitality, loan, forbearance, or other tangible or intangible item having monetary value including, but not limited to, cash, food and drink, and honoraria for speaking engagements related to or attributable to the government employment or the official position of the employee or officer from the contractor in violation of Chapter 12 of the Village Code of Ordinances of the Village of Willowbrook adopted by the Village pursuant to the requirements of Article 10 of the State Officials and Employees Ethics Act.

20. In the event that Contractor shall fail to perform such work within a reasonable time after being assigned such work or shall fail to complete such work in a good and workmanlike

manner, the Village of Willowbrook may terminate this Contract by written notice to Contractor, effective immediately upon mailing.

21. All change orders increasing the cost of the contract by Twenty Thousand Dollars ($20,000.00) or less must be approved, in writing, by the Village Administrator. All change orders increasing the cost of the contract by Twenty Thousand Dollars ($20,000.00) or more must be approved by official action of the Village Board of the Village of Willowbrook.

22. Notice as provided for herein shall be transmitted to the Village of Willowbrook, Village Administrator, 835 Midway Drive, Willowbrook, Illinois 60527 or to K-Five Construction Corporation, 999 Oakmont Plaza, Suite 200, Westmont, IL 60559, Attn: Will Jennings, as may be applicable by first class prepaid mail. Any notice to Contractor shall be deemed received two (2) days after such meeting.

23. Contractor agrees to maintain all records and documents for projects of the Public Body in compliance with the Freedom of Information Act, 5 ILCS 140/1, *et seq*. In addition, Contractor shall produce within three (3) days, without cost to the Public Body, records which are responsive to a request received by the Public Body under the Freedom of Information Act so that the Public Body may provide records to those requesting them within the required five (5) business day period. If additional time is necessary to compile records in response to a request, then Contractor shall so notify the Public Body within three (3) days in order for the Village shall request an extension so as to comply with the Act. In the event that the Village is found to have not complied with the Freedom of Information Act based upon Contractor's failure to produce documents or otherwise appropriately respond to a request under the Act, then Contractor shall indemnify and hold the Village harmless, and pay all amounts determined to be due including but not limited to fines, costs, attorneys' fees and penalties.

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24. Time is of the essence of this Contract.

This Contract is made and executed in duplicate in Willowbrook, DuPage County, Illinois the day and year first above written.

Contractor:

K-FIVE CONSTRUCTION CORPORATION

By: _____
Will Jennings, its duly authorized agent

ATTEST:

_____
Title:

Village of Willowbrook

By: _____
Frank A. Trilla, Mayor

ATTEST:

_____
Village Clerk

EXHIBIT "A"

K-FIVE CONSTRUCTION CORPORATION PROPOSAL

K-FIVE CONSTRUCTION CORPORATION

999 Oakmont Plaza Drive • Suite 200 • Westmont, IL 60559

(630) 257-5600 Fax (630) 257-6788

To:	Village Of Willowbrook	**Contact:**	Orion Galey
Address:	7760 Quincy Street	**Phone:**	(847) 833-0210
	Willowbrook, IL 60521	**Fax:**	
Project Name:	Speed Table Removal & Replacement - Village Of Willowbrook	**Bid Number:**	
Project Location:	Midway Drive, Willowbrook, IL	**Bid Date:**	6/17/2024

Item #	Item Description	Estimated Quantity	Unit	Unit Price	Total Price
1	Speed Table Removal & Replacement - All Costs Included To Remove & Replace 4 Exisiting Speed Table On Midway Dr	1.00	LS	$33,330.45	$33,330.45

Notes:

- **This work is to be completed concurrently with K-Five Operations on Executive Dr in Willowbrook, Pricing is only valid per this condition.**
- **IDOT N50 Surface 9.5 Mix"D" is included in this price, if another mix is required separate pricing will be necessary.**
- **All prices based on one mobilization.**
- **All prices are based on 2024 construction.**
  Working Hours: Monday through Friday only; 7:00am - 3:00 pm.
- All payments based on actual quantities measured multiplied by unit prices.
- Exclude: Testing, Bonds, Permits, Construction Staking/Layout, Curbs, Excavation, Hazardous Materials Handling, Structure Adjustments, Geotechnical Fabric, Seal-Coating, Concrete Bollards, Wheel Stops, Herbicides, Record Drawings, Sewer or Utility Trench Patching, Private Utility Locating or Potholing, Proof Rolling, Traffic Control / Flagging, Textura or other payment service fees
- K-Five standard insurance coverages (GL $1M/$2M) are included in this proposal. No Builder Risk, OCP, or Railroad Insurance included.
- All prices are good for 10 days from the above date.
- Quote includes K-Five standard safety training, JHA and tool box talks for its personnel. Any costs of site or customer specific training, briefings, meetings or other requirements are not included.
- If K-Five is selected to perform this work, this proposal becomes part of any contract established.
- Quote does not include any work to aggregate subgrade, including but not limited to fine grading, compaction, proof rolling, or undercuts

Payment Terms:

MONTHLY PAY ESTIMATES, WITH THE NET DUE IN 30 DAYS UPON COMPLETION.

ACCEPTED:	**CONFIRMED:**
The above prices, specifications and conditions are satisfactory and are hereby accepted.	**K-Five Construction**
Buyer: _____	
Signature: _____	**Authorized Signature:** _____
Date of Acceptance: _____	**Estimator:** Will Jennings willj@k-five.net

Village of
WILLOWBROOK

Parks & Recreation

BOARD OF TRUSTEES MEETING

AGENDA ITEM NO: 5.e. **DATE: July 8, 2024**

SUBJECT:

AN ORDINANCE OF THE VILLAGE OF WILLOWBROOK AMENDING SECTION 4-4-4 ENTITLED "RESERVATION OF PARK OR PORTION THEREOF: PERMIT REQUIRED" OF CHAPTER 4 ENTITLED "PARKS" OF TITLE 4 ENTITLED "MUNICIPAL SERVICES" OF THE VILLAGE CODE OF ORDINANCES OF THE VILLAGE OF WILLOWBROOK

STAFF REPORT

TO: Mayor Trilla and Board of Trustees

FROM: Dustin Kleefisch, Director of Parks and Recreation

THROUGH: Sean Halloran, Village Administrator

PREVIOUS ACTION TAKEN

At the June 24th Committee of the Whole meeting, the Board provided unanimous support to move forward to include Midway Park in the available Village park rentals.

PURPOSE AND ACTION REQUESTED

To amend the Park Rental Ordinance for the addition of Midway Park as a potential rental option.

BACKGROUND/SUMMARY

With the completion of the Midway Park Project, residents have been utilizing the new facilities and enjoying the amenities. Director Kleefisch has received significant interest from residents with the intent of renting the facility. Currently, Midway Park is not an approved rental facility within the Village of Willowbrook. With the pavilion shelter, restrooms, and recreational amenities, the facility is a great location for rental potential. The park will still fall within the new time parameters for rental of 10 am to 2 pm or 3 pm to 7 pm time slots. However, given the size of the pavilion and parking, the largest group size should be capped at 50 people. Taking that into consideration when looking at our current rental rates, this would provide a rental rate of $150 for residents and $300 for non-residents. Please see below for a breakdown of costs:

Park Area	Resident Costs	Non-resident Costs	Hours Reserved
Pavilion	$150	$300	4
Wiffle Ball Field	$150	$300	4
Skating Rink	$150	$300	4
Outdoor Workout Area	$150	$300	4
Entire Park	$500	$1,100	4

Given the popularity of the park, there is tremendous potential for rentals at this park and it will provide a different venue in addition to Borse Memorial Community Park and Willow Pond.

FINANCIAL IMPACT:

There is no financial impact on the Village for this action. However, there is potential for additional rental revenue compared to previous years.

RECOMMENDED ACTION:

Staff recommends approving the amendment to the Park Rental Ordinance for the addition of Midway Park as a potential rental option.

ORDINANCE NO. 24-O-_____

AN ORDINANCE OF THE VILLAGE OF WILLOWBROOK AMENDING SECTION 4-4-4 ENTITLED "RESERVATION OF PARK OR PORTION THEREOF: PERMIT REQUIRED" OF CHAPTER 4 ENTITLED "PARKS" OF TITLE 4 ENTITLED "MUNICIPAL SERVICES" OF THE VILLAGE CODE OF ORDINANCES OF THE VILLAGE OF WILLOWBROOK

BE IT ORDAINED by the Mayor and Board of Trustees of the Village of Willowbrook, DuPage County, Illinois, Section 4-4-4 entitled "Reservation of Park or Portion Thereof: Permit Required" of Chapter 4 entitled "Parks" of Title 4 entitled "Municipal Services" of the Village Code of Ordinances of the Village of Willowbrook, DuPage County, Illinois, be and is hereby amended, in its entirety, to read as follows:

SECTION 1: Title 4, Chapter 4, Section 4-4-4, as amended, is hereby amended in its entirety to read as follows:

"4-4-4 Reservation of Park or Portion Thereof: Permit Required; Times; Fees:

(A) No person, group or organization shall have exclusive use of any park or portion thereof without having first obtained a park permit therefor.

(B) The Superintendent of Parks and Recreation shall adopt, from time to time, rules and regulations governing the reservation of any park or portion thereof, including the issuance of permits therefor.

(C) Permit fees, deposits and other charges applicable to the reservation of any park or portion thereof shall be as established from time to time, either by a resolution or ordinance adopted by the Board of Trustees. Any fee imposed pursuant to this section shall be in addition to and not in lieu of any other fee imposed by this Code.

(D)

Park Area Midway Park	Resident Costs	Non-Resident Costs	Hours Reserved
Pavilion	**$150**	**$300**	**4**
Wiffle Ball Field	**$150**	**$300**	**4**
Skating Rink	**$150**	**$300**	**4**
Outdoor Workout Area	**$150**	**$300**	**4**
Entire Park – Midway Park	**$500**	**$1,100**	**4**

(E) Rental Times: The Park areas set forth in sub-section (D) above shall be available for rental in four (4) hour increments of 10:00 a.m. to 2:00 p.m. and 3:00 p.m. to 7:00 p.m."

SECTION 2: This ordinance shall be in full force and effect from, upon and after its passage and approval and publication in the manner provided by law.

PASSED and APPROVED this 8th day of July, 2024 by a ROLL CALL VOTE as follows:

AYES: _____

NAYS: _____

ABSTENTIONS: _____

ABSENT: _____

APPROVED:

_____
Frank A. Trilla, Mayor

ATTEST:

_____
Deborah A. Hahn, Village Clerk

Village of
WILLOWBROOK

Police

BOARD OF TRUSTEES MEETING

AGENDA ITEM NO: 5.f. **DATE: July 8, 2024**

SUBJECT:

AN ORDINANCE OF THE VILLAGE OF WILLOWBROOK DECLARING AND AUTHORIZING THE SALE, DISPOSAL OR TRADE-IN OF SURPLUS PERSONAL PROPERTY OWNED BY THE VILLAGE OF WILLOWBROOK.

STAFF REPORT

TO: Mayor Trilla and Board of Trustees

FROM: Gerard Wodka, Deputy Chief of Police

THROUGH: Sean Halloran, Village Administrator

PURPOSE AND ACTION REQUESTED

Staff is seeking approval of an ordinance authorizing the sale, disposal, or trade-in of surplus police department equipment owned by the Village of Willowbrook.

BACKGROUND/SUMMARY

Staff has Village owned laptop computers, computer hard drives, squad printer, firearms and firearms equipment, deemed surplus, ready for disposal, recycling, or sale.

Qty.	EQUIPMENT	MAKE/MODEL
2	TOUGHBOOK	PANASONIC CF-3111992CM
1	HARD DRIVE	SEAGATE BARRICUDA
8	HARD DRIVES	DELL CONSTELLATION ES.3
1	SQUAD PRINTER	ZEBRA ZQ521
24	HOLSTERS	TASER X26P HOLSTERS
34	HANDGUN HOLSTERS	SAFARILAND
72	HANDGUN MAGAZINES	GLOCK 19 & 21
29	WEAPON FLASHLIGHTS	STREAMLIGHT TLR
9	MAG POUCHES	VARIOUS
75	USED/EXPIRED OC CANISTERS	SABRE
1	GUNLOCK	LIFEJACKET
3	RIFLES	COLT M4 COMMANDOS
1	PEPPERBALL GUN	PEPPERBALL

FINANCIAL IMPACT

All funds received from the surplus will be deposited into the General Fund.

RECOMMENDED ACTION:

Adopt the ordinance to dispose of surplus property.

ORDINANCE NO. 24-O-_____

AN ORDINANCE OF THE VILLAGE OF WILLOWBROOK DECLARING AND AUTHORIZING THE SALE, DISPOSAL OR TRADE-IN OF SURPLUS PERSONAL PROPERTY OWNED BY THE VILLAGE OF WILLOWBROOK

WHEREAS, in the opinion of a majority of the corporate authorities of the Village of Willowbrook, it is no longer necessary or useful or in the best interests of the Village of Willowbrook, to retain ownership of those items of surplus personal property currently owned by the Village and detailed on Exhibit "A", attached hereto and made a part hereof; and

WHEREAS, it has been determined by the Mayor and Board of Trustees of the Village of Willowbrook that it is in the best interest of the Village to dispose of said personal property by sale, disposal or trade-in of said personal property.

NOW THEREFORE, BE IT ORDAINED by the Mayor and Board of Trustees of the Village of Willowbrook as follows:

SECTION ONE: Pursuant to 65 ILCS 5/11-76-4, the Mayor and Board of Trustees of the Village of Willowbrook find that the personal property described on Exhibit "A", attached hereto and made a part hereof, now owned by the Village of Willowbrook, is no longer necessary or useful to the Village of Willowbrook and the best interests of the Village of Willowbrook will be served by its sale, disposal or trade-in.

SECTION TWO: Pursuant to 65 ILCS 5/11-76-4, the Village Administrator is hereby authorized and directed to dispose of the personal property set forth on Exhibit "A", now owned by the Village of Willowbrook, in any manner he deems appropriate, with or without advertisement, including, but not limited to, the sale or trade-in of said personal property as part of the purchase price of new or used personal property.

SECTION THREE: The sale or disposition of said surplus personal property is "AS IS" with no warranty, either express or implied, of merchantability or fitness for a particular purpose.

SECTION FOUR: This Ordinance shall be in full force and effect from and after its passage and approval in the manner provided by law.

PASSED and APPROVED this 8th day of July, 2024 by a ROLL CALL VOTE as follows:

AYES: _____

NAYS: _____

ABSTENTIONS: _____

ABSENT: _____

APPROVED:

_____
Frank A. Trilla, Mayor

ATTEST:

_____
Deborah A. Hahn, Village Clerk

EXHIBIT "A"

SURPLUS PERSONAL PROPERTY

Qty.	EQUIPMENT	MAKE/MODEL
2	TOUGHBOOK	PANASONIC CF-3111992CM
1	HARD DRIVE	SEAGATE BARRICUDA
8	HARD DRIVES	DELL CONSTELLATION ES.3
1	SQUAD PRINTER	ZEBRA ZQ521
24	HOLSTERS	TASER X26P HOLSTERS
34	HANDGUN HOLSTERS	SAFARILAND
72	HANDGUN MAGAZINES	GLOCK 19 & 21
29	WEAPON FLASHLIGHTS	STREAMLIGHT TLR
9	MAG POUCHES	VARIOUS
75	USED/EXPIRED OC CANISTERS	SABRE
1	GUNLOCK	LIFEJACKET
3	RIFLES	COLT M4 COMMANDOS
1	PEPPERBALL GUN	PEPPERBALL

Village of WILLOWBROOK

Village Administrator's Office

BOARD OF TRUSTEES MEETING

AGENDA ITEM NO: 5.g. **DATE**: July 8, 2024

SUBJECT:

AN ORDINANCE PROPOSING THE EXPANSION OF THE BOUNDARIES OF THE ROUTE 83/PLAINFIELD ROAD BUSINESS DISTRICT IN THE VILLAGE OF WILLOWBROOK AND THE SCHEDULING OF A RELATED PUBLIC HEARING

STAFF REPORT

TO: Mayor Trilla and Board of Trustees

FROM: Sean Halloran, Village Administrator

THROUGH: Sean Halloran, Village Administrator

PREVIOUS ACTION TAKEN

The Board provided unanimous support at the June 24th Committee of the Whole meeting to amend the Route 83 / Plainfield Road Business District (Business District) boundaries.

PURPOSE AND ACTION REQUESTED

The purpose of this item is to continue the process to amend the Business District boundaries.

BACKGROUND/SUMMARY

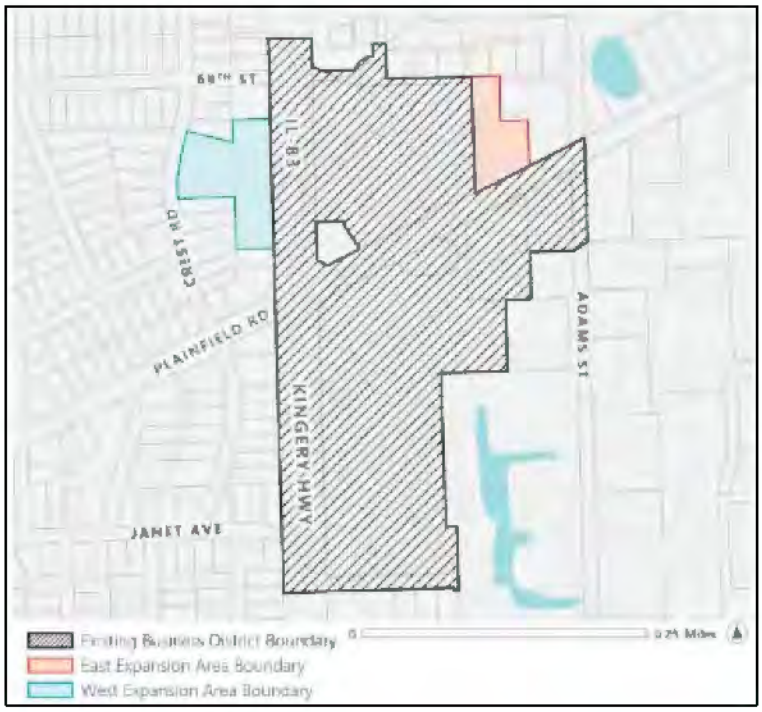
Aerial View of Business District

In 2016, the Village Board adopted an ordinance creating a Business District that covered the properties east of Kingery Highway from Pete's Fresh Market to Portillo's (see map). The purpose of the request and subsequent approval was based on the feedback staff received at the time from commercial property owners who faced challenges finalizing redevelopment projects.

The public finance consultant Ehlers Associates was hired to review the financial data, including project pro formas and gap analysis reports. The final report concluded that a Business District was the best solution for the property owners and the Village. Since that time, the Village has seen incredible growth in sales tax revenue and continuous growth in business district tax revenue year over year. Lastly, the Board has subsequently approved three economic development deals within the Business District that have significantly improved and stabilized the Village's revenue base.

As mentioned in Budget Workshop #2, the Village Administrator's Office's strategic priorities included a review of amending the Business District's boundaries. Village staff commissioned SB Friedman Development Advisors, LLC to evaluate the eligibility of two proposed expansion areas for inclusion in the Illinois Route 83/Plainfield Road Business District (BD). The attached study examines the East Expansion Area and the West Expansion Area to determine their qualification as "blighted areas" under the Illinois Business District Development and Redevelopment Law. The findings of this study will guide the Village in its decision to expand the existing business district.

Overview of Expansion Areas



East Expansion Area:

- **Location:** Bounded by 69th Street to the north and Plainfield Road to the south.
- **Current Use:** Hosts a Chase Bank and a multi-tenant office building.
- **Size:** Approximately 2.2 acres.

West Expansion Area:

- **Location:** Nine parcels along Kingery Highway, bordered by Kingery Highway to the east, Crest Road to the west, Plainfield Road to the south, and 69th Street to the north.
- **Size:** Approximately 4.0 acres.

Eligibility Criteria and Findings

To qualify as "blighted areas," the expansion areas must exhibit one or more of the following factors: defective street layout, unsanitary conditions, site deterioration, improper subdivision, or conditions endangering life or property. Additionally, these factors must contribute to economic or social liabilities, economic underutilization, or public health and safety risks.

East Expansion Area Findings:

1. **Defective, Non-Existent, or Inadequate Street Layout:**
    - Difficulty in entering and exiting the site due to inadequate signage and access points.
    - Increased traffic challenges and potential safety risks due to improper street layout.
2. **Deterioration of Site Improvements:**
    - Observable deterioration of parking surfaces and building structures, including cracked asphalt and damaged facades.

These issues have led to the economic underutilization of the area, evidenced by a slower growth in property values compared to the rest of the Village.

West Expansion Area Findings:

1. **Defective, Non-Existent, or Inadequate Street Layout:**
    - Multiple access points along Kingery Highway cause congestion and pose safety risks.
    - Lack of sidewalks due to the presence of a stormwater ditch, reducing walkability.

2. **Deterioration of Site Improvements:**
    - Deteriorated parking surfaces, walkways, and building exteriors.

The West Expansion Area also shows signs of economic underutilization, with property values growing more slowly than those in the rest of the Village.

Additional Findings and Compliance

Both expansion areas meet the following additional requirements for inclusion in the business district:

1. **Lack of Growth and Development through Private Investment:**
    - Both areas have experienced lower growth rates and limited private investment compared to the rest of the Village.
2. **"But For" Requirement:**
    - Redevelopment of these areas is unlikely without their inclusion in the business district, which would provide necessary public resources for improvements.
3. **Contiguity and Substantial Benefit:**
    - The parcels in both expansion areas are contiguous with the existing business district and would benefit directly from the expansion.
4. **Conformance to Village Plans:**
    - The inclusion of the expansion areas aligns with the Village's Comprehensive Plan, ensuring cohesive development.

Recommendation

The eligibility study concluded that both the East and West Expansion Areas qualify as "blighted areas" under the Illinois Business District Development and Redevelopment Law. Their inclusion in the Illinois Route 83/Plainfield Road Business District is expected to address the existing infrastructure and economic deficiencies, promoting redevelopment and economic growth. The Village of Willowbrook is recommended to proceed with the expansion to foster a more vibrant and economically viable business district.

NEXT STEPS

To proceed with amending the Business District boundaries, the next step is to conduct a public hearing prior to passing an ordinance to amend Ordinance 16-O-31, An Ordinance of the Village of Willowbrook, DuPage County, Illinois, Designating the Village of Willowbrook, Illinois Route 83 / Plainfield Road Business District, to expand the boundaries to the East and West Expansion subareas as described above.

FINANCIAL IMPACT

If approved, there will be marginal attorney and consulting fees to finalize the implementation.

RECOMMENDED ACTION:

Staff is seeking to pass an ordinance to hold a public hearing to amend the Business District boundaries.

Village of Willowbrook
Route 83/Plainfield Road Business
First Amendment to Business District Plan
June 2024

Prepared by the Village of Willowbrook

On July 11, 2016, the Mayor and Board of Trustees of the Village of Willowbrook ("***Village***") approved a Business District plan ("***Plan***") for the Route 83/Plainfield Road Business District ("***Business District***"), designated the Business District as a blighted area, and imposed a 1% business district retailers' occupation tax and a 1% business district service occupation tax within the Business District, all pursuant to the Illinois Business District Development and Redevelopment Law, 65 ILCS 5/11-74.3-1, *et seq*. ("***Law***")

Pursuant to Section VIII of the Business District Plan, and Section 2(f) of the Law, the Village amends the Business District Plan as follows, with additions **bold and double-underlined** and deletions ~~struck through~~, with page references being to the pages and exhibits of the Business District Plan:

1) Page 1, Section I, first paragraph:

> Municipalities are authorized to create Business Districts by the Illinois Municipal Code, Business District Development and Redevelopment Law, specifically in 65 ILCS 5/11-74.3 *et seq*., as amended (the "Business District Act" or the "Act"). This document, entitled, *Village of Willowbrook, Illinois, Route 83/Plainfield Road Business District, Business District Plan, June, 2016* (the "Business District Plan"), is to serve as a Business District Plan for the area generally bounded by 69th Street to the north, 72nd Court on the south, Illinois Route 83 on the west, and Adams Street and Willow Way Lane on the east in Willowbrook, Illinois**, along with the "West Expansion Area" and the "East Expansion Area" as both are depicted and legally described in the *Expansion Areas Eligibility Study* dated June 20, 2024 by SB Friedman Development Advisors, LLC attached as Exhibit 1 and made a part of, and incorporated into, this Business District Plan (the "Expansion Area Study")**. The area includes all adjoining rights-of-way and a portion of PIN 09-23-400-035 for easement access but does not include PIN 09-23-405-019. The Village of Willowbrook (the "Village") has determined that this area would benefit from designation as a Business District, as specifically provided for in the Business District Act. This area**, including the West Expansion Area and the East Expansion Area,** is subsequently referred to in this Business District Plan as the "Route 83/Plainfield Road Business District," or the "Business District". **For the avoidance of doubt, all references in this Business District Plan to the Route 83/Plainfield Road Business District and the Business District include, without limitation, the West Expansion Area and the East Expansion Area.**

2) Plan exhibits are amended as follows:

a) The map in **Exhibit A** is replaced with Map 1 on page 2 of the Expansion Area Study.

b) The legal description in **Exhibit B** is replaced with the legal description in Appendix 1 of the Expansion Area Study.

c) The PINs in **Exhibit C** are supplemented by adding the PINs in Appendix 2 of the Expansion Area Study.

d) The street address in **Exhibit D** are supplemented by adding the street addresses of the West Expansion Area and East Expansion Area as determined by the Village staff.

3) Page 3, Section I.B, first paragraph:

The Business District is located in the center of Willowbrook at the intersections of the two heavily traveled roads, Illinois Route 83 (also known as Illinois 83 and as Kingery Highway), a Strategic Regional Arterial (SRA) route as defined by the Illinois Department of Transportation and Plainfield Road, a minor arterial road. The Business District **includes the following PINs, among others** ~~consist of six PINs and a portion of PIN 09-23-400-035 for easement access, and currently has 30 tenant businesses~~:

4) Page 3, Section I.B, add the following to the bullet point list:

- **The PINs in the West Expansion Area are west of Illinois Route 83 and south of 69th Street and are occupied by a vacant commercial building, a quick service restaurant with a drive-through, and a small one-story commercial center.**
- **The PINs in the East Expansion Area are to the north of Plainfield Road and west of Adams Street and are occupied by a Chase Bank and a two-story commercial building.**

5) Page 14, Section III, add the following new Section III.F:

F. Qualifications and Eligibility of West Expansion Area and East Expansion Area

The Expansion Area Study is incorporated in this Section III.F and the qualifications and eligibility findings for the West Expansion Area and East Expansion Area.

6) Page 17, Section IV.C, add the following to the list of specific sites targeted for redevelopment:

3. The West Expansion Area.

4. The East Expansion Area.

7) Page 21, Section IV.H, first paragraph:

A rate of one percent (1.0%) shall be imposed as a retailers' occupation tax and service occupation tax within the Route 83/Plainfield Road Business District**, including, without limitation, within the West Expansion Area and the East Expansion Area**. Such shall be imposed for up to, but not more than, twenty-three (23) years pursuant to the provisions of the Business District Act.

8) Page 25, Section VII, add the following to the list of formal findings and determinations:

6. All references in this Section VII to the Route 83/Plainfield Road Business District, and Business District, include and apply to the West Expansion Area and the East Expansion Area. The findings and determinations in the Expansion Area Study are incorporated into this Section VII. For the avoidance of doubt, the Village finds that the West Expansion Area and the East Expansion Area are each a "blighted area" under the Act.

VILLAGE OF WILLOWBROOK, ILLINOIS

Illinois Route 83/Plainfield Road Business District

Expansion Areas Eligibility Study

FINAL REPORT | June 20, 2024

SBFRIEDMAN

VILLAGE OF WILLOWBROOK, IL

Illinois Route 83/Plainfield Road Business District Expansion Areas Eligibility Study

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1. Introduction

The Village of Willowbrook, Illinois (the "Village") engaged SB Friedman Development Advisors, LLC (SB Friedman) to conduct eligibility studies for two potential expansion areas: the "East Expansion Area" and the "West Expansion Area" (together, the "Expansion Areas") to be amended into the existing Illinois Route 83/Plainfield Road Business District (the "Existing BD") under the provisions of the Illinois Business District Development and Redevelopment Law (65 ILCS 5/11-74.3-1 et seq., as amended the "Law"). The Existing BD and the Expansion Areas are illustrated in **Map 1**.

This document (the "Eligibility Study") summarizes the eligibility findings for the Expansion Areas. SB Friedman has prepared this Eligibility Study with the understanding that: 1) the Village would rely on the findings and conclusions of this Eligibility Study in proceeding with the expansion of the Existing BD in compliance with the Law, and 2) the Expansion Areas would adopt the redevelopment objectives outlined in the Existing BD's original business district plan (the "Original Plan") once amended into the Existing BD.

The East Expansion Area

The East Expansion Area encompasses one parcel bounded by 69th Street to the north and Plainfield Road to the south. There is currently a Chase Bank and a multi-tenant office building on site.

The East Expansion Area contains approximately 2.2 acres of land, of which approximately 0.1 acres are rights-of-way.

The legal description of the East Expansion Area and a list of Property Index Numbers (PINs) are included in **Appendix 1** and **Appendix 2**, respectively.

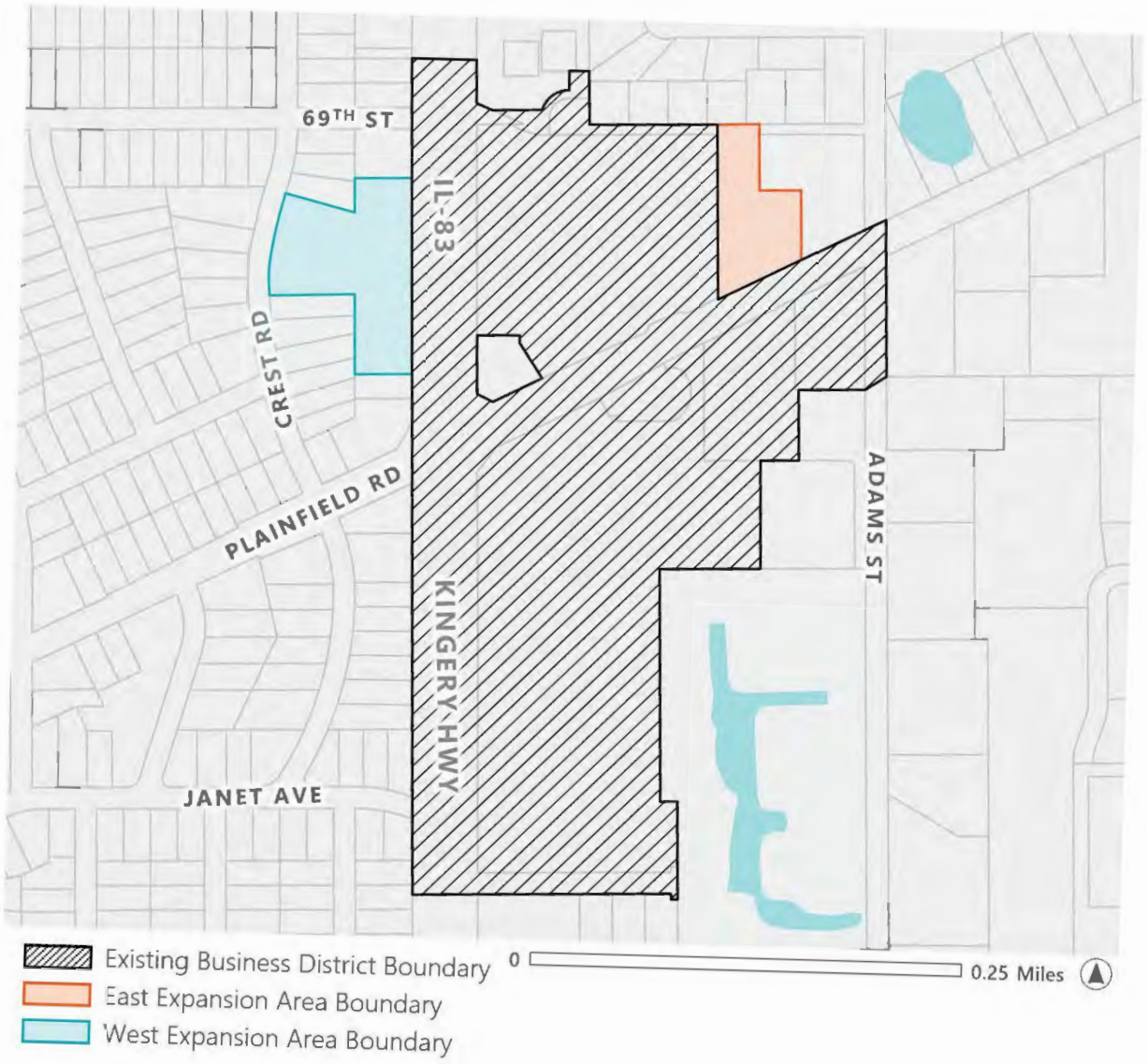
The West Expansion Area

The West Expansion Area consists of a total of nine parcels along Kingery Highway. It is roughly bounded by Kingery Highway to the east, Crest Road to the west, Plainfield Road to the south and 69th Street to the north.

The West Expansion Area contains approximately 4.0 acres of land.

The legal description of the West Expansion Area and a list of PINs are included in **Appendix 1** and **Appendix 2**, respectively.

Map 1: Existing BD & Expansion Areas



Sources: DuPage County, Esri, SB Friedman, Village of Willowbrook

2. Eligibility Study – East Expansion Area

The East Expansion Area suffers from deteriorated site improvements and a defective and inadequate street layout. The East Expansion Area will benefit from a strategy to improve physical conditions and address deteriorating infrastructure, allowing for economic growth and redevelopment.

The eligibility findings presented herein cover events and conditions that were determined to support a finding that the East Expansion Area qualifies as a "blighted area" under the Law.

Eligibility Provisions of the Illinois Business District Development and Redevelopment Act

In order to impose taxes within a business district, a municipality must find that the area meets the "blighted area" provision under the Law and satisfies several other findings and tests. These eligibility criteria are summarized below.

BLIGHTED AREA DEFINITION

A business district can be considered a blighted area under the Law by the predominance of at least one of the following five factors:

- Defective, Non-Existent or Inadequate Street Layout
- Unsanitary or Unsafe Conditions
- Deterioration of Site Improvements
- Improper Subdivision or Obsolete Platting
- Existence of Conditions which Endanger Life or Property by Fire or Other Causes

In addition, the presence of the factor(s) must have at least one of the following four effects on the business district:

- Retard(s) the Provision of Housing Accommodations
- Constitute(s) an Economic or Social Liability
- Constitute(s) an Economic Underutilization of the Area
- Constitute(s) a Menace to the Public Health, Safety, Morals or Welfare

OTHER REQUIRED FINDINGS AND TESTS

Four additional findings and tests are required to be satisfied to add land into an existing business district:

1. **Lack of growth and development through private investment.** The Village is required to evaluate whether a proposed business district or proposed business district expansion area has been subject to growth and development through investment by private enterprises and must substantiate a finding of lack of such investment prior to establishing a business district or adding land to an existing business district.

2. **"But for" the creation or expansion of a business district, the area would not be redeveloped.** The Village must find that the area would not reasonably be anticipated to be developed or redeveloped without the adoption of the business district plan.
3. **Contiguity and substantial benefit.** The boundary of a proposed business district or proposed business district expansion area must contain contiguous parcels that are directly and substantially benefited by the plan.
4. **Conformance to the plans of the Village.** A business district plan must conform to the Village's most recent comprehensive plan and any master plans applicable to the proposed business district or proposed business district expansion area.

Methodology Overview

SB Friedman conducted the following analyses to determine whether the East Expansion Area qualifies as a blighted area, as defined by the Law:

- Parcel field observations and photography in March 2024 documenting external conditions of properties and infrastructure;
- Analysis of historic trends in equalized assessed value (EAV) for the last six years (five year-to-year periods) for which data are available and final (2017-2022) from the DuPage County Supervisor of Assessments Office and the Downers Grove Township Assessor's Office;
- Review of a memo from the Village dated April 5th, 2024 (the "Village Memo"); and
- Review of the Village's current Comprehensive Plan (the "1993 Comprehensive Plan").

All properties were examined for qualification factors consistent with the blighted area requirements of the Law.

Eligibility Findings

BLIGHTED AREA FINDING

SB Friedman's research indicates the East Expansion Area qualifies as a blighted area due to the predominance of the following two factors:

1. Defective, Non-Existent or Inadequate Street Layout
2. Deterioration of Site Improvements

Defective, Non-Existent or Inadequate Street Layout

SB Friedman conducted fieldwork and collected data from the Village to assess the street layout and transportation challenges within the East Expansion Area.

The Village Memo indicates that it is challenging to enter and exit the site from the two access points at Plainfield Road, especially from the eastbound lanes. Due to a lack of signage, drivers assume they can enter and exit from either access point as well as turn left to exit the East Expansion Area and go east on Plainfield Road. This makes it difficult to exit the site at all times of day. The Village Memo describes the current level of

access as defective and inadequate. These defects and inadequacies in street layout are present throughout the East Expansion Area.

Deterioration of Site Improvements

Physical deterioration of surface improvements and buildings was observed throughout the parcel. The most common form of deterioration was on surface improvements, especially parking surfaces. Catalogued surface improvement deterioration included cracking and crumbling asphalt. Catalogued building deterioration included damage to the façade, fascia and soffit.

This factor was found to be meaningfully present and reasonably distributed throughout the East Expansion Area.

Effect of Blighting Factors on the East Expansion Area

It appears the present blighting factors have the following effect on the East Expansion Area:

- Constitute an Economic Underutilization of the Area

ECONOMIC UNDERUTILIZATION OF THE AREA

An evaluation of change in property values over time is one of the clearest indicators of whether an area is meeting its economic potential. SB Friedman analyzed the change in the equalized assessed of the parcel in the East Expansion Area from 2017 to 2022 in comparison to the remainder of the Village.

The East Expansion Area has grown more slowly than the balance of the Village over the last five years. During that time, the East Expansion Area grew by 13.4%, while the balance of the Village grew by 18.7%. The compound annual growth rate (CAGR) of the EAV for the East Expansion Area was approximately 2.5% from 2017 to 2022, whereas the CAGR of the EAV for the balance of the Village over the same period was approximately 3.5%. These results are shown in **Table 1** below.

Table 1: Overall Growth in EAV of East Expansion Area and Balance of the Village (2017 – 2022)

	2017	2022
East Expansion Area Parcel EAV	$655 K	$742 K
Percent Change	---	13.4%
CAGR	---	2.5%
Village EAV Less East Expansion Area Parcel	$438.3 M	$520.3 M
Percent Change	---	18.7%
CAGR	---	3.5%

Sources: Downers Grove Township Assessor's Office, DuPage County Supervisor of Assessments, SB Friedman

Compared to the remainder of the Village, the East Expansion Area's property values have grown more slowly from 2017 to 2022. The fact that the East Expansion Area has not attained property value growth on par with the remainder of the Village indicates that the area is economically underutilized.

Other Required Findings and Tests

In addition to the finding of blight, the Law requires that four required findings and tests be satisfied for the designation or expansion of an existing business district. SB Friedman's research, as described below, indicates that the East Expansion Area satisfies these requirements.

1. LACK OF GROWTH AND DEVELOPMENT THROUGH PRIVATE INVESTMENT

As described above and shown in **Table 1**, overall growth in property value within the East Expansion Area has been substantially lower than the remainder of the Village from 2017 to 2022. This indicates a lack of growth and private investment in the East Expansion Area.

Finding: *The East Expansion Area as a whole has not been subject to growth and development through investment by private enterprises.*

2. "BUT FOR" ITS ADDITION TO THE EXISTING BD, THE EAST EXPANSION AREA WOULD NOT ACHIEVE DESIRED REDEVELOPMENT GOALS

Without the support of public resources, the Original Plan's redevelopment objectives would most likely not be realized in the East Expansion Area. The improvements and development assistance needed to upgrade existing infrastructure and support new development and redevelopment are extensive and costly. The private market, on its own, has shown little ability to absorb all such costs. The Village has limited capacity to fund capital improvements of the sort that appear necessary to remove blighting factors.

Given the relative lack of growth in property value, defective and inadequate street layout, and existing surface and building deterioration, substantial redevelopment and economic growth in the East Expansion Area is unlikely to occur without the addition of the East Expansion Area to the Existing BD.

Finding: *The East Expansion Area would not reasonably be anticipated to be redeveloped without its addition to the Existing BD.*

3. CONTIGUITY OF PARCELS

Finding: *All parcels in the Expansion Areas are contiguous with the parcels in the Existing BD and are expected to directly and substantially benefit from inclusion in the Existing BD.*

4. CONFORMANCE TO THE PLANS OF THE VILLAGE

Finding: *The addition of the Expansion Areas to the Existing BD would not affect the Original Plan's conformance to the 1993 Comprehensive Plan.*

Summary of Findings

SB Friedman found that the East Expansion Area qualifies to be designated as a "blighted area." The East Expansion Area is blighted due to the predominance of defective and inadequate street layout and

deterioration of site improvements and buildings, which constitutes an economic underutilization of the area. The East Expansion Area also satisfies the four separate findings and tests required for inclusion in the Existing BD.

3. Eligibility Study – West Expansion Area

The West Expansion Area suffers from deteriorated site improvements and defective and inadequate street layout. The West Expansion Area will benefit from a strategy to improve physical conditions and address deteriorating infrastructure, allowing for economic growth and redevelopment.

The eligibility findings presented herein cover events and conditions that were determined to support a finding that the West Expansion Area qualifies as a "blighted area" under the Law.

Eligibility Provisions of the Illinois Business District Development and Redevelopment Act

In order to impose taxes within a business district, a municipality must find that the area meets the "blighted area" provision under the Law and satisfies several other findings and tests. These eligibility criteria are summarized below.

BLIGHTED AREA DEFINITION

A business district can be considered a blighted area under the Law by the predominance of at least one of the following five factors:

- Defective, Non-Existent or Inadequate Street Layout
- Unsanitary or Unsafe Conditions
- Deterioration of Site Improvements
- Improper Subdivision or Obsolete Platting
- Existence of Conditions which Endanger Life or Property by Fire or Other Causes

In addition, the presence of the factor(s) must have at least one of the following four effects on the business district:

- Retard(s) the Provision of Housing Accommodations
- Constitute(s) an Economic or Social Liability
- Constitute(s) an Economic Underutilization of the Area
- Constitute(s) a Menace to the Public Health, Safety, Morals or Welfare

OTHER REQUIRED FINDINGS AND TESTS

Four additional findings and tests are required to be satisfied to add land into an existing business district:

1. **Lack of growth and development through private investment.** The Village is required to evaluate whether a proposed business district or proposed business district expansion area has been subject to growth and development through investment by private enterprises and must substantiate a finding of lack of such investment prior to establishing a business district or adding land to an existing business district.

2. **"But for" the creation or expansion of a business district, the area would not be redeveloped.** The Village must find that the area would not reasonably be anticipated to be developed or redeveloped without the adoption of the business district plan.
3. **Contiguity and substantial benefit.** The boundary of a proposed business district or proposed business district expansion area must contain contiguous parcels that are directly and substantially benefited by the plan.
4. **Conformance to the plans of the village.** A business district plan must conform to the Village's most recent comprehensive plan and any master plans applicable to the proposed business district or proposed business district expansion area.

Methodology Overview

SB Friedman conducted the following analyses to determine whether the West Expansion Area qualifies as a blighted area, as defined by the Law:

- Parcel field observations and photography in March 2024 documenting external conditions of properties and infrastructure;
- Analysis of historic trends in equalized assessed value (EAV) for the last six years (five year-to-year periods) for which data are available and final (2017-2022) from the DuPage County Supervisor of Assessments Office and the Downers Grove Township Assessor's Office;
- Review of a memo from the Village dated April 5th, 2024 (the "Village Memo"); and
- Review of the Village's current Comprehensive Plan (the "1993 Comprehensive Plan").

All properties were examined for qualification factors consistent with the blighted area requirements of the Law.

Eligibility Findings

BLIGHTED AREA FINDING

SB Friedman's research indicates the West Expansion Area qualifies as a blighted area due to the predominance of the following two factors:

1. Defective, Non-Existent or Inadequate Street Layout
2. Deterioration of Site Improvements

Defective, Non-Existent or Inadequate Street Layout

SB Friedman conducted fieldwork and collected data from the Village to assess the street layout and transportation challenges within the West Expansion Area.

The Village Memo states that the large number of access points along Kingery Highway is considered defective relative to current design standards. There are five (5) access points across all adjoining parcels in the West Expansion Area, despite there being auto access across the properties. This makes it difficult to enter or exit in a motorized vehicle, as Kingery Highway gets very congested.

In addition, there are no sidewalks along Kingery Highway within the West Expansion Area, as this space is currently occupied by a stormwater ditch. Other areas along Kingery Highway to the north and south of the West Expansion Area have underground stormwater pipes, which allows for public sidewalks. Therefore, the Village Memo concludes that the lack of walkability is considered defective and inadequate compared to current design standards.

Based on the Village Memo, we found defective and inadequate street layouts to be present throughout the West Expansion Area.

Deterioration of Site Improvements

Physical deterioration of surface improvements and buildings was observed on all nine (9) parcels (100% of all parcels). The most common form of deterioration was on surface improvements, including parking surfaces and walkways. Catalogued surface improvement deterioration included cracking, alligatoring, and crumbling asphalt and concrete. Catalogued building deterioration included deteriorating shingles.

This factor was found to be meaningfully present and reasonably distributed throughout the West Expansion Area.

Effect of Blighting Factors on the West Expansion Area

It appears the present blighting factors have the following effect on the West Expansion Area:

- Constitute an Economic Underutilization of the Area

ECONOMIC UNDERUTILIZATION OF THE AREA

An evaluation of change in property values over time is one of the clearest indicators of whether an area is meeting its economic potential. SB Friedman analyzed the change in the equalized assessed value of the parcels in the West Expansion Area from 2017 to 2022 in comparison to the remainder of the Village.

The West Expansion Area has grown more slowly than the balance of the Village over the last five years. During that time, the West Expansion Area grew by 6.7%, while the balance of the Village grew by 18.7%. The CAGR of the EAV for the West Expansion Area was approximately 1.3% from 2017 to 2022, whereas the CAGR of the EAV for the balance of the Village over the same period was approximately 3.5%. These results are shown in **Table 2** below.

Table 2: Overall Growth in EAV of West Expansion Area and Balance of the Village (2017 – 2022)

	2017	2022
West Expansion Area Parcels EAV	$1.2 M	$1.3 M
Percent Change	---	6.7%
CAGR	---	1.3%
Village EAV Less West Expansion Area Parcels	$437.8 M	$519.8 M
Percent Change	---	18.7%
CAGR	---	3.5%

Sources: Downers Grove Township Assessor's Office, DuPage County Supervisor of Assessments, SB Friedman

The West Expansion Area's property values have grown more slowly from 2017 to 2022 compared to the remainder of the Village. The fact that the West Expansion Area has not attained property value growth on par with the remainder of the Village indicates that the area is economically underutilized.

Other Required Findings and Tests

In addition to the finding of blight, the Law requires that four required findings and tests be satisfied for the designation or expansion of an existing business district. SB Friedman's research, as described below, indicates that the West Expansion Area satisfies these requirements.

1. LACK OF GROWTH AND DEVELOPMENT THROUGH PRIVATE INVESTMENT

As described above and shown in **Table 2**, overall growth in property value within the West Expansion Area has been substantially lower than the remainder of the Village from 2017 to 2022. This indicates a lack of growth and private investment in the West Expansion Area.

Finding: *The West Expansion Area as a whole has not been subject to growth and development through investment by private enterprises.*

2. "BUT FOR" ITS ADDITION TO THE EXISTING BD, THE WEST EXPANSION AREA WOULD NOT ACHIEVE DESIRED REDEVELOPMENT GOALS

Without the support of public resources, the Original Plan's redevelopment objectives would most likely not be realized in the West Expansion Area. The improvements and development assistance needed to upgrade existing infrastructure and support new development and redevelopment are extensive and costly. The private market, on its own, has shown little ability to absorb all such costs. The Village has limited capacity to fund capital improvements of the sort that appear necessary to remove blighting factors.

Given the relative lack of growth in property value, defective and inadequate street layout, and existing surface and building deterioration, substantial redevelopment and economic growth in the West Expansion Area is unlikely to occur without the addition of the West Expansion Area to the Existing BD.

Finding: *The West Expansion Area would not reasonably be anticipated to be redeveloped without its addition to the Existing BD.*

3. CONTIGUOUTY OF PARCELS

Finding: *All parcels in the Expansion Areas are contiguous with the Existing BD and are expected to directly and substantially benefit from their addition to the Existing BD.*

4. CONFORMANCE TO THE PLANS OF THE VILLAGE

Finding: *The addition of the Expansion Areas to the Existing BD would not affect the Original Plan's conformance to the 1993 Comprehensive Plan.*

Summary of Findings

SB Friedman found that the West Expansion Area qualifies to be designated as a "blighted area." The West Expansion Area is blighted due to the predominance of defective and inadequate street layout and deterioration of site improvements and buildings, which constitutes a social liability and an economic underutilization of the area. The West Expansion Area also satisfies the four separate findings and tests required for inclusion in the Existing BD.

Appendix 1: Existing BD & Expansion Areas Boundary Legal Descriptions

THAT PART OF THE SOUTH HALF OF SECTION 23 AND THE NORTH HALF OF SECTION 26 TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN IN DUPAGE COUNTY, ILLINOIS, BEING DESCRIBED AS FOLLOWS:

BEGINNING AT THE MOST EASTERLY SOUTHEAST CORNER OF LOT 1 IN PERSEVERANCE SUBDIVISION, BEING A SUBDIVISION IN THE SOUTHEAST QUARTER OF SAID SECTION 23 AND THE NORTHEAST QUARTER OF SAID SECTION 26, ACCORDING TO THE PLAT THEREOF RECORDED JULY 30, 2007 AS DOCUMENT NO. R2007-141528; THENCE NORTHERLY, WESTERLY, NORTHERLY, EASTERLY AND NORTHERLY ALONG THE EAST LINE OF SAID LOT 1 TO A POINT ON THE SOUTH LINE OF LOT 1 IN WILLOWBROOK CENTER UNIT NO. 1, BEING A SUBDIVISION IN THE SOUTHEAST QUARTER OF SAID SECTION 23, ACCORDING TO THE PLAT THEREOF RECORDED OCTOBER 16, 1963 AS DOCUMENT NO. R63-37895; THENCE EASTERLY ALONG SAID SOUTH LINE TO THE SOUTHEAST CORNER OF SAID LOT 1; THENCE NORTHERLY ALONG THE EAST LINE OF SAID LOT 1 TO A POINT ON THE SOUTH LINE OF LOT 2 IN LENZ' S ASSESSMENT PLAT, BEING A SUBDIVISION IN THE SOUTHEAST QUARTER OF SAID SECTION 23, ACCORDING TO THE PLAT THEREOF RECORDED JULY 5, 1955 AS DOCUMENT NO. 763597; THENCE EASTERLY ALONG SAID SOUTH LINE AND ALONG THE EASTERLY EXTENSION THEREOF TO A POINT ON THE EAST RIGHT-OF-WAY LINE OF ADAMS STREET; THENCE NORTHERLY ALONG SAID EAST RIGHT-OF-WAY LINE TO A POINT ON THE NORTHERLY RIGHT-OF-WAY LINE OF PLAINFIELD ROAD; THENCE SOUTHWESTERLY ALONG SAID NORTHERLY RIGHT-OF-WAY LINE TO THE SOUTHWESTERLY CORNER OF LOT 1 IN 1ST BURLINGTON BANK, WILLOWBROOK RESUBDIVISION, BEING A SUBDIVISION IN THE SOUTHEAST QUARTER OF SAID SECTION 23, ACCORDING TO THE PLAT THEREOF RECORDED SEPTEMBER 23, 1986 AS DOCUMENT NO. R86-115152; THENCE NORTHERLY ALONG THE WEST LINE OF SAID LOT 1 AND ALONG THE NORTHERLY EXTENSION THEREOF TO A POINT ON THE NORTH RIGHT-OF-WAY LINE OF 69TH STREET; THENCE WESTERLY ALONG SAID NORTH RIGHT-OF-WAY LINE TO THE SOUTHWEST CORNER OF LOT 14 IN SCHILLER'S ADDITION, BEING A SUBDIVISION IN THE SOUTHEAST QUARTER OF SAID SECTION 23, ACCORDING TO THE PLAT THEREOF RECORDED JUNE 14, 1950 AS DOCUMENT NO. 595530; THENCE NORTHERLY ALONG THE WEST LINE OF SAID LOT 14 TO THE SOUTHWEST CORNER OF LOT 12 IN WEST TOWN DEVELOPMENT COMPANY'S RESUBDIVISION, BEING A SUBDIVISION IN THE SOUTHEAST QUARTER OF SAID SECTION 23, ACCORDING TO THE PLAT THEREOF RECORDED JULY 22, 1955 AS DOCUMENT NO. 766039; THENCE NORTHERLY ALONG THE WEST LINE OF SAID LOT 12 AND ALONG THE WEST LINE OF LOT 13 IN SAID WEST TOWN DEVELOPMENT COMPANY'S RESUBDIVISION TO THE NORTHEAST CORNER OF PARCEL 1 IN WILLOWBROOK OFFICE PARK LOT 12 ASSESSMENT PLAT, BEING A SUBDIVISION IN THE SOUTHEAST QUARTER OF SAID SECTION 23, ACCORDING TO THE PLAT THEREOF RECORDED SEPTEMBER 8, 2005 AS DOCUMENT NO. R2005-197465; THENCE WESTERLY, SOUTHERLY, SOUTHWESTERLY AND WESTERLY ALONG THE NORTH LINE OF SAID PARCEL 1 115.50 FEET (MORE OR LESS) TO A POINT ON THE NORTHEASTERLY LINE OF A PERMANENT EASEMENT (AS SHOWN ON AN EASEMENT EXHIBIT PREPARED BY MANHARD CONSULTING, LTD AND DATED JUNE 9, 2016); THENCE NORTHWESTERLY ALONG SAID NORTHEASTERLY PERMANENT EASEMENT LINE TO A POINT ON THE EAST RIGHT-OF-WAY LINE OF ILLINOIS ROUTE 83; THENCE NORTHERLY ALONG SAID EAST RIGHT-OF-WAY LINE TO A POINT OF INTERSECTION WITH THE EASTERLY EXTENSION OF THE NORTH LINE OF LOT 15 IN BLOCK 35 IN TRI STATE VILLAGE UNIT NO. 5, BEING A SUBDIVISION IN THE SOUTHWEST QUARTER OF SAID SECTION 23 AND THE NORTHWEST QUARTER OF SAID SECTION 26, ACCORDING TO THE PLAT THEREOF RECORDED JULY 20, 1944 AS DOCUMENT NO. 465114; THENCE WESTERLY ALONG SAID EASTERLY EXTENSION TO A POINT ON THE

WEST RIGHT-OF-WAY LINE OF SAID ILLINOIS ROUTE 83; THENCE SOUTHERLY ALONG SAID WEST RIGHT-OF-WAY LINE TO A POINT OF INTERSECTION WITH THE WESTERLY EXTENSION OF THE SOUTH RIGHT-OF-WAY LINE OF 72ND COURT; THENCE EASTERLY ALONG SAID WESTERLY EXTENSION TO A POINT OF INTERSECTION WITH SAID EAST RIGHT-OF-WAY LINE OF ILLINOIS ROUTE 83; THENCE EASTERLY, SOUTHERLY AND EASTERLY ALONG SAID SOUTH RIGHT-OF-WAY LINE OF 72ND COURT TO A POINT ON THE EAST LINE OF LOT 6 IN HINSDALE HIGHLAND ESTATES, BEING A SUBDIVISION IN THE NORTHEAST QUARTER OF SAID SECTION 26, ACCORDING TO THE PLAT THEREOF RECORDED JULY 23, 1954 AS DOCUMENT NO. 720969; THENCE NORTHERLY ALONG SAID EAST LINE EXTENDED NORTHERLY TO THE POINT OF BEGINNING.

INCLUDING THE FOLLOWING DESCRIBED LAND (West Expansion Area):

THAT PART OF THE EAST HALF OF THE SOUTHWEST QUARTER OF SECTION 23, TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN IN DUPAGE COUNTY, ILLINOIS, BEING DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHEAST CORNER OF LOT 3 IN TRI-STATE VILLAGE UNIT NO. 5, ACCORDING TO THE PLAT THEREOF, RECORDED JULY 20, 1944 AS DOCUMENT NUMBER R1944-465114, SAID NORTHEAST CORNER OF LOT 3 ALSO BEING A POINT ON THE WEST RIGHT-OF-WAY LINE OF ILLINOIS ROUTE 83; THENCE SOUTH ALONG SAID WEST RIGHT-OF-WAY OF ILLINOIS ROUTE 83 TO THE SOUTHEAST CORNER OF LOT 10 IN SAID TRI-STATE VILLAGE UNIT NO. 5; THENCE WEST ALONG THE SOUTH LINE OF SAID LOT 10 TO THE SOUTHWEST CORNER THEREOF, SAID SOUTHWEST CORNER ALSO BEING A POINT ON THE EAST LINE OF LOT 18 IN SAID TRI-STATE VILLAGE UNIT NO. 5; THENCE NORTH ALONG THE WEST LINES OF LOTS 18 THRU 21 INCLUSIVE IN SAID TRI-STATE VILLAGE UNIT NO. 5 TO THE NORTHEAST CORNER OF SAID LOT 21; THENCE WEST ALONG THE NORTH LINE OF SAID LOT 21 TO THE SOUTHWEST CORNER OF THEREOF, SAID SOUTHWEST CORNER ALSO BEING A POINT ON THE EAST RIGHT-OF-WAY LINE OF CREST ROAD; THENCE NORTHERLY ALONG SAID WEST RIGHT-OF-WAY LINE OF CREST ROAD TO THE NORTHWEST CORNER OF LOT 25 IN SAID TRI-STATE VILLAGE UNIT NO. 5; THENCE SOUTHEASTERLY ALONG THE NORTHERLY LINE OF SAID LOT 25 TO THE NORTHEAST CORNER THEREOF TO A POINT ON THE WEST LINE OF LOT 4 IN SAID TRI-STATE VILLAGE UNIT NO. 5; THENCE NORTH ALONG SAID WEST LINE OF LOT 4 AND CONTINUING NORTH ALONG THE WEST LINE OF SAID LOT 3 TO THE NORTHWEST CORNER THEREOF; THENCE EAST ALONG THE NORTH LINE OF SAID LOT 3 TO THE POINT OF BEGINNING.

ALSO INCLUDING THE FOLLOWING DESCRIBED PARCEL OF LAND (East Expansion Area):

THAT PART OF THE WEST HALF OF THE SOUTHEAST QUARTER OF SECTION 23, TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN IN DUPAGE COUNTY, ILLINOIS, BEING DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEAST CORNER OF LOT 1 IN 1ST BURLINGTON BANK, WILLOWBROOK RESUBDIVISION, ACCORDING TO THE PLAT THEREOF, RECORDED SEPTEMBER 23, 1986 AS DOCUMENT NUMBER R86-115152, SAID SOUTHEAST CORNER ALSO BEING A POINT ON THE NORTHWESTERLY RIGHT-OF-WAY LINE OF PLAINFIELD ROAD; THENCE SOUTHWESTERLY ALONG SAID NORTHWESTERLY RIGHT-OF-WAY LINE OF SAID PLAINFIELD ROAD TO THE SOUTHWEST CORNER THEREOF; THENCE NORTHERLY ALONG THE WEST LINE OF SAID LOT 1 AND ALONG THE NORTHERLY EXTENSION THEREOF TO A POINT ON THE NORTH RIGHT-OF-WAY LINE OF 69TH STREET; THENCE EAST ALONG SAID NORTH RIGHT-OF-WAY LINE OF 69TH STREET TO A POINT OF INTERSECTION WITH THE NORTHERLY EXTENSION OF THE EAST LINE OF SAID

LOT 1; THENCE SOUTH ALONG SAID NORTHERLY EXTENSION AND EAST LINE OF SAID LOT 1 TO AN ANGLE POINT IN SAID EAST LINE; THENCE EAST ALONG SAID EASTERLY LINE TO ANOTHER ANGLE POINT; THENCE SOUTH ALONG SAID EAST LINE OF LOT 1 TO THE POINT OF BEGINNING.

EXCEPTING THEREFROM THE FOLLOWING DESCRIBED PARCEL (P. I. N. 09-23-405-019):

THAT PART OF LOT 4 WHICH LIES EAST OF THE EAST LINE OF ILLINOIS ROUTE 83 AND NORTHERLY OF THE NORTHERLY RIGHT-OF-WAY LINE OF PLAINFIELD ROAD AS PER PLAT OF DEDICATION RECORDED JUNE 27, 1961 AS DOCUMENT NO. R61-11952 AND WHICH LIES SOUTH OF A LINE DRAWN PERPENDICULAR TO THE EAST LINE OF SAID ILLINOIS ROUTE 83 TO A POINT WHICH IS 298.40 FEET NORTH OF THE CENTER LINE OF PLAINFIELD ROAD (MEASURED ALONG THE EAST LINE OF SAID ROUTE 83),

ALSO, THAT PART OF LOT 3 WHICH LIES NORTHERLY OF THE NORTHERLY RIGHT-OF-WAY LINE OF PLAINFIELD ROAD AS PER PLAT OF DEDICATION RECORDED JUNE 27, 1961 AS DOCUMENT NO. R61-11952, AND WHICH LIES SOUTHERLY OF A LINE DRAWN FROM A POINT IN THE WEST LINE OF SAID LOT 3, SAID POINT BEING 138.94 FEET NORTH OF THE NORTH LINE OF SAID PLAINFIELD ROAD (MEASURED ALONG SAID WEST LINE OF LOT 3) TO A POINT IN THE NORTHERLY LINE OF SAID PLAINFIELD ROAD, SAID LOTS 3 AND 4 BEING IN OWNER'S SUBDIVISION OF THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 23, AND THE WEST HALF OF THE NORTHEAST QUARTER OF SECTION 26, ALL IN TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED APRIL 24, 1931 AS DOCUMENT NO. 311500, IN DUPAGE COUNTY, ILLINOIS.

Appendix 2: List of PINs in Expansion Areas

East Expansion Area	West Expansion Area
09-23-405-022	09-23-310-004
	09-23-310-005
	09-23-310-006
	09-23-310-007
	09-23-310-029
	09-23-310-030
	09-23-310-033
	09-23-310-034
	09-23-310-035

Sources: DuPage County Supervisor of Assessments, SB Friedman

Appendix 3. Limitations of Engagement

The Eligibility Study covers events and conditions that were determined to support the inclusion of both the East Expansion Area and West Expansion Area in the existing Illinois Route 83/Plainfield Road Business District under the Law at the completion of our field research in March 2024 and not thereafter. SB Friedman's findings do not consider events or conditions that may have occurred after completion of field research, including, without limitation, governmental actions and additional development.

The Eligibility Study summarizes the analysis and findings of the consultant's work, which, unless otherwise noted, is solely the responsibility of SB Friedman. The Village is entitled to rely on the findings and conclusions of the Eligibility Study in amending the existing Illinois Route 83/Plainfield Road Business District to include the East Expansion Area and/or the West Expansion Area under the Law.

The Eligibility Study is based on estimates, assumptions, and other information developed from research of the market, knowledge of the industry, and meetings during which we obtained certain information. The sources of information and bases of the estimates and assumptions are stated in the Eligibility Study. Some assumptions inevitably will not materialize, and unanticipated events and circumstances may occur. Therefore, actual results achieved will necessarily vary from those described in the Eligibility Study, and the variations may be material.

The terms of this engagement are such that we have no obligation to revise the Eligibility Study to reflect events or conditions which occur subsequent to the date of the Eligibility Study. These events or conditions include, without limitation, economic growth trends, governmental actions, additional competitive developments, interest rates, and other market factors. However, we will be available to discuss the necessity for revision in view of changes in economic or market factors.

Neither the Eligibility Study nor its contents, nor any reference to SB Friedman, may be included or quoted in any offering circular or registration statement, appraisal, sales brochure, prospectus, loan, or other agreement or document intended for use in obtaining funds from individual investors, without prior written consent.

ORDINANCE NO. _____

AN ORDINANCE PROPOSING THE EXPANSION OF THE BOUNDARIES OF THE ROUTE 83/PLAINFIELD ROAD BUSINESS DISTRICT IN THE VILLAGE OF WILLOWBROOK AND THE SCHEDULING OF A RELATED PUBLIC HEARING

WHEREAS, the Village of Willowbrook ("***Village***") is a home rule municipality pursuant to Section 7 of Article VII of the Constitution of the State of Illinois; and

WHEREAS, pursuant to its powers and in accordance with the Business District Development and Redevelopment Law, 65 ILCS 5/11-74.3-1, *et seq*., as amended ("***Business District Law***"), 65 ILCS 5/8-1-2.5, and Ordinance Nos. 16-O-30, 16-O-31, and 16-O-32, adopted July 11, 2016 (collectively, the "***Ordinances***"), the Village established the Illinois Route 83/Plainfield Road Business District ("***Business District***"), approved a Business District plan ("***Business District Plan***"), and imposed an additional retailers' occupation tax and service occupation tax ("***Business District Tax***") therein; and

WHEREAS, the Village is considering expanding the boundaries of the Business District to include properties within the "West Expansion Area" and the "East Expansion Area," as each are legally described in **EXHIBIT A** and depicted in **EXHIBIT B** attached to this Ordinance (collectively, the "***Proposed Expansion Areas***") to induce the revitalization of the Proposed Expansion Areas with desired uses; and

WHEREAS, the Proposed Expansion Areas are located entirely within the Village; and

WHEREAS, the Village does not anticipate that the Proposed Expansion Areas will be adequately redeveloped without their inclusion in the Business District; and

WHEREAS, the Village commissioned a study by SB Friedman Development Advisors, LLC ("***SB Friedman***"), to determine whether the Proposed Expansion Areas meet the qualifications for inclusion within the Business District under the Business District Law; and

WHEREAS, after extensive review of the Proposed Expansion Areas, SB Friedman delivered a report to the Village in which SB Friedman concludes that the Proposed Expansion Areas qualify as blighted areas under the Business District Law ("***Eligibility Report***"); and

WHEREAS, in light of SB Friedman's review of the Proposed Expansion Areas and pursuant to extensive discussions with Village officials and others interested in the Proposed Expansion Areas, the Village prepared amendments to the Business District Plan for the redevelopment of the Proposed Expansion Areas within the Business District ("***Business District Plan Amendments***"); and

WHEREAS, the Eligibility Report and the Business District Plan Amendments have been on file and available at the Willowbrook Village Hall since June 24, 2024; and

WHEREAS, in order to continue its consideration of the possible inclusion of the Proposed Expansion Areas within the Business District as blighted areas pursuant to the Business District Law, the Village Mayor and Board of Trustees have determined that it is in the best interest

of the Village and its residents to initiate the process for amending the Business District boundaries to include the Proposed Expansion Areas, including the setting of a time and place for a public hearing on the possible inclusion of the Proposed Expansion Ares within the Business District under the Business District Law and consideration of the Eligibility Report and the Business District Plan Amendments; and

NOW, THEREFORE, BE IT ORDAINED, by the Mayor and Board of Trustees of the Village of Willowbrook, DuPage County, Illinois, as follows:

SECTION 1. Incorporation. The recitals above are incorporated into this Ordinance.

SECTION 2. Setting Time and Place for Public Hearing. The Village Mayor and Board of Trustees hereby establish August 26, 2024, at 6:30 p.m. as the date and time for a public hearing to be conducted by the Village Board on the possible inclusion of the Proposed Expansion Areas as blighted areas within the Business District under the Business District Law and approval of the Business District Plan Amendments. The public hearing will be held at the Willowbrook Community Resource Center, 825 Midway Drive, Willowbrook, Illinois. The Village Board reserves the right to continue the hearing to a later date and time without further published notice should a continuance become necessary.

SECTION 3. Authorization for Public Notices and Other Actions. The Village Mayor and Board of Trustees hereby authorize and direct the Village Administrator and the Village Clerk to do or cause to be done all things necessary or desirable for purposes of giving the public notice of the public hearing, including the publication of notice in substantially the form attached to this Ordinance as **EXHIBIT C**, and any and all other statutorily required steps precedent to the inclusion of the Proposed Expansion Areas as blighted areas within the Business District pursuant to the Business District Law.

SECTION 4. Effective Date. This Ordinance will be in full force and effect from and after its passage, approval and publication in pamphlet form as provided by law.

[THIS SPACE INTENTIONALLY LEFT BLANK]

ADOPTED this 8th day of July, 2024, pursuant to a roll call vote as follows:

AYES:_____

NAYS:_____

ABSENT:_____

APPROVED this 8th day of July, 2024, by the Mayor of the Village of Willowbrook, and attested by the Village Clerk, on the same day.

_____
Mayor

APPROVED and FILED in my office this 8th day of July, 2024 and published in pamphlet form in the Village of Willowbrook, DuPage County, Illinois.

ATTEST:

_____
Village Clerk

EXHIBIT A

LEGAL DESCRIPTION OF WEST EXPANSION AREA

THAT PART OF THE EAST HALF OF THE SOUTHWEST QUARTER OF SECTION 23, TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN IN DUPAGE COUNTY, ILLINOIS, BEING DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHEAST CORNER OF LOT 3 IN TRI-STATE VILLAGE UNIT NO. 5, ACCORDING TO THE PLAT THEREOF, RECORDED JULY 20, 1944 AS DOCUMENT NUMBER R1944-465114, SAID NORTHEAST CORNER OF LOT 3 ALSO BEING A POINT ON THE WEST RIGHT-OF-WAY LINE OF ILLINOIS ROUTE 83; THENCE SOUTH ALONG SAID WEST RIGHT-OF-WAY OF ILLINOIS ROUTE 83 TO THE SOUTHEAST CORNER OF LOT 10 IN SAID TRI-STATE VILLAGE UNIT NO. 5; THENCE WEST ALONG THE SOUTH LINE OF SAID LOT 10 TO THE SOUTHWEST CORNER THEREOF, SAID SOUTHWEST CORNER ALSO BEING A POINT ON THE EAST LINE OF LOT 18 IN SAID TRI-STATE VILLAGE UNIT NO. 5; THENCE NORTH ALONG THE WEST LINES OF LOTS 18 THRU 21 INCLUSIVE IN SAID TRI-STATE VILLAGE UNIT NO. 5 TO THE NORTHEAST CORNER OF SAID LOT 21; THENCE WEST ALONG THE NORTH LINE OF SAID LOT 21 TO THE SOUTHWEST CORNER OF THEREOF, SAID SOUTHWEST CORNER ALSO BEING A POINT ON THE EAST RIGHT-OF-WAY LINE OF CREST ROAD; THENCE NORTHERLY ALONG SAID WEST RIGHT-OF-WAY LINE OF CREST ROAD TO THE NORTHWEST CORNER OF LOT 25 IN SAID TRI-STATE VILLAGE UNIT NO. 5; THENCE SOUTHEASTERLY ALONG THE NORTHERLY LINE OF SAID LOT 25 TO THE NORTHEAST CORNER THEREOF TO A POINT ON THE WEST LINE OF LOT 4 IN SAID TRI-STATE VILLAGE UNIT NO. 5; THENCE NORTH ALONG SAID WEST LINE OF LOT 4 AND CONTINUING NORTH ALONG THE WEST LINE OF SAID LOT 3 TO THE NORTHWEST CORNER THEREOF; THENCE EAST ALONG THE NORTH LINE OF SAID LOT 3 TO THE POINT OF BEGINNING.

LEGAL DESCRIPTION OF EAST EXPANSION AREA

THAT PART OF THE WEST HALF OF THE SOUTHEAST QUARTER OF SECTION 23, TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN IN DUPAGE COUNTY, ILLINOIS, BEING DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEAST CORNER OF LOT 1 IN 1ST BURLINGTON BANK, WILLOWBROOK RESUBDIVISION, ACCORDING TO THE PLAT THEREOF, RECORDED SEPTEMBER 23, 1986 AS DOCUMENT NUMBER R86-115152, SAID SOUTHEAST CORNER ALSO BEING A POINT ON THE NORTHWESTERLY RIGHT-OF-WAY LINE OF PLAINFIELD ROAD; THENCE SOUTHWESTERLY ALONG SAID NORTHWESTERLY RIGHT-OF-WAY LINE OF SAID PLAINFIELD ROAD TO THE SOUTHWEST CORNER THEREOF; THENCE NORTHERLY ALONG THE WEST LINE OF SAID LOT 1 AND ALONG THE NORTHERLY EXTENSION THEREOF TO A POINT ON THE NORTH RIGHT-OF-WAY LINE OF 69TH STREET; THENCE EAST ALONG SAID NORTH RIGHT-OF-WAY LINE OF 69TH STREET TO A POINT OF INTERSECTION WITH THE NORTHERLY EXTENSION OF THE EAST LINE OF SAID LOT 1; THENCE SOUTH ALONG SAID

NORTHERLY EXTENSION AND EAST LINE OF SAID LOT 1 TO AN ANGLE POINT IN SAID EAST LINE; THENCE EAST ALONG SAID EASTERLY LINE TO ANOTHER ANGLE POINT; THENCE SOUTH ALONG SAID EAST LINE OF LOT 1 TO THE POINT OF BEGINNING.

EXHIBIT B

~~DEPICTION OF~~ PROPOSED EXPANSION AREAS

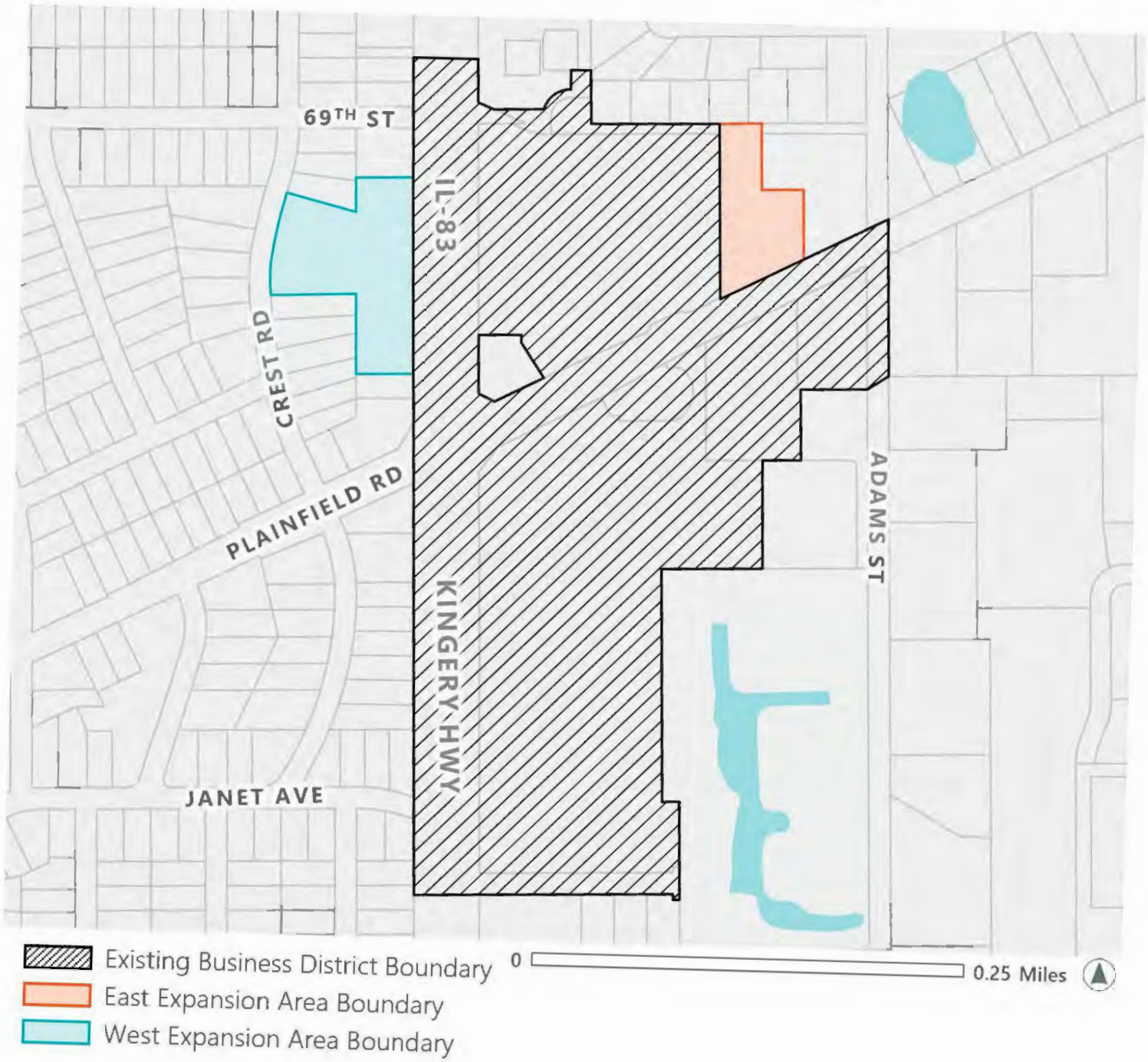


EXHIBIT C

NOTICE OF PUBLIC HEARING

VILLAGE OF WILLOWBROOK
PROPOSED EXPANSION OF THE BOUNDARIES OF THE
ROUTE 83/PLAINFIELD ROAD BUSINESS DISTRICT

NOTICE IS HEREBY GIVEN that the Corporate Authorities of the Village of Willowbrook ("***Village***") will hold a public hearing on August 26, 2024, at 6:30 p.m., at the Willowbrook Community Resource Center, 825 Midway Drive, Willowbrook, Illinois ("***Hearing***"), to consider whether to add the "West Expansion Area" and the "East Expansion Area" territories described in ***Exhibit 1*** attached hereto (collectively, the "***Proposed Expansion Areas***") to the existing Route 83/Plainfield Road Business District described in ***Exhibit 2*** attached hereto ("***Business District***") with a finding and determination that the Proposed Expansion Areas are blighted areas as set forth in the Illinois Business District Development and Redevelopment Law, 65 ILCS 5/11-74.3-1 *et seq*. ("***Law***"), and whether to approve an amendment to the Business District plan ("***Business District Plan***") regarding the Proposed Expansion Areas, all as set forth in the Law.

All interested persons will be given an opportunity to be heard at the Hearing. The proposed amendment to the Business District Plan addressing the Proposed Expansion Areas to be considered at the Hearing provides, generally, that the Village may expend Business District funds and enter into agreements with developers or business owners and tenants to provide certain public and private improvements in the Proposed Expansion Areas to enhance the immediate area and to serve the needs of development and the interests of the Village and its residents, and to eliminate the blighting conditions therein. The Village intends to develop the Proposed Expansion Areas in accordance with the Village's Comprehensive Plan, further contributing to the long-term economic health and vitality of the Village. Proposed Village projects in the Proposed Expansion Areas may include, without limitation, all the activities, improvements, and projects permitted by the Law and as set forth in the Business District Plan, which include, without limitation:

1. Improvement of public utilities.

2. Property acquisition.

3. Environmental remediation and site preparation.

4. Construction, installation, and rehabilitation of buildings, structures, works, streets, improvements, equipment, utilities, and fixtures; improvement of roadways, alleyways and sidewalks.

5. Beautification and installation of identification markers, landscaping, and streetscaping.

6. Relocation and extension of utilities.

7. Elimination of blighting conditions.

The Village may impose a 1% retailers' occupation tax and a 1% service occupation tax, as permitted by the Law, in the Proposed Expansion Areas for the planning, execution, and implementation of the Business District Plan, as amended, and to pay for Business District project costs as set forth in the Business District Plan, as amended.

A copy of the Business District Plan amendment under consideration for the Proposed Expansion Areas is available at the Willowbrook Village Hall, 835 Midway Drive, Willowbrook, Illinois, for review. Any party interested in submitting an alternative proposal or bid for any proposed conveyance, lease, mortgage, or other disposition by the Village of Willowbrook of land or rights in land owned by the Village and located within the Proposed Expansion Areas, should contact the Village Administrator, Willowbrook Village Hall, 835 Midway Drive, Willowbrook, Illinois, (630) 323-8215. Any alternative proposals or bids must be addressed to and submitted to the Village Administrator at the above-listed Village Hall address, no later than the Friday before the Hearing, on or before August 23, 2024 at 4:00 p.m.

_____
Village Clerk
Village of Willowbrook
DuPage County, Illinois

EXHIBIT 1

LEGAL DESCRIPTION OF THE PROPOSED EXPANSION AREAS

LEGAL DESCRIPTION OF WEST EXPANSION AREA

THAT PART OF THE EAST HALF OF THE SOUTHWEST QUARTER OF SECTION 23, TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN IN DUPAGE COUNTY, ILLINOIS, BEING DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHEAST CORNER OF LOT 3 IN TRI-STATE VILLAGE UNIT NO. 5, ACCORDING TO THE PLAT THEREOF, RECORDED JULY 20, 1944 AS DOCUMENT NUMBER R1944-465114, SAID NORTHEAST CORNER OF LOT 3 ALSO BEING A POINT ON THE WEST RIGHT-OF-WAY LINE OF ILLINOIS ROUTE 83; THENCE SOUTH ALONG SAID WEST RIGHT-OF-WAY OF ILLINOIS ROUTE 83 TO THE SOUTHEAST CORNER OF LOT 10 IN SAID TRI-STATE VILLAGE UNIT NO. 5; THENCE WEST ALONG THE SOUTH LINE OF SAID LOT 10 TO THE SOUTHWEST CORNER THEREOF, SAID SOUTHWEST CORNER ALSO BEING A POINT ON THE EAST LINE OF LOT 18 IN SAID TRI-STATE VILLAGE UNIT NO. 5; THENCE NORTH ALONG THE WEST LINES OF LOTS 18 THRU 21 INCLUSIVE IN SAID TRI-STATE VILLAGE UNIT NO. 5 TO THE NORTHEAST CORNER OF SAID LOT 21; THENCE WEST ALONG THE NORTH LINE OF SAID LOT 21 TO THE SOUTHWEST CORNER OF THEREOF, SAID SOUTHWEST CORNER ALSO BEING A POINT ON THE EAST RIGHT-OF-WAY LINE OF CREST ROAD; THENCE NORTHERLY ALONG SAID WEST RIGHT-OF-WAY LINE OF CREST ROAD TO THE NORTHWEST CORNER OF LOT 25 IN SAID TRI-STATE VILLAGE UNIT NO. 5; THENCE SOUTHEASTERLY ALONG THE NORTHERLY LINE OF SAID LOT 25 TO THE NORTHEAST CORNER THEREOF TO A POINT ON THE WEST LINE OF LOT 4 IN SAID TRI-STATE VILLAGE UNIT NO. 5; THENCE NORTH ALONG SAID WEST LINE OF LOT 4 AND CONTINUING NORTH ALONG THE WEST LINE OF SAID LOT 3 TO THE NORTHWEST CORNER THEREOF; THENCE EAST ALONG THE NORTH LINE OF SAID LOT 3 TO THE POINT OF BEGINNING.

LEGAL DESCRIPTION OF EAST EXPANSION AREA

THAT PART OF THE WEST HALF OF THE SOUTHEAST QUARTER OF SECTION 23, TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN IN DUPAGE COUNTY, ILLINOIS, BEING DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEAST CORNER OF LOT 1 IN 1ST BURLINGTON BANK, WILLOWBROOK RESUBDIVISION, ACCORDING TO THE PLAT THEREOF, RECORDED SEPTEMBER 23, 1986 AS DOCUMENT NUMBER R86-115152, SAID SOUTHEAST CORNER ALSO BEING A POINT ON THE NORTHWESTERLY RIGHT-OF-WAY LINE OF PLAINFIELD ROAD; THENCE SOUTHWESTERLY ALONG SAID NORTHWESTERLY RIGHT-OF-WAY LINE OF SAID PLAINFIELD ROAD TO THE SOUTHWEST CORNER THEREOF; THENCE NORTHERLY ALONG THE WEST LINE OF SAID LOT 1 AND ALONG THE NORTHERLY EXTENSION THEREOF TO A POINT ON THE NORTH RIGHT-

OF-WAY LINE OF 69TH STREET; THENCE EAST ALONG SAID NORTH RIGHT-OF-WAY LINE OF 69TH STREET TO A POINT OF INTERSECTION WITH THE NORTHERLY EXTENSION OF THE EAST LINE OF SAID LOT 1; THENCE SOUTH ALONG SAID NORTHERLY EXTENSION AND EAST LINE OF SAID LOT 1 TO AN ANGLE POINT IN SAID EAST LINE; THENCE EAST ALONG SAID EASTERLY LINE TO ANOTHER ANGLE POINT; THENCE SOUTH ALONG SAID EAST LINE OF LOT 1 TO THE POINT OF BEGINNING.

PINs: 09-23-310-004, 09-23-310-005, 09-23-310-006, 09-23-310-007, 09-23-310-029, 09-23-310-030, 09-23-310-033, 09-23-310-034, 09-23-310-035, and 09-23-405-022.

Common addresses include: 6920 S. Kingery Highway, 6930 S. Kingery Highway, 6938 S. Kingery Highway, 720-730 Plainfield Road, Willowbrook, Illinois.

Street location: the West Expansion Area is generally located on the west side of Illinois Route 83, south of 69th Street, and the East Expansion Area is generally located north of Plainfield Road and west of Adams Street, and both Expansion Areas include any adjoining rights of way within the Village of Willowbrook.

EXHIBIT 2

LEGAL DESCRIPTION OF THE EXISTING BUSINESS DISTRICT BOUNDARIES

THAT PART OF THE SOUTH HALF OF SECTION 23 AND THE NORTH HALF OF SECTION 26 TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN IN DUPAGE COUNTY, ILLINOIS, BEING DESCRIBED AS FOLLOWS:

BEGINNING AT THE MOST EASTERLY SOUTHEAST CORNER OF LOT 1 IN PERSEVERANCE SUBDIVISION, BEING A SUBDIVISION IN THE SOUTHEAST QUARTER OF SAID SECTION 23 AND THE NORTHEAST QUARTER OF SAID SECTION 26, ACCORDING TO THE PLAT THEREOF RECORDED JULY 30, 2007 AS DOCUMENT NO. R2007-141528; THENCE NORTHERLY, WESTERLY, NORTHERLY, EASTERLY AND NORTHERLY ALONG THE EAST LINE OF SAID LOT 1 TO A POINT ON THE SOUTH LINE OF LOT 1 IN WILLOWBROOK CENTER UNIT NO. 1, BEING A SUBDIVISION IN THE SOUTHEAST QUARTER OF SAID SECTION 23, ACCORDING TO THE PLAT THEREOF RECORDED OCTOBER 16, 1963 AS DOCUMENT NO. R63-37895; THENCE EASTERLY ALONG SAID SOUTH LINE TO THE SOUTHEAST CORNER OF SAID LOT 1; THENCE NORTHERLY ALONG THE EAST LINE OF SAID LOT 1 TO A POINT ON THE SOUTH LINE OF LOT 2 IN LENZ' S ASSESSMENT PLAT, BEING A SUBDIVISION IN THE SOUTHEAST QUARTER OF SAID SECTION 23, ACCORDING TO THE PLAT THEREOF RECORDED JULY 5, 1955 AS DOCUMENT NO. 763597; THENCE EASTERLY ALONG SAID SOUTH LINE AND ALONG THE EASTERLY EXTENSION THEREOF TO A POINT ON THE EAST RIGHT-OF-WAY LINE OF ADAMS STREET; THENCE NORTHERLY ALONG SAID EAST RIGHT-OF-WAY LINE TO A POINT ON THE NORTHERLY RIGHT-OF-WAY LINE OF PLAINFIELD ROAD; THENCE SOUTHWESTERLY ALONG SAID NORTHERLY RIGHT-OF-WAY LINE TO THE SOUTHWESTERLY CORNER OF LOT 1 IN 1ST BURLINGTON BANK, WILLOWBROOK RESUBDIVISION, BEING A SUBDIVISION IN THE SOUTHEAST QUARTER OF SAID SECTION 23, ACCORDING TO THE PLAT THEREOF RECORDED SEPTEMBER 23, 1986 AS DOCUMENT NO. R86-115152; THENCE NORTHERLY ALONG THE WEST LINE OF SAID LOT 1 AND ALONG THE NORTHERLY EXTENSION THEREOF TO A POINT ON THE NORTH RIGHT-OF-WAY LINE OF 69TH STREET; THENCE WESTERLY ALONG SAID NORTH RIGHT-OF-WAY LINE TO THE SOUTHWEST CORNER OF LOT 14 IN SCHILLER'S ADDITION, BEING A SUBDIVISION IN THE SOUTHEAST QUARTER OF SAID SECTION 23, ACCORDING TO THE PLAT THEREOF RECORDED JUNE 14, 1950 AS DOCUMENT NO. 595530; THENCE NORTHERLY ALONG THE WEST LINE OF SAID LOT 14 TO THE SOUTHWEST CORNER OF LOT 12 IN WEST TOWN DEVELOPMENT COMPANY'S RESUBDIVISION, BEING A SUBDIVISION IN THE SOUTHEAST QUARTER OF SAID SECTION 23, ACCORDING TO THE PLAT THEREOF RECORDED JULY 22, 1955 AS DOCUMENT NO. 766039; THENCE NORTHERLY ALONG THE WEST LINE OF SAID LOT 12 AND ALONG THE WEST LINE OF LOT 13 IN SAID WEST TOWN DEVELOPMENT COMPANY'S RESUBDIVISION TO THE NORTHEAST CORNER OF PARCEL 1 IN WILLOWBROOK OFFICE PARK LOT 12

ASSESSMENT PLAT, BEING A SUBDIVISION IN THE SOUTHEAST QUARTER OF SAID SECTION 23, ACCORDING TO THE PLAT THEREOF RECORDED SEPTEMBER 8, 2005 AS DOCUMENT NO. R2005-197465; THENCE WESTERLY, SOUTHERLY, SOUTHWESTERLY AND WESTERLY ALONG THE NORTH LINE OF SAID PARCEL 1 115.50 FEET (MORE OR LESS) TO A POINT ON THE NORTHEASTERLY LINE OF A PERMANENT EASEMENT (AS SHOWN ON AN EASEMENT EXHIBIT PREPARED BY MANHARD CONSULTING, LTD AND DATED JUNE 9, 2016); THENCE NORTHWESTERLY ALONG SAID NORTHEASTERLY PERMANENT EASEMENT LINE TO A POINT ON THE EAST RIGHT-OF-WAY LINE OF ILLINOIS ROUTE 83; THENCE NORTHERLY ALONG SAID EAST RIGHT-OF-WAY LINE TO A POINT OF INTERSECTION WITH THE EASTERLY EXTENSION OF THE NORTH LINE OF LOT 15 IN BLOCK 35 IN TRI STATE VILLAGE UNIT NO. 5, BEING A SUBDIVISION IN THE SOUTHWEST QUARTER OF SAID SECTION 23 AND THE NORTHWEST QUARTER OF SAID SECTION 26, ACCORDING TO THE PLAT THEREOF RECORDED JULY 20, 1944 AS DOCUMENT NO. 465114; THENCE WESTERLY ALONG SAID EASTERLY EXTENSION TO A POINT ON THE WEST RIGHT-OF-WAY LINE OF SAID ILLINOIS ROUTE 83; THENCE SOUTHERLY ALONG SAID WEST RIGHT-OF-WAY LINE TO A POINT OF INTERSECTION WITH THE WESTERLY EXTENSION OF THE SOUTH RIGHT-OF-WAY LINE OF 72ND COURT; THENCE EASTERLY ALONG SAID WESTERLY EXTENSION TO A POINT OF INTERSECTION WITH SAID EAST RIGHT-OF-WAY LINE OF ILLINOIS ROUTE 83; THENCE EASTERLY, SOUTHERLY AND EASTERLY ALONG SAID SOUTH RIGHT-OF-WAY LINE OF 72ND COURT TO A POINT ON THE EAST LINE OF LOT 6 IN HINSDALE HIGHLAND ESTATES, BEING A SUBDIVISION IN THE NORTHEAST QUARTER OF SAID SECTION 26, ACCORDING TO THE PLAT THEREOF RECORDED JULY 23, 1954 AS DOCUMENT NO. 720969; THENCE NORTHERLY ALONG SAID EAST LINE EXTENDED NORTHERLY TO THE POINT OF BEGINNING.

EXCEPTING THEREFROM THE FOLLOWING DESCRIBED PARCEL (P. I. N. 09-23-405-019):

THAT PART OF LOT 4 WHICH LIES EAST OF THE EAST LINE OF ILLINOIS ROUTE 83 AND NORTHERLY OF THE NORTHERLY RIGHT-OF-WAY LINE OF PLAINFIELD ROAD AS PER PLAT OF DEDICATION RECORDED JUNE 27, 1961 AS DOCUMENT NO. R61-11952 AND WHICH LIES SOUTH OF A LINE DRAWN PERPENDICULAR TO THE EAST LINE OF SAID ILLINOIS ROUTE 83 TO A POINT WHICH IS 298.40 FEET NORTH OF THE CENTER LINE OF PLAINFIELD ROAD (MEASURED ALONG THE EAST LINE OF SAID ROUTE 83),

ALSO, THAT PART OF LOT 3 WHICH LIES NORTHERLY OF THE NORTHERLY RIGHT-OF-WAY LINE OF PLAINFIELD ROAD AS PER PLAT OF DEDICATION RECORDED JUNE 27, 1961 AS DOCUMENT NO. R61-11952, AND WHICH LIES SOUTHERLY OF A LINE DRAWN FROM A POINT IN THE WEST LINE OF SAID LOT 3, SAID POINT BEING 138.94 FEET NORTH OF THE NORTH LINE OF SAID PLAINFIELD ROAD (MEASURED ALONG SAID WEST LINE OF LOT 3) TO A POINT IN THE NORTHERLY LINE OF SAID

PLAINFIELD ROAD, SAID LOTS 3 AND 4 BEING IN OWNER'S SUBDIVISION OF THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 23, AND THE WEST HALF OF THE NORTHEAST QUARTER OF SECTION 26, ALL IN TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED APRIL 24, 1931 AS DOCUMENT NO. 311500, IN DUPAGE COUNTY, ILLINOIS.

Common addresses from the Business District Plan: 825 Plainfield Road, 7101 S. Kingery Highway, 7111 S. Kingery Highway, 7117 S. Kingery Highway, 7121 S. Kingery Highway, 7125 S. Kingery Highway, 7135 S. Kingery Highway, 7137 S. Kingery Highway, 7143 S. Kingery Highway, 7145 S. Kingery Highway, 7155 S. Kingery Highway, 7163 S. Kingery Highway, 7165 S. Kingery Highway, 7167 S. Kingery Highway, 7169 S. Kingery Highway, 7171 S. Kingery Highway,7173 S. Kingery Highway, 7175 S. Kingery Highway, 7181 S. Kingery Highway, 7183 S. Kingery Highway, 7185 S. Kingery Highway,7187 S. Kingery Highway,7189 S. Kingery Highway, 7191 S. Kingery Highway,7195 S. Kingery Highway,7199 S. Kingery Highway, 820 Plainfield Road, 840 Plainfield Road, 715 Plainfield Road, 735 Plainfield Road, Willowbrook, Illinois.

Street location from the Business District Plan: the area generally bounded by 69th Street on the north, 72nd Court on the south, Illinois Route 83 on the west, and Adams Street and Willow Way Lane on the east and includes any adjoining rights of way within the Village of Willowbrook.

Village of
WILLOWBROOK

Public Works

BOARD OF TRUSTEES MEETING

AGENDA ITEM NO: **DATE: July 8, 2024**

SUBJECT: VILLAGE THIRD-PARTY ENGINEERING SERVICES CONTRACTS

a. A RESOLUTION APPROVING AND AUTHORIZING THE EXECUTION OF AN AGREEMENT AND FIRST AMENDMENT TO GENERAL CONDITIONS FOR PROFESSIONAL ENGINEERING SERVICES FOR THE VILLAGE OF WILLOWBROOK BY AND BETWEEN CHRISTOPHER B. BURKE ENGINEERING, LTD. AND THE VILLAGE OF WILLOWBROOK

b. A RESOLUTION APPROVING AND AUTHORIZING THE EXECUTION OF AN AGREEMENT FOR PROFESSIONAL ENGINEERING SERVICES FOR THE VILLAGE OF WILLOWBROOK BY AND BETWEEN KLUBER, INC. AND THE VILLAGE OF WILLOWBROOK

STAFF REPORT

TO: Mayor Trilla and Board of Trustees

FROM: Rick Valent, Director of Public Works

THROUGH: Sean Halloran, Village Administrator

PURPOSE AND ACTION REQUESTED

Staff is seeking the Village Board to approve agreements with Christopher B. Burke Engineering, Ltd., Kluber, Inc., and Trotter & Associates, Inc. for Village engineering services.

Note: The Trotter agreement was not available in time to be presented at the July 8, 2024 Board meeting and will be presented on July 22, 2024.

BACKGROUND/SUMMARY

On May 6, 2024, a Request for Qualifications for Engineering Services was posted where engineering consulting firms skilled in 11 disciplines were invited to present their qualifications statement. These firms would then be ranked, scored, and selected by staff for the Board's approval. All 11 disciplines are provided below.

- Architectural
- Mechanical
- Water Resource
- Civil
- Municipal
- Construction
- Structural
- Stormwater
- Surveying
- Environmental
- Traffic

On May 30, 2024, 12 firms chose to present their qualifications statement for consideration. Each of these 12 firms were given the opportunity to select from the 11 listed disciplines. Each firm was scored in their various selected disciplines and six were chosen for interview by staff. A table of disciplines selected by the firms is below.

	Architect.	Civil	Construction	Stormwater	Environment.	Mechanical.	Municipal	Structural	Surveying	Traffic	Water Resource
AIT						X					X
Baxter and Woodman		X	X	X	X	X	X	X	X	X	X
BLA		X	X	X	X		X	X		X	X
CBBEL	X	X	X	X	X	X	X	X	X	X	X
Civiltech	X	X	X	X	X			X		X	X
ERA		X	X	X	X		X	X	X		X
GHA		X	X	X		X	X		X	X	
GSG		X	X	X	X		X	X	X		X
Kluber	X					X		X			
Novotny		X	X				X				
Thomas		X	X	X			X		X	X	
Trotter		X	X			X					

Interview sessions were conducted with five of the six firms, one firm being unresponsive to an interview, that led to staff selecting three firms, Christopher B. Burke, Trotter & Associates, and Kluber, covering all 11 disciplines. Note, architectural, mechanical, and structural disciplines have two firms selected due to the broad range of engineering those disciplines encompass.

	Architect.	Civil	Construction	Stormwater	Environment.	Mechanical.	Municipal	Structural	Surveying	Traffic	Water Resource
AIT						X					X
Baxter and Woodman		X	X	X	X	X	X	X	X	X	X
BLA		X	X	X	X		X	X		X	X
CBBEL	X	X	X	X	X	X	X	X	X	X	X
Civiltech	X	X	X	X	X			X		X	X
ERA		X	X	X	X		X	X	X		X
GHA		X	X	X		X	X		X	X	
GSG		X	X	X	X		X	X	X		X
Kluber	X					X		X			
Novotny		X	X				X				
Thomas		X	X	X			X		X	X	
Trotter		X	X			X					

The three selected firms will be utilized by staff for services like, but not limited to, general engineering assistance, plan review, stormwater master planning, water system master planning, multi-year pavement management, landscape beautification, traffic studies, park improvements, and facility condition assessments.

The term of the three agreements will be five years with the option to renew for two additional one-year terms at the Village's discretion. Language is provided in each agreement to terminate prior to five years should the Village feel the services being provided are unsatisfactory. Hourly rates for 2024 have been provided as set rates or not to exceed escalators for the years moving forward.

FINANCIAL IMPACT

While the Board approved funds for engineering review and services within the Public Works and Community Development budgets, staff will ask for budget amendments in the future for project-based funding is finalized (i.e. water master plan and stormwater master plan).

RECOMMENDED ACTION:

Staff is seeking the Village Board to approve agreements with Christopher B. Burke Engineering, Ltd., Kluber, Inc., and Trotter & Associates, Inc. for Village engineering services.

Note: The Trotter agreement was not available in time to be presented at the July 8, 2024 Board meeting and will be presented on July 22, 2024.

Return to Agenda

RESOLUTION NO. 24-R-_____

A RESOLUTION APPROVING AND AUTHORIZING THE EXECUTION OF AN AGREEMENT AND FIRST AMENDMENT TO GENERAL CONDITIONS FOR PROFESSIONAL ENGINEERING SERVICES FOR THE VILLAGE OF WILLOWBROOK BY AND BETWEEN CHRISTOPHER B. BURKE ENGINEERING, LTD. AND THE VILLAGE OF WILLOWBROOK

WHEREAS, the Corporate Authorities of the Village of Willowbrook (the "Village") have determined that it is in the best interest of the Village to enter into a professional engineering services agreement with Christopher B. Burke Engineering, Ltd. ("CBBEL") for the provision of professional engineering services for the Village of Willowbrook; and

WHEREAS, the Village has a past satisfactory relationship with CBBEL for the provision of professional engineering services; and

WHEREAS, the Village desires to retain CBBEL to provide the aforesaid professional engineering services to the Village.

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK]

NOW, THEREFORE, BE IT RESOLVED by the Mayor and Board of Trustees of the Village of Willowbrook, DuPage County, Illinois, that the certain Proposal and Agreement, including General Conditions and First Amendment to General Conditions, by and between the Village of Willowbrook and Christopher B. Burke Engineering, Ltd. for Professional Engineering Services on behalf of the Village, be and is hereby approved and the Mayor and Village Clerk be and the same are hereby authorized to execute and attest, all on behalf of the Village of Willowbrook, to that certain Professional Services Agreement, attached hereto as Exhibit "A" and made a part hereof, and General Conditions and First Amendment to General Conditions, attached hereto as Exhibit "B" and made a part hereof.

PASSED and APPROVED by the Mayor and Board of Trustees of the Village of Willowbrook this 8th day of July, 2024 by a ROLL CALL VOTE as follows:

AYES: _____

NAYS: _____

ABSTENTIONS: _____

ABSENT: _____

APPROVED:

_____
Frank A. Trilla, Mayor

ATTEST:

_____
Deborah A. Hahn, Village Clerk

EXHIBIT "A"

Christopher B. Burke Engineering, Ltd.
Professional Services Agreement

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

June 26, 2024

Village of Willowbrook
835 Midway Drive
Willowbrook, IL 60527

Attention: Alex Arteaga
Assistant Village Administrator

Subject: Village Engineer Services

Dear Mr. Arteaga

Christopher B. Burke Engineering, Ltd. (CBBEL) is pleased to submit this proposal to perform professional consulting engineering services for the Village of Willowbrook (Village). CBBEL understands that we will be providing general engineering services; preliminary and final plan review and inspection for proposed developments and other various engineering tasks. A detailed description of the anticipated scope of work is as follows:

SCOPE OF SERVICES

Engineer will be available to provide engineering services as requested by the VILLAGE. Such services may include:

A. Municipal Engineering Services - Community Development Department. Provide the following municipal engineering services to the Community Development Department.

1. Perform comprehensive engineering reviews of proposed and planned new, infill, and redevelopment projects according to the Village Code, other applicable regulations, and best practices that covers all disciplines of municipal engineering, including but not limited to potable water, sanitary sewer collection, storm sewer collection, stormwater ordinance compliance, traffic, structural, Americans with Disabilities Act, and applicable 3rd party requirements from agencies including the Army Corp of Engineer/Illinois Department of Natural Resources/Illinois Environmental Protection Agency/ and others.
2. Review and assist staff with issuance of utility permits.
3. Provide floodplain map information and answer floodplain-related questions as needed.
4. Respond to and resolve drainage complaints from residents and for commercial properties as directed by Village staff.
5. Assist various Village Commissions with any engineering related matters as directed by Village staff.
6. As requested, meet with developers and their design professionals to discuss

preliminary engineering requirements and key engineering issues.

7. ENGINEER will sign and seal documents as the "Village Engineer" from time to time.
8. Attend Village Board meetings as directed by Village staff.

B. In-House Village Engineer Services. Provide in-house general engineering services to the Public Works, Parks, and other Village staff, as requested. Services include general consulting, and inspection services.

For all work described above, CBBEL shall receive, as full payment for completing all work required of CBBEL under this Agreement, a fee consisting of payment for the services at the hourly rates detailed in the attached Standard Charges for Professional Services. If desired, fees for said services can be separated from Community Development fees on all invoices.

The following consulting engineer work performed by CBBEL for the Village shall be defined by a separate work order, with fees limited as follows (unless otherwise agreed upon):

a. Locally Funded Capital Improvement Project

1) Phase I and II. Preliminary Engineering and Design, with the design work on any project to be not less than 5.5% and not more than 7.5%.

2) Phase III. Construction Oversight and Resident Engineer Services, providing personnel during construction based on demand of the project, not assumed as full-time inspection to be not less than 7% and not more than 10%.

b. Federally Funded Road Projects and Grant Funded Projects

1) Phase I. Preliminary Design and Reports, with the work on any project not to be less than 5% and not more than 8%.

2) Phase II. Final Engineering and Design, with design services for any job not less than 6% and not more than 10%.

3) Phase III. Construction Oversight and Resident Engineering Services, providing personnel during construction based on demand of project, perhaps full-time inspection to be not less than 10% and not more than 12%.

c. Minor Engineering, Surveying and Field Work

1) Design. Time and Material basis.

2) Construction Oversight, Layout and other tasks. Time and Material basis.

Engineering Studies will be performed based on separately negotiated contract proposals.

The contract will be in accordance with the accepted General Terms and Conditions. These General Terms and Conditions are expressly incorporated into and are an integral part of this contract for professional services.

It is understood that the term of this agreement shall be for a five-year period beginning from the date last signed, and it will automatically be renewed for a one-year period unless terminated by either party at least 60 days prior to the renewal term.

Please sign both copies of the agreement and return one to us as an indication of acceptance and notice to proceed.

Sincerely,

Michael E. Kerr, PE
President

Encl: Schedule of Charges
General Terms and Conditions

THIS PROPOSAL, SCHEDULE OF CHARGES AND GENERAL TERMS AND CONDITIONS ACCEPTED FOR THE VILLAGE OF WILLOWBROOK.

BY: _____

TITLE: _____

DATE: _____

SUBMISSION INFORMATION

Village of Willowbrook
835 Midway Dr
Willowbrook, IL 60527

INVITATION:	**#02**
OPENING DATE:	**May 30, 2024**
TIME:	**11:00 A.M. Local Time**
LOCATION:	**Village Hall**

COPIES: One (1) original, one (1) copy, and one (1) electronic (USB or compact disc)

REQUEST FOR PROPOSAL INFORMATION

Company Name: Christopher B. Burke Engineering, Ltd.

Address: 9575 W. Higgins Road, Suite 600

City, State, Zip Code: Rosemont, IL 60018

THE SECTION BELOW MUST BE COMPLETED IN FULL AND SIGNED

The undersigned hereby certifies that they have read and understand the contents of this solicitation and agree to furnish at the prices shown any or all of the items below subject to all instructions, conditions, specifications and attachments hereto. Failure to have read all the provisions of this solicitation shall not be cause to alter any resulting contract or to accept any request for additional compensation. By signing this document, the Contractor hereby certifies that they are not barred from proposing on this contract as a result of a violation of either Section 33E-3 or 33E-4 of the Illinois Criminal Code of 1961, as amended.

Authorized Signature: _____ **Company Name:** Christopher B. Burke Engineering, Ltd.

Typed/Printed Name: Michael Kerr, PE **Date:** May 30, 2924

Title: President **Telephone Number:** 847.823.0500

E-mail: mkerr@cbbel.com **Fax Number:** 847.823.0520

PHASE I WETLANDS/ENVIRONMENTAL

PLANNING FIBER OPTIC PERMITTING

VILLAGE OF WILLOWBROOK

ENGINEERING SERVICES 2024

TRAFFIC SIGNALS STORM

DESIGN WATER

CONSTRUCTION OVERSIGHT STRUCTURAL

GREEN INFRASTRUCTURE LANDSCAPING

TRAFFIC ENGINEERING

STREET LIGHTING ROADWAYS

PHASE II WATER

SANITARY SEWER DISTRIBUTION

PHASE III SURVEYING

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. HIGGINS RD., STE. 600 | ROSEMONT, IL 60018

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 West Higgins Road Suite 600 Rosemont, Illinois 60018 TEL (847) 823-0500 FAX (847) 823-0520

May 30, 2024

Village of Willowbook
835 Midway Drive
Willowbrook, IL 60527

Attention: Alex Arteaga
Assistant Village Administrator

Subject: **Request for Qualifications**
Professional Engineering Services

Dear Mr. Arteaga:

Christopher B. Burke Engineering, Ltd. (CBBEL) is pleased to submit our qualifications to provide Professional Engineering Services to the Village of Willowbrook (Village). Enclosed is one (1) original, one (1) copy, and one (1) pdf on a USB of our qualifications that have been compiled to best address all of the elements in the RFQ.

CBBEL currently serves as Village/City Engineer for 24 communities in the Chicago area and provides a wide variety of municipal engineering services to an additional 100 municipal and county clients on an ongoing basis. CBBEL has a broad, diverse staff with a number of specialized capabilities who can meet all of your engineering and environmental needs. CBBEL's corporate office is approximately 21 miles from the Village. CBBEL also has an office located in the City of Lockport, less than 15 miles from the Village.

The contact person for this proposal is Orion Galey, PE, Vice President, in our Rosemont, Illinois office. Orion is available to answer any of your questions regarding this submittal. Orion will serve as Program Manager / Alternate Contact. Scott Soderstrom, PE is proposed as Village Engineer / Point of Contact. Scott lives in the City of Darien, just under 6 miles from Willowbrook.

CBBEL acknowledges receipt of Addendum #1.

We appreciate the opportunity to submit our qualifications and look forward to continuing our relationship with the Village. If you have any questions or need any additional information, please do not hesitate to contact me or Orion at (847) 823-0500.

Sincerely,

Michael Kerr, PE
President

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TAB 1
FIRM OVERVIEW
IDOT PREQUALIFICATION LETTER

CHRISTOPHER B. BURKE ENGINEERING, LTD. (CBBEL)

9575 W. Higgins Rd., Ste. 600 Rosemont, IL 60018
cbbel.com | (847) 823-0500 | cbbel@cbbel.com
Primary Office for the Village of Willowbrook - Distance 21 Miles

Lockport Office
16221 W. 159th St., Ste. 201
Lockport, IL 60441
T: (815) 770-2850

Evanston Office
820 Davis St., Ste. 201
Evanston, IL 60201
T: (847) 868-2980

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.

91 LICENSED PROFESSIONALS

TOTAL STAFF **239**

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, six electric vehicle charging stations, an annual parking lot 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.

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.

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.

13 DIVERSE DEPARTMENTS (LOCAL STAFF/LICENSED PROFESSIONALS)	
CIVIL ENGINEERING DESIGN	51/20
CONSTRUCTION ENGINEERING	55/20
DRAINAGE / STORMWATER ENGINEERING	11/5
ENVIRONMENTAL RESOURCES	12
MECHANICAL / ELECTRICAL ENGINEERING	13/6
MUNICIPAL ENGINEERING	7/4
STRUCTURAL ENGINEERING	5/3
SURVEYING (4 CREWS)	14/2
TRAFFIC ENGINEERING	8/6
WATER RESOURCES ENGINEERING	19/15
DESIGN/BUILD	9
PHASE I ENGINEERING	9/6
LANDSCAPE ARCHITECT	2/1

CBBEL Executive Officers

Michael Kerr, PE
President

Thomas Burke, Jr., PhD, PE
Executive Vice President

W. Daniel Crosson, PE
Executive Vice President

Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

March 8, 2024

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Michael Kerr
BURKE, CHRISTOPHER B. ENG., LTD.
9575 W. Higgins Road
Suite 600
Rosemont, IL 60018

Dear Michael Kerr,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2022. Your firm's total annual transportation fee capacity will be $72,800,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 132.88% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Bureau of Investigations and Compliance in a pre-award audit. Pursuant to 23 CFR 172.11(d), we are providing notification that we will post your company's indirect cost rate to the Federal Highway Administration's Audit Exchange where it may be viewed by auditors from other State Highway Agencies.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2023. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Jack Elston, P.E.
Bureau Chief
Bureau of Design and Environment

SEFC PREQUALIFICATIONS FOR BURKE, CHRISTOPHER B. ENG., LTD.

CATEGORY	STATUS
Environmental Reports - Environmental Assessment	X
Structures - Highway: Advanced Typical	X
Highways - Freeways	X
Special Studies - Safety	X
Highways - Roads and Streets	X
Special Services - Sanitary	X
Special Services - Electrical Engineering	X
Special Studies - Feasibility	X
Location Design Studies - Rehabilitation	X
Special Services - Surveying	X
Special Studies- Location Drainage	X
Hydraulic Reports - Waterways: Complex	X
Hydraulic Reports - Pump Stations	X
Hydraulic Reports - Waterways: Typical	X
Special Services - Construction Inspection	X
Special Plans - Traffic Signals	X
Special Studies - Signal Coordination & Timing (SCAT)	X
Special Studies - Traffic Studies	X
Special Services - Public Involvement	X
Environmental Reports - Environmental Impact Statement	X
Special Plans - Lighting: Typical	X
Special Plans - Lighting: Complex	X
Structures - Highway: Typical	X
Structures - Highway: Simple	X
Special Plans - Pumping Stations	X
Special Services - Landscape Architecture	X
Location Design Studies - Reconstruction/Major Rehabilitation	X
Location Design Studies - New Construction/Major Reconstruction	X
Special Services - Mechanical	X

TAB 2
PROJECT TEAM
POINT OF CONTACT / ALTERNATE CONTACT

ORGANIZATIONAL CHART

RESUMES

SUBCONSULTANTS

ORGANIZATIONAL CHART
PROFESSIONAL ENGINEERING SERVICES

PROGRAM MANAGER / ALTERNATE CONTACT
Orion Galey, PE

VILLAGE ENGINEER / POINT OF CONTACT
Scott Soderstrom, PE

1 CIVIL ENGINEERING
Nicholas Morel, PE

51 Support Staff Members

2 MUNICIPAL ENGINEERING
Daniel Lynch, PE, CFM

7 Support Staff Members

3 CONSTRUCTION ENGINEERING
Orion Galey, PE

55 Support Staff Members

4 STORMWATER ENGINEERING
Jonathan O'Connell, PE

Edmund Burke, PE
Drainage Guidelines

Michael Cothard, PE, CFM
Permitting

11 Support Staff Members

5 ENVIRONMENTAL RESOURCES
Julie Gangloff, CWS

12 Support Staff Members

6 MECHANICAL ENGINEERING
John Caruso, PE

Anthony DeRicco, PE, LC
Electrical Engineering

Gerald Hennelly
Mechanical Engineering

13 Support Staff Members

7 STRUCTURAL ENGINEERING
Majid Mobasseri, PhD, PE, SE

Jeffrey Barnett, PE, SE

5 Support Staff Members

8 ARCHITECTURAL SERVICES (Landscape Design)
Douglas Gotham, LLA, ASLA

2 Support Staff Members

9 SURVEY SERVICES
John Murphy, PE, PLS

14 Support Staff Members

10 TRAFFIC ENGINEERING
G. Michael Ziegler, PE, PTOE

8 Support Staff Members

11 WATER RESOURCES ENGINEERING
Jeana Gowin, PE, CFM, CPSWQ

Brian Kubilius, PE, CFM

19 Support Staff Members

ADDITIONAL RESOURCES

GIS
David Walters

CAD
Peter Magnelli

GRANT WRITING / PUBLIC ENGAGEMENT
Metro Strategies Group

ADMINISTRATIVE/ PUBLIC INVOLVEMENT
Michelle Harford

GEOTECHNICAL ENGINEERING / MATERIALS QA
Testing Service Corporation

■ CBBEL Employee
■ Subconsultant

Orion Galey, PE

Vice President

YEARS EXPERIENCE: 21
YEARS WITH CBBEL: 21

EDUCATION
Bachelor of Science,
2002 General Engineering
University of Illinois at
Urbana-Champaign

PROFESSIONAL REGISTRATION
Professional Engineer, IL,
062.060829, 2008

CERTIFICATIONS
Documentation of Contract Quantities, IDOT, 21-18824

Illinois Construction Records System (ICORS) Training Seminar, IDOT

Material Management of Job Sites, IDOT

PROFESSIONAL DEVELOPMENT
IDOT QC/QA Courses:
Mixture Aggregate Technician Course

STTP-S33 Soils Field Testing and Inspection Course

Hot Mix Asphalt Level 1

Portland Cement Concrete Level 1

Portland Cement Concrete Level 2

Troxler Nuclear Gauge Safety Training Class

PROFESSIONAL AFFILIATIONS
Illinois Road & Transportation Builders Association

American Concrete Institute

American Society of Civil Engineers

Orion is a Professional Engineer experienced in construction and design engineering. He is responsible for performing project management duties including assistance in bidding and contract execution procedures and overseeing on-site construction observation, documentation of quantities, coordination and/or verification of materials testing and inspection, review contractor pay requests, preparation of record drawings, and finalization of contracts with different agencies (i.e. IDOT/Cook County/MWRD/municipalities). Civil design experience includes roadway, streetscape, green infrastructure, and utility improvement design. Duties include permitting, preparation of plans and specifications, cost estimates, bidding assistance and general engineering services. Acts as main resource for all project questions from inception to completion, attending Village Board Meetings, Public Hearings and Town Hall Meetings. Provides guidance to municipalities regarding State and Federal funding opportunities and strategic direction for yearly budgets and capital programs. He is actively involved in several professional associations and is currently a member of the Illinois Road and Transportation Builders Association's DuPage County DOT/IRTBA Coop Committee.

Orion serves as CBBEL's main point of contact for multiple municipalities including Village of Elmwood Park, Village of Riverside, and Village of Bloomingdale and is the Village Engineer in Elmwood Park and Riverside.

York Road (31st Street to I-88 Ramp) (Contract #61D37), Oak Brook: Project Manager for federally funded project along York Rd for approximately 0.81 miles. Work consisted of pavement patching/resurfacing, curb and gutter repairs, and non-compliant sidewalk ramp replacement to current ADA standards.

Metra Station Pedestrian Access Improvements (Contract #61E89), Riverside: Project Manager for federally funded reconstruction project designed to improve vehicular and pedestrian safety adjacent to the Riverside Metra Station. Improvements included lengthening the southbound right turn lane from Riverside Rd to Bloomingbank Rd to allow for a shorter and safer pedestrian crossing. Additional pedestrian space was also gained through this work which includes limestone masonry, new planters, lighted bollards, bike racks, high visibility crosswalks and new decorative pavers.

Annual Street Rehabilitation Project (2005-Present), Elmwood Park: Project Manager for civil design, preparation of contract documents, and construction observation services for street resurfacing with curb and gutter repairs, sidewalk replacement, alley apron replacement, and combination sewer improvements along various streets totaling over 20 miles. Duties included design, permitting, construction observation, coordination of material inspection, documentation of quantities and contract administration in accordance with IDOT's Construction Manual.

Annual Street Rehabilitation Project (2014-Present), Riverside: Project Manager and Village Engineer responsible for day-to-day project management and point-of-contact, including oversight and development of design, permitting, construction document preparation, bidding assistance and utility coordination. Project annually consists of pavement reconstruction, pavement patching/resurfacing, and curb and gutter/sidewalk repairs to approx. 2 miles of residential streets within the Village. CBBEL's team provided full-range civil engineering services, including field reconnaissance, geotechnical investigation, preliminary design and budgetary cost estimate development, utility coordination, preparation of construction documents, and full-time construction engineering.

Annual Street Improvement Project (2011-2022), Oak Brook: Project Manager for approx. $2M pavement resurfacing and reconstruction per year. Work includes curb and gutter/sidewalk repairs, and various drainage improvements of residential, arterial, and commercial streets throughout the Village. Duties include design, permitting, construction observation, coordination of material inspection, documentation of quantities and contract administration in accordance with IDOT's Construction Manual.

Fairway Stages 1 & 2 Roadway Improvements, Orland Park: Project Manager for full depth reconstruction of nearly 40,000 SY of roadway. Project also included curb and gutter and sidewalk removal and replacement (as necessary), 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.

Windsor Drive Widening and Streetscape (22nd Street to Swift Drive), Oak Brook: Project Manager for this Village of Oak Brook funded project which consisted of a total roadway reconstruction widening as well as coordination of an adjoining bridge reconstruction performed by the Tollway. Work consisted of extensive utility relocation, tree removal, earth excavation, embankment, storm sewer, stone base, concrete curb & gutter, and HMA paving. Project also included new street lights, ADA sidewalk, and irrigated median landscaping.

Main Street Reconstruction and Streetscape, Algonquin: Project Manager for S. Main St between Algonquin Rd (Rt 62) and Rt 31. Improvements included wet utility replacement, dry utility replacement and coordination, and streetscape reconstruction. Streetscape improvements include a 22' wide PCC roadway, curb and sidewalk

alterations via bump outs and parking stalls, sidewalk improvements to comply with ADA standards, ADA entrance ramps to buildings, 30,000 SF of decorative pavers, decorative light pole system, masonry seat walls and columns, custom gas fireplace, decorative tree wells, planter beds, and limestone monument sign.

Conti Parkway Streetscape Project, Elmwood Park: Project Manager tasked with 'refreshing' the appearance of Flag Ave by creating a new downtown gateway element. As a complement to this, enhancements to the hard-scape in front of the shops of Conti Circle were completed. One of the goals of the project was to create definition between the public walkways and outdoor dining / congregation spaces. Services included development and evaluation of concept alternatives including creation of 3D illustrations for staff and municipal leader's visualization and design of custom gateway elements and hard-scape details. Preparation of all bid documents and selection of contractors. All construction management, documentation, and coordination with business owners, Village staff, and public. Project was partially funded by Cook County DOT and CDBG funds.

East Burlington Streetscape and Resurfacing Project (Contract #61B53), Riverside: Project Manager for the Phase I and II design engineering services and construction engineering for the multifaceted project. With STP funding and additional funding through the ITEP, the Village was able to complete a long desired streetscape enhancement project and resurfacing project through the Central Business District (CBD) concurrently. The STP funded work involved resurfacing, drainage structure improvements, curb and gutter replacement, ADA improvements, pavement patching and thermoplastic pavement markings. Additionally, the ITEP funded work through the CBD includes replacement of existing sidewalks with decorative permeable concrete pavers; bump-outs for mid-lock crossings; high visibility preformed thermoplastic paver-type crosswalks; plus, new amenities and enhanced landscaping elements including limestone planter boxes, perennials, trees, shrubs, trash and recycling receptacles, benches and lighted bollards. New up lighting for trees and irrigation was included.

Grand and Harlem Streetscape, Elmwood Park: Construction Manager for Design/Build streetscape project that included upgrading intersections to comply with current ADA standards, removal and replacement of sidewalk, installation of colored stamped concrete, new lighting, and installation of ornamental planters, trees and tree grates. Additionally, project included reconstructing NW corner of Grand and Harlem to incorporate a custom illuminated Elmwood Park gateway sign with 3-tiered fountain feature, large ornamental planter with custom inlayed columns, and raised limestone planter. The NW corner of Harlem and Fullerton was reconstructed to include an Elmwood Park medallion monument, ornamental planter, and decorative pedestrian light pole. Duties included overseeing preparation of engineering plans, specifications, cost estimate and permitting as well as construction observation, cost control, daily communication and scheduling with business owners, preparation of pay estimates and weekly written reports to owner on progress of work.

Maycliff South Drainage and Watermain Improvement Project, Orland Park: CBBEL conducted a hydrologic and hydraulic model of the Maycliff Subdivision to develop the most effective method to alleviate flooding within the subdivision. The model indicated and CBBEL recommended a stormwater collection and conveyance system. In addition to the drainage improvements, the existing watermain was to be replaced. Once the scope was determined, the Village contracted Burke, LLC Design/Build to complete the design and construction of the improvements. The improvements included approximately 2,800 LF of storm sewer ranging from 12" to 60" in diameter as well as approximately 5,400 LF of new 8" and 12" diameter watermain. Services included project design, permitting and easement documents, construction management, schedule delivery, and contract administration.

First Division Sewer Separation Project, Riverside: Project Manager responsible for design/build project providing a separated storm sewer system in the First Division portion of the Village, conveying clear water to its historical outfall, the Des Plaines River, rather than the MWRD wastewater treatment plant. Improvements included separating existing combined sewer and constructing a dedicated storm sewer. The storm sewer provides additional capacity in MWRD interceptor sewer resulting in less sewer surcharge both upstream and downstream of the Des Plaines River. Project provides residents with a reduced risk of flooding and sewer backups as well as reducing the frequency of combined sewer overflows into the river. Project consisted of construction of approx. 9,300' of storm sewers ranging from 12" to 24" diameter and replacing 4 storm water outfalls into the Des Plaines River, temporary pavement patching, curb and gutter replacement, and ADA improvements. Services included design of plans, writing specifications, quantity take off, preparation of bid documents, on-site coordination, construction documentation, shop drawing/mix design review, construction observation, post-construction final inspection, NPDES site-audits and pay estimates.

Brook Forest Watermain Project Phases 1-4, Oak Brook: Project Manager for construction of all four phases of watermain improvements. Project involved the construction of approximately 45,000 LF of watermain throughout the Brook Forest neighborhood.

Maycliff Subdivision Stormwater & Watermain, Orland Park: Project Manager for construction of approximately 2,800 LF of storm sewer ranging from 12" to 60" in diameter as well as approximately 5,400 LF of new 8" and 12" diameter watermain.

Fairway Stages 1, 2, 3, & 4 Watermain Replacement, Orland Park: Project Manager for construction of the Fairway Stages 1, 2, 3 & 4 Drainage and Watermain Improvements. Project involved the construction of approximately 25,000 LF of new 8" ductile iron watermain throughout the Fairway neighborhood, including new water miscellaneous drainage improvements, including installation of rear yard drainage structures which were tied into the existing storm sewer system.

Annual Water Main Improvement (2005-Present), Elmwood Park: Project Manager of civil design, preparation of contract documents and permits, and construction observation services for replacement of an annual average of 1,200 LF water main with new service connections, valves and fire hydrants at various locations. Responsibilities included preparation of plans and specifications, coordination with IEPA, and bid advertisement and award recommendations.

Fairway Stage 2 Water Main Replacement, Orland Park: Project Manager for construction of the Fairway Stage 2 Drainage and Watermain Improvements. Project involved the construction of approximately 7,000 LF of new 8" ductile iron watermain throughout the Fairway neighborhood, including new water services, valves, and fire hydrants. Included in this project were miscellaneous drainage improvements, including installation of rear yard drainage structures which were tied into the existing storm sewer system.

Scott Soderstrom, PE

Senior Resident Engineer

YEARS EXPERIENCE: 43
YEARS WITH CBBEL: 10

EDUCATION
Bachelor of Science, 1981
Civil Engineering
University of Illinois at Urbana-Champaign

Bachelor of Science, 1979
Mathematics, Western Illinois University, Macomb

PROFESSIONAL REGISTRATION
Professional Engineer, IL, 062.045241, 1989

Professional Engineering, FL PE95173, 2022

Home Inspector, IL, 450000224, 2002

Home Inspector, FL, HI15065, 2022

CERTIFICATIONS
Documentation of Contract Quantities, IDOT, 22-19572

ICORS Training Seminar, IDOT

PROFESSIONAL DEVELOPMENT
IDOT Professional Training:
Concrete Structures

STTP-S15 Earth Excavation and Embankment

Erosion Control

Flagger Training

Implementation Safety

Pavement Patching

PCC Paving Inspection

Piling

Pipe Culvert Installation

Standard Earth Density

Storm Sewer

PROFESSIONAL AFFILIATIONS
American Concrete Institute

American Society of Home Inspectors

Illinois Association of Highway Engineers

Scott's experience covers a wide variety of construction and maintenance of highways, streets and bridges and inspection of homes. Before joining CBBEL, he spent 33 years at IDOT where he was Area Construction Local Agency Engineer for Will County and Southern DuPage County for nine years. Earlier in his IDOT career, Scott served as Area Traffic Signal Maintenance and Operations Engineer, Senior Construction Resident Engineer and Design and Materials Engineer. He is an experienced Property Inspection Professional and Expert Witness and Case Preparation Consultant, as well as Lieutenant (Retired) of the Civil Engineer Corps of the US Naval Reserve. Scott is responsible for various construction engineering projects and oversight of Construction Department junior staff.

Municipal Engineer, Villages Riverside, Bloomingdale and Oak Brook: Responsibilities include:

- Development of construction plans and specifications for streets, parking lots, and pedestrian walkways.
- Consultation to Village staff regarding capital improvement scheduling, budgeting, and infrastructure maintenance.
- Performed condition surveys of all roadways and walkways within the community and prepared concept level cost estimates for use in capital program planning.
- Performed site visits and met with residents to inspect various drainage and other Village infrastructure complaints. Draft recommendations to Village staff based on the site observations.
- Supervised construction observation and inspections services for public projects and private developments.
- Reviewed utility permit plans and monitored conformance to any Village related standards in the field.
- Assist with reviewing private development projects, including single family homes and commercial projects, for compliance with Village Code.

Shenstone Road Utility Improvements & Reconstruction Project, Village of Riverside: Resident Engineer. Duties included documentation of all pay items, construction inspection and coordination with the contractors and the Village of Riverside staff.

Green Alley Projects, Village of Riverside: Resident Engineer. Duties included documentation of all pay items, construction inspection and coordination with contractor, Village staff, and residents.

Covington Drive/Brighton Drive (Army Trail Road to Schick Road) [IDOT Contract #61J27], Village of Bloomingdale: Resident Engineer for approximately 1.06-mile federally funded project. Duties included documentation per IDOT guidelines including implementation of IDOT's computer based CMMS, construction inspection, and coordination with IDOT, contractors, businesses, and Village staff.

Selborne Road (York Road to Longcommon Road) [MFT Sec. #22-00088-00-PV], Village of Riverside: Resident Engineer for MFT funded project along Selborne Road for approximately .39 miles. Duties included documentation of all pay items, construction inspection, and coordination with the contractors and the Village of Riverside staff.

Brook Forest Subdivision Street Improvement Project, Village of Oak Brook: Resident Engineer project that included resurfacing of Brook Forest Subdivision. Duties included documentation of all pay items, construction inspection, and coordination with contractors, Village staff, and residents.

Harger Road (Salt Creek to Yorkshire Road) [IDOT Contract #61G55], Village of Oak Brook: Resident Engineer for federally funded project along Harger Road for approximately 0.22 miles. Work consisted of multi-use path, pedestrian bridge over Salt Creek, and boardwalk on both sides of the bridge. Duties included documentation per IDOT's Construction Manual including implementation of IDOT's web-based CMMS, construction inspection, and coordination with IDOT, utility companies, contractors, businesses, and Village staff.

Windsor Drive (22nd Street to Swift Drive), Village of Oak Brook: Resident Engineer for total roadway reconstruction widening project as well as coordination of adjoining bridge reconstruction performed by the Tollway. Duties included documentation of all pay items, construction inspection, coordination with contractors, utility companies, businesses, Tollway Authority, and Village staff.

Salt Storage Facility Improvements, Village of Oak Brook: Resident Engineer for site development and construction of Salt Storage Facility Complex. Duties included documentation of all pay items, construction inspection, coordination with the contractors, utility companies and the Village staff.

Oak Brook Bath & Tennis Club Entrance Improvements, Village of Oak Brook: Resident Engineer for site development and modernization of Bath & Tennis entrance area and general site area. Duties included documentation of all pay items, construction inspection, and coordination with the contractors, and the Village staff.

York Road (31st Street to I-88 Ramp) [IDOT Contract #61D37], Village of Oak Brook: Resident Engineer. Duties included documentation as outlined in IDOT's Construction Manual including implementation of IDOT's computer based ICORS, construction inspection and coordination with IDOT, contractors, businesses, and the Village staff.

Roosevelt Road (Des Plaines Avenue to Harlem Avenue) [IDOT Contract #61D26], Village of Forest Park: Resident Engineer for federally funded project along Roosevelt Rd for approximately 0.74 miles. Duties included documentation as outlined in IDOT's Construction Manual including implementation of IDOT's computer based ICORS, construction inspection, and coordination with IDOT, contractors, businesses, utility companies, and Village staff.

East Burlington Street (Longcommon Road to Harlem Avenue), Village of Riverside: Resident Engineer for federally funded project along East Burlington St for approx. 0.91 miles. Duties included documentation as outlined in IDOT's Construction Manual including implementation of IDOT's computer based ICORS. Coordinated all aspects of construction with IDOT, contractors, businesses, residents and Village staff.

St. Paschal/35th Street (St. Stephens Green to Oak Brook Road), Village of Oak Brook: Resident Engineer for STP project. Duties included documentation as outlined in IDOT's Construction Manual including the implementation of IDOT's computer based ICORS. Coordinated all aspects of construction with DCDOT, FPDDC, contractor, residents and Village staff.

Paving Projects, Village of Oak Brook: Resident Engineer for annual paving project, consisting of pavement resurfacing and reconstruction of nearly 25,000 SY of pavement per year. Duties included full-time construction engineering with heavy emphasis on resident and business interaction and communication as well as daily communication with Village Engineering Department.

IDOT*

Area Construction Local Agency Engineer, Will and DuPage Counties (2005-2014)

- Ensure that construction projects are completed in a timely and efficient manner, and in accordance with governing specifications and plans.
- Ensure that construction proceeds in a manner that balances the demands for high safety, mobility, and convenience to the public.
- Provide solutions to technical and engineering problems encountered during construction.
- Ensure continuous coordination among federal, state, local agency, consultants, and Tollway personnel.

Area Traffic Signal Maintenance & Operations Engineer (2001-2005):

- Supervised implementation of traffic signal portion of Electrical Maintenance Contract to ensure operation of state-maintained electrically operated traffic control devices.
- Ensured safe, efficient traffic movement through development and implementation of traffic signal progression programs and adjustments in signal timing.
- Inspected all new traffic signal construction and modifications.
- Reviewed and approved traffic signal permit plans for future improvements.

Senior Construction Resident Engineer (1984-2001):

- Performed field survey work and layout for complex highway construction.
- Supervised highway improvements to obtain timely and quality construction in compliance with IDOT plans, standard specifications, and acceptable engineering practices.
- Developed effective cooperation between Contractor, State, and other agencies to facilitate project completion.
- Completed 25 IDOT Construction Contracts. Projects included total pavement reconstruction, intersection and traffic signal improvements, roadway resurfacing, and bridge rehabilitation.

Design Engineer, (1984-2001):

- Developed pavement markings and traffic staging, pavement grades/elevations, highway plan details, drainage details, and plan special provisions.
- Completed design plans and provisions for four intersection improvement projects and three resurfacing projects.

Materials Engineer, (1981-1984):

- Proportioned, inspected, and tested bituminous mixes at various asphalt plants and highway projects.
- Inspected and tested highway earthwork which included construction of highway subgrades and bridge embankments.

TOMACOR, INCORPORATED AND SAS HOME INSPECTION SERVICES*

Property Inspection Professional (1998 to Present):

- Inspect and describe systems and components for single family homes, townhomes, condominiums, etc. Systems inspected include exterior, roof, plumbing, electrical, heating, cooling, interior, insulation and ventilation, and solid fuel burning appliances.
- Compose written book reports or typed punch lists which include systems and components that are significantly deficient, detailing the nature of the deficiency, and making recommendations to correct or monitor the deficiencies.
- Perform various teaching functions to home inspection students and licensed home inspectors including on-site training for apprentice home inspectors.

EXPERT WITNESS AND CASE PREPARATION*

Consultant (1995 to Present):

- Review legal cases and provide written reports
- On site field investigations
- Deposition and courtroom appearances

AWARDS

Nominated for IL Department of Transportation's Engineer of the Year

**prior experience*

Nicholas Morel, PE

Project Manager

YEARS EXPERIENCE: 20
YEARS WITH CBBEL: 20

EDUCATION
Bachelor of Science, 2003
Civil Engineering
Purdue University

PROFESSIONAL REGISTRATION
Professional Engineer, IL,
062.060393, 2008

Nick is a Professional Engineer experienced in civil engineering. Responsible for development of various design projects, including residential, commercial, industrial, road design, and site development projects. Duties include grading design, utility layout design, roadway design, earthwork analysis, cost estimation, stormwater management design, permitting, and construction observation. Additional responsibilities include preparing project reports, design plans, planning studies, specifications, and project coordination with other professionals.

ROADWAYS

South Pearl, Rosemont: South Pearl, Rosemont: Project Engineer for the new roadway alignment to provide access to a commercial parcel that will consist of hotels, restaurants and a parking structure. All new utilities were provided along the roadway and unsuitable soils were managed to the roadway construction. ADA accessible sidewalk and street lighting were included in the design.

Squib Drive, Rolling Meadows: Project Engineer for roadway reconstruction and extension. Roadway was widened to provide a three lane cross section and extended to meet Ring Road. Corner radii were designed for the frequent truck traffic in the area. ROW was obtained. Access was restricted to minimize conflicts. Sidewalk was added. Phase I, II and III engineering was completed by CBBEL.

Red Gate Road Left Turn Lane, KDOT: Project Engineer providing Phase II Engineering services. Due to the existing ROW widths east of Hosanna Lutheran Church entrance (25' north of centerline; 40' south of centerline) the widening for the left turn lane needed to be asymmetrical and on the south side of Red Gate Road. This required the drainage ditch to be relocated south with 2 mature trees requiring removal.

Peterson Road at Alleghany Road, LCDOT: Project Engineer responsible for design of roadway and stormwater improvements. Project consisted of widening portions of Peterson Road and Alleghany Road near their intersection. A bike path was added along the roadways and detention ponds were designed to handle the increased runoff.

Martingale Road Resurfacing, Schaumburg: Project Engineer responsible for preparation of design plans and specifications for the IDOT resurfacing project of Martingale Road between Higgins and Woodfield Roads. Improvements included spot curb and gutter replacement, median improvements, street milling/resurfacing and sidewalk and driveway replacement meeting ADA criteria.

STREETSCAPES

Downtown Streetscape, Huntley: Design Engineer. Prepared design and construction documents. The complete makeover of Huntley's Downtown was accomplished in less than one calendar year including all utility and streetscape improvements. Project included decorative lighting, wayfinding signage, street furniture and ADA improvements.

Main Street Streetscape, Cary: Project Engineer responsible for completing preliminary and final design engineering services. CBBEL's project team produced conceptual designs as well as 3D images to communicate the intent of the proposed designs. CBBEL worked directly with the staff in the preparation of the plans and produced images and details for public review. CBBEL produced final plans, specifications and an engineer's estimate of probable cost. The work involves street resurfacing, as well as new brick parking stalls, curb and gutter replacement, a carriage walk, bench nodes with decorative paving, extensive landscaping, new ornamental pedestrian and roadway lighting, decorative catenary lighting, new site furniture, ADA improvements, and high visibility crosswalks.

Devon Avenue Streetscape, Ravenswood to Clark (Phase II), North Side, Chicago: Project Engineer responsible for assisting in preparation of design plans, specifications and other contract documents for streetscape improvement to Devon Avenue and the adjacent side streets. Improvements included new sidewalk, stamped/colored sidewalk corners and ramps, trees and other landscape items, driveway reconstruction, pavement patching, milling & resurfacing of the roadways, new street lighting and a Gateway Element Structure. Improvements were designed to meet the City's stringent ADA requirements.

Devon Avenue Streetscape, Kedzie to Leavitt (Phase II), Northwest Side, Chicago: Project Engineer responsible for assisting in preparation of concept plans, design plans, specifications and other contract documents for roadway and streetscape improvements to 1.25 miles of Devon Avenue and the first half-block of 21 side streets. Improvements included traffic calming by skinning the parking lane by replacing curb and gutter 3' closer to centerline and adding bump-outs to all corners. Improvements included storm sewer improvements, utility adjustments, street milling/resurfacing, stamped intersections, crosswalks, concrete bus pads, sidewalk and driveway replacement meeting the City's strict ADA criteria, paver parkways, street lighting, new trees, planters and sod, community identifiers on light poles, and vertical gateway elements. Green initiatives included lighting, trees, and recycling/re-use of material. Project was bid as 5 separate construction projects.

SITE DEVELOPMENT

First Street Parking Lot/Retail, Huntley: Project Engineer responsible for the preparation of design plans, specifications, and bid documents for a retail/restaurant improvement as a continuation to Huntley's Downtown improvements. Improvements included a decorative paver walk connecting the Downtown to a new parking lot north of the new retail development. Improvements included new sidewalk, lighting, dumpster enclosure, monument features, and improvements to the American Legion to provide ADA access.

Garfield Street Salt Facility, Lombard: Design Engineer responsible for the reconstruction of a new public works facility that will consist of a salt storage facility, material storage bins, and a public works building. Unique aspects of the project included the protection of the protected Blanding's Turtle, as well as constructing a storm water treatment train before the snow melt entered the detention basin.

Briargate Road, Cary: Project Engineer responsible for the design, plan preparation, specifications, and bidding documents for the reconstruction of the park district parking lot. The lot was reconfigured to provide better pedestrian access and storm water improvements were incorporated into the design. Overflow parking was accounted for when the park district reaches capacity on summer pool days.

Lake County Jail Parking Lot, Waukegan: Project Engineer responsible for development of a two-tier parking lot adjacent to a ravine. Design included extensive retaining walls and an underground detention structure. Lot included LED lighting, ticketed gate entry, and electric car recharging stations.

Fullersburg Woods Flat Bridge, Oak Brook: Project Engineer responsible for preparation of construction documents to build a new bridge that was designed to span over the entire creek, eliminating any issues with debris build up on piers in the creek. The bridge was raised up above the 100 year flood elevation and approach paths were reconstructed to accommodate the higher elevations. Key features included constructing a steel beam bridge with a timber facade, decking and railing to replicate the look of original bridge as well as fit the look of the historic area. Bridge abutments incorporated a limestone facade and ledge rock to provide a more natural look. The approach paths were reconfigured and raised, which required off-site compensatory storage downstream on the east side of York Road. CBBEL worked with Forest Preserve staff to reduce impact to surrounding trees, the highest quality stand of oak trees in the Forest Preserve, while still providing access for construction to the bridge. Coordination with Forest Preserve staff was key to providing alternate designs that were in turn approved by Forest Preserve Commissioners.

WATER MAINS

Water Main Replacement Projects, Clarendon Hills: Civil Engineer for design and preparation of construction documents for replacement of the 11,300' of 4" and 6" water main with a new 8" and 12" water main at various locations. Responsibilities included preparation of plans and specifications and coordination with Village Public Works; IEPA and IDOT permits for work within the ROW; bid advertisement and award recommendations.

Ela Road and Cornell Avenue Water Main, Barrington: Civil Engineer for design and preparation of construction documents as well as bidding assistance. Proposed improvements included construction of a new 8" diameter ductile iron water main on Cornell Avenue from Cook Street to Division Street (approx. 1300 LF), and a new 10" diameter ductile iron water main on Ela Road from Lake Cook Road to Balmoral Lane and Balmoral Lane from Tudor Drive to Ela Road (approx. 700 LF). Scope included applying for and receipt of required IEPA permit prior to construction. Project required application for IDOT and Cook County Permit for work within the Ela Road ROW and Barrington Township Permit for work within the Cornell ROW.

Lake Cook Road Water Main, Barrington: Civil Engineer for design and preparation of construction documents and bidding assistance. Project included construction of a new 10' diameter ductile iron water main on Lake Cook Road from Wesley Street to Wyngate Drive (approx. 3,800 LF). Scope included applying for and receipt of required IEPA permit prior to construction and an IDOT Permit for the work within the Lake Cook Road ROW.

STORMWATER

Madison Early Childhood Center Stormwater Improvements, Elmhurst: Project Engineer. CBBEL provided a full range of engineering services for this project, including topographic survey, hydrologic and hydraulic modeling, preliminary engineering, final engineering, bid assistance, and construction observation. Project consisted of installation of approx. 1,500 LF of storm sewer ranging in size from 24" to 48" in diameter to new recessed detention basin which includes a soccer field. Additionally, 800 LF of new sanitary sewer was constructed. Project involved extensive coordination with Elmhurst Community Unit School District 205. Custom curb overflow structures were designed to accept drainage and divert flow away from main line storm sewers already at capacity.

Maycliff South Drainage & Watermain Improvements, Orland Park: Design Engineer. CBBEL conducted a hydrologic and hydraulic model of Maycliff Subdivision to develop the most effective method to alleviate flooding. The model indicated and CBBEL recommended a stormwater collection and conveyance system. In addition to drainage improvements, the existing watermain was to be replaced. Improvements included approx. 2,800 LF of storm sewer ranging from 12" to 60" in diameter as well as approx. 5,400 LF of new 8" and 12" diameter watermain.

Hopi Lane, Carpentersville: Project Engineer responsible for the design and construction documents to construct a new large diameter storm sewer to provide flooding relief to local business and residents. Water main and sanitary improvements were designed and new service connections were provided within the project limits. The existing cast-in-place box culvert that was failing was filled with controlled low strength material.

Sunset Crest Detention, Cary: Project Engineer. CBBEL completed design of drainage improvements and stormwater storage on 2 residential lots that were purchased by the Village through the Hazard Mitigation Program. Stormwater storage sites included BMPs, new naturalized landscaping and a new 18" storm sewer outlet. Significant coordination was required with ComEd and other utilities as the new outlet was on ComEd property.

Deerpath Park, Vernon Hills: Project Engineer responsible for the design of shoreline stabilization with limestone outcroppings for fishing access. Stormwater improvements included replacing deteriorating CMP with new large diameter concrete pipe to the shoreline edge. The new outfalls flow to stilling basins armored with riprap. Excavated material from shoreline stabilization was kept on-site and respread.

Washington Park, Downers Grove: The redevelopment of a park site to provide stormwater improvements in the St. Joseph Creek Watershed. Improvements included the addition of an acrylic surface basketball court, two playground areas adjacent to a fountain feature, two soccer fields, and a softball field which included an under drain system and stadium style seating.

Daniel Lynch, PE, CFM

Vice President, Head, Municipal Engineering Department

YEARS EXPERIENCE: 34
YEARS WITH CBBEL: 34

EDUCATION
Bachelor of Science, 1989
Civil Engineering
Purdue University

PROFESSIONAL REGISTRATION
Professional Engineer, IL, 062.049167, 1994

CERTIFICATIONS
Certified Floodplain Manager, IAFSM

PROFESSIONAL AFFILIATIONS
American Society of Civil Engineers, Illinois Section

Illinois Association for Floodplain and Stormwater Management

DuPage County Municipal Engineers Group

Dan's responsibilities include municipal engineering design, review and analysis and site development design and analysis. Primary duties include design and analysis of stormwater management systems, review of plans for compliance with local and state regulations, design of infrastructure, development of construction plans and specifications, and site analysis. He regularly attends Village Board, Plan Commission, and Zoning Board meetings as well as meeting with residents.

MUNICIPAL ENGINEERING

Village of Willowbrook (1990 - Present): Primary responsibility is coordination with Village staff in plan review and capital projects process. Tasks consist of reviewing subdivision plats and development plans for compliance with Village regulations, review of drainage and stormwater management plans for compliance with local and state regulations, Village special projects, meeting with residents to discuss drainage complaints, and consultation to Village staff regarding capital improvement scheduling, budgeting and infrastructure maintenance.

Village of Wayne (1991 - Present): Primary responsibilities as Village Engineer include review of subdivision plans, review of single family home grading plans, construction monitoring, design of Village projects, consulting on special projects, meeting with residents to discuss various issues, and consulting with the Village Board on development and public works issues as well as annual and long term budgets. Responsibilities also include attending Village Board and Plan Commission meetings.

City of Darien (1995 - Present): Responsibilities include review of development plans for compliance with City and County code, and design and analysis of various infrastructure improvements. The review of numerous multi-family, single family, office, retail and a park district sports complex have been conducted. Responsibilities also include meeting with residents, inspection services for public projects and private developments. Additional responsibilities include attending City Council meetings and Plan Commission meetings when requested.

Village of Chicago Ridge (1995 - Present): Responsibilities include review of development plans for compliance with Village code and standard engineering practices. Projects reviewed have included residential, non-residential, and government developments. Scope of review includes compliance with MWRD Watershed Management Ordinance, state, and federal regulations.

Village of Elmwood Park (1995 - Present): Responsibilities include review of development plans for compliance with Village code and standard engineering practices. Projects reviewed have included residential, retail, and other miscellaneous projects.

Village of Rosemont (1996 - Present): Responsibilities include review of development plans for compliance with Village code and standard engineering practices. Projects reviewed have included numerous hotel, retail, office, and residential projects. Scope of review includes compliance with MWRD Watershed Management Ordinance.

Village of Clarendon Hills (2000 - Present): Responsibilities include review of development plans for compliance with Village code and standard engineering practices. Projects reviewed have included single-family, multi-family, and non-residential projects.

Village of Wilmette (2010 - Present): Responsibilities include review and inspection of all new development including single family homes, commercial properties, and institutional properties. Scope of review includes compliance with MWRD Watershed Management Ordinance, state and federal regulations.

City of Oakbrook Terrace (2011 - Present): Primary responsibility as City Engineer is coordination with City staff in the plan review of private development projects and design and construction observation of capital projects. Tasks consist of reviewing private development projects, including single family homes and commercial projects, for compliance with City Code; as well as County, State, and Federal requirements for stormwater and floodplain regulations. Responsibilities include meeting with residents and attending City Council.

Village of Westchester (2013 - Present): Responsibilities include review of all new development plans including single family homes and commercial properties. Projects reviewed have included residential, retail, and other various projects. Scope of review includes compliance with MWRD Watershed Management Ordinance.

Village of LaGrange (2021 - Present): Responsibilities include review of single family homes and additions, and commercial properties.

Village of Kenilworth (2021 - Present): Responsibilities include review and inspection of new single family homes and additions, and review of projects on bluff of Lake Michigan which have additional code requirements.

Jonathan O'Connell, PE

Vice President, Head, Drainage Department

YEARS EXPERIENCE: 26
YEARS WITH CBBEL: 25

EDUCATION
Bachelor of Science, 1998
Civil Engineering, National University of Ireland, Galway

PROFESSIONAL REGISTRATION
Professional Engineer, IL, 062.059191, 2006

CERTIFICATIONS
Geopak Drainage Certification

HEC-RAS, River Analysis System, National Highway Institute, 2003

Kane County
Engineer Review Specialist

PROFESSIONAL AFFILIATIONS
Irish Engineers and Contractors; Program Event Committee Chairman, 2009; President, 2012, 2017

Illinois Association for Floodplain and Stormwater Management

American Society of Civil Engineers

Environmental and Water Resources Institute

The Conservation Foundation

PROFESSIONAL DEVELOPMENT
Introduction to XP-SWMM, IDOT, 2011

HEC-HMS, 2009

Microstation/Geopak Update, 2007

TR-20 Seminar, 2007, 2004

ACEC-Illinois/IDOT Drainage Seminar, 2006

Hydraulic Reports for Local Bridges Over Waterway Crossings, 2005

TR-20 Hydrologic Modeling Seminar, ASCE, 2005

Urban Drainage Design Seminar, 2005

TBG Hydraulic Reports for IDOT Bridges over Waterway Crossings Seminar, 2004

Jonathan's responsibilities include project management, providing technical direction, supervision and coordination of project activities of conceptual and design plans of individual projects with major emphasis on highway hydraulics and hydrology to ensure highway safety and operational effectiveness while minimizing adverse environmental impacts to adjacent properties. CBBEL Drainage Department Head since 2013, guiding drainage design of numerous Phase II engineering and Phase I Studies of varying complexities for a wide range of clients including Illinois Tollway, IDOT and multiple counties and communities. This responsibility includes supervising the preparation and review of hydraulic reports for waterway crossings and pump stations, drainage studies for major highway improvements, drainage, erosion control and landscaping plan contract documents and coordination with clients. Jonathan's drainage design experience includes the design of culverts, storm sewers using drainage design software such as SUDA, CivilStorm, Hydraflow, HY-22 and HEC-RAS.

IDOT PTB 204/15 Job No. P-91-050-22IDOT District 1 Professional Services, Schaumburg: Project Manager responsible for the successful delivery of all CBBEL projects assisting The Hydraulic Department with the completion of Drainage Investigations, Hydraulic Reports and Location Drainage Studies to determine possible flooding causes and review submitted hydraulic applications, drainage investigations and local road analysis.

North Lake Shore Drive (Grand Avenue to Hollywood Avenue), IDOT and CDOT: Serving as CBBEL's drainage lead for the preparation of a Location Drainage Study (LDS). The scope includes the evaluation of the existing drainage system and recommendation of proposed drainage improvements. The 7-mile NLSD corridor is within Historic Lincoln Park, experiences frequent crashes, severe congestion, and the roadway infrastructure has exceeded its design life by decades. To address these deficiencies North Lake Shore Drive is proposed to be lowered at three new locations and CBBEL is responsible for the design of the proposed Pump Stations. CBBEL is responsible for the presentation of the Location Drainage Study to IDOT, CDOT and other local agencies to obtain their concurrence. CBBEL will have to coordinate all efforts with the Chicago Department of Water Management to ensure their system is not overwhelmed by flows generated by the proposed improvements. Water Quality is of significant importance along this corridor given the proximity to Lake Michigan.

Tri-State Tollway (Wolf Road to Balmoral Ave.): Project Manager responsible for the development of contract documents for this multi-year advanced schedule construction project. 2 construction packages were delivered in a very short period of time which required extensive coordination with the Illinois Tollway and the design team to ensure accurate and on time contract documents. The project involved roadway design, reconstructing / rehabilitation of bridges, retaining wall design, noise wall design, new drainage structures and modification of existing drainage system, erosion control for all construction zones, design of appropriate landscape and soil erosion/sedimentation control measures as necessary, pavement markings, delineators and signage, barrier warrant analysis and installation of guardrail, anchors and terminal, update roadway lighting, maintenance of traffic, protection and relocation of utilities.

I-294 Northbound Ramps at 88th Avenue and Archer Avenue, Justice: Project Manager for Location Drainage Study to construct new NB exit and entrance that will improve overall traffic flow and drainage in the area. The proposed new ramps are being evaluated at multiple locations that will have varying effects on traffic patterns along the adjoining state, county, and local roadway network. Each alternative considered is being fully evaluated with respect to travel performance, potential impacts, and costs, and compatibility with the Village's Vision 2030 Plan. In addition, a robust public involvement program is being utilized to get early project input from key stakeholders within the Village, as well as Cook County, IDOT, and the Tollway. Project is being advanced on an expedited schedule to coincide with planned improvements to the Central Tri-State by the Tollway. Drainage improvements are being coordinated with the Central Tri-State plan. Duties include geometric layout and evaluation of multiple alternative concepts, intersection design analysis, public involvement, and compilation of Design Report.

I-90 Reconstruction (Elgin Plaza to US 20), Illinois Tollway: Coordinated completion of hydrologic and hydraulic modeling and reports in support of 6 IDNR-OWR Floodway Construction Permits for major Tollway culvert replacements and one longitudinal encroachment along the 12 mile I-90 Corridor. Oversaw the overall detention analysis as part of Master Plan process. Detention is provided on a regional basis within each watershed. Prepared Design Memorandums and coordinated regularly with project engineering team and Tollway and IDNR-OWR reviewers to meet submittal schedule for both the Master Plan and final design. Incorporated previous design of IL 47 interchange to accommodate the proposed drainage plan. Met with local agency representatives and attended local coordination meetings. Project incorporates significant water quality BMPs.

Tri-State Tollway (IL 60 to IL 137), Illinois Tollway: Project Engineer for preparation of drainage plans, special provisions and cost estimate. Duties included design of inlet spacing, storm sewers, ditches, cross-road culverts and pipe underdrains.

Balmoral Avenue Stage III, Rosemont: Project Manager responsible for LDS. Project is the 3rd stage that extends Balmoral Ave from I-294 to Bessie Coleman Dr on O'Hare Airport property. Stage I extended Balmoral Ave west with a bridge over CNRR and partial interchange with Mannheim Rd. Stage II added a fly-under ramp to this interchange, which provided access to Balmoral Ave from SB Mannheim Rd. Stage III featured a new 4-lane roadway on new alignment which crosses above Mannheim Rd via a 3-span steel framed bridge. To reduce costs, this bridge utilizes pile-bent abutments built behind precast concrete MSE-type abutment walls. Stage III includes new ramp from Balmoral Ave to SB Mannheim Rd, completing the Mannheim Rd/Balmoral Ave Interchange.

I-290 (US Route 12/20/45 to IL Route 50), Cook County, IDOT: Project Manager responsible for LDS. Scope included the evaluation of existing drainage system and recommendation of proposed drainage improvements. CBBEL is responsible for presenting the Existing Drainage Plan and the Proposed Drainage Plan to IDOT, local agencies and other agencies and obtain their concurrence. The LDS will recommend proper measures to minimize impacts with respect to water quantity and water quality. A Hydraulic Report for I-290 bridge over the Des Plaines River and I-290 bridge over Addison Creek will also be prepared and submitted for IDOT approval.

I-94 (IL Route 137 to IL Route 132), Lake County, Illinois Tollway: Project Engineer responsible for Concept Drainage Report, Drainage Contract Plans, Drainage Schedule, Special Provisions and Cost Estimates.

I-94 (IL Route 60 to IL Route 137), Lake County, Illinois Tollway: Project Engineer responsible for Concept Drainage Report, Drainage Contract Plans, Drainage Schedule, Special Provisions and Cost Estimates.

I-88 (East West Tollway), DuPage County, Illinois Tollway: Project Engineer for preparation of conceptual, preliminary and final plans, special provisions and cost estimates. Preparation of CDR which included hydrologic and hydraulic analyses for I-88 bridges over East Branch DuPage River. Other duties included design of inlet spacing, storm sewers, ditches, cross-road culverts, pipe underdrains and detention basins.

I-88 (East of Naperville Road to I-355), DuPage County, Illinois Tollway: Project Manager responsible for Concept Drainage Report, Drainage Design Plans, Drainage Schedule, Special Provisions, Cost Estimates and IDNR-OWR Floodway Construction Permit.

I-80 (US 30 to US 45), IDOT: Project Manager. Project consisted of construction of a third through lane in each direction within the median of I-80, bridge rehabilitation or reconstruction, traffic noise analysis and coordination, drainage improvements, and reconstruction of the US 30 interchange. A CDR, ECAD Record and Document, and BCRs were prepared.

IL Route 60 at I-94, IDOT: Project Manager responsible for preparation of LDS. This project received the 2009 IDOT Exceptional Service Award for Phase I Urban Highway Projects.

IL Route 60 at Fremont Avenue, Unincorporated Lake County: Project Engineer for design of a new storm sewer system which included analyzing the hydrology and the preparation of a drainage plan and profile documents.

I-90 (John F. Kennedy Expressway), N. Central Avenue to W. Wilson Avenue, IDOT: Project Engineer for preparation of Drainage Investigation of existing drainage system. Duties included evaluation of existing closed drainage system, identifying existing drainage problems, preparing a report highlighting problem areas and remedying solutions.

Golf Road/Algonquin Road, Rolling Meadows: Project Engineer for evaluation of existing closed drainage systems. Also responsible for identifying existing drainage problems and preparing Phase II drainage documents.

Plum Grove Road, Rolling Meadows: Project Engineer for drainage design of a proposed sewer system, the preparation of contract documents, and creation of proposed drainage plans.

Illiana Expressway P3, IDOT: Oversaw completion of 30% drainage plans.

Fabyan Parkway at Kirk Road Phase I Engineering, KDOT: Project Manager responsible for coordination, environmental, and drainage studies for a reconstruction intersection improvement. Project coordination including the Village of Batavia, City of Geneva, and local property owners and businesses.

US Route 41 at IL Route 176 Interchange, Lake Bluff and IDOT: Project Manager responsible for preparation of LDS and Pump Station 37 Hydraulic Report as well as upgrades to Pump Station 41. CBBEL is responsible for presenting the Existing Drainage Plan and Proposed Drainage Plan to IDOT, local agencies and other agencies and obtain their concurrence. The LDS will recommend proper measures to minimize impacts with respect to water quantity and water quality.

Timber Edge Creek, Oakbrook Terrace: Project Engineer for preparation of a Preliminary Bridge Design & Hydraulic Report for Timber Edge Creek Drive over Salt Creek. HEC-RAS was used to model the existing and proposed conditions. A SCOUR analysis was also completed.

Delany Road, Lake County: Project Engineer for reconstruction of Delany Road from Sunset Ave to Wadsworth Rd, a distance of approx. 14,000' (2.65 mi.). Improvements included the reconstruction of existing 2-lane rural pavement to provide a 4-lane undivided urban highway with a flush two way left turn lane median bound by B-6.24 curb and gutter. A closed drainage system with detention, profile adjustments, intersection improvements and a bike underpass were also constructed.

Location Drainage Study for Bolz Road, Kane County: Project Engineer. Studied preparations including interpreting drainage subdivides, assessing existing closed drainage systems and overland flow characteristics, identifying existing drainage problems, and hydraulic modeling of the impacted Fox River.

Stearns Road (McLean Blvd to IL Route 25), KDOT: Project Manager responsible for IDNR Public Water Permits and Hydraulic Reports for Bridge over Fox River and Temporary Causeway, Drainage Contract Plan with Schedule, and Drainage Calculations.

East End Avenue Improvement Phase I Study, Cook County: Project Manager for a safety improvement through IDOT's Highway Safety Improvement Program. Due to crash history and relatively low existing traffic volumes, a lane diet was recommended for East End Ave to convert existing 4-lane roadway with no median into a 3-lane roadway including a bi-directional left-turn lane median. Intersection improvements include traffic signal modernization at East End Ave at 26th St and East End Ave at East Sauk Trail. Additional work included a crash analysis, IDSs, Traffic Management Plan, Location Drainage Technical Memorandum, and CE I Project Report.

IL Route 60 at Saunders, Lake Forest: Project Engineer for drainage design of proposed storm sewer system & inlet spacing.

IL Route 19 at Judd Avenue/Scott Street Intersection Improvement Phase I Study, Cook County: Project Manager responsible for preparation of a Location Drainage Technical Memo.

Edmund Burke, PE

Project Manager, Drainage Engineering Department

YEARS EXPERIENCE: 14
YEARS WITH CBBEL: 14

EDUCATION
Master of Science, 2010
Civil Engineering
Purdue University

Bachelor of Science, 2008
Civil and Environmental Engineering, Virginia Military Institute

PROFESSIONAL REGISTRATION
Professional Engineer, IL, 062.072858, 2021

CERTIFICATIONS
Two Dimensional Hydraulic Modeling of Rivers at Highway Encroachments, National Highway Institute, FHWA-NHI-135095

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

PROFESSIONAL AFFILIATIONS
American Society of Civil Engineers

Western Society of Engineers

Eddie is a Project Manager specializing in Roadway Drainage. He has experience in Phase I and Phase II roadway projects. His Phase I experience includes the preparation of Location Drainage Studies, Location Drainage Technical Memorandums, Hydraulic Reports and Concept Drainage Reports. Eddie's Phase II experience includes the preparation of plans, schedules and specifications. He has a detailed understanding of ordinances for local counties and municipalities, as well as IDOT and Tollway Drainage manuals.

Software experience includes: Microstation V8i, XP-SWMM, GIS, TR-20, HEC-RAS, HEC-HMS, Hydroflow, HY-8, Microsoft Office Programs, ArcGIS, Subsurface Utility Design and Analysis, Civilstorm and SMS SRH-2D

Central Tri-State Tollway BNSF Bridge Reconstruction, Illinois Tollway: Drainage Engineer. Prepared concept drainage report and Phase II drainage and erosion engineering plans for the proposed replacement of BNSF railroad bridge over I-294. Responsible for drainage analysis of stormwater analysis and design, including proposed enclosure of Flagg Creek, compensatory storage, floodway permitting, detention analysis, and temporary and permanent drainage features and BMPs.

I-55 (I-355 to I-94), Illinois Department of Transportation: Drainage Engineer. Responsible for developing hydraulic models and reports that evaluate the existing conditions of stream crossing under I-55 and the evaluation of alternatives associated with Pump Station 30.

Old McHenry Crossings, Lake County Division of Transportation: Lead Drainage Engineer. Responsible for developing hydraulic models to determine BFE for adjacent depressional storage locations, preparation of Phase I existing and proposed drainage plans.

Bernard Drive Reconstruction, Village of Buffalo Grove: Lead Drainage Engineer. Responsible for Phase I and Phase II documentations, including Location Drainage Technical Memorandum, Hydraulic Report, exsting and proposed drainage plans.

E. 9th Street Corridor, City of Lockport: Lead Drainage Engineer. Responsible for Phase I and Phase II documentations, including Location Drainage Technical Memorandum, Hydraulic Report, existing and proposed drainage plans. Included coordination with IDOT for Phase I approval for Hydraulic Report.

Kreutzer Road, Village of Huntley: Lead Drainage Engineer. Responsible for Phase I and Phase II documentations, including Location Drainage Technical Memorandum, Hydraulic Report, existing and proposed drainage plans. Included coordination with IDOT for Phase I approval for Hydraulic Report.

Hydraulic Various, Illinois Department of Transportation: Drainage Engineer. Responsible for managing multiple IDOT work orders, including the Hydraulic Reports, Location Drainage Technical Memorandums. Each work order requuires coordination with local entities and IDOT staff.

FAI 290, IDOT: Drainage Engineer. Responsible for working on multiple IDOT hydraulic Reports for I-290 over the Des Plaines River and Addison Creek.

Michael Cothard, PE, CFM

Senior Water Resources Engineer

YEARS EXPERIENCE: 38
YEARS WITH CBBEL: 36

EDUCATION
Bachelor of Science, 1986
Agricultural Engineering
University of Illinois at Urbana-Champaign

PROFESSIONAL REGISTRATION
Professional Engineer, IL, 062.051264, 1997

CERTIFICATIONS
Certified Floodplain Manager, IAFSM

PROFESSIONAL AFFILIATIONS
Association of State Floodplain Managers, Chapter 2 District Director, 2012-2014

Illinois Association for Floodplain and Stormwater Management: Immediate Past Chair, 2013-2015; Chair, 2011-2013; Vice-Chair, 2009-2011; Treasurer, 2007-2009; Annual Conference Committee Chair, 2009-2011; Stormwater Management Committee Chair, 2006-2007

American Society of Civil Engineers

Mike is a Professional Engineer experienced in water resources engineering. He is responsible for civil and water resources engineering project analysis and design; including development of hydrologic and hydraulic models to establish floodplain and floodway limits for evaluation of proposed modifications. Mike is a Project Manager working with and leading multi-discipline project teams to evaluate stormwater management alternatives and generate reports documenting results and recommendations. He reviews permits submittals for conformance with local, state and federal standards and requirements and performs watershed and floodplain determination studies using hydrologic and hydraulic models for both steady and unsteady flow. Mike applies for and receives state and federal acceptance of LOMA, CLOMR-F, LOMR-F, CLOMR and LOMRs.

Mike's computer proficiency includes Hydrologic and Hydraulic Models: HEC-1, TR-20, HEC-HMS, HEC-2, HEC-RAS, SWMM and WSP-2; and Unsteady Flow Models: XPSWMM, FEQ and Unsteady HEC-RAS.

IDOT District 1 Professional Services, Schaumburg: Project Manager assisting the Hydraulic Department Head with the creation of Location Drainage Studies, Drainage Investigations, flooding analysis and modeling, determination of possible flooding causes and review of submitted hydraulic applications, drainage investigations and local road analysis for floodway permitting. Permitting and creating support documentatin for IDOT Floodway permit applications and acceptance. .

Elgin-O'Hare - Western Access (I-294 to I-90), Illinois Tollway, Bensenville: Project Engineer responsible to duplicate, extend and update unsteady state HEC-RAS modeling of Addison Creek. Coordinate with local agencies to obtain available data and studies; prepare updated existing conditions unsteady state hydraulic model for Addison Creek; create extended continuous existing conditions Addison Creek hydraulic model; analyze effects of providing and not providing detention and/or floodplain compensation associated with proposed I-294 improvement alternatives for their feasibility by calculating effects on flow rates and water surface elevations along Addison Creek.

I-290 at Addison Creek Crossing Permit, IDOT, Bellwood: Project Engineer responsible for duplication and update of unsteady and steady state HEC-RAS modeling of Addison Creek. Coordinate with local agencies to obtain available data and studies; prepare updated unsteady state existing conditions Addison Creek hydraulic model; create updated steady state existing conditions Addison Creek hydraulic model; comparison of steady and unsteady state modeling results; analyze effects of revisions associated with proposed I-290 improvements to both models by calculating effects on flow rates and water surface elevations along Addison Creek.

O'HARE Airport Development Maintenance: Preparation of the 2017 through 2024 OMP Annual report to DuPage County as a requirement of the O'Hare Modernization Program Airport Operations stormwater permit for presentation of concourrence with 2013 OMP permit.

IDNR-OWR FLOODWAY CONSTRUCTION AND FEMA PERMIT APPLICATION

O'Hare Modernization Program, Chicago: Directed revision of FIS regulatory WSP-2 hydraulic and TR-20 hydrologic modeling to reflect the multiple Phase I design alternatives involving relocation of Willow, Higgins and Willow-Higgins Creeks on northern O'Hare Airport in order to accomplish the directives of OMP and meet the needs of DOA and FAA. In order to accommodate proposed airport facilities, Willow-Higgins Creek needed to be relocated and portions enclosed through the airport. Performed necessary hydraulic modeling and IDNR-OWR floodway construction permit application packages for improvements. Submitted required documentation to IDNR-OWR and secured floodway construction permit prior to ROD. Updated WSP-2 hydraulic models to HEC-RAS models and secured pre-project condition approval from IDNR-OWR and LOMR from FEMA. Submitted CLOMR concurrence request to IDNR-OWR. Submitted and received final FEMA floodway permitting for O'Hare Modernization Program revisions to Higgins and Willow Creeks.

Huntington 90 Business Park, Hoffman Estates: Recreated existing FIS model employing HEC-RAS modeling. Inserted additional cross-sections and verified revisions to model for existing conditions. Developed the commercial site detention and compensatory storage system. Prepared support documentation for and received IDNR-OWR permit. Applied for and received FEMA CLOMR and LOMR.

Altorfer Site, Unincorporated Kane County: Recreated existing FIS model employing HEC-RAS modeling. Inserted additional cross-sections and verified revisions to model for existing conditions. Developed the commercial site detention and compensatory storage system. Prepared support documentation for and received IDNR-OWR permit. Applied for and received FEMA CLOMR and LOMR.

Unnamed Tributary A to Illinois and Michigan Canal Floodplain at 135th Street Property, Lemont: Created existing FIS model employing HEC-HMS and HEC-RAS modeling. Inserted additional cross-sections and verified revisions to model for existing conditions. Developed the commercial site detention and compensatory storage system. Prepared support documentation for and received IDNR-OWR permit.

Cherry Hill Rail Buisiness Park, New Lenox: Created existing FIS model employing HEC-RAS modeling. Inserted additional cross-sections and verified revisions to model for existing conditions. Developed the 113-acre commercial site detention and compensatory storage system applying 15 subbasins and 8 existing and proposed stormwater facilities. Prepared support documentation for and received Village and IDNR-OWR permit.

Butterfield Country Club, DuPage County: Assisted golf course architect (Steve Smyers Golf Course Architects) in developing a Master Plan for future golf course improvements. Ginger Creek flows through the golf course. A streambank stabilization and relocation plan for Ginger Creek was prepared. Proposed improvements are consistent with DuPage County Ginger Creek Watershed Plan. FEQ unsteady flow model was used to evaluate the effectiveness of proposed storage volume. On behalf of Country Club, CBBEL applied for and obtained permits from DuPage County and USACE.

Gary Avenue Gardens, Carol Stream: Coordinated design and modeling for storm sewer project and outlet channel for residential subdivision. Revised FEQ unsteady flow hydraulic model to determine the benefits of proposed drainage improvements. Responsible for permitting with various regulatory agencies (DuPage County, USACE, Village, etc.).

Willow Creek Health Club Floodway Permit, Rosemont: Recreated existing FIS model employing HEC-2 model. Inserted additional cross-sections and verified revisions to model for existing conditions. Relocated and designed 900' of Willow-Higgins Creek to remove the health club structure from floodway. Designed the 4-cell 9'x9' reinforced box culvert and 1,500 LF of retaining wall along the east bank of Creek. Prepared support documentation for and received IDNR-OWR permit in accordance with design accepted as part of Lower Des Plaines Watershed Study. Applied for and received FEMA CLOMR and LOMR.

Regional Stormwater Management Facility, Bolingbrook, Will County: Developed modeling for Phase II design of facility along Lily Cache Creek. The creek flows through a largely undeveloped area consisting of farmland. In order to provide an efficient stormwater management system, the Village decided it would be appropriate to have a regional stormwater management facility to serve future development. Using the Lily Cache Creek hydrologic and hydraulic models developed by FEMA, CBBEL staff developed preliminary plan for several stormwater management basins that would provide detention and floodplain storage of tributary properties. Construction of basins would also produce a beneficial lowering of Lily Cache Creek 100-year profile through the study area. CBBEL staff prepared various documents showing the cost and distribution of project benefits to each tributary property.

On behalf of the Village, CBBEL prepared Joint Permit Application and FEMA CLOMR and LOMR requests. The 920 acre-foot facility maintained detention and compensatory storage for 2 square miles of surrounding area, decreased upstream profile and decreased downstream peak flow rates. Applied for and received IDNR-OWR, FEMA CLOMR and FEMA LOMR permits.

King-Bruwaert Woods, Burr Ridge: Corrected the 63rd St Ditch FIS model which created a new floodway. Submitted support documentation for and received IDNR-OWR permit and FEMA LOMR. Placed roadway creek crossing and pedestrian bridge within the floodway and encroached floodplain to the floodway boundaries. Submitted support documentation for and received IDNR-OWR permit and FEMA CLOMR-F and LOMR-F.

112 S. Vine Street, Hinsdale: Corrected the Salt Creek FIS model which revised the floodplain elevation and location. Submitted support documentation for and received a FEMA LOMA.

12 E. Glendale, Hinsdale: Corrected the Flagg Creek FIS model which revised the floodplain elevation and location. Submitted support documentation for and received a FEMA LOMA.

ComEd Substation Expansion, Libertyville: Created the existing and proposed condition Hydrologic and Hydraulic Modeling for the proposed substation expansion. Submitted the Lake County permit application.

ComEd TSS64 Substation Floodwall, Bellwood: Revised the Addison Creek conditions applying a floodwall around the ComEd Substation TSS62 and installation of the excavation pump system to apply to FEMA for a LOMR-F based on the levee system.

Rock Run Greenway Bike Path Rehab, Joliet: Determined impacts to Rock Run North and Rock Run Tributary No. 1 associated with the Rock Run Greenway bike trails, boardwalk and roadway widening located within the floodway. Submitted required IDNR-OWR permit application.

Countryside Flood Control Project: Enclosed 3,200' of East Avenue Ditch and 2,500' of East Avenue Ditch Tributary. Created FIS, existing and proposed condition models as split flow applying HY8 culvert and WSP-2 models. Prepared support documentation for and received IDNR-OWR permit. Developed economic assessment for flood prone area applying HY8 culvert, WSP-2 hydraulic and DEC-1 economic models. Prepared support documentation for and received approval from IDOT for funding request. Received FEMA CLOMR-F and IDNR-OWR floodway acceptance for enclosure.

Fox Mill Wastewater Treatment Plant, Unincorporated Kane County: Performed Wave Run-Up and Dam Breach analysis for two 19'-deep Wasco Sanitary District storage lagoons with the HEC-1 dam breach model. Applied HEC-1 results to Mill Creek HEC-2 hydraulic model to determine dam breach impacts.

Addison Creek Tributaries No. 2 and 3 Flood Control, Bensenville: Revised FIS model based on new survey information. Determined required revisions to restrictive culverts which caused flooding along the waterway using WSP-2 model. Developed economic assessment for flood prone area applying DEC-1 economic model. Prepared support documentation for IDNR-OWR permits and funding request.

Prince Crossing Road (IL Route 64 to Geneva Road), West Chicago: Submitted support documentation for DuPage County stormwater management permit for widening 1.9 miles of roadway. Widening required stormwater storage within the ROW, adjacent to ROW, within existing offsite ponds and a variance from ordinance. The widening included a crossing of Tributary Number 3 to West Branch DuPage River downstream of a critical wetland. Support documentation was submitted to IDNR-OWR for proposed river crossing and structure which maintained the critical wetland hydrology.

Julie Gangloff, CWS

Vice President, Head, Environmental Resources Department

YEARS EXPERIENCE: 27
YEARS WITH CBBEL: 23

EDUCATION
Bachelor of Science, 1997
Biology, Saint Mary's College, Notre Dame, IN

CERTIFICATIONS
Certified Wetland Specialist, Lake County

Certified Wetland Specialist, McHenry County

Designated Erosion Control Inspector (DECI), Lake County

Qualified Wetland Specialist, Kane County

Midwest Ecological Prescription Burn Crew Member Training

PROFESSIONAL DEVELOPMENT
Wetland Plant Identification Class: Robert H. Mohlenbrock, DuPage County, 2003

Illinois Hydric Soils Class: Lenore Vasilas and Bruce Vasilas, DuPage County, 2002

The Chicago Wilderness Midwest Ecological Prescription Burn Crew Member Training, 2002

Wetland Delineator Certification Program: Wetland Training Institute, Madison, WI, 1997

PROFESSIONAL AFFILIATIONS
Illinois Association of Environmental Professionals

Ms. Gangloff has extensive experience in the Chicagoland area and has completed environmental reviews of more than 2,000 projects. Responsibilities include management of environmental staff, preliminary environmental screening for utility clients, coordination and completion of wetland delineations, natural area assessments and completing wetland reviews for municipalities. Ms. Gangloff also prepares Section 404 and 401 permits, Lake, McHenry, Kane and DuPage County wetland permits in compliance the county specific stormwater and floodplain ordinances, as well as wetland permits in the State of Indiana. In addition, she coordinates with clients on implementation of and compliance with NPDES regulations. She has extensive experience coordinating with local regulatory agencies including US Army Corps of Engineers (USACE), Illinois Department of Natural Resources (IDNR), US Fish and Wildlife Service (USFWS), Illinois Historic Preservation Agency (IHPA) along with multiple County stormwater management agencies.

Project management skills include preparation of environmental consulting services proposals, project budgets, and managing financial forecasts and accruals throughout the duration of the project. Ms. Gangloff is also responsible for managing master project tracking spreadsheets for clients.

Computer application experience: Floristic Quality Assessment Program for Chicago Region

COMMONWEALTH EDISON PROJECTS

ComEd Grand Prairie Gateway, DuPage, Kane, DeKalb and Ogle Counties: Project management tasks included coordinating wetland delineation for a 66-mile overhead transmission line, consisting of 400 new monopole towers. Prepared and obtained required Section 404 permit authorizations from Chicago District USACE and Rock Island District USACE. In addition, prepared and obtained required DuPage and Kane County wetland approvals. Participated in weekly project team calls and meetings in addition to providing field support during vegetation clearing in environmentally sensitive areas. Also managed project budgets including forecasts and accruals.

ComEd Station 16 Waukegan, Lake County: Completed wetland delineation of former tannery site and coordinated with USACE and Lake County Stormwater Management Commission (LCSMC) to obtain a jurisdictional determination and isolated wetland exclusion for the identified wetlands. This included meeting with environmental agencies during compliance inspections as part of USACE and LCSMC permitting. Also trained field crews on USACE wetland, and threatened and endangered species compliance (Blanding's turtle).

ComEd TSS 117 Prospect Heights Substation, Wheeling, Cook County: Project Manager responsible for completing wetland delineation and JD submittal for proposed substation expansion. Results of USACE JD were not favorable to the client; therefore, a formal appeal of the JD was submitted. Coordinated appeal responses with client and legal counsel and attended field meetings with USACE staff and client to discuss appeal. USACE rescinded the JD.

ComEd Hines' Emerald Dragonfly Habitat Conservation Plan, Will and Cook Counties: ComEd's service territory extends though portions of the designated critical habitat for federally endangered Hine's emerald dragonfly (HED). Assisted ComEd with preparing low-effect habitat conservation plan for the HED, which also covered the following species: Blanding's turtle (Emydoidea blandingii); spotted turtle (Clemmys guttata); black-billed cuckoo (Coccyzus erythropthalmus); lakeside daisy (Hymenoxys acaulis); and leafy prairie clover (Dalea foliosa). Coordinated with USFWS and IDNR to obtain Incidental Take Permits. During construction activities, provided contractor field training to identify the covered species and completed onsite monitoring for species during construction activities. This information is used to prepare annual summary reports to USFWS and IDNR.

Rutland Township (Sandwald) Substation, Kane County: Project Manager for construction. Responsible for coordinating and assisting with delineation, USACE permit application and Kane County Stormwater Management Permit application. Tasks included coordination with USACE and Kane County during their permit review process.

Wolfs-Oswego, Kendall County: Project Manager for installation of a ±4-mile overhead utility line from Montgomery Substation to Oswego Substation. Responsible for assisting with wetland delineation (utilizing GPS) and preparation of a Section 404 permit application for authorization under Nationwide Permit 12. Tasks included project coordination with US Fish and Wildlife Service to obtain compliance under Section 7 of the Endangered Species Act of 1973 and with Rock Island USACE for Section 404 permit authorization.

Lake Bluff Substation, Lake County: Project Manager for construction. Responsible for coordinating and assisting with delineation and Regional Permit application. Tasks included extensive coordination with USACE during their permit review process and LCFPD to facilitate the wetland mitigation.

Round Lake Beach Substation, Lake County: Project Manager for construction. Responsible for coordinating and assisting with delineation and coordinating with LCSMC to obtain permit authorization.

Bristol ROW, Kendall County: Project Manager for installation of an overhead utility line. Responsible for assisting with wetland delineation (utilizing GPS) and preparation of a Section 404 permit application for authorization under Nationwide Permit 12. Tasks included project coordination with US Fish and Wildlife Service to obtain compliance under Section 7 of the Endangered Species Act of 1973 and with Rock Island USACE for Section 404 permit authorization.

Line 17121 (Wempletown to Lena), Winnebago and Stephenson Counties: Assisted with wetland delineation of wetland boundaries within the 22-mile ROW. Tasks included delineating 25 jurisdictional wetlands and waters of the US.

Line 0901 (Joliet to Matteson), Will County: Assisted with delineation of 10 wetland and waters of the US boundaries within the 19.6-mile ROW. Also helped prepare an aerial photograph exhibit illustrating the locations of flagged wetlands and waters of the US.

Line 15507/08 (TSS 155 Nelson to TSS 107 Dixon), Lee County: Assisted with determining the limits of 10 wetlands/waters of the US within the existing 9-mile ROW. Authored technical memorandum.

Lombard to Franklin Park, Unincorporated DuPage County: Assisted with wetland delineation of 4 wetlands and a portion of the East Branch DuPage River covering approx. 34 acres within the ROW. Tasks included coordinating professional land survey (utilizing GPS) of the wetland and waters boundaries. Successfully compiled and obtained DuPage County Stormwater Management Permit for new distribution line. Coordination was required with DCDEC during their permit review process.

ENVIRONMENTAL RESOURCES PROJECTS

ONEOK Environmental Screening, Various Counties and States: Responsible for completing environmental reviews of various utility projects located in Kansas, Iowa and Illinois for the presence of wetlands, waters of the US and threatened and endangered species. Prepared spreadsheets summarizing the reviews.

Broadfield Subdivision Outlet Drainage Improvements, Lake County Surveyor's Office, Merrillville, IN: Project Manager for wetland delineation for the drainage improvement study area. Responsible for coordinating and completing delineation and preparing USACE request for jurisdictional determination.

Lago Vista Active Adult Community, Hartz Construction Company, Lockport: Project Manager for wetland delineation. Responsible for coordinating and assisting with delineation and Individual Permit application. Tasks included extensive coordination with IEPA during their anti-degradation assessment of the property, with USACE during their permit review process, and with City of Lockport to facilitate the review and approval. Designed an on-site wetland mitigation area with project specific BMPs in order to provide an improvement to the overall watershed and authored technical reports.

DuPage County Department of Drainage Division: Assisted with wetland delineation and prepared DuPage County Tab 4 and Tab 5 Wetland and Riparian Submittal and USACE Permit application for Reach 8 Winfield Creek Flood Control Project in Unincorporated DuPage County. Also prepared the wetland buffer mitigation-planting plan.

Hampton Reserve, Pulte Homes, Mundelein: Project Manager for wetland delineation for a 55 acre residential development. Project included coordinating and completing delineation, Section 404 permit application for authorization under Regional Permit 7 and Regional Permit 8, and LCSMC Permit application. Extensive coordination was required with review agencies during their permit review process and with the Village to facilitate the review and approval.

Armitage Creek Streambank Stabilization, Glendale Heights, DuPage County: Project Manager responsible for completing wetland delineation, DuPage County Tab 4 and Tab 5 Wetland and Riparian Submittal and USACE Permit application. Also prepared the wetland buffer and riparian environment mitigation-planting plan.

Forest Preserve District of Lake County: Prepared Section 404 Permit application for authorization under Regional Permit 10 and LCSMC permit application for Long Lake Shoreline Stabilization project.

Lake County Division of Transportation: Project Manager for wetland delineation for ±2.5-mile Delany Road Widening project. Tasks included coordinating and assisting with delineation and writing technical report.

Will County Division of Transportation: Project Manager for wetland delineation of 13.5-mile Caton Farm Road corridor. Responsible for coordinating and assisting in delineation and authoring technical report. Analyzed each alternative to determine potential wetland and floodplain impacts in order to complete the evaluation matrices. Prepared IDNR wetland impact evaluation forms for compliance under the Interagency Wetland Policy Act of 1989.

DuPage National Technology Park, DuPage County Airport Authority, West Chicago: Assisted with wetland delineation. Successfully compiled and obtained DuPage County Stormwater Management Permits. Coordination was required with DuPage County Economic Development and Planning and USACE during their permit review process.

Elgin Shores Forest Preserve, City of Elgin Parks and Recreation Department, Kane County: Project Manager for delineation. Responsible for completing delineation, USACE permit application, and Kane County Stormwater Management Permit application. Tasks included extensive coordination with USACE and Kane County during their permit review process.

Material Service Corporation, IN: Assisted with wetland delineation on 3 parcels totaling 455-acres in Pulaski, Jasper and White Counties, IN. Authored technical reports.

Homart Development Company, Hoffman Estates: Conducted vegetative and hydrologic monitoring of a 90-acre constructed mitigation area. Assisted with data analysis and authored technical reports.

Salt Creek Streambank Stabilization, Rolling Meadows: Prepared and submitted USACE Individual Permit application. Tasks included extensive coordination with USACE during their permit review process.

John Caruso, PE

Vice President, Head, Mechanical/Electrical Engineering Department

YEARS EXPERIENCE: 36
YEARS WITH CBBEL: 36

EDUCATION
Bachelor of Science, 1988
Mechanical Engineering
University of Illinois at Chicago

PROFESSIONAL REGISTRATION
Professional Engineer, IL, 062.048356, 1993

Professional Engineer, IN, PE11012145, 2010

Professional Engineer, CO, PE.0059191, 2021

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

PROFESSIONAL AFFILIATIONS
American Society of Mechanical Engineers

Engineers Without Borders

Illuminating Engineers Society

Professional Engineer experienced in design of mechanical/electrical engineering projects. Experience includes pump station design, water model studies, roadway and site lighting design, SCADA system design and irrigation design. Participated and/or acted as Resident Engineer on various potable water and sewage related pumping station projects, roadway lighting, and stormwater management projects. Responsibilities include design coordination with all related engineering disciplines on various projects with an emphasis on pumping applications including storm, sewage and potable water pump stations, as well as roadway lighting design and electrical design. Duties include preparation of design memorandum and preliminary engineering reports; acquisition of permits from state, county, and local agencies; preparation of contract specifications and construction plans; review of drawings and specifications for code compliance; providing RE services; design of standby engine generators and electric services; design of lighting systems for roadway, parking lot, landscape, and interior applications; and design of SCADA systems for sanitary, storm and potable water applications. Performs water model analyses using WaterGems, Infowater, WaterCAD and EPANET.

PUMP STATIONS

Southwest Storm Mitigation Phase I, Elmhurst: Project Manager for the design of an 17-acre-foot storm water detention reservoir with a 5 cfs duplex dewatering pump station including SCADA, fiber optic network communications and video surveillance of the facility. The pumps are housed in a 10 foot x 8 foot precast concrete wet well and discharge through a 1,600 foot, 12" diameter PVC forcemain. Remote telemetry is used to determine when pumping/dewatering can occur into the storm sewers after surcharging recedes.

Lansing Pump Station Improvements, Chicago Heights: Project Manager/Design Engineer for replacement of (3) 7,000 gpm horizontal split case potable water pumping units including associated isolation butterfly valves, globe check valves, pipe fittings, insertion flow meter, SCADA improvements to the City of Chicago Heights potable water pumping station.

Meter Vault at Lansing Pump Station, Chicago Heights: Project Manager/Design Engineer for installation of 10' x 10' poured in place concrete, below grade meter vault over existing 36" water transmission main, including the installation of an insertion meter, electric and communication conduit and cable, connection to and modifications to existing SCADA system.

Potable Water Booster Station, New Lenox: Project Manager/Design Engineer for construction of booster pump station at existing Village stand pipe and pump station. Improvements include modification to existing building adding approximately 400 SF of floor space including new standing metal seam roof, roof trusses, brick and CMW block wall construction for 2 new 750 gpm potable water booster pumps to create new pressure zone in remote, elevated area of the Village currently experiencing low water pressure. New standby diesel generator, modifications to existing motor control center, pressure reducing valves, and remote pressure monitor station reporting back to SCADA via radio is included in scope.

IL Route 53 Storm Water Pump Station, Lombard: Project Manager for the design of a 170 cfs storm water pump station including 5 axial flow submersible propeller pumps, 2 submersible centrifugal pumps, a 650 kW diesel fuel standby generator, a 30' x 12' precast concrete electrical controls building, a below grade structural concrete wet well, discharge chamber and junction chamber, on site storm water detention, landscaping, pavement, water main, sanitary sewer, storm sewer, handrails, electric service, culvert lining and existing pump station modifications.

LIFT STATIONS

Seil Road Lift Station, Shorewood: Project Manager/Design Engineer for regional lift station rehabilitation including three 85 Hp, 1600 gpm sewage pumps, 250 kw diesel standby generator, new pump controller with three variable frequency drives and exterior cooling unit, SCADA upgrades, weather station, new check valves and site fencing. Converted project to Design-Build.

Edgebrook Lift Station, Wood Dale: Project Manager/Design Engineer for duplex sewage lift station rehabilitation including 350 gpm submersible sewage pumps, 40 kw natural gas standby generator, pump control panel, flow meter, check and isolation valves in valve vault, and waterproof hatches. Station was within floodplain elevation so area was raised above. DuPage County stormwater permit, recycled plastic site fencing, site grading and landscaping along with concrete access drive and raised stair/platform for access to pump control panel. Station was converted from dry pit can station to wet well submersible pumps.

Woods Lift Station, Flossmoor: Design and construction services and conversion to Design-Build for regional sewage lift station. Replaced dry pit can type station with submersible chopper style sewage pumps. MWRDGC permit. Reused existing pump controls with VFDs. Furnished new natural gas 50 kw standby generator, valve vault with new check and isolation valves.

Fairview Lift Station, Lombard: Rehabilitation of regional sewage lift station including new duplex high flow pump (1500 gpm) and duplex low flow (500 gpm) pumps, new pump controls, 250 kw natural gas standby generator, SCADA integration, reuse/recondition existing concrete wet well, new flow meter, check and isolation valves and new air/vacuum valve on existing 9000 ft. PVC forcemain.

Elm and Blanchard Lift Station, Wheaton: Project Manager for the design and construction of sewage lift station rehabilitation including new submersible 85 hp pumping units, pump controls with variable frequency drive (VFDs), connection to existing standby generator, new electric service, protective structural barrier wall.

SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA) SYSTEM DESIGN

Village of Forest Park SCADA System: Design and project management of SCADA system including 2 elevated tanks, 2 pump stations, meter station, emergency interconnection and lift station.

Village of Chicago Ridge SCADA System: Design, contract document preparation and contract administration of a SCADA system incorporating a main potable water pump station, booster pump station, 1MG elevated water storage tank and three sanitary lift station sites.

Village of Willowbrook SCADA System: Design, contract document preparation and contract administration of a SCADA system. System included 2 elevated storage tanks and a 3MG standpipe and booster pump station.

WATER MODEL STUDIES

Water Distribution Study, Bensenville: Developed & calibrated a water distribution model (MWH Soft Info Water) and established user demands for water distribution system. Identified impacts on system from the removal of the existing piping and water supply demand within the O'Hare Modernization Program expansion area.

Apple Creek Estates, Woodstock: Constructed water model for proposed 540 acre development, including single family, multi-family, commercial & a school. Fire flows, resultant pressures were analyzed along with sizing watermains and future elevated tank.

Village of Palos Park: Three, million dollar construction contracts for more than 10 miles of watermain and sanitary sewer. Through the use of CYBERNET, AutoCAD and KYPIPE, a water model was constructed and analyzed to size booster pump stations and watermain throughout selected portions of the Village.

ROADWAY LIGHTING DESIGN

Roadway and Bridge Reconstruction (I-294) Mile Long Bridge, Willow Springs/Hodgkins/Countryside: Project included approximately 11,000' of interstate widening (5000' of which were on a bridge). Project consisted of removal 81 light poles, 114 temporary wood light poles, 131 proposed light poles, 24 underpass luminaires, 3 lighting controllers and waterway navigation lighting. Also included was coordination with pole manufacture for design of 21 custom temporary 60' steel poles attached to bridge pier caps. Project was permitted thru IDOT and the US Coast Guard. Project was Tollway let. Duties included master plan design options, photometric calculations, electrical design, creation of contract drawings and specifications, summary of quantities, engineer's cost estimate, and new electric service coordination.

I-294 at IL Route 137, Lake County: Project consisted of design of 5,500 LF of a new continuous freeway lighting system in each direction for widening I-294 and intersection lighting design for 4 signalized exit and entrance ramps. The project utilized approx. 75 lighting units with 400W HPS roadway luminaries mounted on 50' mounting height aluminum poles on 15' truss mast arms along with 150W HPS Wall Pak Type Lighting Units for Underpass Lighting. The Main Line lighting is controlled by centrally located Radio Controlled Lighting controller and the intersection transition lighting is controlled out of the traffic signal controller Transfer Cabinets. Project also included design and installation of 1,500 LF of duct bank for the installation of fiber optic network cable for Illinois Tollway Communications, Surveillance and Lighting Control.

88th Avenue Street Lighting Design, Palos Hills: Project Manager/ Resident Engineer for 1 mile of roadway lighting design using ornamental type street lighting. Project was redesigned using standard cobra head type luminaries and spun aluminum poles.

SITE LIGHTING DESIGN

DuPage County Courtyard, Wheaton: Project Manager for installation of 11 ornamental roadway light poles, 35 ornamental walkway light poles, 8 ornamental parking lot light poles and a remote receptacle for events. Existing electrical panels were upgraded to accommodate new lighting. Designed a site irrigation system including a submersible pump drawing water from an adjacent pond via a concrete structure.

National Street Metra Station, Elgin: Project Manager for installation of 50 parking lot light standards in which 13 were located on the train platform deck. Also, included one lighting controller and 12 ornamental poles along the Fox River.

Prairie Crossing Site Lighting, Metra: Project Manager for installation of 80 ornamental parking lot lighting standards in which 15 were located on a train platform deck. Tasks included photometric design and preparation of plans.

ROADWAY LIGHTING STUDY

Elgin Street Lighting Inventory and Effectiveness Study: Survey of approx. 6,000 street lighting units with hand held GPS unit. Presented results to City in PowerPoint presentation including recommendations for additional lighting in residential areas.

Street Lighting Study, Lombard: Project Manager for locating, identifying, assessing, and organizing data for all street lighting within the Village. There were 2170 light poles controlled by 91 lighting controllers, and 81 light poles were directly connected to ComEd with 357 light poles owned by ComEd. The lighting ordinance was revised, street lighting atlases were revised, and a 10-year street lighting capital improvement plan was designed.

RECREATIONAL FACILITIES

Lincoln Park Zoo South Pond Renovation, Chicago: Project consisted of draining/dredging the existing pond and removing/ replacing/upgrading all adjacent amenities, improvements including 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 aeration and an automated pond water refill system watermain.

Concessions/Washroom Building, St. Charles Park District: Designed a 2,100 SF restroom and concession building . Amenities included 3" water service from existing water well for domestic supply and fire protection, 480 volt electrical service, grinder sewage lift station and 1,200' of 2" force main, restrooms, concessions storage and picnic area.

Prairie Lakes Park Expansion, Des Plaines: Project Manager for lighting design for skate park and lighting/electrical for 6 batting cages. Also included were electrical provisions for a well and irrigation pump, a shelter building, vending machines and a tent for events.

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.

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. Project was let by IDOT.

Hobbie Avenue Reconstruction - Phase I/II, Kankakee: Project Engineer. Project included approximately 4,500' of roadway lighting improvements. Project consisted of the installation of 55 new decorative type roadway light poles and one new lighting controller. New light poles were 30' tall with 130W decorative teardrop type LED luminaires on a 6-foot decorative arm with a two-piece clamp on clam shell base. Project was let by IDOT.

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'. Project was let by IDOT.

SITE LIGHTING DESIGN

Aurora Transportation Center East Parking Lot, Aurora: Project Engineer. Project included approximately 1,600' of parking lot widening and parking lot lighting improvements. Project consisted of removal of existing lighting and installation of 18 new area type light poles. New parking lot light poles were 30' tall with 104W area type LED luminaires. Project also included electrical and HVAC design for 2 warming shelters along each side of the Metra platform. Additional lighting scope included monument lighting with (3) 20W flood type LED luminaires and retrofitting 12 existing recessed HID luminaires in a pedestrian tunnel to LED.

Hodges Park Lighting Improvements, Park Ridge: Project Manager. Project included site lighting and site power improvements. Project consisted of removal of existing lighting and installation of 9 new decorative type light poles and one new lighting controller. New light poles were 10' tall with 37W decorative post top type LED luminaires and GFCI receptacles. Project also included USB charging stations, ground mounted receptacles, and flag up lighting. The controller and various receptacles were designed to provide vendor power for various community gatherings that happen in the park throughout the year. Duties included photometric calculations, electrical design, creation of contract drawings and specifications, summary of quantities, engineer's cost estimate, new electric service coordination, shop drawing review and construction observation.

CP1 Parking Lot Improvements, Abbott Park, Lake County: Project Engineer. Project included site lighting improvements. Project consisted of removal of existing lighting and reinstalling 55 existing light poles with 90 new 225W area type LED luminaires. Project also included monument lighting. Temporary conditions were needed to stage the parking lot to allow staff to actively park throughout project construction. Duties included photometric calculations, electrical design, creation of contract drawings and specifications, summary of quantities, and engineer's cost estimate.

ROADWAY LIGHTING STUDY/LED CONVERSION

McHenry County Flashing Yellow Arrows Improvements, McHenry County: Project Engineer. Project included redesigning lighting for five County owned intersections and designing proposed lighting for three formerly unlit intersections with LED luminaires. Project also included temporary LED lighting and reconnecting the existing adjacent roadway lighting systems. Project was let by IDOT.

Chicago Ridge LED Conversion, Chicago Ridge: Project Manager. Project included approximately 18,000' of roadway and street lighting conversion. Project consisted of removal of existing HID roadway luminaires and installation of 96 new roadway cobrahead type LED luminaires. Project also included removal of existing HID underpass luminaires and installation of 12 new underpass type LED luminaires. Project was permitted through IDOT and Cook County.

Blue Island Local Streets LED Conversion, Blue Island: Project Manager. Project included the removal of existing HID roadway luminaires and installation of 565 new roadway cobrahead type LED luminaires throughout the city. Project was a part of ComEd's Disadvantaged Communities LED streetlighting program.

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.

GENERATOR DESIGN

Civic Center Emergency Generator Improvements, Lombard: Project Engineer. Project included removal of an existing interior generator and installation of a new exterior 450kw diesel backup generator along with a generator tap box for a portable generator and modifications to the existing main switchboard cabinet. Also included smaller 30kw standby generators at two sanitary sewage (Garfield and Westmore) lift stations in the Village. Duties included evaluating alternative designs, electrical design, generator sizing, plan and control document preparation, bidding assistance, shop drawing review and construction observation.

Village Hall and Police Department Generator Improvements, Lombard: Project Engineer. Project included removal of an existing exterior generator and installation of a new exterior 450kw diesel backup generator along with a generator tap box for a portable generator and modifications to the existing main switchboard cabinet. Duties included evaluating alternative designs, electrical design, generator sizing, plan and control document preparation, bidding assistance, shop drawing review and construction observation.

Emergency Generator, Prospect Heights Public Library District: Project Manager duties included evaluating alternative designs, electrical design, generator sizing, plan and control document preparation, gas and electric utility coordination, bidding assistance, shop drawing review and construction observation. Project included a new 250kw natural gas emergency backup generator, 1,200A automatic transfer switch, CT metering cabinet and modifications to the existing main switchboard cabinet.

PUMP STATIONS

Lake Street Pump Station Rehabilitation, Wilmette: Project Engineer. Project included rehabilitation to an existing pump station. Existing utility transformers, main switchgear, motor starters, automatic transfer switches, pump gallery lighting, service cables and internal equipment wiring were all removed. Proposed improvements included two new pad mounted utility transformers/services, new 2500 amp switchgear with electrically interlocked main breakers for each service, reduced voltage motor starters for (2) 600hp pumps, VFD for a 250hp pump, new breakers for a 100hp and 250 hp pump, and new pump gallery lighting. A proposed platform extension was designed in conjunction with CBBEL's structural department to accommodate the new switchgear. Given that the Lake Street Station is a critical infrastructure a detailed construction staging schedule was designed to ensure that the station remain operational throughout construction.

4 MG Standpipe Replacement Pumps & VFD Upgrades, Woodridge: Project Engineer. Project included rehabilitation to an existing pump station serving a 4 MG standpipe. The rehabilitation featured removing (3) existing MCC pump starters and (2) pumps, as well as the installation of (2) new MCC variable frequency drives (VFDs) and (2) pumps. Proposed pumps were 75 horsepower each.

Stearns Road Pump Station Rehabilitation, Bartlett: Project Engineer. Project included rehabilitation to an existing pump station. The rehabilitation featured removing existing MCC cabinets, CT metering compartment and main disconnect, (3) pump starters, (3) pumps, and a diesel generator. Proposed improvements included changing the 3-phase 3-wire service to 3-phase 4-wire, new CT metering cabinet and main disconnect, new main distribution panel, new starters for a 40hp and 300hp well pumps, and new variable frequency drives and disconnect switches for a 75hp and 125hp water pumps. The entire water heating system throughout the pump station was also removed and replaced with a combination of electric and gas unit heaters.

LIFT STATION DESIGN

Mendingwall Lift Station Rehabilitation, Woodridge: Project Engineer. Project included rehabilitation to an existing lift station. The improvements included installing two new 15 horsepower submersible pumps in the existing wet well with new valve and meter vaults and piping to connect to the station's existing forcemain. New pump controls were housed in a new stainless steel control cabinet. A new 100 KW natural gas generator in a weather enclosure was included to replace the existing generator. By-pass pumping operations were used while the existing wet well is under rehabilitation.

West Side Sanitary Lift Station, Cedar Lake, IN: Project included design of a new regional lift station with twin valve vaults, air/vacuum vaults, 12' x 12' wet well with 6 - 40 Hp submersible pumps, control panel and 250 kw standby diesel generator. Duties included electrical design, generator sizing, utility coordination and plan preparation.

Gerald Hennelly

Senior Project Manager

YEARS EXPERIENCE: 39
YEARS WITH CBBEL: 28

EDUCATION
Associate of Science, 1987
Electronic/Computer Technology Control Data Institute

CERTIFICATIONS
ICORS Training Seminar, IDOT

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

ComEd New Business Services, 2009

Steel Tank Institute (STI)/ SPFA Steel Water Tank Design and Construction Seminar, 2009

Writing at Work, Advanced Technical Writing, 2008

Highway Lighting Seminar, ACEC Illinois & IDOT, 2006, 2014

National Electrical Code Review, 2005

PROFESSIONAL AFFILIATIONS
International Code Council

Irish Engineers & Contractors

Senior Project Manager experienced in a wide range of engineering disciplines including electrical, mechanical and civil engineering design. Experience also includes construction observation and resident engineering assignments and final review of completed projects. Further responsibilities include design and coordination of various types of mechanical and electrical projects, including potable water storage facilities, stormwater pumping stations, wastewater lift stations, street lighting installations recreation and sports lighting installations, recreational park designs, dry utility relocation projects and general public works and building improvement projects. Duties include the preparation of design plans, calculations and specifications, and field observation and contractor shop drawing review of construction projects. Performs electrical and mechanical site plan review for several municipalities as well as preparation of CAD design drawings for Mechanical and Electrical Engineering design projects.

MECHANICAL AND ELECTRICAL

Water Storage Tanks, Willowbrook: Preparation of bidding documents, assisted Village with bid analysis and provided construction observation on rehabilitation of two 500,000 gallon spheroid water storage tanks and one 3,000,000 gallon standpipe.

500,000 Gallon Elevated Water Storage Tank Painting, Rosemont: Assisted in preparation of contract documents, administration of the bid process and reviewed received bids. Performed resident engineering services during construction. This tank was awarded the 2006 Tank of the Year by the Tnemec Paint Company.

Dry Utility Relocation Project and Downtown Lighting, Huntley: Worked with ComEd, AT&T, and Comcast on preparation of plans to underground all existing overhead utility lines and to install underground in conduit. After completion of underground projects, designed and provided construction coordination for installation of new lighting system for downtown area.

Old Town Area Redevelopment Underground Utility Relocation, Bloomingdale: Design and coordinated plan preparation of construction plans and construction observation for relocation of all private and public dry utilities for redevelopment of 125 year old area of the Village.

Electrical and Ventilation Upgrades, Forest Park Fire Station: Completed a study of existing fire station to provide a complete survey of total power consumption of the building and recommendations of ventilation needs.

Library Chiller Removal and Replacement, Rolling Meadows Library District: Project consisted of the design of a new chilled water cooling system for the Library's well as in the incorporation of design calculations for future Library expansion.

LIGHTING

Street Lighting Master Plan, Evanston: Electrical Engineer. Project included using GIS data to determine existing conditions of light fixtures and power centers within City limits. From GIS data, study areas were determined within each of the cities wards encompassing intersections, residential neighborhoods, uncontrolled street crossings and school zones where a field survey and light meter readings were done to determine existing lighting conditions. Existing lighting conditions were presented at a public meeting and to a steering committee including various city staff, aldermen, commissions, residents and task forces to aid in developing various pilot programs to improve existing conditions including retrofits and new luminaires. Public feedback from the various pilot programs were taken into consideration in conjunction with Illuminating Engineering Society of North America (IESNA) standards to propose City standards on improvement of existing lighting conditions and new construction standards.

I-90 Roadway Reconstruction - Higgins Rd. to Roselle Rd., ISTHA: Coordination of electrical and mechanical construction. Duties included shop drawing review, construction observation, design of construction revisions, ComEd coordination and final inspection.

IL Rte. 83 @ 63rd St. Lighting Improvements, IDOT/Village of Willowbrook: Project included design of intersection roadway lighting for two intersections, photometric design, electrical design, utility coordination and assistance during construction.

Sheridan Rd. Lighting Improvements, Evanston: Design of new roadway lighting configuration for new bike lanes and pedestrian walkways for the Northwestern University campus.

Fountain Square Downtown Lighting Redevelopment, Evanston: Project included photometric design of the roadway lighting for 3 major roadways in the downtown area. Design also included reconfiguration of lighting circuits, voltage drop calculations and electrical design, along with construction observation.

Street Lighting Inventory and GIS Data Retrieval and Lighting Upgrades, Willowbrook: Project consisted of inventorying all of the Village's lighting system and entering the data into a GIS database and based on the information in the database, create a Capital Improvement Plan to replace all existing HID lighting with new LED type lighting units.

Highlands of Algonquin Roadway Lighting Design: Design of LED type ornamental lighting system for mixed use residential subdivision and golf course community. Design included two independently controlled lighting systems for two different areas within the subdivision.

Riverside Square Ornamental Lighting System and Streetscape Electrical Design, Algonquin: Design included extending the Village's existing lighting system to illuminate roadways within the new mixed use condominium development at the intersection of IL Route 31 and Algonquin Rd. Design also included electrical elements to allow for future expansion of the new portion of lighting system.

Madison Street Streetscape Phase I Lighting Study, Forest Park: Performed a Photometric Study ad Lighting Analysis to identify the number of poles to be utilized and to identify potential conflicts with proposed roadway geometry and utilities for design of the lighting system.

I-294 at IL Route 137, Lake County: Design of 5,500 LF of new continuous freeway lighting system in each direction for widening of I-294 north and south of IL Route 137 and intersection lighting design for 4 signalized exit and entrance ramps. Project utilized approx. 75 lighting units with 400W HPS roadway luminaires mounted on 50'-0" mounting height aluminum poles on 15' truss mast arms along with 150W HPS Wall Pak Type Lighting Units for Underpass Lighting. The Main Line lighting is controlled by a centrally located Radio Controlled Lighting controller and Intersection transition Lighting is controlled out of the traffic signal controller Transfer Cabinets. Project also included design and installation of 1,500 LF of duct bank for the installation of fiber optic network cable for Illinois Tollway Communications, Surveillance and Lighting Control.

Main Street Lighting Phase 1, Lombard: Resident Construction Engineer for the Village's largest lighting project which included installation of 110 ornamental lighting units and approx. 4 miles of conduit and wire.

North Avenue Frontage Road Ornamental Lighting, Lombard: Project consisted of coordination of lighting design with concurrent IDOT (IL 64) North Ave Reconstruction Project from IL 53 to Addison Rd Proposed Roadway Lighting System.

Uptown Redevelopment Roadway Lighting, Park Ridge: Design consisted of a complete reworking of the City's Uptown District from open areas to mixed use residential and commercial development which including converting existing roadways into pedestrian friendly environment. Lighting design included ornamental roadway type poles and luminaires mixed with pedestrian scale luminaires and poles and combination traffic signal and lighting poles for 3 IDOT roadways and 4 City maintained roadways serviced by 4 lighting controllers.

Comprehensive Street Lighting Study, Lombard: Identified, assessed, and reorganized the Village's existing database of all street lighting and street lighting systems. Additional services provided were identification of and assignment of a Village-wide pole and controller universal numbering system. Provided electrical evaluation of each lighting system; recommendations for future expansion, existing lighting systems and development of 10-year Capital Plan for street lighting improvements projects.

Balmoral Road Extension Street Lighting Phases I, II & III, Rosemont: Design of multiple lighting systems incorporating the use of over 140 lighting units. Projects close proximity to O'Hare Airport restricted overall mounting height to 17'-0". Project consisted of temporary lighting on Mannheim Rd for construction operations, bridge lighting mounted to parapet walls underpass lighting and upgrades to existing Village, City of Chicago, and IDOT lighting systems.

75th Street Extension Street Lighting, Willowbrook: Designed to incorporate 2 separate construction phases. Coordination of 2 phases was accomplished by providing one centrally located lighting controller with capacity of including the Phase II lighting at a later time.

Bridge Lighting Design and Construction for Historic Route 66 (IL 53) of Kankakee River, Wilmington: Design and construction of ornamental lighting system for existing bridge. Bridge lighting will follow existing downtown streetscape design.

PARKS AND RECREATION

Posphalla Park, Northlake: Design, shop drawing review and construction observation of a municipally maintained recreational facility complete with sprinkle fountain, exercise equipment, state park, and life size human checkerboard.

Memorial Park Fountain, Northlake: Assisted in design of ornamental fountain with a lighted 15' water feature and flood lighting for landscaping items.

Millennium Park, Northlake: Design and shop drawing review of full spectrum municipal recreational facility including park playground equipment, site lighting, site building, fountain feature and irrigation system.

Town Center, Carol Stream: Assisted in design of Award Winning Fountain Park and Concession Building. Site improvements included fountain electrical and mechanical design, site lighting, walkway lighting, two aerators, a pavilion, and a concession/washroom facility.

The Legends Golf Course, Bensenville: Design included architectural site lighting and sports lighting for golf course and driving range along with all related power and control.

ROOFS, BUILDINGS & TRANSPORTATION

Proessel Park Picnic Shelter Roof Replacement, Lincolnwood: The project included complete removal of asphalt shingled roofing materials, decking removal and replacement, joist replacement, installation of new vapor barrier, architectural asphalt shingles, new skylights for energy efficiency, new downspouts and gutter repairs.

Public Works Building Roof Replacement, Lincolnwood: The project included the removal of the existing black rubber roofing system and polyiso roof insulation. Two layers of roofing insulation were installed to increase the insulation factor on the roof and to increase heat loss during winter months. The parapet caps, scuppers and gutters were all removed and replaced.

Public Works Roof Replacement, Flossmoor: The project consisted of the removal of the existing tar and gravel ballast roofing materials and replacement with new white TPO membrane and increased roof insulation.

Village Hall, Fire Station, and Police Station HVAC Improvements, Flossmoor: Project consisted of the design of 5 new HVAC systems for Village Hall Complex. Project included the increased air circulation requirements throughout the facility including design of a new HVAC system for the recently upgraded Police Department Gun Range.

Village Hall and Police Station Roof Replacement, Forest Park: The project consisted of the removal of the existing modified bitumen roof materials, the addition of roof insulation and new gutters, downspouts and standing metal seam fascia panels. All existing HVAC equipment needed to be raised to facilitate the additional roof insulation.

Majid Mobasseri, PhD, PE, SE

Head, Structural Engineering Department

YEARS EXPERIENCE: 40
YEARS WITH CBBEL: 18

EDUCATION

Doctor of Philosophy, 1986
Structural Engineering
University of Texas at Austin

Master of Science, 1981
Structural Engineering
Washington State University

Bachelor of Science, 1978
Structural Engineering
Arya-Mehr Univ., Tehran, Iran

PROFESSIONAL REGISTRATION

Structural Engineer, IL, 081.005058, 1993

Structural Engineer, MA, 35841, 1990

Professional Engineer, IL, 062.047793, 1992

Professional Engineer, IN, PE10101277, 2001

CERTIFICATIONS

IDOT Approved Bridge Program Manager, ID: 00302; National Bridge Inspection Standards (NBIS) Qualified

PROFESSIONAL AFFILIATIONS

American Concrete Institute

American Railway Engineering and Maintenance-of-Way Association (AREMA)

American Society of Civil Engineers

Earthquake Engineers Research Institute

Majid is the Head of Structural Engineering responsible for the study, design, and generation of construction contract documents for structural systems employed in buildings, industrial facilities and bridges serving highway traffic. Experience includes planning and concept design, bridge type/size/location studies, structural inspections, structural ratings, rehabilitation and renovation studies, final designs and the production of plans, specifications and estimates, and construction inspection. IDOT Approved Bridge Program Manager for 13 municipalities.

I-294 over Irving Park Road Widening, Tollway: Structural Project Manager responsible for the preparation of Phase II design plans, specifications, and cost estimates. This was part of the Tollway Central Tri-State widening project. The structure will be widened approximately 18'-3" to the east giving an overall structure width of 104'-8". The proposed widening consists of an 8" reinforced concrete deck on IL36N precast prestressed concrete beams. The abutments will be widened in kind. The remainder of the existing bridge deck was reconstructed by others in 2018. The bridge is on a straight horizontal alignment and is in seismic performance zone 1. CBBEL worked closely with the Tollway, Schiller Park, other consultants on the team, and IDOT during design. The estimated construction cost is $1.15 million.

I-294 Widening, Various Retaining Walls and Noise Walls, Tollway: Structural Project Manager responsible for the preparation of Phase II design plans, specifications, and cost estimates for new retaining walls and noise walls along I-294. This was part of the Tollway Central Tri-State widening project. Due to adding lanes along I-294, several retaining walls and noise walls were required to support the roadway embankment and reduce traffic noise. The proposed TS38.25R- NB® retaining wall is an 85'-0" long soldier pile retaining wall with cast in place concrete facing. The wall supports a 16'-0" wide moments slab and a crash worthy parapet wall supporting a structure mounted noise abatement wall. The proposed TS38.35R SB(R) – is a combination of a 377'-7" moment slab to be placed on the existing wall. Continuing at the end of the existing wall is a 675'-4" proposed soldier pile retaining wall with cast in place concrete facing. The wall supports a 12'-0" wide moments slab and crash worthy parapet. The soldier piles will be placed inside 36" diameter drilled shaft caissons. The estimated construction cost is $2.52 million.

Main Street Bridge Over Crystal Lake Overflow, Algonquin: Structural Project Manager responsible for the preparation of Phase II design plans, specifications, and cost estimate for replacing the existing bridge with new bridge and retaining walls. The proposed structure is comprised of two straight 30' span 17" prestressed concrete deck beams with a 5" concrete wearing surface. The substructure is cast in place concrete abutments supported on 30" diameter drilled shafts. The center support is a multi-column pier with web wall supported by 48" drilled shaft foundations. The bridge is 61' long from back of abutment to back of abutment and 60' wide out to out. There are two 12' lanes for traffic and two sidewalks, one 22'-8" wide and one 13'-4" wide. There are three 24' long wingwalls at the NW, SW, and SE corners. Additional superstructure items include decorative railings with architectural pilasters, pergola above the sidewalk sections, and a decorative illuminated archway. Estimated Construction Cost is $2.48 million.

Upper Wacker Drive, CDOT: Structural Project Manager responsible for the preparation of Phase II design plans, specifications, and cost estimate for extending upper Wacker Drive two spans toward east to provide access to the new Wanda Vista Hotel. The bridge was extended approximately 111' to the east (one 50' span and one 61' span) to provide access to the new Wanda Vista Hotel. The new deck will be landscaped with large trees, and traffic lanes will be provided to access the hotel. The extension required the replacement of two easternmost existing upper spans of reinforced concrete deck (approximately 175' of deck), repairs to the existing steel bents, the addition of two new bents and the installation of micro piles to strengthen the existing foundations. The new superstructure extension consisted of 36x135 wide flange steel beams. Modifications to two steel bents included the installation of new plate girder columns and beams. The structure is approximately 129' wide. The bridge is straight; however, the southernmost beam flares slightly. The estimated construction cost was $4.6 million.

Balmoral Avenue Underpass, IDOT: Structural Project Manager responsible for the preparation of design plans for construction of a new underpass on new alignment. Structural improvements included the construction of two new steel plate girder bridges (117' - single span) to carry Mannheim Rd over the underpass, approximately 300' of cantilevered soldier pile retaining walls, approx. 300' of tied back soldier pile retaining walls and approx. 375' of cantilevered concrete retaining walls. The construction cost for this project was $13.5 million.

Balmoral Avenue over I-294, Rosemont: Structural Project Manager. Project consisted of Phase II engineering and development of contract documents for construction of a NB exit ramp from I-294 to Balmoral Ave, reconstruction of the SB entrance ramp and widening of the Balmoral Bridge over I-294. The proposed deck is 94'-7" providing five 12'-0" traffic lanes, a 16'-0" median and a 6'-7" sidewalk. This project is part of a larger series of improvements to Balmoral Ave to improve regional access to the Rosemont Convention Center area and O'Hare International Airport.

King Arthur Court Bridge over Addison Creek, Northlake: Structural Project Manager responsible for Phase II and Engineering with Phase III assistance for the complete superstructure replacement of the King Arthur Court Bridge. The new structure consisted of two 37' span 17" prestressed concrete deck beams with a 5" concrete wearing surface. Also included was additional roadway and sidewalk improvements along with channel excavation and rip rap installation in the channel beneath the structure.

LeMoyne Street over Addison Creek, Northlake: Structural Project Manager responsible for Phase II Engineering and Phase III assistance for the complete superstructure replacement of the LeMoyne Street Bridge. The existing superstructure was in critical condition and required a 5 ton load posting and the closure of the north half of the structure. The new superstructure consists of a single 56' span 27" prestressed precast concrete deck beams with and HMA wearing surface and waterproofing membrane. Responsibilities included the preparation of design plans, specifications and estimates, completion of a load rating analysis, shop drawing review, responding to requests for information and initial inspection of the new superstructure.

Barker Avenue Bridge over Salt Creek Superstructure Replacement, Rolling Meadows: Structural Project Engineer. Project included complete superstructure demolition, precast prestressed box beam replacement, concrete wearing surface with sidewalks, form liner stone relief parapets and wingwalls, hand railings, guardrail installation, and landscape restoration. Duties included shop drawing review, coordination with local agency for full road closures, observation and coordination of contractor operations and scheduling QA testing, materials inspection documentation, documentation of quantities using ICORS, preparation of change orders, authorizations, and pay estimates using ICORS.

Mainline Roadway Widening & Reconstruction of Northbound Tri-State Tollway: Project Manager responsible for overseeing the design, developing construction plans, coordination with Lorig Construction, and QA/QC. CBBEL was responsible for developing design plans and specifications of retaining walls. Tollway was adding a lane of traffic and a shoulder to northbound of I-294 from north of Touhy Ave up to Dempster St and there was not enough ROW to support the roadway embankment widening. Therefore the only option to support the new roadway lane and shoulder was retaining walls. The scope included developing design plans and details for 5 different retaining walls with moment slab and parapet or coping along the project limits.

Timber Edge Drive Bridge over Salt Creek, Oakbrook Terrace: Structural Engineer responsible for overseeing the structural design. The proposed bridge is a 156' long, three span continuous composite wide flange stringer superstructure supported on solid web piers and integral abutments. The overall deck width is 35'-2", which provides two 12' lanes, two 4' shoulders and two F-shaped concrete parapets. Responsibilities include design of the bridge superstructure and substructure, preparation of cost estimates, special provisions and structural steel shop drawing review.

33rd Street Viaduct over I-90/94, Chicago: Structural Project Manager. Completed shop drawing review for the removal and replacement of the existing seven-span bridge with five continuous steel spans and two simply supported concrete T beams and replacement with galvanized composite steel beams, substructure repairs, full replacement of two piers caps and partial replacement of four others, building new approach slabs, milling and resurfacing of the approach roadway, traffic signal modernization, and deck and underpass lighting.

Pedestrian Bridges: Project Manager responsible for overseeing the design, developing construction plans, QA/QC, and coordination with civil engineer. CBBEL has designed several pedestrian bridges for different municipalities, park districts, golf courses, and counties. The span length of the bridges range from 40' to 120' and their width varies from 10' to 16'. The pedestrian bridges are typically designed for 85 psf live load plus a maintenance vehicle of 12,000 lb, but some agencies require bridges to be designed for a heavier vehicle of 20,000 lb.

Main Street Triangle, Orland Park: Project Manager responsible for overseeing the design, developing construction plans, coordination with LR Development Co, and QA/QC. CBBEL prepared all the design plans, specifications, and estimates. The site required a large detention pond at the northern part of development bound between the Southwest RR and LaGrange Rd. After considering different retaining wall options, a typical cantilever retaining wall supported by two rows of battered piles was the most feasible option for the west and south walls. The east wall along the LaGrange Rd was solider pile wall with cast in place concrete facing. The project architect required special formliner patterns on each walls and on both faces of the east wall. Special precast water fountains were attached to the top of west wall.

Stone Bridge Retaining Walls, Lake Bluff: Project Manager responsible for overseeing the design, developing construction plans, coordination with project architect, and QA/QC. New England Builder was developing a site for new housing community. There were several ponds along the proposed roadways retaining walls required to support roadway embankments. Each retaining wall was approx. 55-65' and the height of walls varied from approx. 8' to 18'. There are 3'-1" parapets mounted at the top of the walls and an over look area cantilevered out in the middle of walls. The face of the walls had natural stone veneer supported by the walls and special formliner to give impression of a tunnel. The walls had to be water tight to reduce any possible water loss of the pond. Geotechnical investigation revealed that the underlying soil was very poor material. Shear keys were designed to provide minimum required sliding safety factors. CBBEL provided design plans, specification for the project.

Vale at Flagg Creek Bridge, Willow Springs: Project Manager responsible for overseeing the design, developing construction plans, coordination with Vale Homes LLC, and QA/QC. CBBEL provided design plans, specifications, and cost estimate for widening the existing bridge. The substructure was widened and supported by new H piles. The new deck provided two lanes of traffic with custom made railing and architectural masonry light pole pedestals were built at each corner of the pier and abutments.

Huffman Street, Naperville: Structural Project Manager. Responsibilities included designing several large cast-in-place control structures and concrete end sections to connect approx. 1400 LF of dual precast box culverts. Plans, specifications, cost estimates and shop drawing review were included.

Naperville Riverwalk Renovation: Structural Project Manager. Project involved the design of several hundred feet of tiered retaining walls along the West Branch of the DuPage River in downtown Naperville. The existing walls were removed and replaced with cast in place concrete walls with an architectural facade to resemble natural stone. The improvements included the design of stairs, an ADA compliant ramp, and a circular overlook area at the end of the newly designed park area.

Jeffrey Barnett, PE, SE

Senior Project Manager, Structural

YEARS EXPERIENCE: 19
YEARS WITH CBBEL: 18

EDUCATION

Master of Science, 2006
Civil Engineering
University of Illinois
at Chicago

Bachelor of Science, 2005
Civil Engineering
University of Illinois
at Chicago

PROFESSIONAL REGISTRATION

Structural Engineer, IL,
081.008359, 2019

Professional Engineer, IL,
062.062111, 2009

Professional Engineer, IN,
PE12000058, 2020

CERTIFICATIONS

IDOT Approved Team Leader,
Bridge Inspection, ID: 00845;
National Bridge Inspection
Standards (NBIS) Qualified

IDOT Approved Program
Manager, Bridge Inspection;
National Bridge Inspection
Standards (NBIS) Qualified

Safety Inspection of
In-Service Bridges, National
Highway Institute, FHWA-
NHI-130055

Fracture Critical Inspection
Techniques for Steel Bridges,
National Highway Institute,
FHWA-NHI-130078

PROFESSIONAL DEVELOPMENT

ACEC Bridge Seminars

Ethics in City Government,
Ethics Training for

CDA/OMP Contractors,
Vendors & Employees

PROFESSIONAL AFFILIATIONS

American Society of
Civil Engineers

Toastmasters International

Jeff is a Senior Project Manager in the Structural Engineering Department responsible for preparing plans, specifications and cost estimates for various structural projects. Jeff has experience working on both Phase I and Phase II design projects and has worked on projects for state agencies such as IDOT and the Illinois Tollway. He also has experience working with local municipalities and private clients. Jeff's design experience includes bridge reconstruction, rehabilitation and repairs, retaining wall and flood wall design, culvert design, dam design and the design of various other structures. His other responsibilities include the inspection of bridges, dams, culverts and various other structures. Jeff is an IDOT approved bridge inspector and is an NBIS Team Leader and Program Manager.

Des Plaines River Trail, Rosemont: Structural Project Engineer. The project consists of Phase I Engineering and Environmental Studies and Phase II Engineering for the reconstruction of the Trail from Touhy Avenue to North Avenue, a distance of approximately 7.5 miles, to address safety and geometric deficiencies, and address flooding issues. The project will also include improvements at major roadway crossings and new trail connections. At Lawrence Avenue, a 5 span structure pedestrian bridge will be constructed. The center span consists of a 140' long, 14' wide, prefabricated truss. The north approach features two, 105' long curved spans consisting of 45" deep steel plate girders, and the south approach features two, 105' straight spans consisting of 42" deep steel plate girders. Duties include development of the structural plans, specifications and cost estimate for the proposed structure. Phase II design was completed in April of 2022. Construction was completed in 2023.

Brookwood Drive over Butterfield Creek, Flossmoor: Structural Project Engineer responsible for Phase II Engineering and Phase III assistance for the complete structure replacement of the Brookwood Drive Bridge. The existing bridge was in critical condition due to deterioration of the existing prestressed precast concrete deck beams, requiring a 5 ton load posting. The new structure consists of a single 50' span. The lengthened span allows for a better conveyance of Butterfield Creek. The new superstructure consists of 21" PPC deck beams, and the new substructure consists of pile supported reinforced concrete abutments. Responsibilities included the preparation of design plans, specifications and estimates, completion of a load rating analysis, shop drawing review and responding to requests for information. Construction will be completed in 2024.

Glencoe Beach Lower Access Ramp Retaining Wall, Glencoe: Structural Project Engineer responsible for the design of a soldier pile retaining wall on the west side of the lower access ramp to Glencoe Beach. The clients for the project were the Glencoe Park District and the Village of Glencoe. The new retaining wall replaced an existing concrete crib wall that was in poor condition. The wall was over 250 ft long and had a maximum retained height of 10 ft. A soldier pile wall was selected to minimize the area disturbed during construction, and custom/irregular pile spacing was utilized to work around several existing utilities, including 16" transmission watermains. The new wall featured a stone form liner to mimic the existing architectural style of structures located throughout the Village. The project schedule was aggressive in order to meet the schedule requirements of a DCEO grant received for the project and to provide access to beachgoers at the start of beach season. Construction of the wall was completed in 2023.

88th/Cork Avenue Interchange at I-294, Justice: Structural Project Engineer responsible for the Phase I and Phase II structural design of a new partial diamond interchange at the 88th/Cork Avenue crossing of I-294. The overall purpose of the project is to enhance regional mobility and provide economic benefits to the Village of Justice by improving interstate access, generating new travel-related business, and making the Village very attractive to commercial developers. Structural improvements include the deck replacement and widening of the two-span 88th Avenue Bridge over I-294. This includes the additional of two 48" steel plate girders to each side of the bridge. The bridge abutments will also be converted to semi-integral abutments. Additionally, the project requires the design of 6 retaining walls, which includes two segmental block retaining walls, a vertically cantilevered concrete retaining wall and three driven soldier pile walls. Extensive coordination with the Village of Justice, IDOT, Cook County and the Illinois Tollway was required for this project as the involved roadways are State, Tollway and County jurisdiction. Construction of the interchange is expected to be complete in 2025, and the estimated constructed cost is $27 million.

Addison Creek Reservoir Final Engineering, Bellwood, MWRD: Project Engineer responsible for preparation of engineering plans, specifications and cost estimate for a 600 acre-foot off-line flood control reservoir along Addison Creek. Project components include a diversion structure, an intake structure, excavated reservoir (including rock excavation) and dewatering pump station. The project includes channel improvements and site access roads and bridges. The reservoir is designed to temporarily store the Addison Creek floodwaters during significant flood events. The project will remove over 1,700 parcels from the floodplain and will benefit residents in Broadview, Bellwood, Melrose Park, Northlake, Stone Park and Westchester. Construction was substantially completed in 2023.

Palatine Trail Pedestrian Bridge Replacements and Realignment, Palatine, IL: Project Manager responsible for preparing plans, specifications and estimates for the replacement of two pedestrian bridges over Salt Creek and the resurfacing/reconstruction of a quarter mile of Palatine Trail. The new bridges are located approximately 150' west and 1100' west of N. Hicks Road. The existing bridges were deteriorating and had an undesirable non-standard alignment that caused users to significantly slow down. The new bridges substantially improved the path geometry and provide a safer and smoother ride for users. The bridges consist of prefabricated Link Style trusses with a concrete deck. The bridges are 8' wide and have span lengths of 43' and 50', respectively. Approximately a quarter mile of path between the two bridges was resurfaced/reconstructed. Construction was completed in the fall of 2020.

Widening and Rehabilitation of I-294 from O'Hare Oasis to Balmoral Avenue, Illinois Tollway: Project Engineer responsible for preparation of engineering plans, specifications and cost estimate for the widening and rehabilitation of I-294. The widening of I-294 required the replacement of several noise walls and retaining walls, the extension of a major cross-road culvert, the replacement of an 800' long triple box culvert and the widening/rehabilitation of four bridges. CBBEL prepared plans for the widening of the I-294NB bridge over Irving Park Road, the rehabilitation of the SB I-294 exit ramp bridge over Irving Park Road, the rehabilitation of the Balmoral Avenue over I-294, the construction of a ground-mounted and structure mounted noise wall, the construction of two soldier pile walls, the extension of a cross road twin box culvert and the replacement of an 800' long triple box culvert. The goal of the project was to extend the service life of I-294 without having to completely reconstruct the road.

King Arthur Court over Addison Creek, Northlake: Structural Project Engineer responsible for Phase II Engineering and Phase III assistance for the complete superstructure replacement of the King Arthur Court Bridge. The new structure consists of two 37' span 17" prestressed precast concrete deck beams with a 5" reinforced concrete wearing surface. The existing beam seats were re-built to accommodate the new roadway profile. Aesthetic features include new barriers with a form liner textured surface. Since the bridge is the sole entry into the King Arthur subdivision, the bridge was completed in two stages allowing access at all times. Responsibilities included the preparation of design plans, specifications and estimates, completion of a load rating analysis, shop drawing review, responding to requests for information and initial inspection of the new superstructure. The project was completed in 2021.

LeMoyne Street over Addison Creek, Northlake: Structural Project Engineer responsible for Phase II Engineering and Phase III assistance for the complete superstructure replacement of the LeMoyne Street Bridge. The existing superstructure was in critical condition and required a 5 ton load posting and the closure of the north half of the structure. The new superstructure consists of a single 56' span 27" prestressed precast concrete deck beams with and HMA wearing surface and waterproofing membrane. Responsibilities included the preparation of design plans, specifications and estimates, completion of a load rating analysis, shop drawing review, responding to requests for information and initial inspection of the new superstructure. The project was completed in 2021.

Bridge Inspections, Various Municipalities: IDOT certified Team Leader responsible for the inspection of over 90 structures for 20 municipalities. CBBEL's inspection inventory includes several single and multi-span bridges with various superstructure types including reinforced concrete deck slabs, reinforced concrete T-beams, steel beams/girders, prestressed precast concrete deck beams and I-beams, and timber glulam beams. CBBEL's inventory also includes several multi-cell reinforced concrete box culverts, CMP and RCP pipe culverts, and three-sided concrete and metal structures and pedestrian bridges. Inspections are performed in accordance with the National Bridge Inspection Standards (NBIS) and the IDOT Structure Information and Procedure Manual by FHWA trained staff members. As part of our inspections, CBBEL completes IDOT formwork and submits it to the local bridge office. In addition, we provide our clients with photo documentation from each inspection to illustrate the condition of the structure, and we provide a summary of all inspection findings including any maintenance recommendations.

Dam Inspections, Various Municipalities: Structural Engineer responsible for the completion of dam inspections throughout northeastern Illinois in accordance with IDNR requirements. CBBEL's current inspection inventory includes seven Class I dams, one Class II dam and four Class III dams. As part of our inspections, CBBEL completes the required IDNR report forms, provides our client with photo documentation from each inspection to illustrate the condition of the structure and provides maintenance recommendations.

Douglas Gotham, LLA, 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.

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.

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.

G. Michael Ziegler, PE, PTOE

Vice President, Head, Traffic Operations Department

YEARS EXPERIENCE: 39
YEARS WITH CBBEL: 29

EDUCATION
Bachelor of Science, 1984
Civil Engineering
North Carolina State University

PROFESSIONAL REGISTRATION
Professional Engineer, IL
062.045853, 1990

Professional Engineer, IN
PE10910736, 2009

Professional Engineer, WI
40597-006, 2009

CERTIFICATIONS
Professional Traffic Operations Engineer

Traffic Signal Technician Level II, IMSA

Fiber Optics Technician, Level I

PROFESSIONAL DEVELOPMENT
2009 IDOT/ACEC Traffic Signal Design Guidelines (Developed and Presented)

2002 IDOT District 1 Traffic Signal Design Guidelines Seminar, CECI (Developed and Presented)

1999 IDOT District 1 Traffic Signal Design Guidelines Seminar, CECI (Developed and Presented)

PROFESSIONAL AFFILIATIONS
American Society of Civil Engineers

Institute of Transportation Engineers

International Municipal Signal Association

Mr. Ziegler is a Professional Engineer experienced in transportation engineering. His background includes transportation studies and the design of numerous infrastructure improvements for State agencies, Counties and several local Municipalities. In addition, his experience includes serving as an adviser to our municipal clients on various traffic and transportation committees. Through his municipal experience, he understands the dynamics associated with municipal transportation systems and the need to balance modal demands. This includes accommodating pedestrian and bicyclists as well as a robust public transportation system.

ILLINOIS DEPARTMENT OF TRANSPORTATION

Signal Coordination and Timing (SCAT):

- Central Office, PTB 184-037
- Central Office, PTB 172-029 Various/Various
- Central Office, PTB 162-035
- Central Office, PTB 158-038

Traffic Signal Design Services:

- District 1, PTB 164-010: Various/Various

Specialty Engineering Reports, District 1: Land Acquisition, Various/Various

HSIP Pedestrian and Bicyclists Assessment, McHenry and Kane Counties: PTB 149-004

Wood Street Reconstruction and Traffic Signal Modernization: PTB 173-001; 138th Street to 159th Street

CHICAGO DEPARTMENT OF TRANSPORTATION

Lawrence Avenue Road Diet

Michigan Avenue Road Diet

111th Street & Doty Avenue Traffic Signal Modernization

103rd Street & Woodlawn Traffic Signal Modernization

COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS

Traffic Signal and Electrical Engineering Design Services:

- 15-8TSDS-11-ES
- 12-8TSDS-12-ES
- 09-8TSDS-08-ES

LAKE COUNTY DIVISION OF TRANSPORTATION

Gilmer Road (Midlothian Road to IL Route 176): Phase I and II Adaptive Traffic Signal System, Traffic Signal Modernization and Ethernet System Improvements (PASSAGE)

Aptakisic Road (Brandywyn Lane to Park): Phase II Adaptive Traffic Signal System

Cedar Lake Road (Hart Road to Rollins Road): Phase I and II Traffic Signal System, Traffic Signal Modernization and Ethernet System Improvements (PASSAGE)

IL Route 83 (North Avenue to Millstone Drive): Phase I and II Traffic Signal System Fiber Optic Interconnect and Ethernet System Improvements (PASSAGE)

Peterson Road (Midlothian Road to IL Route 60): Phase I and II Roadway, Traffic Signal and Fiber Optic Interconnect and Ethernet System Improvements (PASSAGE)

US Route 12 (Rand Road) – IL 176 to Miller Road: Phase I and II Traffic Signal System and Ethernet System Improvements (PASSAGE)

IL Route 120 (Belvidere Road) – IL 134 to US 45: Phase I and II Traffic Signal System and Ethernet System Improvements (PASSAGE)

Wadsworth Road and Green Bay Road: Phase I and II, Intersection Design Studies, Temporary and Permanent Signal Improvements, Video Detection System and Ethernet System Improvements

DUPAGE COUNTY DIVISION OF TRANSPORTATION TRAFFIC ENGINEERING SERVICES

Trombone Mast Arm Replacement, Pedestrian Signal Upgrades and UPS Design Plans

Advance Flashers and Weather Monitoring Station Design Plans

75th Street and Naper Boulevard: Traffic Signal Modernization Design Plans

KANE COUNTY DIVISION OF TRANSPORTATION

Stearns Road (McLean Rd to IL Route 25) Contract 4: Traffic signal plans in accordance with the Intersection Design Study

Randall Road (Dean Street to Main Street): Traffic Signal Modifications, Fiber Optic Interconnect and Ethernet Improvements

Randall Road (Red Haw to Binnie Road): Traffic Signal Modifications, Fiber Optic Interconnect and Ethernet Improvements

Randall Road Highway Safety Improvements: Traffic Signal Modernization Plans and ADA Improvements

MCHENRY COUNTY DIVISION OF TRANSPORTATION

Algonquin Road: Flashing Yellow Arrow Design and Evaluation, Phase I and Phase II Engineering

Randall Road (Harnish Drive to Miller Road): Signal Coordination and Timing Study

Traffic Signal Timing Assistance and Review: Various

OTHER PROJECTS

Algonquin Road Bike Path and Sidewalk Improvements, Mount Prospect: Phase I and II traffic signal modifications.

Balmoral Avenue (Des Plaines River Road to N. Pearl Street), Rosemont: New Traffic Signal Installations, Fiber Optic Interconnect and Video Monitoring Improvements

Des Plaines River Road and I-90 WB Ramps/CTA Station Entrance, Rosemont: Phase I and II Intersection Design and Traffic Signal Modernization

Coordinated Signal System Upgrade, DeKalb: Phase I and II Traffic Signal System Replacement

Finley Road and IL Route 38 (Mariano's Entrance), Lombard: Phase I and II Intersection Design and Traffic Signal Modernization

Fountain Square Traffic Signal Modernization, Evanston: Sherman Avenue, Orrington Avenue, Davis Street, & Grove Street

Village-wide EVP Improvements, Crestwood

Central Traffic Management Systems (Washington Street), Naperville: Phase I and II

Adaptive Traffic Signal System (Washington Street and Aurora Avenue), Naperville: Phase I and II

TRAFFIC IMPACT STUDIES

Holly Brook Court Senior Living Center, Brazil, IN

Road Ranger, Tipton, IN

ComEd Site Redevelopment, Chicago

Downtown Bartlett Traffic Assessment

Downtown Algonquin IL 31 Bypass Traffic Study

Fashion Outlets of Chicago Traffic Analysis and Assessment, Rosemont

Nowell Park Recreation Center, Joliet

RAILROAD QUIET ZONE STUDIES

- Bartlett – Spaulding Road (Milwaukee District West Service)
- Chicago Ridge – Ridgeland Avenue to Chicago Ridge Metra Station (Metra Southwest Service)
- Elmwood Park – Harlem Avenue to Grand Avenue (Metra Milwaukee District West Service)
- North Riverside/Riverside/Berwyn – 1st Avenue to Riverside Drive (Chicago Central and Pacific Line)
- New Lenox – Gougar Road to School House Road (EJ&E Line)
- Oak Lawn – Central Avenue to Kilbourn Avenue (Metra Southwest Service)
- Roselle – Rodenburg Road (Metra Milwaukee District West Service)
- Wayne – Army Trail Road (EJ&E Line)

SPECIALTY STUDIES

Parcel 1DS0010: IL Route 53, Itasca

Parcel 1DS0050TE: IL Route 53, Addison

Parcel 1DS0106TE: IL Route 53, Addison

Parcel 1DS0126-DED: IL Route 53, Itasca

Parcel 0DU0049: Des Plaines River Road

Parcel 0DU0064: Des Plaines River Road

Parcel 0DU0073: Des Plaines River Road

Parcel 0DU0304: Des Plaines River Road

Parcel EO-1A-12-048: IL Route 53/Elgin-O'Hare

Parcel NW-7A-12-011: I-90 & Elmhurst Road

Parcel NW-7A-12-036: I-90 & Elmhurst Road

Parcel NW-7A-12-071: I-90 & Elmhurst Road

Parcel 0H40002 & TE: US 45

Parcel 0H40003 & TE: US 45

Parcel 0H40009: US 45

Parcel 0H40013: US 45

Jeana Gowin, PE, CFM, CPSWQ

Senior Water Resources Project Manager

YEARS EXPERIENCE: 22
YEARS WITH CBBEL: 22

EDUCATION
Bachelor of Science, 2001
Agricultural Engineering
University of Illinois at Urbana-Champaign

PROFESSIONAL REGISTRATION
Professional Engineer, IL, 062.061210, 2008

CERTIFICATIONS
Certified Floodplain Manager, IAFSM

Certified Professional in Stormwater Quality, Envirocert International

PROFESSIONAL AFFILIATIONS
American Society of Civil Engineers;
Director 2020-2022

Illinois Association for Floodplain and Stormwater Management

Environment and Water Resources Institute (EWRI);
Past Chair 2020-2021
Chair 2019-2020
Vice Chair 2018-2019;
Treasurer 2017-2018;
Secretary 2016-2017

Jeana is responsible for water resources engineering project analysis and design. Duties include performing the following hydrologic and hydraulic engineering tasks: land use characterization, floodplain/floodway delineation, detention and compensatory storage determination, steady state and unsteady state hydraulic analyses, and design of conveyance systems. Has prepared, submitted, and obtained IDNR floodway construction permits, dam safety permits, and FEMA LOMR, LOMR-Fs, and LOMA. Storm Sewerage Permits have been obtained from MWRDGC and Stormwater Permits from DuPage County Department of Economic and Development Planning. Has performed reviews for the communities of Addison, Carol Stream, Huntley, Inverness, Naperville, Orland Park, Prospect Heights, Rolling Meadows, Shorewood, and Wheeling.

Computer modeling skills include: HEC-1, HEC-HMS, and TR-20 hydrologic models; WSP-2, HEC-2, HEC-RAS steady state hydraulic models; Hydraflow, EPA SWMM and XP-SWMM storm sewer models; HY-8 culvert design; FEQ and HEC-RAS unsteady models; and HEC-GeoRAS and ArcMap.

Devlin WWTP and Seasons 4 Watershed Studies, Roselle: Project Manager. The Seasons 4 and Devlin Watersheds have historically experienced street and structure flooding. CBBEL analyzed the existing conditions drainage system within each watershed to identify any bottlenecks and to recommend proposed alternatives to reduce the risk of future flooding in the identified critical areas within each watershed. The methodology for analyzing the drainage system of the Seasons 4 and Devlin Watershed included a comprehensive review of the storm sewer system in each watershed, development of individual hydrologic and hydraulic modeling of the watershed drainage systems, identification of system limitations, and development of proposed drainage improvements. CBBEL developed three drainage improvements for each watershed to provide a minimum 10-year level of service for the storm sewer system in each watershed (with a maximum of 6-inches of street ponding). The alternatives were developed with various components to increase conveyance through the system and to include proposed stormwater storage areas. A concept plan and engineer's estimate of probable cost were prepared for each improvement alternative. The proposed improvements were analyzed with the XP-SWMM model to determine the reduction in peak water surface elevations in the respective watershed and to verify that the proposed drainage projects do not adversely impact downstream areas.

O'Hare Modernization Program and Ongoing CDA Projects, Chicago: Project Engineer. OMP and ongoing CDA project responsibilities include: prepared H&H modeling for the Willow Creek and Willow-Higgins Creek Relocations and provided guidance and review for construction phasing of the relocation to assure compliance with IDNR-OWR permit conditions; reviewed the Tollway models for the Touhy Avenue Reservoir; drafted multiple sections of the revised drainage report; participated in preparation and review of the DuPage annual reports; and provides H&H reviews and project compliance.

Stormwater Master Plan, Deerfield: Project Manager. Due to localized surface flooding in numerous locations during moderate to heavy rain fall events, the Village of Deerfield (Village) initiated the development of a Village-wide Stormwater Master Plan (SMP) to identify and develop proposed flood reduction projects and policies to address drainage problems within the Village. CBBEL analyzed the storm sewer system for the SMP with a comprehensive review of the existing storm sewer system, resident input via flood questionnaire and resident feedback, XP-SWMM hydrologic and hydraulic modeling of the existing drainage system along with verification of the model against recent storm events, and identification of system limitations. Developed and analyzed concept plans to reduce mitigate flooding in areas identified, along with conceptual engineer's estimate of probable cost for each proposed drainage improvement alternative. After presentation to the Village Board in Fall-2021, a final plan including prioritization matrix and recommendations for a potential rear yard drainage program was prepared.

I-294 Industrial Park Drainage Investigation, IDOT, Franklin Park: Project Engineer responsible for preparation of XP-SWMM hydraulic analysis of existing conveyance system from County Line Road to Silver Creek. Analyzed and proposed several alternatives to provide a greater level of flood protection within the Industrial Park. Technical memorandums were prepared analyzing multiple facets of the project including alternate outlets. This Drainage Investigation is the design basis for the flood control project being implemented by the ISTHA for the Elgin O'Hare Western Access through the Village. Project includes permitting through IDNR-OWR, MWRDGC, and IEPA. Project required coordination with IDOT, Illinois Tollway, Village, and affected property owners.

International Center South Dam, Minooka: Project Manager and Water Resources Engineer for small size Class II dam inspection in conjunction with Structural Engineer as required by IDNR-OWR Dam Safety Permit.

Update to the Village of Lombard's Combined Sewer Study: Senior Project Engineer for updates to the 2009 Combined Sewer Study. Includes XP-SWMM modeling update to include completed recommended projects from the 2009 Study and analysis to develop and prioritize capital investment projects that will best utilize available funding and will target known backup areas, including those reported for the 5/14/20 rain event.

New Lenox Comprehensive Plan: Project Manager for consultation related to the stormwater management and infrastructure elements of the Village's Comprehensive Plan. Responsibilities included overall analysis

of stormwater management, floodplain and utilities as related to the Village and Will County Ordinances. Also coordinated efforts for review of relocation of Cedar Road and Prairie Road.

Streamwood Comprehensive Plan: Project Manager responsible for coordination with Village and planner, advising on various stormwater and floodplain aspects of the Comprehensive Plan. Responsibilities included overall analysis of existing stormwater elements, floodplain and floodway as related to projects along Bartlett Road and Sutton Road. Also coordinated efforts to prepare a cost estimate related to the construction of various trail systems.

Willow Creek Relocation, O'Hare Modernization Program, Chicago: Project Engineer responsible for hydrologic and hydraulic modeling of various alternatives related to relocation of Willow Creek within the North Airfield for existing and proposed configuration of O'Hare International Airport. Included coordination with designers and hydraulic analysis of different phases of construction. Responsible for preparation of IDNR-OWR floodway construction permit.

Irving Park Road Relocation Location Drainage Study, Bensenville and Chicago: Project Engineer responsible for preparation of LDS. Responsibilities included assembly of existing drainage plan outlining drainage boundaries and key drainage features, design of proposed storm sewer system, and assembly of proposed drainage plan.

Elgin O'Hare West-Bypass, IDOT: Project Engineer responsible for HEC-RAS hydraulic modeling of Willow Creek existing and proposed conditions through the study area. Also responsible for preparation of IDOT Hydraulic Report and IDNR-OWR Flow Certification for Willow Creek. This study is the design basis for the Phase II improvements associated with the Elgin O'Hare Western Access interchange on Thorndale Avenue and York Road.

Route 53 Pump Station and Terrace View Pond, Lombard: Project Engineer responsible for hydrologic and hydraulic analysis of the watershed. Used XP-SWMM sewer model to identify existing sewer capacity and flood prone areas. Developed and evaluated alternatives to provide additional flood storage by improving the Terrace View Pond and provide storm sewer improvements to reduce flooding in surrounding areas. The analysis was also used to determine a new pump rate for the upgraded Route 53 Pump Station.

Silver Creek Culvert Replacement, Franklin Park: Project Engineer responsible for hydrologic and hydraulic modeling of the sizing of channel and new culvert crossings associated with removal of an existing culvert. Included coordination with designers and hydraulic analysis of different alternatives. Responsible for preparation of IDNR-OWR floodway construction permit.

Lower Des Plaines River Watershed Modeling, MWRDGC: Project Engineer. Performed hydrologic and unsteady hydraulic analysis of Buffalo Creek watershed. Modeling results are being utilized to map new 100-year inundation areas and were used to propose alternatives to reduce flooding risks discovered through consultation with stakeholders and modeling results. Damage and cost estimates were used to yield benefits.

Comprehensive Flood Study, Villa Park: Project Engineer responsible for hydrologic and hydraulic analysis of Salt Creek watershed modeling for the Village's combined and separated sewer systems. Used the XP-SWMM sewer model to identify existing sewer capacity and flood prone areas. Developed and evaluated alternatives to separate existing combined sewers in addition to providing a 100-year level of protection in 13 identified study areas. Proposed projects incorporate flood storage options as well as incorporation of green infrastructure.

Combined Sewer Modeling, Elmwood Park: Project Engineer responsible for development of XP-SWMM sewer model to evaluate the existing combined sewer. Proposed a flood reduction project to reduce flooding within Westwood Subdivision and various other areas within the Village. Includes separation of 250 acres of Village area that is currently drained by combined sewers and will provide relief to MWRDGC North Avenue interceptor. New storm sewer system will discharge to Golf Course Tributary.

Buffalo Grove Downtown Redevelopment: Project Engineer responsible for hydraulic analysis of the relocation of Farrington Ditch along Buffalo Grove Golf Course. Analysis included two alignments that met requirements of IDNR-OWR, LCSMC, MWRD and USACE. Study included compensatory storage and detention calculations.

Willow Road Reconstruction, IDOT, Northfield: Project Engineer responsible for the Hydraulic Reports for IDOT's Willow Road reconstruction project located approximately from IL Route 43 to I-94 within the Village. The improvement will include two lanes in each direction with B-6.24 curb and gutter and various auxiliary turn lanes where warranted. Between Three Lake Drive and Northfield Road/ Happ Road, a new enclosed drainage system will be added. Design includes preparing the Hydraulic Report for the bridge crossing over the Middle Fork North Branch of the Chicago River including incorporating the Willow Road trunk sewer that outlets to the river that is designed to accommodate future Village lateral connections.

Combined Sewer Modeling, Lombard: Project Engineer responsible for XP-SWMM hydraulic modeling preparation and calibration. Identified Combined Sewer Overflows within the watershed and developed both an interim and a future sewer separation plan. Completed analysis of 2 areas of Village's storm and combined sewer system encompassing approx. 2,600 acres. Runoff from these areas is conveyed to various sewer treatment facilities, until those systems reach capacity and overflow to the East Branch DuPage River. Purpose of the project was to determine the existing system capacities and frequencies of combined sewer overflow events, with the goal of developing a sewer separation plan that reduces the frequency of CSO's.

PROFESSIONAL DEVELOPMENT

IAFSM Conference, 2015, 2014, 2012, 2010, 2005

Risk and Uncertainty Analysis, 2014

Stream Restoration, 2014

EPA SWMM Seminar, 2012

Ethics in City Government, Ethics Training for CDA/OMP Contractors, Vendors and Employees, 2011, 2013

Hancor Stormwater Management Presentation, 2005

Writing Workshop, 2005

Urban Drainage Seminar, 2005

Best Management Practice Seminar, 2005

IDNR-OWR Permitting Seminar, 2005

DuPage County Flood Plain Mapping and Flood Plain Permit Submittal Seminar, 2005

FEQ Training Seminar, 2004

Polymers and Sediment Control, 2004

Sustainable Urban Drainage Systems Seminar, 2004

TR-20 Hydrologic Model Seminar, 2004

HEC-HMS Training Seminar, 2002

HEC-RAS Training Seminar, 2002

Brian Kubilius, PE, CFM

Senior Water Resources Engineer

YEARS EXPERIENCE: 9
YEARS WITH CBBEL: 9

EDUCATION
Bachelor of Science, 2015
Civil Engineering
University of Illinois
at Chicago

PROFESSIONAL REGISTRATION
Professional Engineer, IL
062.071979, 2021

CERTIFICATIONS
Certified Floodplain Manager,
IAFSM

PROFESSIONAL AFFILIATIONS
American Society of
Civil Engineers

Toastmasters International

Illinois Association of
Floodplain Management

Brian is a Professional Engineer responsible for water resources engineering project analysis and design. Brian's duties include performing the following engineering tasks: land use characterization, detention and compensatory storage determination, stormwater management studies and permitting, floodplain/floodway delineation studies and permitting, steady and unsteady hydraulic analyses, design of conveyance systems, electric utility projects, National Pollution Discharge Elimination System (NPDES) Phase II permitting and compliance inspections, and municipal reviews.

Software Skills: Experienced in use of XP SWMM, HEC-RAS, SRH-2D/SMS, TR-20, WinTR-20, HEC-HMS, HY-8, Hydraflow, Hydraulic Toolbox, ArcMap, EPANET, AutoCAD, Microsoft, Word, Excel, PowerPoint.

Stormwater and Floodplain Reviews, Various Municipalities: Senior Water Resources Engineer responsible for performing stormwater and floodplain reviews for various municipalities to ensure that proposed projects meet local and county-wide stormwater and floodplain regulations. Responsible for reviews for the Village of Addison, Village of Buffalo Grove, and Village of Huntley.

Commonwealth Edison (ComEd), Various Projects: Senior Water Resources Engineer responsible for project analysis and design of numerous ComEd projects across the State of Illinois; including designing detention basins and conveyance systems for new substations and substation expansions. Responsible for securing various environmental and site development permits for substations. Complete reviews for stormwater impacts and regulatory compliance for new substation sites.

Industrial NPDES Permit Compliance– Cook Illinois Corporation: Senior Water Resources Engineer responsible for creating and maintaining SWPPPs for over 15 Bus Transportation and Maintenance Facilities owned by Cook Illinois Corporation. The site operations at each facility include industrial activity and must meet compliance with the IEPA NPDES Phase I program. Perform facility inspections which include: an evaluation of the SWPPP program, best management practices being implemented, facility grounds, the storm water management system, areas of potential contamination, and other aspects that are required by the NPDES Industrial Permit. Inspections are documented and tracked with Quarterly Visual Observation of Discharge and Annual Facility Inspection forms.

Polaris Intermediate (PIE) School Stormwater Storage and Storm Sewer Improvement Project, Village of Oak Lawn: Senior Water Resources Engineer responsible for the review of conceptual design of stormwater storage and storm sewer improvements. Responsibilities included reviewing the existing Village stormwater system and prior 2D XP-SWMM modeling to incorporate updates to the modeling and provide value engineering for the MWRD funded project and attending meetings with Village staff and MWRD providing project updates in preparation for final design. The proposed design consists of upsized storm sewers along 105th Street and Kilpatrick Avenue being routed to a proposed 40 acre-foot detention basin that will maintain its current land usage as sports fields for the school district.

Crystal Creek Daylighting Project, City of Crystal Lake: Senior Water Resources Engineer responsible for the hydrologic and hydraulic modeling, design, and permitting. The City is proposing to daylight approximately 2,000 linear feet of storm sewer restoring a historical open channel through Lundahl Middle School property. Responsible for the IDNR-OWR Part 3708 Floodway Construction Permitting submittals and the supporting HEC-RAS modeling.

Washington Street Flood Improvement Study, City of Blue Island: Senior Water Resources Engineer responsible for data compilation, 2D XP-SWMM hydrologic and hydraulic modeling, analysis of alternative solutions, and compilation of drainage study for the Washington Street study area in the City of Blue Island. Design alternatives include separating the sewer system from a combined sewer network and providing detention storage.

Spring Street Ditch/Hartsdale Pond Flood Control Feasibility Study, Town of Schererville, IN: Senior Water Resources Engineer responsible for using HEC-HMS hydrologic modeling and unsteady state HEC-RAS hydraulic modeling to study Spring Street Ditch. Developed proposed drainage improvement alternatives consisting of upsized conveyance at restrictive crossings and additional storage located at Hartsdale Pond.

Dowling Park and Southeast Hessville Area Drainage Analysis, City of Hammond, IN: Senior Water Resources Engineer responsible for the hydrologic and hydraulic analysis of the Dowling Park and Southeast Hessville drainage areas to determine potential causes of flooding and develop proposed drainage improvement alternatives to alleviate neighborhood flooding. Created a 2D XP-SWMM model to identify the existing level of protection of the storm sewer system and developed proposed improvements including improved conveyance, additional stormwater storage, and upgrades to existing pump stations.

Stormwater Master Plan, Village of Algonquin: Senior Water Resources Engineer responsible for the comprehensive stormwater management plan in the Copper Oaks Subdivision. Responsible for reviewing the Village stormwater system and created a dynamic hydrologic and hydraulic model using XP-SWMM.

Vine Street Stormwater Management Basin Analysis, Village of Huntley: Senior Water Resources Engineer responsible for the hydrologic and hydraulic analysis of a regional detention basin. Used XP-SWMM to determine the existing level of protection for the drainage system and proposed several alternatives to improve the level of protection for nearby businesses and roadways.

Sawmill Garden Sports Complex, Un-Incorporated DuPage County: Senior Water Resources Engineer responsible for obtaining DuPage County Stormwater Certification. Responsible for detention storage and compensatory floodplain storage design in accordance with the DuPage County Countywide Stormwater and Floodplain Ordinance.

Street Storage Program, Village of Lincolnwood: Senior Water Resources Engineer responsible for the XP-SWMM modeling analysis of inlet restrictors and berms to temporarily store runoff on street surfaces to reduce peak flows into the storm sewer system.

La Reina Re'al Study Area, Village of Orland Park: Senior Water Resources Engineer responsible for hydrologic and hydraulic modeling for the localized study area for Cameno Re'al Subdivision. Created an XP-SWMM model to determine sources of flooding and developed alternatives to alleviate flooding issues.

Innsbrook Country Club/Turkey Creek Golf Course Flood Control Feasibility Study, Merrillville, IN: Senior Water Resources Engineer responsible for using HEC-HMS hydrologic modeling and unsteady state HEC-RAS hydraulic modeling to determine potential flood-reduction benefit projects along Turkey Creek and its tributaries. Developed proposed alternatives consisting of various flood storage configurations along the overbanks of Turkey Creek and Turkey Creek Lateral #6.

Stormwater Master Plan, Village of Skokie: Senior Water Resources Engineer responsible for the comprehensive stormwater management plan in the Emerson Lake Street District. Responsible for reviewing the Village stormwater system and created a dynamic hydrologic and hydraulic model using XP-SWMM.

Northgate Subdivision Flood Study, Town of Dyer, IN: Senior Water Resources Engineer responsible for hydrologic and hydraulic modeling. Created an XP-SWMM model to determine existing level of protection and determine critical areas within the subdivision. Analyzed improvement alternatives including upsized conveyance and detention storage to provide a 100-year level of service for the subdivision.

Meadowdale Lateral Flood Storage Basins, Town of Merrillville, IN: Senior Water Resources Engineer responsible for using HEC-HMS hydrologic modeling and unsteady state HEC-RAS hydraulic modeling to study the Meadowdale Lateral watershed. Developed proposed drainage improvements for the watershed which has experienced extensive drainage issues in the past.

SUBCONSULTANTS

METRO STRATEGIES GROUP | GRANT WRITING / PUBLIC ENGAGEMENT

Metro Strategies Group is a planning, policy and public affairs firm with a wide range of public, private and nonprofit clients. CBBEL partners with Metro Strategies to help clients through every step of the process; assisting with developing sound projects and securing funding for new initiatives. CBBEL has partnered with Metro Strategies for the last 10 years as its project funding and grant writing team. Metro Strategies has expertise in writing proposals for various program areas, including environmental projects, infrastructure improvements, transportation enhancements, health and human services, criminal justice, parks and recreation, green infrastructure, flood mitigation, and energy efficiency.

Metro Strategies helps clients define and articulate the vision and goals of new projects, engage strategic partners, and create a comprehensive plan with measurable outcomes. Our staff participates in and, if needed, facilitates planning meetings, researches best practices, assists with creating implementation timelines and budgets, and prepares all supporting materials.

METRO STRATEGIES group

1901 Butterfield Road, Suite 260
Downers Grove, IL 60515
Phone: 630.534.6400
email: info@metrostrategiesgroup.com

TESTING SERVICE CORPORATION | GEOTECHNICAL ENGINEERING / MATERIALS QA

Testing Service Corporation (TSC) has a recognized reputation for geotechnical engineering services. Since their 1954 incorporation, the firm has completed more than 80,000 projects, primarily throughout Central and Northern Illinois. The corporate project list includes large scale residential, commercial, retail and industrial development, as well as medium to large scale structures. Public infrastructure items such as roadways, bridges, tunnels, underground and earth retention systems are also included.

TSC owns, operates and maintains a drill fleet of 13 units. These drills have a wide range of configurations and access capacity including truck, rubber tire and track mounted All-Terrain Vehicle (ATV), skid and tripod. Drill supervisors are licensed, well drillers and crews have the OSHA 40-Hour Health & Safety training.

TSC

Address: 360 S. Main Place
Carol Stream, IL 60188
Phone: 630.462.2600

TAB 3
LICENSES

LICENSES

REGISTERED PROFESSIONAL ENGINEERS IN THE STATE OF IL **91**

20 **CERTIFIED FLOODPLAIN MANAGERS**

CERTIFIED PROFESSIONALS IN EROSION AND SEDIMENT CONTROL **11**

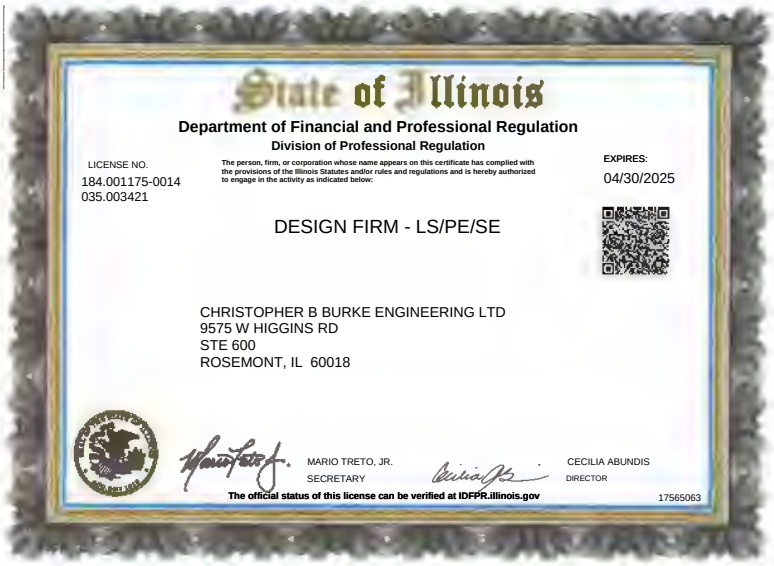
5 **PROFESSIONAL TRAFFIC OPERATIONS ENGINEERS**

REGISTERED PROFESSIONAL SURVEYORS IN THE STATE OF IL **2**

2 **STRUCTURAL ENGINEERS**

LANDSCAPE ARCHITECT **1**

49 **DOCUMENTATION OF CONTRACT QUANTITIES**



State of Illinois
Department of Financial and Professional Regulation
Division of Professional Regulation

LICENSE NO.
184.001175-0014
035.003421

The person, firm, or corporation whose name appears on this certificate has complied with the provisions of the Illinois Statutes and/or rules and regulations and is hereby authorized to engage in the activity as indicated below:

EXPIRES:
04/30/2025

DESIGN FIRM - LS/PE/SE

CHRISTOPHER B BURKE ENGINEERING LTD
9575 W HIGGINS RD
STE 600
ROSEMONT, IL 60018

MARIO TRETO, JR.
SECRETARY

CECILIA ABUNDIS
DIRECTOR

The official status of this license can be verified at IDFPR.illinois.gov

17565063

State of Illinois
Department of Financial and Professional Regulation
Division of Professional Regulation

LICENSE NO.
062.060829

The person, firm, or corporation whose name appears on this certificate has complied with the provisions of the Illinois Statutes and/or rules and regulations and is hereby authorized to engage in the activity as indicated below:

EXPIRES:
11/30/2025

LICENSED PROFESSIONAL ENGINEER

ORION C GALEY
180 S MONTCLAIR AVE
GLEN ELLYN, IL 60137

MARIO TRETO, JR.
SECRETARY

CAMILE LINDSAY
ACTING DIRECTOR

The official status of this license can be verified at IDFPR.illinois.gov

18314101

State of Illinois
Department of Financial and Professional Regulation
Division of Professional Regulation

LICENSE NO.
062.045241

The person, firm, or corporation whose name appears on this certificate has complied with the provisions of the Illinois Statutes and/or rules and regulations and is hereby authorized to engage in the activity as indicated below:

EXPIRES:
11/30/2023

LICENSED PROFESSIONAL ENGINEER

SCOTT A SODERSTROM
1901 MANNING ROAD
DARIEN, IL 60561

MARIO TRETO, JR.
ACTING SECRETARY

CECILIA ABUNDIS
ACTING DIRECTOR

The official status of this license can be verified at www.idfpr.com

16173939

TAB 4
APPROACH TO PROJECT

APPROACH TO PROJECT

CBBEL is proposing **SCOTT SODERSTROM, PE** as Village Engineer / Point of Contact. Scott's extensive experience in various roles over the past 43 years of his career, including providing Village Engineer duties for the Village's of Riverside and Oak Brook, give him the ability and knowledge to address the Village of Willowbrook's needs for these services. We understand Scott's role would include continuous support for both Public Works and Community Development. Scott will provide support to the Community Development Department by serving as the review engineer of record. When the workload is high, Scott will have access to our Municipal Engineering Department in Rosemont to supplement his efforts and ensure review turn around is as efficient as possible. This includes review of new residential and commercial developments, planning developments, special uses and rezoning requests. During the development process, we are typically involved from review of concept plans through project permitting, then construction and project acceptance. We regularly attend Plan Commission and Village Board meetings in support of Community Development staff. Our staff is fully capable and familiar with review and permitting for water distribution, stormwater management, sanitary sewerage, and road and parking lots including pavements, traffic studies, and traffic signals. In working through the development process, we routinely coordinate with neighboring property owners, developers, design engineers, and contractors. As the Public Works staff engineer, Scott will assist Public Works staff in reviewing all public infrastructure complaints and will recommend appropriate solution(s), maintain updated public infrastructure condition reports, and help to compile budgets for capital improvement plans. Scott (with the assistance from various CBBEL staff) will assist Public Works to ensure all NPDES/SWPPP, MS4 permits, and all other regulatory inspections and reports are completed and up to date.

As a second layer of support, CBBEL proposes **ORION GALEY, PE** as the Village's Program Manager / Alternate Contact. Orion is a Vice President, and a seasoned Project Manager with over 21 years of experience. Orion also serves on the Illinois Road and Transportation Builders Association - DuPage County Coop Committee. When the Village assigns a task to CBBEL, Orion will engage and direct the appropriate CBBEL staff to initiate the engineering work and any other tasks necessary to complete the work within budget and on-time. This work flow model has been implemented with the majority of our clients and has proven to be extremely effective at controlling costs, maintaining project schedule and producing quality work while maintaining a high level of client service.

TAB 5
PROFESSIONAL CONSULTING ENGINEERING SERVICES
PROFESSIONAL SERVICES CHECKLIST

Section 12. Required Forms

A. Professional Services Checklist

Firm Name: Christopher B. Burke Engineering, Ltd.

	SERVICE	*CHECK ALL THAT APPLY*
1.	**Civil Engineering**	X
2.	**Construction Engineering**	X
3.	**Stormwater Engineering**	X
4.	**Environmental Resources**	X
5.	**Mechanical Engineering**	X
6.	**Municipal Engineering**	X
7.	**Structural Engineering**	X
8.	**Architectural Services**	X (Landscape Design)
9.	**Surveying Services**	X
10.	**Traffic Engineering**	X
11.	**Water Resources Engineering**	X

TAB 6
SERVICES OFFERED

SERVICES OFFERED

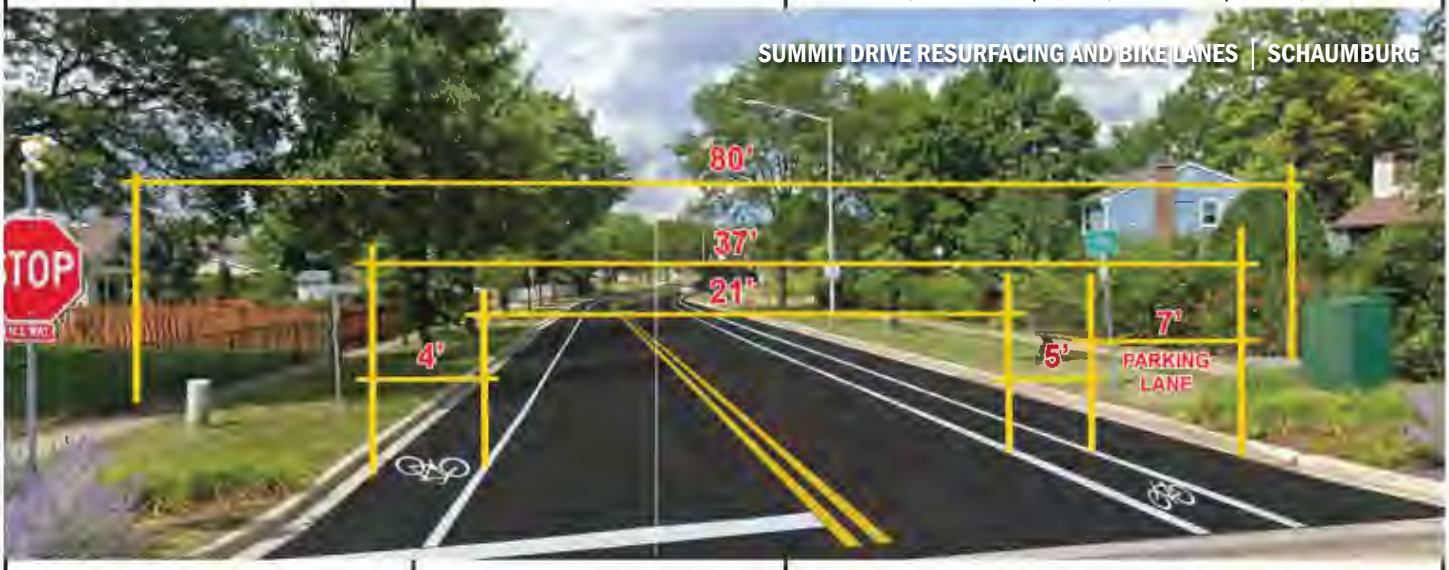
CATHERINE CHEVALIER WOODS PEDESTRIAN TRAIL | ROSEMONT

CIVIL ENGINEERING

PROJECT NAME/ PROJECT MANAGER	CLIENT/ REFERENCE	SCOPE OF IMPROVEMENTS
Catherine Chevalier Woods Pedestrian Trail Jason Souden, PE Mark Wrzeszcz Nicholas Morel, PE	Village of Rosemont 9501 W. Devon Avenue Rosemont, IL 60018 Mayor Bradley Stephens 847.825.4404	Located on the Village of Rosemont and Forest Preserve District of Cook County (FPDCC) property, the Bryn Mawr pedestrian bridge extends from the eastern dead end of Bryn Mawr Avenue, parallel to the street's centerline, to the existing trail just east of the Des Plaines River. The bridge connects Rosemont residents and visitors of Rosemont's hotels, businesses and entertainment district to the Forest Preserve of Cook County (FPDCC), its trails and other amenities. The project consists of a bridge with 2-150' long spans with approximately 50' of boardwalk structure at the west end. The bridge is a prefabricated steel truss bridge with a concrete deck and the boardwalk is constructed with pretreated timbers. Approximately 100' of the eastern river bank is stabilized with a combination of stone riprap and native plantings. The project was permitted through IDNR-OWR, USACE and the MWRD. The project went through the federal project development procedures with coordination through IDOT BLRS. Fee: $175,000
Main Street Streetscape Jason Souden, PE Nicholas Morel, PE	Village of Cary 755 Georgetown Drive Cary, IL 60013 Eric Morimoto 847-639-0003	The work involves street resurfacing, as well as new brick parking stalls, curb and gutter replacement, a carriage walk, bench nodes with decorative paving, extensive landscaping, new ornamental pedestrian and roadway lighting, decorative catenary lighting, new site furniture, ADA improvements, and high visibility cross-walks. Fee: $120,000

Rand/Central/Mount Prospect Road Triangle Intersection Improvement Stephen Sugg, PE, PTOE	Village of Mount Prospect Department of Public Works 1700 West Central Road Mount Prospect, IL 60056 Matt Lawrie 847.870.5640	The improvements include intersection reconfiguration including access modifications, additional channelization, traffic signal modernization, drainage improvements, sidewalk improvements, and a shared-use path along Rand Road to address long standing congestion, vehicle safety and pedestrian safety concerns. CBBEL completed upfront traffic and safety analysis and facilitated early public involvement to get stakeholder input on improvement solutions. Based on the stakeholder input, 15 alternatives were analyzed and presented in a comprehensive Alternatives Evaluation Report. Fee: $365,000 - Phase I | $920,000 - Phase II
IL Route 7 (E. 9th Street) Lincoln Street to Summit Drive Bryan Welch, PE	City of Lockport Department of Public Works 222 E. Ninth Street Lockport, IL 60441 Brent D. Cann 815.280.9114	CBBEL evaluated multiple alternatives to achieve the proposed improvement objectives with right-of-way impacts minimized to the extent possible. The improvement includes pavement reconstruction for superelevation correction at the horizontal curve southwest of E. 7th Street and pavement rehabilitation to the northeast. A two way left turn lane will be added between adjacent existing three lane roadway sections to complete a continuous three lane roadway section, reduce congestion, and improve access to adjacent commercial and residential properties. To address roadway drainage concerns and minimize right-of-way impacts, the existing shoulder section will be replaced with curb and gutter and new storm sewer. Fee: $357,000

US 52 at River Road Bryan Welch, PE	Village of Shorewood One Towne Center Boulevard Shorewood, IL 60404 Noriel Noriega 815.725.2150	The purpose and need of this project was to address capacity, operations, and safety issues at the intersection of US 52 and River Road with additional through lanes and improved channelization. Engineering evaluations showed roadway widening to provide two through lanes and extended left-turn lanes in each direction along US 52, and one through lane, a new right-turn lane, and extending the left-turn storage lengths where practical in each direction along River Road, would improve capacity and safety at the intersection. Fee: $185,000 - PH I | $300,000 PH II | $300,000 - PH III



Summit Drive Resurfacing and Bike Lanes Jason Souden, PE	Village of Schaumburg 714 South Plum Grove Road Schaumburg, IL 60193 Anna Kesler 847.923.6654	Resurfacing of Summit Drive from Wise Road to Schaumburg Road. Improvements also included ADA upgrades, on-street bike lanes, and drainage improvements. Fee: $196,000
Village Hall Permeable Paver Parking Lot Andy Pufundt, PE Nicholas Morel, PE	Village of Chicago Ridge 10455 South Ridgeland Ave Chicago Ridge, IL 60415 Mayor Chuck Tokar 708.425.7700	The Village Hall Permeable Paver Parking Lot Project primarily consisted of removing the existing impervious bituminous pavement and installing permeable pavers in the public visitors parking lot at Chicago Ridge's Village Hall. Construction costs were shared in partnership with the Illinois Environmental Protection Agency (IEPA) and the Village of Chicago Ridge. In addition to installation of the permeable pavers, drainage issues and non-compliant ADA handicap parking areas were addressed as part of this contract as well as installation of new electric vehicle charging stations at the south end. Installation of the new electric vehicle charging stations are a continuation of the Village of Chicago Ridge's efforts to promote green infrastructure, reduction of the carbon footprint, and increase travel into the Village by electric vehicle users. CBBEL prepared all construction documents, fulfilled all IEPA 319 Grant requirements, performed bidding assistance, and provided construction observation services. Fee: $46,000

HOWARD STREET IMPROVEMENTS | NILES

Niles Howard Street Improvements Stephen Sugg, PE, PTOE	Village of Niles 1000 Civic Center Drive Niles, IL 60714 Tom Powers 847.588.8000	The Howard Street project consisted of roadway patching and resurfacing, implementation of a road diet between Waukegan Road and Caldwell Avenue (narrowing of the pavement to one through lane in each direction), construction of on-street and off-street bicycle facilities, filling in sidewalk gaps, widening of Howard Street at Waukegan Road to provide separate left turn lanes, roadway lighting, traffic signal modernization at three intersections and other improvements. CBBEL prepared an addendum to the original approved Phase I Project Report which separated pedestrians from bicyclists and reduced the number of parcels necessary for land acquisition to 14 from 71. The addendum also removed the need to construct a new bridge to carry pedestrians and bicyclists over the North Branch of the Chicago River. Fee: $289,800 - Phase II | $419,300 - ROW Acquisition

OAKTON STREET SIDEPATH | DES PLAINES

Oakton Street Sidepath Michael Kerr, PE	City of Des Plaines 1420 Minor Street Des Plaines, IL 60016 Timothy Oakley 847.391.5300	The City of Des Plaines received ITEP funds administered by IDOT to provide an important connection to the Des Plaines River Trail (DPRT) along Oakton Avenue between Des Plaines River Road and the trail. This 2,000-foot sidepath provides an important new pedestrian and bicycle crossing of the Des Plaines River and new access to the DPRT. To accommodate the 10-foot-wide path over the river, the existing Oakton Street bridge was reconfigured to construct a barrier-protected shared use path. The bridge modification also required reconfiguring the roadway adjacent to the bridge with new curb and gutter, striping and pavement resurfacing. Another significant safety improvement was the addition of a pedestrian refuge island with Rectangular Rapid-Flashing Beacons, which helps improve safety where the DPRT crosses Oakton Avenue. In addition to the bridge modifications, a sheet pile retaining wall was designed east of the bridge to avoid tree and floodplain impacts. Fee: $159,000

Main Street / Harrison Street Protected Bike Lanes Jason Souden, PE Nicholas Morel, PE	Village of Algonquin 2200 Harnish Drive Algonquin, IL 60102 Michele Zimmerman 847.658.2700	This project is a $6.3 million dollar protected bike lane project along Harrison Street from the MCCD Prairie Trail continuing north along N. Main Street to the multi-use path at IL 31. Improvements on Harrison Street include PCC shared-use path, PCC pavement reconstruction, streetscape items, landscape areas, roadway lighting, storm sewer and traffic signal improvements. Improvements on N. Main Street include HMA shared-use path, HMA roundabout construction, HMA pavement reconstruction, water main relocation, precast modular block retaining walls, roadway lighting, storm sewer and guardrail. Coordination with Nicor was required to maintain progress while Nicor relocated an 8" maximum operating pressure line throughout the project. Fee: $302,000 Phase II

Additional Bike Lane/Path Projects:

- Niles NB Trail Connection
- Des Plaines Oakton Street Shared Use Path
- Oak Park Madison Street Corridor
- Skokie Old Orchard Road Bike Path
- City of Chicago Michigan Avenue
- City of Chicago Lawrence Avenue
- Mount Prospect Algonquin Road Bike Path

CIVIL ENGINEERING ADDITIONAL PROJECTS

PROJECT NAME	CLIENT	FEE
$0 TO $99,000		
Wilke Rd Resurfacing & Bike Path	Village of Arlington Heights	$96,622
Oakton Street Pedestrian Facility Improvements	Villages of Morton Grove, Niles & Skokie	$89,800
North Branch Trail Connection	Village of Niles	$84,337
Church St Reconstruction	Village of Skokie	$77,887
2022 Watermain Improvements	Village of Lindenhurst	$48,000
$100,000 to $299,000		
Des Plaines River Trail (Segment 1)	City of Park Ridge / Forest Preserve District of Cook County	$165,000
Large Diameter Combined Sewer Rehabilitation	Village of Lombard	$157,187
2021 & 2022 Street Program and 2022 Watermain Replacement	City of Palos Hills	$154,302
Oak Street Corridor Improvements	City of Evanston	$270,000
LaGrange Dr, Ironwood Dr, & Dorothy Ln Watermain	Village of Tinley Park	$110,162
$300,000 to $500,000		
Des Plaines River Trail (Segment 3)	Forest Preserve District of Cook County	$381,000
Bernard Drive Reconstruction	Village of Buffalo Grove	$324,597
Cedar at Haven Roundabout	Village of New Lenox	$332,488
Canadian National Grade Separation (Peterson Rd)	Lake County Division of Transportation	$710,000
2022 Street Reconstruction and Watermain	Village of Westchester	$325,987
$500,000 and above		
Deerfield Rd Reconstruction	Lake County Division of Transportation	$2,600,000
Lincoln Ave Improvements	City of Chicago, Department of Transportation	$594,067
Rand/Central/Mount Prospect Roads Intersection Improvements	Village of Mount Prospect	$577,570
Clark St Streetscape	City of Chicago, Department of Transportation	$517,552
47th Street & Ashland Avenue	City of Chicago, Department of Transportation	$1,997,000

** Additional information for each project available upon request.*

SERVICES OFFERED

MUNICIPAL ENGINEERING

PROJECT NAME/ PROJECT MANAGER	CLIENT/ REFERENCE	SCOPE OF IMPROVEMENTS
Village of Willowbrook Daniel Lynch, PE, CFM	Village of Willowbrook 835 Midway Drive Willowbrook, IL 60527 Michael Krol Director of Community Development 630.920.2262	Development Plan Review (1991 - Present) Village Engineer (1997 - 2022)
Village of Wayne Daniel Lynch, PE, CFM	Village of Wayne 5N430 Railroad Street Wayne, IL 60184 Eileen Phipps Village President 630.584.3090	Village Engineer (1991 - Present)
City of Darien Daniel Lynch, PE, CFM	City of Darien 1702 Plainfield Road Darien, IL 60561 Daniel Gombac, Director of Municipal Services 630.353.8106	City Engineer (1995 - Present)
Village of Chicago Ridge Daniel Lynch, PE, CFM	Village of Chicago Ridge 10455 S. Ridgeland Avenue Chicago Ridge, IL 60415 Mayor Jack Lind 708.425.7700	Village Engineer (1989 - Present) Development Review (1996 - Present)

134 Holly | Darien

MUNICIPAL ENGINEERING ADDITIONAL PROJECTS

PROJECT NAME	CLIENT	FEE
$0 TO $99,000		
Plan Review Services	Village of Kenilworth	+$50,000
The Villas at the Commons Review Services	Village of Hawthorn Woods	+$50,000
Permit Review Services	Village of Wilmette	+$30,000
Review Services	Village of Schaumburg	+$50,000
Review Services	Village of LaGrange	+$30,000
$100,000 to $299,000		
Village Engineer/Review Services	Village of Chicago Ridge	+$100,000
Village Engineer/Review Services	Village of Glendale Heights	+$100,000
Route 12/Old Rand Rd Development	Village of Lake Zurich	+$100,000
Village Engineer/Review Services	City of Darien	+$100,000
Village Engineer/Review Services	Village of Wayne	+$100,000

** Additional information for each project available upon request.*

CURRENT VILLAGE/CITY ENGINEER & REVIEW SERVICES

CITY OF CRYSTAL LAKE			■
CITY OF BLUE ISLAND	■	■	■
CITY OF DARIEN	■	■	■
CITY OF HARVARD	■	■	■
CITY OF HIGHWOOD	■	■	■
CITY OF NORTHLAKE	■	■	■
CITY OF OAKBROOK TERRACE	■	■	■
CITY OF PALOS HILLS	■	■	■
CITY OF ROLLING MEADOWS	■	■	■
CITY OF WOOD DALE		■	■
FOREST PRESERVE DISTRICT OF WILL COUNTY		■	
MCHENRY COUNTY DIVISION OF TRANSPORTATION			■
METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO			■
VILLAGE OF ADDISON			■
VILLAGE OF ALGONQUIN		■	■
VILLAGE OF BLOOMINGDALE		■	■
VILLAGE OF CAROL STREAM			■
VILLAGE OF CARY		■	■
VILLAGE OF CHICAGO RIDGE	■	■	■
VILLAGE OF CLARENDON HILLS	■	■	■
VILLAGE OF DEER PARK	■	■	■
VILLAGE OF ELMWOOD PARK	■	■	■
VILLAGE OF FOREST PARK	■	■	■
VILLAGE OF GLENDALE HEIGHTS	■	■	■
VILLAGE OF HARWOOD HEIGHTS		■	■
VILLAGE OF HAWTHORN WOODS	■	■	■
VILLAGE OF HINSDALE		■	■
VILLAGE OF HUNTLEY	■	■	■

VILLAGE OF KENILWORTH		■	■
VILLAGE OF KILDEER			■
VILLAGE OF LA GRANGE		■	■
VILLAGE OF LAKE BARRINGTON			■
VILLAGE OF LINCOLNWOOD	■	■	■
VILLAGE OF LINDENHURST	■	■	■
VILLAGE OF LONG GROVE			■
VILLAGE OF NORTHBROOK			■
VILLAGE OF OAK LAWN		■	■
VILLAGE OF OAK PARK		■	
VILLAGE OF RIVERSIDE	■	■	■
VILLAGE OF RIVERWOODS			■
VILLAGE OF ROSEMONT	■	■	■
VILLAGE OF SCHAUMBURG		■	■
VILLAGE OF SHOREWOOD	■	■	■
VILLAGE OF TINLEY PARK	■	■	■
VILLAGE OF VERNON HILLS			■
VILLAGE OF WAYNE	■	■	■
VILLAGE OF WESTCHESTER	■	■	■
VILLAGE OF WILMETTE		■	■

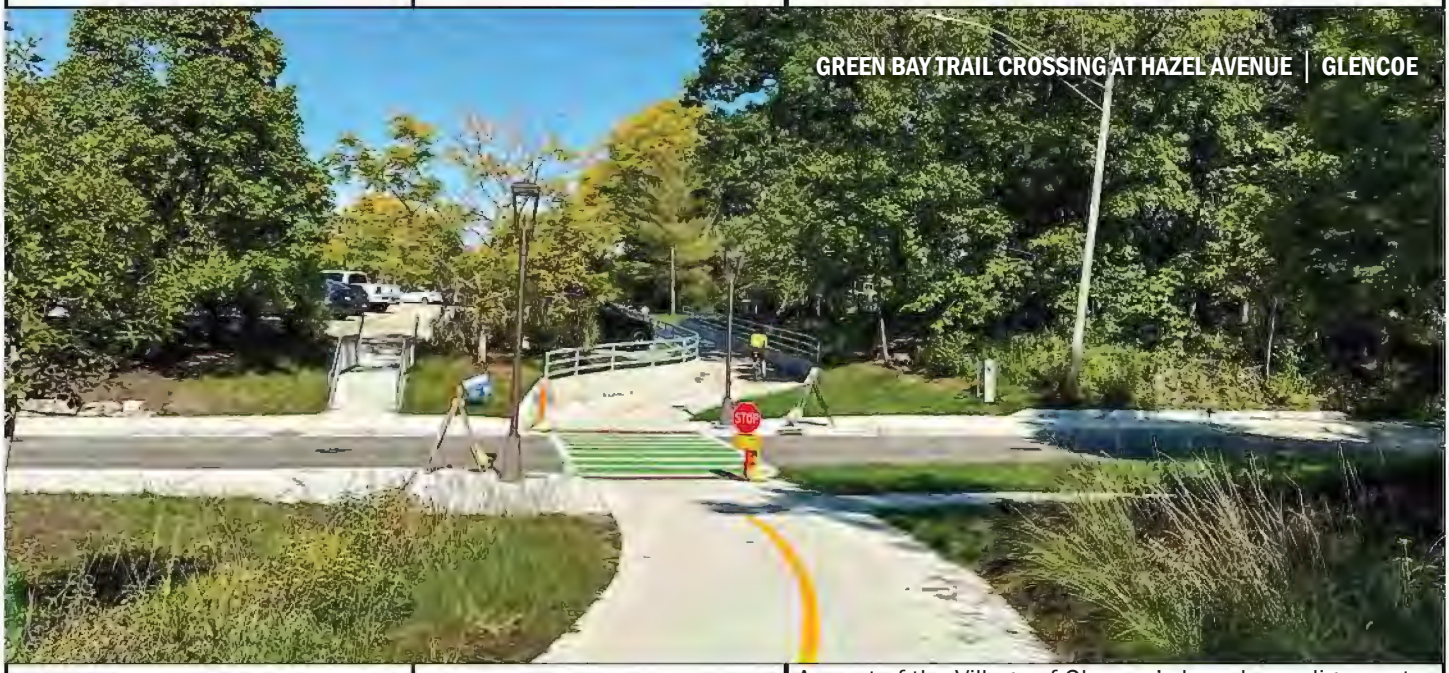
■ MUNICIPAL ENGINEER
■ PERMIT REVIEW ENGINEER
■ STORMWATER/ENVIRONMENTAL REVIEWS

SERVICES OFFERED

CONSTRUCTION ENGINEERING

PROJECT NAME/ PROJECT MANAGER	CLIENT/ REFERENCE	SCOPE OF IMPROVEMENTS
2020 MFT Resurfacing Kevin Wilson, PE Kyle Provost, PE	Village of New Lenox 1 Veterans Parkway New Lenox, IL 60451 Kurt Carroll 815.462.6410	The Village of New Lenox 2020 MFT Resurfacing Project included four miles of roadway resurfacing throughout the Village. The project consisted of PCC sidewalk removal and replacement for ADA compliance, curb and gutter removal and replacement, drainage structure improvements, two-inch surface removal, 2.25-inch HMA surface course, and landscape restoration. Fee: $40,000
2019 Road Program Kevin Wilson, PE Owen Wattelle, PE	Village of Deer Park 23680 W Cuba Road Deer Park, IL 60010 Beth McAndrews 847.726.1648	This CBBEL designed Road Program involved 1.5 miles of roadway and included corrugated culvert replacement with reinforced concrete pipe and end sections, storm sewer installation and ditching for drainage improvements, 2-inch surface removal, 3/4-inch leveling binder, 1.5-inch HMA surface course, pavement patching, installation of new signage, landscape restoration, and walking path reconstruction. Streets included as part of this project were Bobwhite Ln, Mallard Ct East, Mallard Ct West, Quail Ct, Sumac Ct, Teal Ct, Thrush Ct, N. Pheasant Trail and Plum Grove Rd. The project was completed ahead of the completion date, save for landscaping. Project complications included proposed pavement section revisions to better suit existing conditions and utility conflicts with sewer installations. Fee: $47,000

Roy Avenue Bridge **IDOT Contract #61G88)** W. Daniel Crosson, PE Eric Taraska Matthew Hoffman	City of Northlake 55 E. North Avenue Northlake, IL 60164 Mayor Jeffrey Sherwin | 708.343.8700	CBBEL completed the Phase I and Phase II Engineering for the Roy Avenue Bridge (SN 016-7612 Loading HL-93) rehabilitation and was the Phase III Construction Engineer on the project. The bridge was in need of a superstructure replacement due to deteriorated PPC Deck Beams. The abutments were in good condition with only minor repair needed. The condition of the beams deteriorated rapidly in the last few years and the replacement process was initiated. The City obtained federal funding for this bridge rehabilitation project through the STP Bridge program. The proposed superstructure replacement includes new PPC Deck Beams with a five-inch PCC wearing surface. The work consists of bridge superstructure removal and replacement (PPC deck beams), concrete substructure repair, concrete approach slabs, traffic control, construction layout, removal and replacement of concrete approach sidewalk, and collateral work necessary to complete the improvements. Fee: $58,000



GREEN BAY TRAIL CROSSING AT HAZEL AVENUE | GLENCOE

Green Bay Trail Crossing at Hazel Avenue (IDOT Contract #61H69) Kevin Wilson, PE Owen Wattelle, PE Alexandria Vukovic Nicole Lehmann, PE	Village of Glencoe 675 Village Court Glencoe, IL 60022 James Tigue 847.461.1119	As part of the Village of Glencoe's broader realignment plan, CBBEL worked with the Village to fill a gap in a section of the Green Bay Trail where it crosses Hazel Avenue. Prior to the improvement, the only crossing of Hazel Avenue was a substandard 90° crossing with five-foot-wide sidewalk approaches. This condition was unsafe for cyclists navigating the turn, as well as for pedestrians sharing the space with cyclists. The improvements included a ten-foot concrete trail with standard curves, a newly marked and signed crosswalk, a lit intersection where the Green Bay Trail crosses Hazel Avenue and significant landscaping to beautify the area around the improvements. Additionally, a staircase was added to access the Metra parking lot from the Hazel Avenue sidewalk and ADA-compliant improvements were made to the intersection. CBBEL assisted the Village in obtaining CMAQ funding. Fee: $65,000

Madison Street Drainage Project James Amelio, PE Daniel Schroeder, PE	Village of Hinsdale 19 E. Chicago Avenue Hinsdale, IL 60521 George Peluso 630.789.7382	The depressed location just south of Ogden Avenue experienced regular flooding during large storm events that regularly resulted in traffic headaches and even flooded homes. The redevelopment of an adjacent property and subsequent installation (by others) of a one acre-foot StormTrap concrete vault system allowed the Village to convey water from the natural land depression, store it, and release it at a rate acceptable to the existing downstream sewer system. The project included the installation of the storm sewer through two private property easements from the low point on Madison Street to the developer installed StormTrap concrete vault system. The work involved the installation of over 800 LF of storm sewer ranging from six to 36 inches, eight special drainage structures with oversized frames, 14 manholes and catch basins ranging from four to eight feet in diameter, a Helical Pier system with concrete pads to stabilize poor soil conditions underneath the structures at Madison Street, concrete and HMA restoration, fire hydrant removal and replacement, and landscape restoration to return existing detention pond and properties to existing conditions or better. Fee: $68,000
Lead Service Line Replacement & Water Main Projects Orion Galey, PE Edward Tarpey, PE (2022) Kevin Hunt (2023)	Village of Elmwood Park 11 Conti Parkway Elmwood Park, IL 60707 Paul Volpe 708.452.3912	**2022 Water Main, Private Lead Service Line Replacement** This project was added to an existing USACE funded water main replacement project as a result of the newly adopted Lead Service Line Replacement and Notification Act that became effective after the water main replacement project was awarded. This project replaced 101 existing lead water services within the project limits with new copper water services from the newly installed buffalo box into the private residence at no cost to the owner. **2023 Water Main Improvements** The project consisted of replacement of the existing water main at 76th Avenue between Diversey Avenue and Wellington Avenue with new 8-inch ductile iron water main, new valves, and new fire hydrants. This project also replaced 43 existing lead water services within the project limits with new copper water services at no cost to the owner. Fee: $98,000

Kirchoff Road Resurfacing (IDOT Contract #61F07) W. Daniel Crosson, PE Ryan Lindeman, PE	City of Rolling Meadows 3900 Berdnick Street Rolling Meadows, IL 60008 Aaron Grosskopf 847.963.0500	Kirchoff Road Resurfacing project was a multifaceted and complex resurfacing capital improvement project. The 5-lane arterial runs nearly 1 ½ miles from New Wilke Road to Hicks Road through residential neighborhoods, parks and recreational facilities, educational and municipal government institutions, and the central "main street" commercial district. Several large scale residential and commercial developments had been constructed adjacent to Kirchoff Road and the roadway was in need of repair. The project improvement limits include a bridge over Salt Creek, as well as access to and from IL Route 53 directly from Kirchoff Road. The project included over 55,000 SY of HMA surface removal down to existing concrete base, 2,400 SY of Class B patching, Salt Creek bridge deck rehabilitation, ADA sidewalk improvements, concrete curb and gutter repairs, raised concrete median replacement and realignment with decorative stamped and integrally colored concrete, over 10,000 tons of HMA resurfacing, and landscaping enhancements. Fee: $133,000
US RT 14 & Virginia Road Intersection Improvements W. Daniel Crosson, PE	City of Crystal Lake 100 W. Woodstock Street Crystal Lake, IL 60014 Abigail Wilgreen 815.356.3614	Project entailed the widening and resurfacing of US Route 14 through its intersection with Virginia Road and Virginia Rd southeast of its intersection. In addition to the project's roadway resurfacing, widening and traffic signal modernization, restriping combined with the installation of additional regulatory signage was installed along Virginia Road from the terminus of Virginia Road's resurfacing limits to Berkshire Drive to establish a dedicated on-road bike lane on either side of the roadway. The project encompassed the upgrade/ retrofitting of all public pedestrian crosswalks at the intersection of US Route 14 and Virginia Road to meet current ADA/PROWAG federal guidelines for accessibility. The traffic signal modernization improvements at the intersection of US Route 14 and Virginia Road was completed with pedestrian signals and LED illuminated street name signs. Storm sewer improvements and the construction of concrete medians within the southern and western sides of the tee intersection were also included in the projects improvements. Fee: $152,000
Annual Street Program Orion Galey, PE	Village of Elmwood Park 11 Conti Parkway Elmwood Park, IL 60707 Paul Volpe 708.452.3912	The annual paving project consists of resurfacing approximately two miles of residential and commercial streets within the Village. Resurfacing includes grind and overlay, full depth asphalt removal and replacement, partial sidewalk and curb and gutter removal and replacement, replacement of ADA handicap ramps, and storm structure and sewer repairs as necessary. Funding sources include local, MFT and STP. Fee: $150,000 (annual)

Harger Road Multi-Use Path & Water Main Project (IDOT Contract #61G55) Orion Galey, PE Scott Soderstrom, PE Razvan Calin	Village of Oak Brook Village Hall 1200 Oak Brook Road Oak Brook, IL 60523 Timothy O'Malley 630.368.5276	The creation of this multi-use path included grading and landscaping, bituminous path pavement, sidewalk construction, curb and gutter removal and replacement, water main construction, guardrail construction, pedestrian boardwalk and bridge construction, and all incidental and collateral work necessary to complete the project as shown on the plans. This multi-use transitioned from a path, to a boardwalk with precast concrete panels, and then to a steel bridge over Salt Creek. Fee: $170,000
Woodvale Avenue Reconstruction Kevin Wilson, PE	Village of Deerfield 465 Elm Street Deerfield, IL 60015 Tyler Dickinson, PE 847.719.7463	CBBEL performed preliminary and design engineering for the reconstruction of Woodvale Avenue, which is within a delineated floodplain and floodway of the Middle Fork North Branch Chicago River. This CBBEL-designed project included storm water management improvements within a flood plain and a full roadway reconstruction with more than 10,000 square yards of HMA roadway and aggregate base; more than 6,000 feet of curb & gutter; 15,000 square feet of PCC sidewalk; approximately 2,000 feet of storm sewer (ranging in diameter from 12 inches to 42 inches) with accompanying in-line check valves; and approximately 1,500 feet of new ditch construction complete with landscape architect designed native plantings. Fee: $187,000
Mount Prospect Levee 37 W. Daniel Crosson, PE William Schultz, EI	Village of Mount Prospect 1700 W. Central Road Mount Prospect, IL 60056 Sean Dorsey 847.392.6000	This project is intended to provide flood relief for low-lying residential areas within the Levee 37 interior drainage area. To achieve the desired level of protection, the Village is constructing approximately 17 acre-feet of underground flood storage at Aspen Trails Park and associated relief sewers along Aspen Drive. The proposed improvements provide flood reduction benefits to approximately 100 structures during the 100-year storm. The project is being coordinated with the River Trails Park District and will allow them to provide enhanced recreational benefits to the neighborhood. Fee: $330,000
Nicholas Dowden Park Stormwater Storage Project Kevin Wilson, PE Kevin Betke, PE	Village of Libertyville 118 West Cook Avenue Libertyville, IL 60048 Jeff Cooper 847.918.2105	The Village of Libertyville received grant funding to convert a local park into a temporary stormwater storage basin that will still function as a recreational facility when stormwater recedes. The current park was demolished and excavated down six to nine feet below grade (72,000 CY). Storm sewer of varying sizes up to 48 inches in diameter was installed along with elliptical pipe, eight-foot by three-foot box culvert and a ten-foot by 12-foot precast junction chamber to allow for adequate stormwater flow into and out of the basin. An underdrain system augmented by sand seams was installed to aid in drying out the basin after heavy rains. Park amenities were reconstructed in the basin including four softball fields, two ice rinks, batting cages and a storage building. Fee: $350,000

Des Plaines River Trail Segment 3 (IDOT Contract #61H87) Jason Souden, PE Mark Thomas, PE Owen Wattelle, PE	Forest Preserve District of Cook County 536 Harlem Avenue River Forest, IL 60305 Pamela Sielski 708-771-1355	As a result of increased rainfall, the Des Plaines River Trail has been flooded more frequently, limiting the ability for pedestrians and cyclists to utilize the trail year-round. CBBEL worked to improve the utility and reliability of the trail, including correcting minor geometric and clear zone deficiencies, with a portion of realignment to a new pedestrian overpass at the Lawrence Avenue crossing. More than 1,000 feet of trail within the Des Plaines River floodway and 100-year floodplain was placed on boardwalk. Eight hundred feet of the DPRT was shifted east of the existing alignment to provide a bench adjacent to the vertical drop-off. At the crossing of Lawrence Avenue, the DPRT was realigned east to a proposed pedestrian overpass. The DPRT will utilize/improve an existing DPRT connection trail for approximately 1,500 feet, with approximately 500 feet of the DPRT on new alignment to the overpass. A 10-foot-wide paved connection trail was constructed along the north side of Lawrence Avenue and the traffic signal at East River Road/Lawrence Avenue was modernized with pedestrian signal heads and new ADA compliant sidewalk ramps. Fee: $443,000
2022 Street Program Orion Galey, PE Daniel Schroeder, PE Patrick Kielty, PE Michael Clendening	Village of Niles 1000 Civic Center Drive Niles, IL 60714 Thomas Powers, PE 847.588.7920	The Village of Niles 2022 Street Improvement Program involved 2.4 miles of full depth pavement resurfacing, 1.2 miles of partial depth pavement resurfacing, 0.4 miles of alley pavement reconstruction, and 1400 LF of sidewalk infill. Utility improvements included the replacement of 13 drainage structures, 300 LF of storm sewer, and 219 drainage structure adjustments and reconstructions. Roadway resurfacing and reconstruction involved variable depths of hot-mix asphalt surface removal, preparation of base, aggregate base repair, 1.5” to 3.5” HMA base course, 1.5” HMA surface course, driveway removal and replacement, curb removal and replacement sidewalk removal and replacement in compliance with current ADA standards, landscape restoration, and thermoplastic pavement marking installation. The alley reconstruction included pavement removal, 4” aggregate base course, 10” PCC jointed pavement, and landscape restoration. There were several project complications including an aggregate producer strike delaying the start of work, an industry wide cement shortage halfway through construction and stakeholder coordination of sidewalk infill. Despite these challenges and the addition of work, the project was substantially completed in the 2022 construction season. Fee: $385,000

Lake Street Streetscape & Lighting Improvements Orion Galey, PE Edward Tarpey, PE Razvan Calin	Village of Bloomingdale 201 South Bloomingdale Road Bloomingdale, IL 60108 Jim Monkemeyer 630.671.5800	A stunning welcome sign constructed at Medinah Road now invites motorists into the Village of Bloomingdale, complete with large bowl planter on top, spacious planter box below, and up-lighting for visibility all hours of the day. As part of the streetscape, existing medians on Lake Street from Medinah Road to Bloomingdale Avenue were reconstructed with new curb and gutter and raised limestone precast planter boxes and ground level planters were built to house thousands of new plants and trees. Many mature trees existing on the medians were preserved in place as well. A fully automated irrigation system was constructed within the medians to easily maintain the landscaping. Outlets were placed throughout the project to provide electricity for winter lighting and up-lighting was installed for all mature trees. All metal halide street lights were also replaced with LED fixtures. Four pod planters were constructed along the north side of Lake Street, adding a significant aesthetic feature to the roadway. New light poles, masonry columns, planter bowls and ground level planting beds were installed along the recreational path from Euclid Avenue to Prairie Avenue. The existing storm sewer system along the median curbs was largely reconstructed, and additional storm sewer elements were incorporated to improve drainage in the area. Underdrains were installed to facilitate drainage within the planter boxes. New curb and gutter, and median surface were also constructed, giving the entire project a cohesive, clean appearance. Fee: $693,000
Main Street Reconstruction and Streetscape W. Daniel Crosson, PE Orion Galey, PE	Village of Algonquin 2200 Harnish Drive Algonquin, IL 60102 Clifton Ganek 847.658.2700 x4410	This project consisted of Phase I, II, and III Engineering for the reconstruction of Main Street with jointed PCC pavement from the IL 31 South Junction to the IL 31 North Junction, a distance of approximately 1.1 miles. The Western Algonquin Bypass (IL 31) was opened in the Fall of 2014, and Main Street (Old IL 31) was jurisdictionally transferred to the Village of Algonquin. The purpose of the Main Street improvements is to reconstruct the roadway based on reduced traffic volumes and to address deficient pavement condition, address sidewalk and bike path gaps, and to provide an integrated Algonquin downtown center south of IL 62 which is friendly to pedestrians, slows passenger vehicles, and encourages truck traffic to use the IL 31 Bypass. Fee: $727,000

MAIN STREET RECONSTRUCTION & STREETSCAPE | ALGONQUIN

Transmission Main Project Kevin Wilson, PE Vincent Wroblewski, EI Andrew Bourke, EI	Village of Lincolnwood 6900 N. Lincoln Avenue Lincolnwood, IL 60712 John Welch Public Works 847.675.0888	The Village of Lincolnwood switched water suppliers from the City of Chicago to the City of Evanston in order to save on wholesale water costs. The switch required the installation of approximately three miles of transmission main from the Lincolnwood reservoir to a new Evanston meter vault on Oakton Avenue. Additional improvements during the transmission main installation included replacement of aging distribution mains, various sewer replacements and lining, roadway patching, and roadway resurfacing. Overall, this project required the installation of approximately 14,900 LF of 20-inch ductile iron water main, 4,000 LF of eight-inch water main, and 500 LF of horizontal directional drilling of 24-inch HDPE water main. Major activities during the project included steel casing installation under Lincoln Avenue and the CTA tracks; directional drilling of water main under McCormick Boulevard and the North Shore Channel; and improvements to the Lincolnwood reservoir to allow a new connection. Fee: $900,000
Chicago Avenue/Sheridan Road Improvement Project Kevin Wilson, PE Andrew Bourke, EI	City of Evanston 2100 Ridge Avenue Evanston, IL 60201 Sat Nagar 847.328.2100	Improvements consisted of resurfacing Chicago Avenue and reconstructing Sheridan Road in the City of Evanston. The net length of improvements was 1.87 miles constructed from Spring 2017 to Fall 2018. Chicago Avenue construction included HMA resurfacing with new traffic signals and a protected bike lane. Sheridan Road construction in 2017 included 3 to 4 lanes of PCC reconstruction with new protected bike lanes and traffic signal improvements. Sheridan Road construction in 2018 included 3,000 LF of water main replacement and roadway resurfacing. New items related to the protected bike lanes included bicycle traffic signals and radar detection. Additional work included new traffic signals at four intersections, ADA improvements, storm sewer replacement, and landscaping. Fee: $980,000

CHICAGO AVENUE/SHERIDAN ROAD IMPROVEMENT PROJECT | EVANSTON

SERVICES OFFERED

STORMWATER ENGINEERING

PROJECT NAME/ PROJECT MANAGER	CLIENT/ REFERENCE	SCOPE OF IMPROVEMENTS
Phase I Studies for Various Drainage Projects, PTB 204/15, P91-050-22 Jonathan O'Connell, PE Edmund Burke, PE	Illinois Department of Transportation 201 West Center Court Schaumburg, IL 60196 Perry Masouridis 847-705-4474	Since 2022, CBBEL has provided Phase I engineering services for preparing Drainage Studies, Hydraulic Reports, Phase I Preliminary Engineering & Environmental Studies, along with Program Management services for various locations within District One under the above referenced contract. These services include: • Data Collection, Field Investigation, and Storm Sewer Televising as required • Route Surveys, Stream Surveys, and Survey note reduction/plotting • Drainage Investigation (DI), determination of drainage systems, and establishing drainage patterns • Preparation for, coordination with, and presentation to public and other agencies • Development and evaluation of cost effective alternatives in accordance with the DEPARTMENT Standards • Preparation of Proposed Drainage Plans (PDP), exhibits, and supporting documents/computations • Location Drainage Study (LOS) and LOS Report Checklist • Hydraulic Report (HR) and HR data sheet for structures over waterway crossings and Pump Stations • Location/Design Studies (various scope up to and including Reconstruction/Major Rehabilitation) • Drain Tile Surveys
Phase I Studies for Various Drainage Correction Projects and a Project Manager, PTB 179 / Item 7, P-91-224-16 Jonathan O'Connell, PE Edmund Burke, PE	Illinois Department of Transportation 201 West Center Court Schaumburg, IL 60196 Perry Masouridis 847-705-4474	CBBEL has been a Program Management Consultant for IDOT - Hydraulics since 2016. Under this contract, CBBEL has provided in-office staffing to assist IDOT with various work orders, primarily handling permit reviews. CBBEL has assisted with reviewing permit submittals such as development plans and Drainage Connection Checklists, prepared review comment correspondence, and coordinated with IDOT staff. Other work orders under this contract have included coordination of activities for sewer cleaning and televising, various Drainage Investigation (DI) assignments, and Phase 1 reports for two projects: Dixie Highway in Homewood and Illinois Route 64 in Melrose Park. The Dixie Highway study required finding a solution to a recurring flooding problem at a railroad viaduct. The Illinois Route 64 project required coordination with pump station improvements developed by others. CBBEL is the Prime Consultant for this contract and has worked in conjunction with out subconsultant team.

I-290 Location Drainage Study, IDOT PTB 157 / Item 1, P91-597-10 Jonathan O'Connell, PE Edmund Burke, PE	Illinois Department of Transportation 201 West Center Court Schaumburg, IL 60196	CBBEL was retained by IDOT to prepare Phase I engineering studies and environmental services for the reconstruction of I-290 (Eisenhower Expressway) from U.S. Route 12/20/45 (Mannheim Road) to IL Route 50 (Cicero Avenue) in Cook County as part of the WSP team. Phase I Design Approval was received in 2016. CBBEL was responsible for the preparation of a Location Drainage Study, Hydraulic Reports for I-290 Bridge over Addison Creek and Des Plaines River and an addendum to Pump Station # 4 Hydraulic Report. Extensive data collection was completed to supplement the survey to fully understand how the existing network functions. We developed multiple drainage alternatives to satisfy the multiple municipal flooding concerns. Extensive coordination was needed throughout the 6-mile corridor with many agencies, stakeholders, and municipalities.
I-55 Managed Lane Project (From I-355 TO I-94); IDOT PTB 158 / Item 2, P-91-762-10 Jonathan O'Connell, PE Edmund Burke, PE	Illinois Department of Transportation 201 West Center Court Schaumburg, IL 60196	CBBEL was part of the Stantec Engineering team selected by IDOT to prepare Phase I Engineering and Environmental Studies for the I-55 Managed Lanes project. The Phase I environmental studies included preparation of an Environmental Assessment (EA) for which a FONSI was approved by the Federal Highway Administration (FHWA) on July 20, 2016. CBBEL prepared 5 Hydraulic Reports and two Pump Station Hydraulic Reports for Pump Station 30. CBBEL also assisted with the preparation of a Federal Categorical Exclusion (CE) report, which expanded the original concept to provide two managed lanes in each direction for a portion of the project. The CE report was approved in 2018.
88th / Cork Avenue Interchange at I-294, Justice, Illinois Jonathan O'Connell, PE Edmund Burke, PE	Village of Justice Village Hall 7800 Archer Road Justice, IL 60458 Matt Zarebczan 708- 458-2520	CBBEL was selected by the Village of Justice to complete Phase I and II engineering services for a new interchange connecting I-294 with 88th/Cork Ave., 79th Street and Archer Avenue (IL Route 171). A Location Drainage Study was completed as part of the Phase I study. Three interchange alternatives were considered during phase I with Drainage being a critical component of each. Both Phases of the engineering design required ongoing coordination with IDOT, Illinois Tollway, Cook County, the Village of Justice, and MWRD for permitting.

143rd Street (IL Route 7) Reconstruction, Village of Orland Park, P-91-388-10 Jonathan O'Connell, PE Edmund Burke, PE	Village of Orland Park 14700 S. Ravinia Avenue Orland Park, IL 60462 708-403-6100	CBBEL completed Phase I Engineering on behalf of the Village of Orland Park to reconstruct and widen this existing two-lane section of 143rd Street to provide 2 lanes in each direction separated by a median area to accommodate turning traffic. Related improvements will be made on Wolf Road (County Highway 23) and Southwest Highway (IL Route 7). CBBEL prepared a Location Drainage Study, Hydrologic and Hydraulic studies, and a Hydraulic Report for Long Run Tributary A. CBBEL evaluated multiple drainage alternatives within the corridor to satisfy IDOT, the Village of Orland Park, The Forest Preserve District and other stakeholders. Multiple detention and compensatory storage designs were explored to ensure all parties were satisfied with the final design.
North Avenue (IL Route 64) at I-290/I-294, IDOT Jonathan O'Connell, PE Edmund Burke, PE	Illinois Department of Transportation 201 West Center Court Schaumburg, IL 60196	CBBEL was contracted to perform a detailed drainage investigation of the existing North Avenue drainage system at the I-290/I-294 interchange. The study was prompted by recurring flooding of two North Avenue underpasses that close the roadway for several hours at a time. CBBEL prepared an XP-SWMM model of the existing drainage system and calibrated the model using real-time rainfall data from recent flooding events and known high water marks. The existing conditions analysis found that the existing stormwater conveyance and storage system provides a 2-year level of flood protection. Using the existing conditions XP-SWMM model as a baseline, CBBEL designed a proposed stormwater conveyance and storage system for the area to improve the level of flood protection at the North Avenue underpasses while maintaining downstream water surface elevations and flowrates. A network of proposed flood storage basins within the IDOT ROW was designed along North Avenue to provide additional storage for flood waters during intense storm events. The existing storm sewer system was enhanced to more efficiently convey stormwater runoff to the new flood storage basins. The proposed design provides a 100-year level of flood protection for North Avenue pavement.
IL 53 from IL 62 (Algonquin Road) to US 12 (Rand Road), IDOT PTB 186 / Item 3, P-91-014-18 Jonathan O'Connell, PE Edmund Burke, PE	Illinois Department of Transportation 201 West Center Court Schaumburg, IL 60196	CBBEL completed Phase I engineering and environmental studies for IDOT's proposed IL 53 improvements in Cook County as part of the RS&H team. This project included preparation of studies for rehabilitation of 14 existing bridge structures and proposed drainage improvements along the IL 53 corridor. CBBEL's work included wetlands/waters impact evaluations, bridge condition reports, hydraulic studies, and QA/QC reviews. CBBEL prepared Hydraulic Studies for four waterway crossings, including Waterway Information Tables (WITs) and bridge scour analyses based on HEC-RAS steady state modeling. CBBEL completed a Location Drainage Study based on a prior IDOT Drainage Investigation to address local flooding adjacent to IL 53. Based on current survey data, CBBEL updated the existing and proposed XP-SWMM modeling and prepared the existing and proposed drainage plans (EDP/PDP).

Elmhurst Comprehensive Flood Plan Jonathan O'Connell, PE Edmund Burke, PE	City of Elmhurst 209 N. York Street Elmhurst, IL 60126 Jim Grabowski 630-530-3000	The City of Elmhurst retained CBBEL to complete a flood study of thirteen independent areas that experienced flooding during the major storm events of June 2010, July 2010, and April 2013. For each study area, CBBEL developed XP-SWMM stormwater models to simulate and verify the existing drainage conditions. Real-time rainfall data and surveyed high water elevations were used to calibrate the models to past storm events. Proposed improvements were developed for each area to provide a 100-year level of flood protection for each area. These improvements consisted of inlet capacity improvements, the construction of relief sewers, and the creation of above- and below-ground detention facilities. The expansion of existing IDOT detention basins was identified as a solution for sever street flooding along York Street at I-290. The overall study was summarized in a project report and presented to the City in a public presentation. Several of CBBEL's recommended drainage improvements from this study have been constructed.
BNSF Railway Bridge Replacement over I-294 (Central Tri-State Tollway) Jonathan O'Connell, PE Edmund Burke, PE	Illinois State Toll Highway Authority 2700 Ogden Avenue Downers Grove, IL 60515	CBBEL completed Master Plan and Phase II design services for the BNSF bridge replacement. This $96 million project allows improved traffic capacity and driving experience through one of the busiest sections of the Tollway. CBBEL was the Drainage Lead and provided additional design and permitting services as part of the Gannett Fleming team. The Illinois Tollway replaced the BNSF triple-track railway bridge over I-294 between Hinsdale and Western Springs with a higher and longer bridge to accommodate Tollway widening. To maintain railway capacity of approximately 156 trains per day, a temporary three-track shoofly bridge was constructed south of the existing bridge. The railway alignment and vertical profile were constrained by existing waterways and nearby Metra stations. The project abuts parks in three quadrants, with a public works facility in the other quadrant. Extensive coordination with local agencies was undertaken to minimize impacts, facilitate adjacent local projects, and provide aesthetically pleasing results while meeting design and permitting requirements. Master Plan Drainage Design included preparing waterway analyses, floodplain encroachment evaluation, drainage alternatives, detention analysis, ditch and storm sewer design, right-of-way evaluation, and existing and proposed 30% drainage plans. Phase II Drainage Engineering included completing final calculations and plans, specs, and estimates (PS&E) for all temporary and permanent drainage and erosion control features, including waterway enclosure, compensatory storage facility, and wall drainage systems, and obtaining required permits from IDNR-OWR, MWRD, IEPA, and FAA.

I-294 Industrial Park Jonathan O'Connell, PE Edmund Burke, PE	Village of Franklin Park 9500 Belmont Avenue Franklin Park, IL 60131 Mayor Pederson 847-871-4800	The I-294 Industrial Park has experienced flooding in both large and smaller storm events. The Elgin O'Hare Western Access (EOWA) expansion is proposed to traverse through the Village of Franklin Park (Village) parallel to the Union Pacific Railroad (UPRR). As part of this expansion, the Village requested that IDOT complete a stormwater analysis of the existing industrial area to determine what measures could be taken to reduce flooding. This study expanded on a previous study using additional survey data and the 2008 Cook County 1-foot topography to evaluate the existing drainage system, establish causes of flooding and provide concept level improvements to reduce the risk of future flooding. Additionally, this study was performed to complement the drainage study for the entire EOWA corridor and to compute detention storage volume requirements and locate areas to provide this storage volume. The concept level improvements were developed based on detailed hydrologic and hydraulic analysis using the XP-SWMM computer modeling program. CBBEL prepared an existing and proposed conditions XP-SWMM model of the drainage system. The conclusion of this analysis is to construct approximately 103 acre-feet of storage volume (including the EOWA detention), large diameter conveyance sewers, a backflow preventer at Silver Creek, upgrades to an existing pump station, and a new pump station. The new pump station includes a SCADA system to monitor the elevation of Silver Creek to control the pump rate depending on the existing flood levels downstream.

Elmhurst Comprehensive Flood Plan Jonathan O'Connell, PE Edmund Burke, PE	City of Elmhurst 209 N. York Street Elmhurst, IL 60126 Jim Grabowski 630-530-3000	The City of Elmhurst retained CBBEL to complete a flood study of thirteen independent areas that experienced flooding during the major storm events of June 2010, July 2010, and April 2013. For each study area, CBBEL developed XP-SWMM stormwater models to simulate and verify the existing drainage conditions. Real-time rainfall data and surveyed high water elevations were used to calibrate the models to past storm events. Proposed improvements were developed for each area to provide a 100-year level of flood protection for each area. These improvements consisted of inlet capacity improvements, the construction of relief sewers, and the creation of above- and below-ground detention facilities. The expansion of existing IDOT detention basins was identified as a solution for sever street flooding along York Street at I-290. The overall study was summarized in a project report and presented to the City in a public presentation. Several of CBBEL's recommended drainage improvements from this study have been constructed.

Crystal Avenue/Terrace View Pond Jonathan O'Connell, PE Edmund Burke, PE	Village of Lombard 255 E Wilson Avenue Lombard, IL 60148 Matthew Lew 630-620-5700	Crystal Avenue is a residential street in the Village of Lombard with a severe roadway sag that experiences frequent flooding. Several homes adjacent to the roadway sag have flooded repeatedly, and the road is frequently impassable during storm events. CBBEL had previously completed widespread modeling efforts in this area of Lombard, and the Village retained CBBEL to use this modeling information to develop a solution to the problem on Crystal Avenue. CBBEL's solution was to construct a relief sewer from the roadway sag into the nearby Terrace View Pond, a recreational pond set in the middle of a small Village Park. To use Terrace View Pond as a stormwater basin, the normal water elevation needed to be lowered so that flood waters could be stored on its surface. The project included construction of a 1500 gal/min capacity pump station to lower the pond's water level and keep it at the desired elevation. Lowering the water level creates 8 ac-ft without requiring excavation. The pump station is programmed so that it only pumps during dry weather; during a storm event, the pump shuts down to minimize downstream discharge and to utilize the newly created storage.
Maycliff Subdivision Drainage Improvements Jonathan O'Connell, PE Edmund Burke, PE	Village of Orland Park 14700 S. Ravinia Avenue Orland Park, IL 60462 708-403-6100	Maycliff is a residential subdivision located south of 143rd Street near 87th Avenue in the Village of Orland Park with historic flooding problems. One of the flooding problems was an undersized detention basin on the north side of 143rd Street, which would overflow in major events, causing street flooding on 143rd Street and residential flooding within the subdivision. The Village of Orland Park retained CBBEL to develop a plan for reducing flooding in this area. CBBEL utilized XPSWMM stormwater modeling to propose a 60" relief sewer that conveys excess stormwater into a nearby Village-owned stormwater basin.
Village of Arlington Heights Flood Study Jonathan O'Connell, PE Edmund Burke, PE	Village of Arlington Heights 33 S. Arlington Heights Road Arlington Heights, IL 60005 Mike Pagones 847-368-5000	The Village of Arlington Heights retained CBBEL to complete a flood study of seven independent areas that experienced flooding during a major storm event in July of 2011. For each area, XP-SWMM stormwater models were developed to simulate and verify the existing drainage conditions. Proposed improvements were developed for each area to alleviate flooding. The alternatives ranged from simple green infrastructure solutions to address small flooding problems, to inlet capacity improvements to reduce street ponding, to extensive relief sewer system including above- and below-ground detention facilities. The overall improvements were summarized in a project report and presented to the Village in a public presentation. This study is ongoing and none of the improvements are under design or construction at this time.
City of Park Ridge Flood Program Jonathan O'Connell, PE Edmund Burke, PE	City of Park Ridge 505 Butler Place Park Ridge, IL 60068 Sarah Mitchell 847-318-5200	The City of Park Ridge experienced widespread flooding following the September 2008 storm event and in several subsequent major storms. The City has retained CBBEL for several studies to analyze its sewer system and to develop improvement projects. In 2010, CBBEL developed an InfoSWMM sewer model of the City's entire combined sewer system. This model included over 160 miles of sewers over two sewer systems, each with discharge to the MWRD's TARP system and combined sewer overflows to the Des Plaines River. As a result of this study, a program of ten sewer improvement projects was developed to reduce flooding within the City. To date, seven of these projects have been constructed.

SERVICES OFFERED

ENVIRONMENTAL RESOURCES

PROJECT NAME/ PROJECT MANAGER	CLIENT/ REFERENCE	SCOPE OF IMPROVEMENTS
Wetland Delineation, Regulatory Permitting and Wetland Mitigation Design Julie R. Gangloff, CWS Jedd Anderson, PWS Megan C. Briggs, CWS Thomas J. Kehoe, CWS, CPESC Adam Janicki, DECI Ryan Heller Abby Brown		CBBEL is extremely qualified in wetland delineations and permitting. Over the last 34 years, CBBEL has completed wetland delineations on more than 1,000,000 acres of land as part of completing more than 9,200 wetland delineations and supporting reports. Over the last 3 years, we have completed more than 700 Delineations and submitted approximately 250 US Army Corps of Engineers (USACE) applications. Our internal environmental team will proactively assess, engage, and communicate impacts, issues, or concerns to keep the Tollway and their other contract teams well informed. ***CBBEL Preparation of Wetland Determinations and Delineations*** - Services by the consultant team include the completion of wetland delineations, vegetation assessments and mitigation design that will comply with the USACE regulations under Section 404 of the Clean Water Act, the Illinois Department of Natural Resources (IDNR), the Environmental Protection Agency (IEPA), and local regulations. Wetland permitting is always a critical element of any project, as the timing of permits can greatly impact letting or construction schedules. We will strongly recommend early coordination with the agencies. We know from experience that early engagement will help the process along. Reviewers will feel engaged and part of the overall effort. CBBEL is on a first name basis with all the stakeholder agency reviewers, having processed hundreds of applications through the various reviewers over the years. Wetland delineations will be completed using the methodology established by the USACE 1987 Wetland Delineation Manual and the 2010 Midwest Regional Supplement. During the field visits, detailed vegetation assessments will be completed, and wildlife and plant community qualities will be assessed. Staked wetland boundaries will be located with a sub-meter Global Positioning System (GPS) hand-held unit to present the identified wetland limits with respect to the project location. If necessary, the staked wetland limits can be professionally field surveyed by our in-house survey crews to locate critical areas accurately on plans. ***Preparation of Supporting Wetland Documents and Reports*** - The results of the field reconnaissance and vegetation assessments will be summarized in letter reports formatted in accordance with USACE requirements. All of the reports will include an Executive Summary and references to findings and identified issues to allow quick review. Reports will include the wetlands' quality ratings, according to the Swink and Wilhelm Methodology (1994), along with exhibits depicting the approximate wetland and project boundaries, National Wetland Inventory (NWI), soil survey, floodplain, USGS topography, site photographs and their locations, and the USACE On-Site Data Forms.

Regulatory Permit Applications

Julie Gangloff, CWS
Jedd Anderson, PWS
Megan Briggs, CWS
Thomas Kehoe, CWS, CPESC
Adam Janicki, DECI
Abby Brown
Ryan Heller

CBBEL is experienced in Local, State and Federal permitting and Agency Coordination.

Over the last five years, CBBEL has worked with all Chicago District permit reviewers and consequently, CBBEL staff have relationships with all regulatory staff; having obtained hundreds of Section 404 permits from the District. These permits have included varying scopes of work including roadway, electrical distribution, directional boring of underground distribution cable, Section 10 crossings (both for electrical and fiber optic), transmission line rebuilds, substation expansions, security fence installations, solar developments, access road construction, drainage improvements that impact wetland and streambank stabilization for structure protection, commercial, residential, municipal, county and State.

- CBBEL has obtained well over 3,000 USACE Permits over the last 34 years. CBBEL has prepared and submitted some of the largest wetland impact permit applications in northern Illinois, for example:
  - CBBEL obtained the Section 404 permit for the O'Hare Airport Modernization Program (OMP) with +/-140 acres of wetland impact.
  - CBBEL was the principal wetland consultant for the EOWA Tollway, which required +/- 25 acres of wetland impact.
  - 2000-acre Deer Run Industrial Park located within the former Joliet Arsenal.
- CBBEL is adept at permitting on the State, County and Municipal level. CBBEL applies for and receives about 100 permits each year for wetland, waters and buffer impacts from a variety of agencies.
- CBBEL has been the author of several County and Municipal Ordinances and Technical Guidance Manuals regarding stormwater, wetland, and buffer regulations. Since CBBEL staff perform reviews at the County and Municipal level for approximately 48 agencies, which includes MWRD, we are also well versed in the needs of the review agencies.
- Our staff have been with CBBEL on average more than 15 years and have developed great relationships over the years.
- CBBEL works closely with several forest preserve districts, park districts, and conservation groups, helping to facilitate trust and honest reviews and engagement regarding teaming arrangements or license needs.
- Project wetland scientists will coordinate with project design engineers to determine the quantity of temporary fill and permanent impact associated with each wetland or waterway. The quantity and type of impact is used to determine the appropriate regulatory permitting strategy.

Zion Nuclear Generating Station Decommissioning, Zion Solutions, City of Zion Jedd Anderson, PWS	Zion Energy Solutions 101 Shiloh Blvd. Zion, IL 60099 Darlene Murphy 224.789.4067	Project Manager and lead National Pollutant Discharge Elimination System (NPDES) consultant for decommissioning, demolition and removal of nuclear power plant. Responsible for preparing final site grading plans, final site stabilization, all SESC-NPDES inspections and design, and U.S. Army Corps of Engineers and Lake County Stormwater Permitting for the $1 Billion project. Also designed the successful decommissioning of the plant forebay which previously brought freshwater into the generating station from Lake Michigan; a significant backfilling operation that risked sediment release into the Lake. • Permitting for Demolition of the ComEd Zion Substation • Zion Solutions Design and Permitting Services • Zion Solutions Facility NPDES Permits for Demolition. Included 7 years of Site NPDES Compliance and reports required under IEPA ILRID Permit • Wetland and Floodplain Mapping to assist in Final Site Grading Plan • Final Site Restoration Grading Plan • Stator-Rotor Transfer DECI Consulting Design, Permitting and Observation for Beach Bridging to Move Stator Rotor • Final Site Grading Plan Design, Permitting, NPDES, and Construction Observation Fee: $447 thousand

Lincoln Park Conservancy and Chicago Park District – North Pond Restoration Lee Fell, PE Project Manager Jedd Anderson, PWS Environmental Design, Permitting, and Construction Observation	Lincoln Park Conservancy 2430 N. Cannon Drive Chicago, IL 60614 Doug Widener (Former) Executive Director Interim Contact: Britt Uhlenhake, Manager of Marketing & Development 773.883.7275	Lincoln Park Conservancy (LPC) North Pond Project in the City of Chicago was part of the LPC Master Plan to dredge North Pond to improve the good health and ecological habitats. It included presentations to various stakeholders including the Chicago Park District, LPC Board and residents in the area. The project included: • Dredging accumulated sediment from North Pond. • Create approximately 25% of the pond area to be approximately 8-feet in depth with various shoreline restorations. • Installation of an underdrain system to improved drainage and maximize the tributary drainage area to the North Pond for improved hydrology. • Installation of an automatic float for make-up water from the City's potable water source with removal of chlorine and fluoride. • Aerators (self-weighted type with air line tubing and land-based compressor cabinets) to provided dissolved oxygen into the water via self-weighted tubing and coarse bubble diffusers. • Placement of logs to enhance wildlife habitat and usage of the pond. • Construction observation. Permits for the project include: • USACE • MWRD • IEPA • City of Chicago and • Chicago Park District. Fee: $727 thousand

Lake County Stormwater Management Commission – Marguerite Lane Ravine and Streambank Stabilization Project Darren Olson, PE Project Director Lee Fell, PE QA/QC Jedd Anderson, PWS Design & Environmental Permitting	Lake County Stormwater Management Commission 500 W. Winchester Road Suite 201 Libertyville, IL 60048 Ernesto Huaracha 847.377.7700	Bull Creek is conveyed through a ravine system east of Sheridan Road and west of Illinois Beach State Park. Over an extended period of time, the 36-foot-tall ravine embankment at 9950 and 9968 Marguerite Lane had experienced severe/ catastrophic erosion, impacting private property and existing residential structures. The decks and patios of the two homes were caving into the ravine and the homes were at grave risk as well. Consequently, the houses/properties were purchased because it would be impossible to stabilize the ravine with the homes in place, without significantly damaging adjoining properties. CBBEL was contracted to complete design and permitting of the project. As a partner to the Lake County Stormwater Management Commission, CBBEL performed the stormwater analysis and prepared design plans to stabilize the existing ravine and reduce the risk of future erosion. Permitting through the U.S. Army Corps of Engineers and the Lake County Stormwater Management Commission was required as part of the proposed improvements. Hydraulic modeling was performed to determine the range of stormwater flow velocities through this section of Bull Creek and verify that the proposed improvements did create any upstream or downstream adverse impacts. The results of the analysis were also used to perform a compensatory storage analysis to verify the project met the requirements of the Watershed Development Ordinance. Services included: • Topographic Survey, Design • Hydraulics and Hydrology • Permitting (USACE and LCSMC) • Part Time Construction Observation • CBBEL coordinated geotechnical borings completed by Testing Service Corporation. Fee: $51,000

GPS Data Collection Julie Gangloff, CWS Jedd Anderson, PWS Megan Briggs, CWS Adam Janicki, DECI Abby Brown Ryan Heller Ken Kopija Dave Walters		CBBEL uses state-of-the-art GPS technology that can be converted to any format needed for a particular project. CBBEL's GIS and CAD teams are fully integrated and routinely convert and transfer data between various programs. CBBEL has created large GIS databases for a variety of Municipal, County, and State Agencies, including the Tollway Water Quality Database. CBBEL's technical abilities allow our team to survey plant communities and locations of completed maintenance practices with Tremble GPS accuracy and create exhibits in ArcView, ArcInfo, and ArcGIS. The exhibits created by our GIS staff will be included in applicable USACE annual reporting and stakeholder meetings to document Tollway environmental commitments and permit compliance. CBBEL has aerial drone programs that are capable of providing high quality aerial images, detailed topographic surveys, time lapse photography of site progress, and 3-D photographic imaging of landscapes and objects that can be manipulated in 3-dimensional computer/CAD environments. These state-of-the-art graphics can be animated for public/private presentations. Our team retains an active communication strategy to ensure all pertinent project information is disseminated to the various design teams. Our Team is now fully integrated with Microsoft Teams, Zoom and WebEx (State of Illinois). Within seconds, we can call meetings, share documents, and immediately address issues and concerns. Additionally, we will attend in-person meetings as needed to personally discuss projects when remote interaction will not be as productive as an in-person meeting. Our Team will likewise engage with other design firms to ensure pertinent information from their projects is reflected in our work effort and permit application packages, and vice versa.
Environmental / Feasibility Studies Jedd Anderson, PWS Thomas Kehoe, CWS, CPESC Thomas McArdle, CWS, CPESC		CBBEL is IDOT-prequalified for completion of Environmental Impact Statements (EIS) and Environmental Assessments (EA). CBBEL has completed hundreds of feasibility studies over the years for private and public-sector clients. CBBEL has comprehensive 3-D visualization qualifications which can create high quality visual aids rendered for use in public forums. CBBEL is adept at developing projects from concept and alternative evaluation, all the way through to final engineering and construction observation.
Various Noise Studies Jedd Anderson, PWS Peter Knysz, CWS, CPESC		CBBEL is IDOT-prequalified to complete traffic noise studies. CBBEL has completed numerous studies for IDOT, the Tollway, and local Counties and Municipalities. Staff are current on the Illinois Tollway Environmental Studies Manual, the IDOT Highway Traffic Noise Assessment Manual, as well as the Tollway's and IDOT's traffic noise policies and FHWA regulations. CBBEL has also completed multiple noise report reviews, prepared reports, and presented opinions and recommendations regarding findings. The traffic noise evaluations generated through this contract may be full traffic noise studies for a Type I project or may be generated through a noise complaint by a local resident along the Tollway system but nowhere near a proposed improvement.

Conductive Vegetative Management Activities Jedd Anderson, PWS Eric Japsen, PWS, CWS, CPESC Robert Sliwinski Ryan Heller		CBBEL has the capability to complete maintenance of natural/native areas. CBBEL has a highly experienced professional staff that are state licensed for the application of pesticides (herbicides). Under previous contracts, CBBEL provided the physical labor to maintain and monitor natural/native vegetation. Under this contract, CBBEL will oversee all work, direct and schedule crews, and monitor sites as directed. CBBEL will coordinate with experienced landscape contractors who are seasoned in the maintenance of natural areas and have the equipment and crews necessary to effectively treat areas of concern.
Environmental Inspectors Jedd Anderson, PWS Thomas Kehoe, CWS, CPESC Megan Briggs, CWS Adam Janicki, DECI Abby Brown Ryan Heller		CBBEL is extremely qualified in all facets of the NPDES Program Requirements, having performed these services for the Tollway, IDOT and numerous other entities. • In the past 5 years, CBBEL has prepared Storm Water Pollution Prevention Plans (SWPPPs) for over 150 construction sites, including Tollway and IDOT sites, electrical overhead transmission lines, electrical substations, federally and locally funded transportation routes, commercial developments, residential developments, and civil infrastructure improvements in Illinois. CBBEL's staff maintain professional certifications related to SWPPP preparation and SESC execution. • In the past 5 years, CBBEL has obtained NPDES permits for over 150 construction sites, including electrical overhead transmission lines, electrical substations, federally and locally funded transportation routes, commercial developments, residential developments, and civil infrastructure improvements in Illinois. In addition to obtaining NPDES permits for construction activities, CBBEL manages the inter-agency coordination that occurs between State, Federal, and local agencies during the NPDES permitting process, including historic preservation, threatened and endangered species consultations, and municipal separate storm sewer systems (MS4s) reviews. CBBEL staff are experts in using the Illinois Environmental Protection Agency's Central data Exchange (CDX) online portal during the NPDES permit application process. • CBBEL has 11 Certified Professionals in Erosion and Sediment Control on staff. CBBEL staff are well versed in the design and implementation of simple to complex soil erosion and sediment control practices, having assisted municipalities, private developers and electric companies in maintaining compliance with local, state and federal permits.

ENVIRONMENTAL RESOURCES ADDITIONAL PROJECTS

PROJECT NAME	CLIENT	FEE
$0 TO $99,000		
Environmental Review Services	18 Municipal & County Agencies	Various
Ryerson Woods Hydrologic Restoration	Lake County Forest Preserve District	$80,000
Orland Park Pond Study	Village of Orland Park	$75,000
Wheeling Pond Study	Village of Wheeling	$72,000
Native Area & Wetland Area Maintenance	Village of Addison	$16,999
Wetland Review Services	MWRDGC	$15,330
Salt Dome Vegetation Maintenance & Monitoring	City of West Chicago	$14,131
$100,000 to $299,000		
Longmeadow Parkway	Kane County Division of Transportation	$119,181
NPDES Services Provenance Subdivision	Red Seal Development	$146,683
Cedar Lake Restoration	Town of Cedar Lake	$207,780
$300,000 to $500,000		
Re-Establish Crystal Creek Final Engineering	City of Crystal Lake	$335,806
$500,000 and above		
Environmental Services Upon Request	Illinois Department of Transportation	$1,000,000

* *Additional information for each project available upon request.*

SERVICES OFFERED

LIGHTING/ELECTRICAL ENGINEERING

PROJECT NAME/ PROJECT MANAGER	CLIENT/ REFERENCE	SCOPE OF IMPROVEMENTS
Rand/Central/Mount Prospect Roads Roadway Lights Anthony DeRicco, PE, LC	Village of Mount Prospect Matt Lawrie 847-870-5640	About 6000' of lighting improvements included removal of existing lighting as well as installation of 47 new cobra-head type light poles and 1 new lighting controller. New light poles were 40' tall with 180W cobrahead type LED luminaires, GFCI receptacles and banner arms. Photometrics included four different roadway cross sections and nine signalized intersection calculations. Fee: $37,000
City Center Lighting Anthony DeRicco, PE, LC	City of Crest Hill Ron Weideman 815.741.5122	The improvements consisted of design and construction of 5,400 feet of roadway lighting around the Crest Hill municipal building. The lighting design included 28 decorative light poles, 9 remote receptacle cabinets for events, and a new lighting controller. Decorative poles are a mix between 18' poles and 30' poles. Fee: $96,000
Howard Street Lighting Anthony DeRicco, PE, LC	Village of Niles Joseph LaMargo 847.588.8000	The improvements consisted of design and construction of 2,900 feet of roadway lighting. The lighting design included 37 decorative light poles and a new lighting controller. Decorative poles are 30' tall with provisions to attach many accessories. Fee: $50,000
LED Street Lighting Replacement Anthony DeRicco, PE, LC	Village of Tinley Park John Urbanski 708.444.5000	The Village of Tinley Park maintains approximately 4,000 street lights including cobra heads and numerous types of decorative fixtures. The Village-wide conversion is comprised of several phases. Phase 2 included converting 247 250W HPS luminaires with 111W LED luminaires and 130 400W HPS luminaires with 120W LED luminaires. Phase 3 includes converting approximately 262 250W HPS luminaires with 111W LED luminaires and approximately 138 400W HPS luminaires with 120W LED luminaires. Fee: $30,000
LED Street Lighting Replacement Anthony DeRicco, PE, LC	Village of Shorewood Noriel Noriega 815.725.2150	Approximately 171 existing 250W HPS luminaires were removed and replaced with 120W LED luminaires; 21 existing 310W HPS luminaires were removed and replaced with 120W LED luminaires; and 8 existing 400W luminaires were removed and replaced with 278W LED luminaires. Twenty-one (21) existing decorative 70W HPS luminaires were retrofitted and converted into 40W LED fixtures using the existing housing. The project was located on two state routes requiring permitting through IDOT. Fee: $40,000
The Boulevard LED Roadway Lighting Anthony DeRicco, PE, LC	Village of Plainfield Randy Jessen 815-230-2030	The 4,200' of roadway lighting design included a total of 36 light poles and 1 new lighting controller. The light poles were 35' fluted poles with a 160W LED roadway type luminaire and twin 20W decorative luminaires. Photometric calculations were performed for the four roadway cross sections. Fee: $25,000

LED Street Lighting Conversion Anthony DeRicco, PE, LC	Village of Chicago Ridge Stanley Barwock 708.425.7700	Approximately 18,000 feet of roadway and street lighting was converted. The project consisted of the removal of existing HPS roadway luminaires and the installation of 96 new roadway cobra head type LED luminaires. Existing HPS underpass luminaires were also removed, and 12 new underpass LED luminaires were installed. Existing luminaires with wattages of 150W, 250W, 210W and 400W were replaced with LED luminaires with wattages of 56W, 84W, 174W, 229W and 243W. The appropriate permits were submitted to IDOT, Cook County and the Village of Chicago Ridge. Incentive funding was obtained from ComEd which served to eliminate a significant majority of the project's overall cost. Fee: $30,000
Higgins/River/Devon Lighting Anthony DeRicco, PE, LC	Village of Rosemont Frank DiMatteo 847.698.3744	The improvements consisted of 8100' of street lighting improvements. Project consisted of removal of an existing lighting system, modifi cations to another existing lighting system, as well as installation of 89 new decorative type light poles and 1 new lighting controller. New light poles were 40' tall with 178W decorative pendant type LED luminaires, banner arms and GFCI receptacles. Photometrics included six different roadway cross sections and six signalized intersection calculations. Fee: $250,000
Margaret J. Lange Park Site Lighting Anthony DeRicco, PE, LC	Village of Rosemont Frank DiMatteo 847-698-3744	This project consisted of the removal and replacement of the existing lighting and related electrical infrastructure for the baseball field, softball field, bocce court, basketball court, splash pad, west parking lot, and south parking lot. Also included is removal and replacement of the existing electrical service and all existing electrical panels adjacent the softball field with smart lighting controls, plus adding receptacles with dedicated circuits on each of the light poles around the softball field and bocce/basketball courts for local events. Fee: $56,000

SERVICES OFFERED

MECHANICAL ENGINEERING

PROJECT NAME/ PROJECT MANAGER	CLIENT/ REFERENCE	SCOPE OF IMPROVEMENTS
Lake Michigan Water Receiving Station Mark Emory, PE	Village of Bartlett Daniel Dinges, PE 630.837.0811	The project consists of the design and construction of receiving facilities for the Village's new Lake Michigan Water connection to the DuPage Water Commission (DWC). The facilities are constructed on the Village's 24.5 acre public works campus and include 3.0 million gallons of ground storage in two 1.5 million gallon tanks, a 60' x 80' receiving station building, a 10 MGD pumping station with seven variable speed pumps; pressure adjustment and rate of flow control of the water received from DWC, emergency standby electrical power generator, traveling bridge crane, metering, pressure and level monitoring, automated PLC based station controls, new SCADA for all of the Village's water facilities, disinfection system with residual monitoring, yard piping and landscaping. Modifications were also made at the Village's existing pump stations and water towers to accommodate the new Lake Michigan Water source. Fee: $450,000 (Phase II) | $499,000 (Phase III)
Tinley Park Post 4 Lift Station Improvements John Caruso, PE	Village of Tinley Park John Urbanski 708.444.5000	The project consisted of a new control building including pump control panel and SCADA system; electrical distribution panels arranged for 277/480V, 3 phase, 4-wire electric service; variable frequency drives on existing 34 Hp submersible type pumps; new digital transit time flow monitor; new level management system in existing wet well; NEMA 4X stainless steel pump cable junction box; demolition of existing walk-in style fiberglass control building; new access drive, sidewalk and landscape restoration. Fee: $55,000
SCADA System Improvements John Caruso, PE	Village of Westchester Steve Crowley 708.345.0020	The project consisted of Design-Build delivery method for SCADA system to control potable water system facilities consisting of delivery meter from BWJWA, ground storage tank, pump station and an elevated tank. Coordination with Village and SCADA System Integrator, site reconnaissance, preparation of scope and contracts, and coordination with BWJWA. Fee: $100,000

LAKE MICHIGAN WATER RECEIVING STATION | BARTLETT

POST 4 LIFT STATION IMPROVEMENTS | TINLEY PARK

Central Pressure Adjusting Station Improvements John Caruso, PE	Village of Lombard Carl Goldsmith 630.620.5740	The project included decommissioning and demolition of existing potable water pressure adjusting station replaced with 60' x 68' pressure adjusting station with storage room, three vehicle garage, pressure adjusting room, laboratory, washroom and mechanical room. Building and site improvements included potable water pressure reducing system complete with flow meter and redundant bypass system, sodium hypochlorite water treatment system, 50 kW and 80 kW natural gas standby generators, building lighting, building HVAC, building fire suppression and alarm system, building plumbing, SCADA integration, electric and natural gas service installation, 34 kW photovoltaic system, site storm sewer and sanitary sewer improvements, site lighting and lighting controller, and site restoration. Fee: $220,000
Spring Rock Park Water Main Project John Caruso, PE	Village of Western Springs Matthew Supert 708.246.1800	Over 1,500' of new 12" ductile iron distribution main was installed within the Spring Rock Park to replace 80+ year old corroded 12" main. The existing elevated tank was in use throughout the majority of the construction phase. The new main was wrapped in polyethylene encasement tubing to decrease exposure to the corrosive soil and connected the elevated tank both to the north in Burlington Avenue and to the south in 47th Street. The project also included construction of new valves in vaults, fire hydrants, water services, pavement and park landscape restoration. There was also additional coordination with the Western Springs Park District (WSPD) to relocate the new main outside of the ball fields to prevent disruption to the park should any future repair be necessary. Fee: $66,000
Water System Master Plan Update Mark Emory, PE	Village of Woodridge Chris Bethel 630.719.4753	CBBEL performed a complete overhaul of existing water model to WaterGEMS to coincide with the Village's current GIS information. Used the newly verified water model to evaluate performance of the current and anticipated future conditions of the system. The model has aided in the discussion of increasing of the capital improvement projects of water main replacement, better looping the Southeast Business Park and Office Building, the overall system would be affected if Tower 1 has been removed from the network, to validate one of the major capital improvements of replacing aging mains along 75th Street between Janes Avenue and Woodridge Drive. With the newly renovated WaterGEMS water model, CBBEL was able to create a decision matrix ranking appropriate values for age, break in pipes, size, material, street/alley condition and fire flows to determine a 5-year water main replacement program. Fee: $52,000
Levee 37 Pump Stations #1 & #2 Standby Generators John Caruso, PE	Village of Mount Prospect Matt Overeem 847.870.5640	CBBEL provided design, bidding and construction engineering services for the design of two 45 kW natural gas generators, concrete foundation and automatic transfer switch at two separate storm water pump stations along the Des Plaines River approximately one mile apart. Fee: $30,000
Village Hall Soffit & Roof Replacement Gerald Hennelly	Village of Flossmoor John Brunke 708.957.4100	CBBEL provided design and construction engineering services for the replacement of the existing roof at the Village Hall complex including standing metal seam fascia, soffits, new parapet caps, gutters and downspouts. CBBEL prepared bidding documents for the removal of the existing EPDM roof and replacement with fully adhered EPDM roof and equivalent R=35 insulation board. Fee: $35,000

MECHANICAL ENGINEERING ADDITIONAL PROJECTS

PROJECT NAME	CLIENT	FEE
$0 TO $99,000		
Pump #4 and Standby Generator	City of Chicago Heights	$50,000
Village Hall Generator Improvements	Village of Flossmoor	$50,000
IEPA Water Supply Loan	City of Chicago Heights	$58,185
Harlem Ave Lift Station Rehabilitation	Village of Chicago Ridge	$87,567
Four Flaggs Standpipe	Village of Niles	$68,528
Lake Opeka Storm Water Pump Station	City of Des Plaines	$62,000
Water Model Update	City of West Chicago	$30,000
Water Model Updates & New Western Pressure Zone Modeling	Village of Tinley Park	$50,000
$100,000 to $299,000		
Post 5 Lift Station Redesign	Village of Tinley Park	$139,417
North Avenue Pressure Adjusting Station	Village of Lombard	$150,000
75th St Watermain Replacement	Village of Woodridge	$110,509
SWPS Electrical Improvements Project	Village of Wilmette	$103,915
Water Model	Village of Bartlett	$145,000
Evanston Street Light Master Plan	City of Evanston	$147,000
$300,000 to $500,000		
Evanston Fountain Square Mechanical and Electrical Vault Design	City of Evanston	$315,000

* *Additional information for each project available upon request.*

SERVICES OFFERED

STRUCTURAL ENGINEERING		
PROJECT NAME/ PROJECT MANAGER	**CLIENT/ REFERENCE**	**SCOPE OF IMPROVEMENTS**
Des Plaines River Trail Segment 3 Jason Souden, PE Jeffrey Barnett, PE, SE	Forest Preserve District of Cook County 536 Harlem Avenue River Forest, IL 60305 Pamela Sielski 708-771-1355	The Des Plaines River Trail project consists of Phase I Engineering and Environmental Studies, and Phase II and III Engineering for the reconstruction of the Trail from Touhy Avenue to North Avenue, a distance of approximately 7.5 miles, to address safety and geometric deficiencies, and address flooding issues. The project will also include improvements at major roadway crossings and new trail connections. Recently constructed, Segment 3 includes a 5 span structure pedestrian bridge that crosses Lawrence Avenue just east of the Des Plaines River. The main/center span consists of a 140' long, 14' wide, prefabricated truss. The north approach features two, 105' long curved spans consisting of 45" deep steel plate girders, and the south approach features two, 105' straight spans consisting of 42" deep steel plate girders. Structural staff prepared plans, specifications and a cost estimate for the proposed structure and also assisted Phase III staff with submittal reviews and responses to contractor requests for information. Phase II design of Segment 3 was completed in April of 2022. Construction was completed in 2023. Fee: $476,000 Phase II; $631,000 Phase III

HARRISON STREET BRIDGE | ALGONQUIN

Palmer Avenue & Parkview Drive Superstructure Replacements Mark Wrzeszcz Majid Mobasseri, PhD, PE, SE Christopher Faust, PE Daniel O'Connell	City of Northlake 55 E. North Avenue Northlake, IL 60164 Mayor Jeffrey Sherwin | 708.343.8700	CBBEL performed Phase I, II and III services for the replacement of the Palmer Avenue bridge and Parkview Drive bridge superstructures over Addison Creek. These two structures were identified as needing to be rehabilitated during CBBEL's biennial inspections of the structures. Federal funds were utilized for the superstructure replacements. Bridge Condition Reports were prepared during Phase I, and superstructure replacement was determined to be the most appropriate and economical option for both structures. The Palmer Avenue superstructure (34' long single span) consists of 12" deep press brake formed steel tub girders with an 8" thick reinforced concrete deck. The Parkview Drive superstructure (57' long single span) consists of 27" deep prestressed precast concrete deck beams with a 2" HMA wearing surface. Included in the Phase II design services was the completion of initial load ratings of the structures utilizing IDOT's preferred rating software, AASHTOWare. Structural staff assisted the Phase III resident engineer with submittal reviews and responses to contractor requests for information. Construction was completed in the fall of 2023. Fee: $107,000 Phase II; $108,000 Phase III
Harrison Street Bridge Replacement and Crystal Creek Improvements Orion Galey, PE Jeffrey Barnett, PE, SE Razvan Calin	Village of Algonquin 2200 Harnish Drive Algonquin, IL 60102 Clifton Ganek 847.658.2700 x4410	CBBEL performed Phase II and III services for the replacement of the Harrison Street Bridge over Crystal Creek. The existing structure consisted of a single, 41' span with closed abutments. The new bridge is a two-span, 85' long structure with open abutments. The larger hydraulic opening helped to lower flood elevations upstream of the structure. The superstructure consisted of 21" deep precast prestressed concrete deck beams with a 5" thick reinforced concrete wearing surface. The stub abutments are pile supported, and the center pier is a pile supported solid wall pier. The project also consisted of channel improvements upstream of the structure past Main Street and downstream of the structure. The channel improvements included the installation of a multi-use path and several site retaining walls. AASHTOWare was used to perform the initial load rating of the bridge. CBBEL in-house landscape architect assisted with incorporating aesthetic features into the project (e.g. decorative masonry columns on bridge). Structural staff with the Phase III resident engineer to ensure the project was a success. Construction of the structure was completed in the summer of 2023. Fee: $218,000 Phase II; $345,000 Phase III

88th/Cork Avenue Interchange at I-294 Majid Mobasseri, PhD, SE, PE	Village of Justice 7800 South Archer Avenue Justice, IL 60458 Matthew Zarebczan 708.458.2130	CBBEL prepared the Project Development Report and the bid documents (plans, specifications and estimates) for the construction of a new partial diamond interchange at the 88th/Cork Ave. crossing of I-294. Both Phases of engineering required close coordination with IDOT, Illinois Tollway, and Cook County since the involved roadways are State, Tollway and County jurisdiction. Phase II design began in early 2019 and reached Pre-Final PS&E level by September, 2020. The project includes $1.8 million of right-of-way acquisition and reconstruction of 1.5 miles of 88th/Cork Ave., 79th Street, Archer Rd. and Oak Grove Ave. at an estimated construction cost of $26.8 million. Portions of the work, including bridge substructure widening, most of the two new ramps, retaining walls and a new sanitary sewer crossing of the Tollway, were shifted to the Tollway's I-294 Reconstruction contract and are already being built. Fee: $3,700,000
Bridge Inspections Majid Mobasseri, PhD, SE, PE Jeffrey Barnett, PE, SE	IDOT/ISTHA Multiple Counties/ City of Chicago Municipalities served (# of Structures) Algonquin – 5 Butterfield Country Club - 12 pedestrian bridges Chicago Ridge – 1 Crest Hill – 4 Flossmoor – 1 Hanover Park – 3 Harvard - 4 Hawthorn Woods – 1 Highland Park – 9; 4 pedestrian bridges Huntley – 9 Leyden Township – 2 Northfield – 3; 1 pedestrian bridge Northlake – 11 Oakbrook Terrace – 1 Orland Township - 2 Park District of Highland Park – 18 pedestrian bridges Private Structures – 6 Rolling Meadows – 10 Rosemont – 4 Shorewood – 6; 1 pedestrian bridge Westchester – 3 Willowbrook – 1	CBBEL proudly serves as the bridge inspection program manager for 19 municipalities and is currently responsible for the inspection of 87 structures which include 6 private structures. CBBEL's inspection inventory includes several single and multi-span bridges with various superstructure types including reinforced concrete deck slabs, reinforced concrete T-beams, steel beams/girders, prestressed precast concrete deck beams and I-beams, and timber glulam beams. CBBEL's inventory also includes several multi-cell reinforced concrete box culverts, CMP and RCP pipe culverts, and three-sided concrete and metal structures. Additionally, we regularly inspect over 35 pedestrian bridges, 20 of which are located on golf courses. Inspections are performed in accordance with the National Bridge Inspection Standards (NBIS) and the IDOT Structure Information and Procedure Manual by FHWA trained staff members. As part of our inspections, CBBEL completes IDOT formwork and submits it to the local bridge office. In addition, we provide our clients with photo documentation from each inspection to illustrate the condition of the structure, and we provide a summary of all inspection findings including any maintenance recommendations. We help our clients determine when repairs should be made or when replacement should be considered. We always work with our clients to extend and maximize the service life of their structures, and we assist them with the preparation of construction documents when needed. Fee: Various

STRUCTURAL ENGINEERING ADDITIONAL PROJECTS

CLIENT	PROJECT NAME	FEE
$0 TO $99,000		
Pulte Group	Lincoln Prairie Pedestrian Bridge	$73,650
Village of Northfield	Bosworth Pedestrian Bridge	$65,500
Winnetka Park District	Bluff Land Restoration	$40,000
Village of Glencoe / Glencoe Park District	Glencoe Beach Lower Access Ramp Retaining Wall	$37,000
$100,000 to $299,000		
Village of Flossmoor	Brookwood Drive Bridge	$148,900
City of Northlake	Hirsch Street Bridge Rehabilitation	$178,000

** Additional information for each project available upon request.*

SERVICES OFFERED

MAIN STREET STREETSCAPE | CARY

ARCHITECTURAL SERVICES (LANDSCAPE DESIGN)

PROJECT NAME/ PROJECT MANAGER	CLIENT/ REFERENCE	SCOPE OF IMPROVEMENTS
Park Street Shared Use Street Val Racich, PE Douglas Gotham LLA, ASLA	Village of Lombard 255 E Wilson Avenue Lombard, IL 60148 Carl Goldsmith 630-620-5700	The goal of the project was to create a space that vehicles, pedestrians and special events could co-exist. Working with staff and Village officials, CBBEL developed a variety of options for the space. The final design was the reconstruction of the block into a shared use street. The traditional curb and gutter were removed and the vehicle and pedestrian circulation is defined by the pavement materials and the strategic use of site furniture. Fee: $135,000
Main Street Streetscape Jason Souden, PE Nicholas Morel, PE Douglas Gotham LLA, ASLA	Village of Cary 755 Georgetown Drive Cary, IL 60013 Eric Morimoto 847-639-0003	The work involved street resurfacing, as well as new brick parking stalls, curb and gutter replacement, a carriage walk, bench nodes with decorative paving, extensive landscaping, new ornamental pedestrian and roadway lighting, decorative catenary lighting, new site furniture, ADA improvements, and high visibility crosswalks. CBBEL completed preliminary and final design engineering services. CBBEL's project team produced conceptual designs as well as 3D images to communicate the intent of the proposed designs. CBBEL worked directly with the staff in the preparation of the plans and produced images and details for public review. CBBEL also produced final plans, specifications and an engineer's estimate of probable cost. Fee: $120,000

STONEYBROOK PARK | ALGONQUIN

Stoneybrook Park Michael Kerr, PE Nicholas Morel, PE Douglas Gotham LLA, ASLA	Village of Algonquin 2200 Harnish Drive Algonquin, IL 60102 Michele Zimmerman 847-658-2700 x4401	The park was acquired by the Village n the 1980's through a developer donation and a small playground and a sand volleyball court were added in the 1990's. The Village staff recognized the need to renovate the park and obtained services from CBBEL to assist them in the preparation of an OSLAD Development Grant. CBBEL served as a facilitator at a public meeting and identified the desires of the local residents. Using this information and staff's input, we began the process of developing a master plan for the site. Once the OSLAD grant was secured, CBBEL assembled construction and bid documents for the development of the site. Fee: $45,000
Cornell Landscape Plan Greg Sanders, PE Nicholas Morel, PE Douglas Gotham LLA, ASLA	Village of Huntley 10987 Main Street Huntley, IL 60142 Timothy Farrell, PE 847-515-5285	Renovation of a historic vacant building within the downtown with the goal of making multi-tenant residential. A full landscape plan was developed to improve the buildings aesthetics. Fee: $359,000

SUMMIT DRIVE RESURFACING AND BIKE LANES | SCHAUMBURG

MAIN STREET RECONSTRUCTION & STREETSCAPE | ALGONQUIN

Main Street Reconstruction & Streetscape Jason Souden, PE Douglas Gotham LLA, ASLA	Village of Algonquin 2200 Harnish Drive Algonquin, IL 60102 Michele Zimmerman 847-658-2700 x4401	This project consisted of Phase I and Phase II Engineering for the reconstruction of Main Street from the IL 31 South Junction to the IL 31 North Junction, a distance of approximately 1.1 miles. The Western Algonquin Bypass (IL 31) was opened in the fall of 2014, and Main Street (Old IL 31) was jurisdictionally transferred to the Village of Algonquin. The purpose of the Main Street improvements is to reconstruct the roadway based on reduced traffic volumes and to address deficient pavement condition, address sidewalk and bike path gaps, and to provide an integrated Algonquin downtown center south of IL 62 which is friendly to pedestrians, slows passenger vehicles, and encourages truck traffic to use the IL 31 Bypass. Fee: $375,000
Veterans Memorial Douglas Gotham LLA, ASLA	City of Crest Hill 20600 City Center Boulevard Crest Hill, IL 60403 Ron Wiedeman 815-741-5100	When the City began constructing a new City Hall, they decided that they wanted to relocate and enhance their existing Veterans Memorial. The City's goal was to honor all the branches of the military, have enough room to accommodate their annual ceremonies, and to make it more attractive and have enough room for all the branches of the military Fee: $8,000
Metra Train Station Green Parking Lot Orion Galey, PE Douglas Gotham LLA, ASLA	Village of Riverside 27 Riverside Road Riverside, IL 60546 Dan Tabb 708.442.3590	The Metra Train Station Green Parking Lot Project was located at the Riverside Metra Station Commuter Lot 1, Northwest of the intersection of Bloomingbank Road and Burling Road. The project included full depth HMA pavement removal of the existing parking lot to be reconstructed with a permeable subbase granular material, permeable pavers, curb and gutter removal and replacement, and PCC sidewalk removal and replacement. Also included is the construction of a bioretention facility adjacent to the parking lot. Fee: $144,000

SERVICES OFFERED

SURVEYING SERVICES

PROJECT NAME/ PROJECT MANAGER	CLIENT/ REFERENCE	SCOPE OF IMPROVEMENTS
Quentin Road - Old McHenry Road Michael Matkovic, PE Matthew Huffman, PE John Murphy, PE, PLS	TranSystems 1475 E. Woodfield Road Suite 600 Schaumburg, IL 60173 Max Smith 847.605.9600	CBBEL prepared a Topographic Survey and ROW Verification Survey with supplemental LiDar data on Old McHenry Road/Quentin Road, Canadian National Rail line and all the intersections within the project limits. The project limits were from Old McHenry Road - Abbey Glenn Drive to Bonnie Lane and Quentin Road - IL Route 22 to Old McHenry Road a total distance of approximately 6 miles. All of the information gathered above was provided to the primary consultant in Open Roads Designer format for final design plans. Fee: $217,190
Robert McClory Bike Path Bryan Luke John Murphy, PE, PLS	Lake County Division of Transportation 600 West Winchester Road Libertyville, IL 60048 Mike Emde, PE 847.377.7452	CBBEL prepared a Topographic Survey and ROW Verification Survey on Robert McClory Bike Path from Russell Road to 24th Street, North Chicago and Old Elm Road, Highland Park to 100' north of Vine Avenue a total distance of approximately 84,480 lineal feet. All of the information gathered above was provided to Lake County DOT and to CBBEL Engineering for final design plans. Fee: $145,000
Union Pacific Railroad DuPage and Kane Counties, IL John Murphy, PE, PLS Kenneth Rasmussen, PLS James Schmieder	Union Pacific Railroad Company 1400 Douglas Street, Stop 1480 Omaha, Nebraska 68179 Greg Brigham 402.544.0794	The CBBEL Survey Department was contracted by the Union Pacific Railroad (UPRR) to perform Boundary Surveys for acquisition parcels needed throughout the UPRR Geneva Subdivision Corridor, 92 parcels total. The Land Survey Services provided included research at DuPage and Kane County Recorder's Offices and other various public agencies. Recorded and unrecorded documents for the reestablishment of right-of-way {ROW) lines, parcel lines and section lines along the project corridor were required. CBBEL also coordinated field crews for the field survey necessary to obtain existing field evidence of property and ROW lines. Boundary calculations and analysis of researched documents and field data were used to determine existing boundaries and ROW lines. CBBEL prepared parcel plats and legal descriptions for the proposed acquisition parcels. The areas covered by CBBEL on the Union Pacific Railroad (UPRR), project from Mile Post 32.0 to Mile Post 38.41 in the UPRR's Geneva Subdivision Fee: $218,000
Green Valley & Knollwood, DuPage County Wastewater Facility Surveying John Murphy, PE, PLS	CDM Smith, Inc. 151 N. Delaware St. Suite 1520 Indianapolis, IN 46204 Amrou Atassi 317.637.5424	CBBEL assisted CDM Smith with completing a physical master plan by performing topographic survey of the project area (37± Acre Parcel, 4,900LF± Entry Roadway, & 12± exterior building details) for use in Engineering Services. This process included field checking and horizontal position updates of changes to physical improvements within the work limits (i.e. existing buildings, lighting, drive/parking areas, wetlands, tree species identification, underground utilities, etc.). Services included: Field Survey, Utility Survey, Topographic Survey, and JULIE Utility Coordination. Fee: $108,850

Water Main Replacement Program & ADA Ramp Base Drawing Production Chicago, IL John Murphy, PE, PLS Brian Gillett, PLS Karl C. Schlenker Alexie Karavakis	City of Chicago Department of Water Mgmt. Jardine Water Purification Plant 1000 E. Ohio Street Chicago, IL 60611 Ted Szudy 312.894.4555	CBBEL was responsible for the completion of base map design plans according to Chicago Department of Water Standards. We also coordinated with our MBE and WBE subconsultants for this project to ensure adherence to said standards and timely completion of projects. It was necessary to base all data on IL East State Plane Coordinates NAD'83 to conform to City of Chicago GIS Applications, compute all right-of-way retracement, review final plans, and submit finished product packages to Chicago Water Partners. This project has also encompassed a generation of base maps for client's use in Americans with Disabilities Act (ADA) special ramp design and construction projects maintaining Chicago Department of Transportation Standards. Fee: $981,116 (1-1-13 to 12-31-22)

SERVICES OFFERED

TRAFFIC ENGINEERING

PROJECT NAME/ PROJECT MANAGER	CLIENT/ REFERENCE	SCOPE OF IMPROVEMENTS
Traffic Signal System Monitoring G. Michael Ziegler, PE, PTOE	Cook County Department of Transportation and Highways 69 W. Washington Street Chicago, IL 60602 Rich Jezierny 312.603.1734	The project consisted of monitoring all of Cook County Department of Highway and Transportation (CCDOTH) closed loop traffic signal systems. CCDOTH currently has 22 Econolite systems and 8 Eagle systems in operation. CCDOTH also has 28 local intersections which communicate through 9 IDOT master controllers and 48 traffic signals that communicate through Lake County's Passage system which use Econolite based Centracs controller hardware. Combined, the systems include 192 intersections. The systems are monitored using Econolite Aries, Centracs and Eagle MARC-Tactics software packages. Fee: $51,000
2022 Traffic Signal Timing Analysis and Review G. Michael Ziegler, PE, PTOE	McHenry County Division of Transportation 16111 Nelson Road Woodstock, IL 60098 Bradley Cousin 815.334.4971	The project consisted of three primary tasks. Task one involved providing technical assistance to the County to address traffic operational issues. Task two involved reviewing traffic studies including traffic signal warrant analyses, intersection design studies and traffic impact studies. Task three included performing SCAT related services for the Randall, Rakow, and Algonquin systems. The technical assistance task involved CBBEL providing technical assistance to the County at various signalized intersection locations where CBBEL addressed specific traffic operational concerns. This task included addressing school arrival and dismissal traffic patterns and revising traffic signal timings to reduce queuing. Under the traffic studies review task, CBBEL reviewed intersection design studies and traffic impact studies utilizing the latest editions of nationally recognized engineering standards including the Manual on Uniform Traffic Control Devices (MUTCD), ITE Trip Generation Handbook, IDOT standards and McHenry County DOT standards. The SCAT services task included developing time-of-day signal timing plans using the Synchro and SimTraffic micro-simulation software program, performing a traffic signal controller database review with recommendations, performing speed and delay studies of the system operation before and after implementation of the signal timing plans, implementing the new traffic signal timings including fine-tuning of the system and controller databases, on-site consultation during the signal timing implementation, and preparing a SCAT report detailing the timing design. The SCAT services task also included remote monitoring the County traffic signal systems to evaluate performance and identify changes or failures that may affect system operations, and performing periodic field observations as requested to identify timing deficiencies. Fee: $90,000

McHenry County Flashing Yellow Arrows Improvements G. Michael Ziegler, PE, PTOE	McHenry County Division of Transportation 16111 Nelson Road Woodstock, IL 60098 Darrell Kuntz 815.334.4969	The project locations include 7 intersections on Algonquin Road (Villages of Huntley and Algonquin) and 1 intersection at Wilmot Road and Main Street (Village of Spring Grove). The County awarded HSIP funds in the approximate amount of $1 million for this project. The project consists of various traffic signal modifications including crash countermeasures (flashing yellow left turn arrows and retroreflective backplates), and accessibility modification of the existing sidewalk and pedestrian ramps for ADA / PROWAG compliance. Fee: $354,000
US Route 34 (Washington Street) Long Term Safety Improvements G. Michael Ziegler, PE, PTOE	Village of Oswego 100 Parkers Mill Oswego, IL 60543 Jennifer Hughes 630.551.2366	CBBEL successfully obtained approval from IDOT D3 and completed design plans for two (2) new traffic signals in Oswego, IL. In response to ongoing development and enhancements of pedestrian safety along US Route 34, CBBEL assisted the Village of Oswego in obtaining approval from IDOT D3 and completed design plans for the following intersections under IDOT jurisdiction, to improve safety for various users: 1. Main Street at US Route 34 (Washington Street) 2. Harrison Street at US Route 34 (Washington Street) Fee: $88,500

US ROUTE 34 LONG TERM SAFETY IMPROVEMENTS | OSWEGO

Traffic Signal Warrant Study, Beinoris - Industrial Traffic Signal G. Michael Ziegler, PE, PTOE	City of Wood Dale 404 N. Wood Dale Road Wood Dale, IL 60191 Staci Springer 630.787.3737	CBBEL provided traffic engineering services to study and determine the appropriateness of a new traffic signal at the intersection Illinois Route 83 and Industrial Drive located in the City of Wood Dale. Due to planned re-development along Illinois Route 83 from Foster Avenue to Thorndale Avenue including the future extension of Beinoris Drive (from Edgewood Avenue to Illinois Route 83), a traffic study was performed to determine whether traffic signal warrants are met per IDOT (SRA) requirements. Trip generation values from ITE Trip Generation Manual along with existing traffic volumes and projected CMAP approved volumes were utilized to determine projected "Build Out" volumes to be used in the warrant analysis. The study concluded that a new traffic signal is warranted and provides recommendation for future intersection geometry. Fee: $37,000
63rd Street Flashing Yellow Arrow Project G. Michael Ziegler, PE, PTOE	DuPage County Division of Transportation 421 N. County Farm Road Wheaton, IL 60187 Bill Eidson 630.407.6890	CBBEL provided Phase I Engineering Design Services and Phase II is currently ongoing for traffic signal modernizations and implementation of flashing yellow arrow (FYA) signal operation on 63rd Street between the intersections of W. Suffield Court and Americana Drive. The goal of the project was to implement safety countermeasures based on the approved HSIP application, including FYA operation, and upgrade legacy traffic signal equipment. The project required land acquisition and received Phase I approval in August of 2023 through the Bureau of Local Roads. Fee: $150,000 (Phase I) - $250,000 (Phase II)

63RD STREET FLASHING YELLOW ARROW PROJECT | DUPAGE COUNTY DOT

TRAFFIC ENGINEERING ADDITIONAL PROJECTS

PROJECT NAME	CLIENT	FEE
$0 TO $99,000		
US Route 34 Traffic Analysis	Village of Oswego	$95,000
IL 7 at Farrell Rd Intersection Improvements	City of Lockport	$25,000
Black Rd at Shorewood Dr Signalization	Village of Shorewood	$50,000
Signal Network Optimization	Village of Lombard	$95,000
Emergency Flashing Beacon Installation Plans	Village of Gurnee	$10,000
$100,000 to $299,000		
Traffic Signal Modernization Project	Cook County Department of Transportation and Highways	$189,000
Lake Cook Road SCAT	Cook County Department of Transportation and Highways	$192,000
$300,000 to $500,000		
Signal Coordination and Timing Districts 2, 3, 4 and 5	Illinois Department of Transportation	$400,000
63rd Street Flashing Yellow Arrow	DuPage County Division of Transportation	$400,000
$500,000 and above		
Various, Various Traffic Signal Modernization	City of Chicago Department of Transportation	$745,273
Blanket Agreement for Electrical Engineering Design Services	Cook County Department of Transportation & Highways	$500,000

** Additional information for each project available upon request.*

SERVICES OFFERED

WATER RESOURCES ENGINEERING

PROJECT NAME/ PROJECT MANAGER	CLIENT/ REFERENCE	SCOPE OF IMPROVEMENTS
 GREENBRIER STORMWATER & INFRASTRUCTURE | ARLINGTON HEIGHTS		
Greenbrier Stormwater & Infrastructure Improvements Jeffrey Julkowski, PE	Village of Arlington Heights 410 N Arlington Heights Arlington Heights, IL 60004 Cris Papierniak, 847.368.5800	CBBEL analyzed widespread flooding events throughout the Greenbrier Subdivision, identified flood-prone areas, completed stormwater modeling, and developed solutions and contract plans to alleviate future flooding. The project included the reconstruction and expansion of a detention basin and 5,300 feet of storm sewer. The project also included the reconstruction of 1.5 miles of residential streets, the replacement of 8,800 feet of water main, and the removal and replacement of 27,000 square feet of sidewalk. A 1,300 foot section of water main was also lined. The project was completed in several segments to reduce the impact to area residences, two parks and Greenbrier Elementary School. The project involved meetings with area residents to obtain their input and keep them apprised of project developments. Construction was completed in 2021. Fee: $217,800 Phase II
Madison Street Drainage Study Jeffrey Julkowski, PE	Village of Hinsdale 19 E. Chicago Avenue Hinsdale, IL 60521 Matthew Lew 630.789.7039	CBBEL analyzed a recurring drainage problem on Madison Street in the Village of Hinsdale. This depressional/roadway flooding area would frequently flood up to 3' in depth, closing a key traffic route and flooding adjacent homes. Flood mitigation alternatives were developed but were impractical due to lack of open space and or a nearby outfall with sufficient capacity. When an adjacent commercial property proposed a redevelopment, CBBEL worked with the Village to develop a drainage plan that utilized the redevelopment site to address the nearby street flooding. The project included design of a relief storm sewer system which conveyed stormwater to an underground storage vault located on the development site. Fee: $118,170

Deerfield Stormwater Master Plan Jeana Gowin, PE	Village of Deerfield 465 Elm Street Deerfield, IL 60015 Tyler Dickinson 847.719.7463	CBBEL prepared a Village-wide Stormwater Master Plan (Plan) to identify and develop flood reduction projects to address drainage problems throughout the Village. CBBEL collected a variety of data for the study, including engineering plans, flood questionnaires, photographs, videos, and survey data. Because an open house was not able to be held, CBBEL also met with numerous residents one-on-one and performed additional field assessments. Utilizing the collected data, as well as GIS storm sewer data provided by the Village, CBBEL created a detailed hydrologic and hydraulic analysis of the entire Village. This analysis, in addition to the collected data, helped identify capacity limitations and levels of service, which resulted in forty-two project study areas. The study areas were categorized into three types: structure, street, and rear yard flooding. Conceptual solutions and associated costs were prepared for each study area. A Village-wide stormwater report presented each drainage issue and present the detailed concept solutions. The proposed projects designed to reduce flooding range from increased conveyance capacity to stormwater storage. An evaluation of each project and its benefits was summarized in the report. CBBEL met with Village staff numerous times to present updates on the study's findings and recommended solutions. The report provides the Village with options for private property owner improvements, including the possibility of providing design assistance to property owners that wish to implement drainage improvements on their property. Fee: $254,000
Park Ridge Stormwater Master Planning Jeffrey Julkowski, PE Brian Kubilius, PE	City of Park Ridge 505 Butler Place Park Ridge, IL 60068 Sarah Mitchell, PE 847.318.5455	The City's stormwater efforts, like many other communities, were prompted by major flood events starting in 2008. Since that time, CBBEL has been engaged in several studies and design projects. We have prepared a hydrologic and hydraulic model of the City's entire combined sewer system to establish system capacities and identify critical areas. We have developed several stormwater infrastructure improvement projects, including ten project areas for which design plans were developed and for which CBBEL also completed construction observation. CBBEL also recently completed a Stormwater Master Plan for the City to guide future long-term stormwater planning, as well as a stormwater utility study to investigate funding options. Among the projects are the following: Citywide Sewer Study (2010) Flood Reduction Program Phase 1 Plans (2012) Flood Reduction Program Phase 1 Construction Observation (2012-2013) Flood Reduction Program Phase 2 Plans (2013) Flood Reduction Program Phase 2 Construction Observation (2013-2014) Stormwater Utility Study (2014-2016) Stormwater Master Plan (2016-2018) Marvin Parkway Flood Control (2021)

Roselle Stormwater Master Plan Jeana Gowin, PE	Village of Roselle 555 W. Bryn Mawr Avenue Roselle, IL 60172 Kristin Mehl 847.895.4500	CBBEL prepared multiple Stormwater Master Plans (Plans) for various studies that outlet to different watersheds within the Village of Roselle (Village) to identify and develop flood reduction projects to address drainage problems. These studies include: Devlin Wastewater Treatment Plant (WWTP), Seasons 4, and Meacham Creek. CBBEL collected a variety of data for the studies, including engineering plans, reported flooding data, photographs, and survey data. Utilizing the collected data, as well as GIS storm sewer data provided by the Village, CBBEL created a detailed hydrologic and hydraulic analyses for each watershed. These analyses, in addition to the collected data, helped identify capacity limitations and levels of service. The study areas were prioritized for structure and street flooding. Conceptual solutions and associated costs were prepared for each study area. A stormwater report was prepared for the Devlin WWTP and Seasons 4 studies and another report was prepared for the Meacham Creek study. Each report presented the drainage issues and presented detailed concept solutions. The proposed projects that are designed to reduce flooding range from increased conveyance capacity to stormwater storage. An evaluation of each project and its benefits was summarized in the respective reports. CBBEL met with Village staff numerous times to present updates on the findings of each study and recommended solutions. The report provides the Village with options to implement drainage improvements. The Village can utilize this report in support of local and federal grant applications. Fee: $151,000

Libertyville Nicholas Dowden Park Flood Control Project David Buckley, PE	Village of Libertyville 200 East Cook Avenue Libertyville, IL 60048 Paul Kendzior 847.918.2105	The Highlands Subdivision (a total 550 acre area), experiences chronic street flooding, and sometimes even structure flooding, during heavy rainfall events, which can be attributed to the existing storm sewer system only having an intake and conveyance capacity of an approximate 2-year design storm, no available/safe overland flow routes once the sewer system capacity is exceeded and no available detention. The Village's Master Stormwater Management Plan identified a conceptual flood reduction project for the Highlands Subdivision, which includes a larger receiving storm sewer system, on-site detention on a portion of Nicholas Dowden Park, and possible flood-proofing measures for some of the homes and properties that suffer the worst flooding. The project consisted of the construction of a 38.5 acre-foot detention basin, an underdrain system in the ball fields, and storm sewer installation ranging in size from 12" to 8'x3' RCBC. Also constructed as part of these improvements was an upgraded parking area for the softball fields/park, site amenities including enhanced lighting, PCC paths, and a storage building for the park staff. CBBEL coordinated extensively with both the Village and Hitchcock Design Group (for architectural services) in order to provide a complete, successful product for the residents of Libertyville. Fee: $891,218 Phase 2

Skokie Stormwater Master Plan Jeffrey Julkowski, PE	Village of Skokie 9050 Gross Point Boulevard Skokie, IL 60077 Max Slankard 847.933.8271	Skokie, " The World's Largest Village", comprises a 10 square mile area and is mainly drained by a combined sewer system. Throughout its history, Village residents and businesses have incurred repeated basement sewer backup flooding during large storm events. In the 1980's the Village initiated a Runoff Control Program to study its three distinct Sewer Districts. The study resulted in several upgrades to the combined sewer system to expand its capacity and limit the rate stormwater runoff enters the sewers. Over the past 40 years, the magnitude and frequency of large, intense storm events have increased which have resulted in several, recent flooding events. As a result, the Village selected CBBEL to analyze its combined sewer system based on current rainfall design standards. CBBEL developed an XPSWMM model comprising the entire Village drainage system. The model accounts for all previously implemented improvements including underground storage vaults and inlet restrictors. The results of the modeling show the Village's combined sewer system has approximately 2-year level of service. Concept improvement projects are being developed to improve the system capacity to meet the targeted 10-year level of service. Cost estimates are being prepared and the study will be summarized in a Stormwater Master Plan (SMP) report and presentation. Fee: $426,780
Residential Drainage Complaint Response Michael Burke, PE	Village of Deer Park 23680 W. Cuba Road Deer Park, IL 60010 Beth McAndrews 847.726.1648	CBBEL acts as the Village Engineer for the Village of Deer Park (Village), and one of the services CBBEL provides to residents on behalf of the Village is response to residential drainage complaints. When a resident submits a drainage complaint to the Village, a CBBEL staff member will coordinate directly with the resident and meet with them in the field to identify and investigate the drainage issue. Examples of drainage issues include private property flooding, inadequate ditch drainage, undrained depressional areas, broken drain tiles, and eroded stream and pond banks to name a few. Following completion of the site investigation, CBBEL will perform a desktop analysis to identify the size and scope of the drainage issue. To address the drainage issue, one to two drainage improvement projects are developed and summarized in a memorandum. The memorandum also includes concept exhibits depicting the drainage improvements as well as a material quantity table that lists the materials required to complete the drainage improvements. Since 2016, CBBEL has provided memorandums in response to over 30 separate drainage issues. Fee: Varies

Eastern Avenue Reconstruction Project Jeana Gowin, PE	Village of Bensenville 12 S. Center Street Bensenville, IL 60106 Jeff Maczko, PE 630.594.1196	CBBEL completed a hydraulic analysis to determine the impacts of the Eastern Avenue Reconstruction Project. The work is classified as development by DuPage County because it is located in the regulatory floodplain and exceeds the threshold for land disturbance, thus requiring a permit. After performing the hydraulic analysis, CBBEL staff and Village staff met with the County to discuss permitting requirements. Although the project meets the criteria for a DuPage County Stormwater Certification, CBBEL was able to demonstrate that there were no changes to the runoff characteristics from the site and will not adversely impacts any special management areas, Therefore, DuPage County staff determined that a permit would not be required. CBBEL prepared a summary memorandum for the Village detailing the permitting requirements and hydraulic analysis. Fee: $98,000
Rear Yard Drainage Assistance Program Jeana Gowin, PE	Village of Villa Park 20 S. Ardmore Avenue Villa Park, IL 60181 Kevin Mantels, PE 630.834.8505	Villa Park has an existing rear yard drainage program with a 50% cost-share. CBBEL was contracted to study the rear yard drainage complaints, which have experienced repetitive flooding. Using the existing XP-SWMM analysis for the Village, CBBEL performed of review of all background information required to evaluate each of the parcels. Site surveys were performed that were used to prepare design plans to reduce rear yard flooding. A cost estimate was prepared for each plan and CBBEL solicited bids for each project from an approved contractor list. Fee: $40,000
Seasons 4 and Devlin Watershed Studies Jeana Gowin, PE	Village of Roselle 31 S. Prospect Street Roselle, IL 60172 Kristin Mehl, PE 630.671.2375	Due to localized street and structure flooding in various locations throughout the Seasons 4 and Devlin Watersheds, the Village of Roselle initiated the development of a watershed study to analyze the existing drainage system of each watershed and to identify and develop proposed flood reduction projects to reduce the risk of future flooding in identified critical areas within each watershed. CBBEL developed hydrologic and hydraulic models of each watershed to determine the existing level of service. Three drainage improvements were developed for each watershed, which included increased conveyance and storage. A downstream impact analysis was also performed to verify that the projects did not cause adverse impacts. Concept plans and cost estimates were prepared for each alternative. Fee: $85,000
Birchwood Avenue Drainage Study Jeffrey Julkowski, PE	Village of Hinsdale 19 E. Chicago Avenue Hinsdale, IL 60521 Matthew Lew 630.789.7039	The project included the analysis of a drainage problem affecting a residential subdivision developed decades ago. At the time of development, the stormwater plan took advantage of existing “ravines” which were selectively bermed and restricted to provide detention storage. The increasing frequency of high intensity storm events, as well as the inability to adequately maintain these structures, caused frequent ponding at extreme depths that impacted several residential properties. CBBEL prepared an XP-SWMM model of the existing drainage system, and developed several alternative solutions to reduce or eliminate the excessive flooding. Cost estimates were developed for each alternative. Fee: $32,100

STORMWATER & WATER RESOURCES ENGINEERING ADDITIONAL PROJECTS

PROJECT NAME	CLIENT	FEE
$0 TO $99,000		
Bryn Mawr Reconstruction	City of Wood Dale	$58,587
Re-establish Crystal Creek	City of Crystal Lake	$74,424
Woods Creek Streambank Stabilization	Village of Lake in the Hills	$56,489
LaGrange Stormwater Improvements	Village of LaGrange	$50,046
$100,000 to $299,000		
Stormwater Master Plan	Village of Skokie	$238,275
Lincolnshire Dr North Drainage Improvements	Village of Lincolnshire	$221,613
Strawberry Condo/US Naval Base & US 41	Lake County Stormwater Management Commission	$112,040
Washington St Sewer Separation	Village of Villa Park	$108,799
10040 Norwood St/Willow Creek	Village of Rosemont	$146,592
Meacham Creek Basin Drainage Study	Village of Roselle	$150,000
$300,000 to $500,000		
Highland Subdivision Flood Reduction	Village of Libertyville	$315,630
Copeland Manor Flood Control Project	Village of Libertyville	$484,820
Neighborhood Storage Project)	Village of Wilmette	$400,000
$500,000 and above		
ComEd Environmental Services	ComEd Energy Delivery	$736,038
Thornwood Park & Optimized Storm Sewer	Village of Wilmette	$564,662
Bellwood Reservoir	MWRDGC	$1,234,923
Stormwater Improvement Projects	City of Elmhurst	$1,438,252

** Additional information for each project available upon request.*

TAB 7
PROJECT CONTROLS

PROJECT CONTROLS

At CBBEL, communication and client service are our highest priorities and effectively managing the flow of information from our clients to our engineers, scientists and other professionals is a critical component. We utilize many different methods to track and manage the information including tried and true methods such as meeting minutes, phone logs, project tracking software and additional technology such as email and web-based services. All Village review projects are logged in our review project tracking software noting date received, date completed, number of review and other pertinent data. CBBEL also currently utilizes Microsoft's OneDrive cloud storage technology to share files and information in real time while keeping them safe and secure. These means and methods have proved effective in servicing our municipal clients.

During large construction and development projects, CBBEL creates, maintains and updates communications with residents and stakeholders with the creation of project specific websites and Constant Contact database software. This additional level of service keeps stakeholders engaged and informed throughout construction. The Executive Drive project is a recent example of successfully utilizing Constant Contact for project communications.

Village of WILLOWBROOK

EXECUTIVE DRIVE

CONSTRUCTION UPDATE

FRIDAY, MAY 24, 2024

PROGRESS MADE THIS WEEK
(May 20th - May 24th)

- Began pavement removal, earth excavation, and new storm sewer on the south side of Executive Drive
- Began concrete curb and driveways on Plaza Court

Please note that construction activities are weather dependent

WORK ANTICIPATED NEXT WEEK
(May 28th - May 31st)

- Continue pavement removal, earth excavation, and new storm sewer on the south side of Executive Drive
- Finish concrete curb and driveways on Plaza Court
- During concrete pours, there will be extra construction traffic, please use caution

Contractor
The primary Contractor for this project is Martam Construction, Inc., 1200 Gaskel Drive, Elgin, IL 60120

Project Management
The Village has retained **Christopher B. Burke Engineering, Ltd. (CBBEL)** to monitor the project. If you have any questions or concerns during construction, please contact the Resident Engineer, **Mike Rodak** at (224) 246-0706 or email mrodak@cbbel.com

Stay Up to Date
Join the email list to receive regular project updates!
Sign up at **https://bit.ly/WBExecutiveDrive** or use the QR Code.

TAB 8
DIFFERENTIATION OF CAPABILITIES

DIFFERENTIATION OF CAPABILITIES

We are a privately-owned "family run" organization whose core values date back to 1986. Our ability to complete complex, multi-faceted engineering projects while providing customer service at a personal, hands-on level is something not typically found in today's industry. Thirty percent of CBBEL's staff have reached the milestone of having over 20 years of service with the company, while 7% are over 30 years. Our track record for employee retention and client retention, speaks for itself.

CBBEL has a proven track record of providing municipal engineering services to the Village of Willowbrook (Village) and several other communities over the last 38 years. We began providing engineering services to the Village in 1990 and were officially named the Village Engineer in 1997.

When CBBEL establishes a relationship with a client, our focus is on developing a long-term partnership and becoming an extension of Village staff. This approach allows us to truly gain an understanding of the various opportunities, challenges and needs facing the client, and we are able to customize our services to serve their unique needs. From development of a cutting-edge engineering solution to a unique problem to nurturing sensitivity towards public priorities and concerns, to calling on our extensive network of key agency contacts across the region, CBBEL is committed to drawing upon all of our available resources and 30+ years of experience to provide the Village with the support they need.

CBBEL views our service to the Village as being an extension of the Village staff. We treat any call, email or request from Village staff as if it is our highest priority. There are no off hours for CBBEL in Willowbrook and "24/7 service" is not a catchphrase, but a reality. The reality is that the entire CBBEL team as a whole sets us apart from our competition. With nearly every major engineering discipline in-house, CBBEL can offer outstanding service with one single-minded goal, to make the Village feel like our #1 client. Between our Municipal, Civil, Construction, Structural and Water Resource Departments alone, we have a tremendous amount of experience in Willowbrook. CBBEL has provided the Village nearly every service we have available and our longstanding partnership with the Village has produced many successful projects that continue to benefit the Village and its residents to this day.

GRANT APPLICATIONS

We have deep knowledge and experience with various funding programs available to our County and Municipal clients from the grant writing stage to the design procedures required, as well as record keeping and funding reporting. This knowledge and experience provides our clients an added service not easily found in the engineering industry.

CBBEL will assist the Village in obtaining STP project funding by writing the applications and submitting to DMMC during the next call for projects. CBBEL has been successful in identifying additional funding sources for the 24 different municipalities for whom CBBEL is Village/City Engineer. Grant funding, which we have worked on and have been successful in receiving for clients, include STP/TAP, CDBG, ITEP (Illinois Transportation Enhancement Program), Operation Greenlight, Enhancement, DuPage County Stormwater, DCCA, IEPA, IDNR park grants (OSLAD) and bicycle grants, and CMAQ (Congestion Mitigation and Air Quality).

2020 & 2022 ITEP CYCLE

>$11 MILLION FUNDED

TAB 9
REQUIRED FORMS

REFERENCES

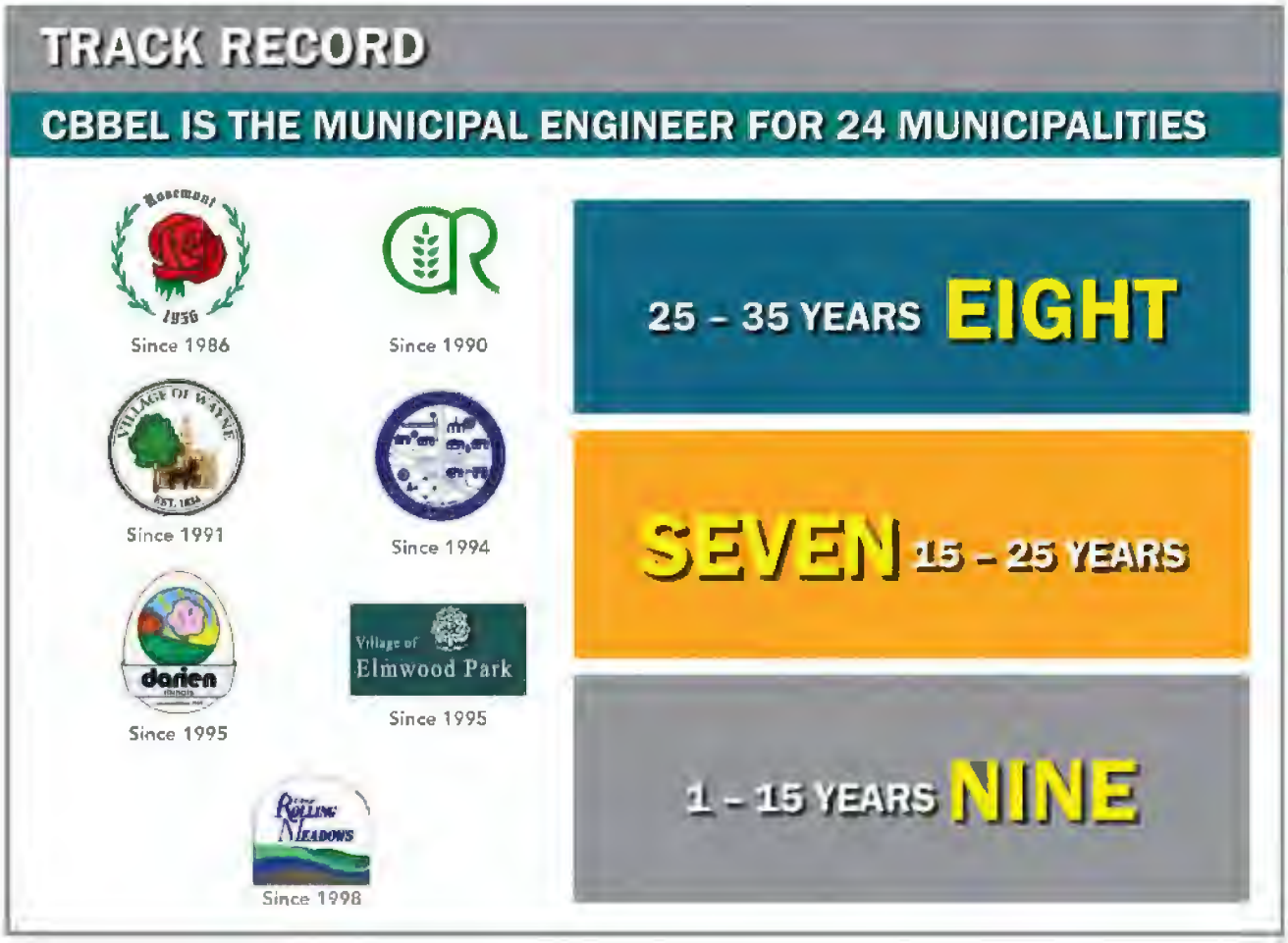
VILLAGE OF ELMWOOD PARK
11 Conti Parkway
Elmwood Park, IL 60707
Contact: Paul Volpe [Village Manager]
708.452.3912 | pvolpe@elmwoodpark.org

VILLAGE OF ALGONQUIN
2200 Harnish Drive
Algonquin, IL 60102
Contact: Nadim Badran [Public Works Director]
847-658-2700 x 4402 | NadimBadran@algonquin.org

VILLAGE OF RIVERSIDE
27 Riverside Road
Riverside, IL 60546
Contact: Dan Tabb [Public Works Director & ADA Administrator]
708.442.3590 | dtabb@riverside.il.us

VILLAGE OF BLOOMINGDALE
201 South Bloomingdale Road
Bloomingdale, IL 60108
Contact: Jim Monkemeyer [Director of Public Works]
630.671.5800 | monkemeyerj@vil.bloomingdale.il.us

VILLAGE OF OAK BROOK
1200 Oak Brook Road (Village Hall)
3003 Jorie Boulevard (PW)
Oak Brook, IL 60523
Contact: Tim O'Malley [Public Works Director]
630.368.5276 | tomalley@oak-brook.org



C. Consultants Certification

The undersigned, being first duly sworn an oath, deposes and states that he has the authority to make this certification on behalf of the proposer for the construction, product, commodity, or service briefly described as follows:

"Professional Consulting Engineering Services."

- The undersigned certifies that, pursuant to Chapter 720, Section 5/33E of the Illinois Compiled Statutes, 1993, the proposer is not barred from bidding on this agreement as a result of a conviction for the violation of State of Illinois laws prohibiting bid rigging or bid-rotating.

- The undersigned states under oath that, pursuant to Chapter 65, Section 5/11-42.1-1 of the Illinois Compiled Statutes, 1993, the proposer is not delinquent in the payment of any tax administered by the Illinois Department of Revenue.

- The undersigned certifies that, pursuant to Chapter 775, Section 5/2-105. of the Illinois Compiled Statutes, 1993, the proposer has a written sexual harassment policy in place including the following information:

    - An acknowledgment of the illegality of sexual harassment.
    - The definition of sexual harassment under State law.
    - A description of sexual harassment, utilizing examples.
    - The Consultant's internal complaint process including penalties.
    - The legal recourse, investigative and complaint process available through the Illinois Department of Human Rights and the Human Rights Commission.
    - Directions on how to contact the Department or the Commission.

This business firm is: (check one)

X Corporation _____Partnership _____Individual

Firm Name: Christopher B. Burke Engineering, Ltd.

Address: 9575 W. Higgins Road, Suite 600

City, State, ZIP: Rosemont, IL 60018

Signature: 

Name Printed: Michael Kerr, PE

Title: President

Telephone: 817.823.0500

Date: May 30, 2024

ATTEST:

SUBSCRIBED AND SWORN TO
before me this 30th day
of May, 2024.

Notary Public

D. Sexual Harassment Policy

Christopher B. Burke Engineering, Ltd. hereinafter referred to as "Consultant" having submitted a qualification statement/bid/proposal for Prefessional Engineering Services to the Village of Willowbrook, DuPage/Cook Counties, Illinois, hereby certifies that said Consultant has a written sexual harassment policy in place in full compliance with 775 ILCS 5/2-105(A)(4) including the following information:

- An acknowledgment of the illegality of sexual harassment.
- The definition of sexual harassment under State law.
- A description of sexual harassment, utilizing examples.
- The proposer's internal complaint process including penalties.

- The legal recourse, investigative and complaint process available through the Illinois Department of Human Rights and the Human Rights Commission.
- Directions on how to contact the Department or the Commission.
- An acknowledgment of protection of a complaint against retaliation as provided in Section 6-101 of the Human Rights Act.

Each consultant must provide a copy of such written policy to the Illinois Department of Human Rights upon request.

By: Michael Kerr, PE
Authorized Agent of Firm

ATTEST:

"OFFICIAL SEAL"
SHERRY SPORINA
Notary Public, State Of Illinois
Commission No. 473836
My Commission Expires 08/13/2027

SEAL

SUBSCRIBED AND SWORN TO
before me this 30th day
of May, 2024.

Notary Public

Christopher B. Burke Engineering, Ltd.

RFQ for Engineering Services for the Village of Willowbrook
May 30, 2024

Rate Increase %			0.0%	3.0%	3.0%	3.0%	3.0%
Rate Discount %		10.0%					
	2024 CBBEL Rates	**2024 Rates (Discounted)**	**2025 Rates**	**2026 Rates**	**2027 Rates**	**2028 Rates**	**2029 Rates**
ENGINEER VI	275	248.00	248.00	255.00	263.00	271.00	279.00
ENGINEER V	235	212.00	212.00	218.00	225.00	232.00	239.00
IN HOUSE VILLAGE ENGINEER SERVICES (PERFORMED BY ENG V)	160	160.00	160.00	165.00	170.00	175.00	180.00
ENGINEER IV	200	180.00	180.00	185.00	191.00	197.00	203.00
ENGINEER III	175	158.00	158.00	163.00	168.00	173.00	178.00
ENGINEER I/II	155	140.00	140.00	144.00	148.00	152.00	157.00
SURVEY V	240	216.00	216.00	222.00	229.00	236.00	243.00
SURVEY IV	220	198.00	198.00	204.00	210.00	216.00	222.00
SURVEY III	200	180.00	180.00	185.00	191.00	197.00	203.00
SURVEY II	160	144.00	144.00	148.00	152.00	157.00	162.00
SURVEY I	135	122.00	122.00	126.00	130.00	135.00	139.00
ENGINEERING TECHNICIAN V	215	194.00	194.00	200.00	206.00	212.00	218.00
ENGINEERING TECHNICIAN IV	190	171.00	171.00	176.00	181.00	187.00	193.00
ENGINEERING TECHNICIAN III	140	126.00	126.00	130.00	134.00	138.00	142.00
ENGINEERING TECHNICIAN I/II	125	113.00	113.00	116.00	120.00	124.00	128.00
CAD MANAGER	210	189.00	189.00	195.00	201.00	207.00	213.00
CAD II	155	140.00	140.00	144.00	148.00	152.00	157.00
GIS SPECIALIST III	175	158.00	158.00	163.00	168.00	173.00	178.00
LANDSCAPE ARCHITECT	200	180.00	180.00	185.00	191.00	197.00	203.00
LANDSCAPE DESIGNER III	155	140.00	140.00	144.00	148.00	152.00	157.00
LANDSCAPE DESIGNER I/II	120	108.00	108.00	111.00	115.00	119.00	123.00
ENVIRONMENTAL RESOURCE SPECIALIST V	235	212.00	212.00	218.00	225.00	232.00	239.00
ENVIRONMENTAL RESOURCE SPECIALIST IV	190	171.00	171.00	176.00	182.00	188.00	194.00
ENVIRONMENTAL RESOURCE SPECIALIST III	150	135.00	135.00	140.00	144.00	148.00	152.00
ENVIRONMENTAL RESOURCE SPECIALIST I/II	125	113.00	113.00	116.00	129.00	133.00	137.00
ENVIRONMENTAL RESOURCE TECHNICIAN	140	126.00	126.00	130.00	134.00	138.00	142.00
BUSINESS OPERATIONS DEPARTMENT	160	144.00	144.00	148.00	152.00	157.00	162.00
ENGINEERING INTERN	75	68.00	68.00	70.00	72.00	74.00	76.00

CHRISTOPHER B. BURKE ENGINEERING, LTD.
STANDARD CHARGES FOR PROFESSIONAL SERVICES
VILLAGE OF WILLOWBROOK

Personnel	Charges ($/Hr)
Engineer VI	248
Engineer V	212
In-House Village Engineer Services	160
Engineer IV	180
Engineer III	158
Engineer I/II	140
Survey V	216
Survey IV	198
Survey III	180
Survey II.	144
Survey I	122
Engineering Technician V	194
Engineering Technician IV	171
Engineering Technician III	126
Engineering Technician I/II	113
CAD Manager	189
CAD II	140
GIS Specialist III	158
Landscape Architect	180
Landscape Designer III	140
Landscape Designer I/II	108
Environmental Resource Specialist V	212
Environmental Resource Specialist IV	171
Environmental Resource Specialist III	135
Environmental Resource Specialist II	113
Environmental Resource Technician	126
Administrative.	144
Engineering Intern	68

Direct Costs

Outside Copies, Blueprints, Messenger, Delivery Services, Mileage	Cost + 12%

*Charges include overhead and profit

Christopher B. Burke Engineering, Ltd. (CBBEL) reserves the right to increase these rates and costs by 3% after the two-year term (January 1, 2026).

EXHIBIT "B"

General Conditions and
First Amendment to General Conditions

CHRISTOPHER B. BURKE ENGINEERING, LTD.
GENERAL TERMS AND CONDITIONS

1. Relationship Between Engineer and Client: Christopher B. Burke Engineering, Ltd. (Engineer) shall serve as Client's professional engineer consultant in those phases of the Project to which this Agreement applies. This relationship is that of a buyer and seller of professional services and as such the Engineer is an independent contractor in the performance of this Agreement and it is understood that the parties have not entered into any joint venture or partnership with the other. The Engineer shall not be considered to be the agent of the Client. Nothing contained in this Agreement shall create a contractual relationship with a cause of action in favor of a third party against either the Client or Engineer.

   Furthermore, causes of action between the parties to this Agreement pertaining to acts of failures to act shall be deemed to have accrued and the applicable statute of limitations shall commence to run not later than the date of substantial completion.

2. Responsibility of the Engineer: Engineer will strive to perform services under this Agreement in accordance with generally accepted and currently recognized engineering practices and principles, and in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions. No other representation, express or implied, and no warranty or guarantee is included or intended in this Agreement, or in any report, opinion, document, or otherwise.

   Notwithstanding anything to the contrary which may be contained in this Agreement or any other material incorporated herein by reference, or in any Agreement between the Client and any other party concerning the Project, the Engineer shall not have control or be in charge of and shall not be responsible for the means, methods, techniques, sequences or procedures of construction, or the safety, safety precautions or programs of the Client, the construction contractor, other contractors or subcontractors performing any of the work or providing any of the services on the Project. Nor shall the Engineer be responsible for the acts or omissions of the Client, or for the failure of the Client, any architect, engineer, consultant, contractor or subcontractor to carry out their respective responsibilities in accordance with the Project documents, this Agreement or any other agreement concerning the Project. Any provision which purports to amend this provision shall be without effect unless it contains a reference that the content of this condition is expressly amended for the purposes described in such amendment and is signed by the Engineer.

3. Changes: Client reserves the right by written change order or amendment to make changes in requirements, amount of work, or engineering time schedule adjustments, and Engineer and Client shall negotiate appropriate adjustments acceptable to both parties to accommodate any changes, if commercially possible.

4. Suspension of Services: Client may, at any time, by written order to Engineer (Suspension of Services Order) require Engineer to stop all, or any part, of the services required by this Agreement. Upon receipt of such an order, Engineer shall immediately comply with its terms and take all reasonable steps to minimize the costs associated with the services affected by such order. Client, however, shall pay all costs incurred by the suspension, including all costs necessary to maintain continuity and for the

resumptions of the services upon expiration of the Suspension of Services Order. Engineer will not be obligated to provide the same personnel employed prior to suspension, when the services are resumed, in the event that the period of suspension is greater than thirty (30) days.

5. Termination: This Agreement may be terminated by either party upon thirty (30) days written notice in the event of substantial failure by the other party to perform in accordance with the terms hereof through no fault of the terminating party. This Agreement may be terminated by Client, under the same terms, whenever Client shall determine that termination is in its best interests. Cost of termination, including salaries, overhead and fee, incurred by Engineer either before or after the termination date shall be reimbursed by Client.

6. Documents Delivered to Client: Drawings, specifications, reports, and any other Project Documents prepared by Engineer in connection with any or all of the services furnished hereunder shall be delivered to the Client for the use of the Client. Engineer shall have the right to retain originals of all Project Documents and drawings for its files. Furthermore, it is understood and agreed that the Project Documents such as, but not limited to reports, calculations, drawings, and specifications prepared for the Project, whether in hard copy or machine readable form, are instruments of professional service intended for one-time use in the construction of this Project. These Project Documents are and shall remain the property of the Engineer. The Client may retain copies, including copies stored on magnetic tape or disk, for information and reference in connection with the occupancy and use of the Project.

   When and if record drawings are to be provided by the Engineer, Client understands that information used in the preparation of record drawings is provided by others and Engineer is not responsible for accuracy, completeness, nor sufficiency of such information. Client also understands that the level of detail illustrated by record drawings will generally be the same as the level of detail illustrated by the design drawing used for project construction. If additional detail is requested by the Client to be included on the record drawings, then the Client understands and agrees that the Engineer will be due additional compensation for additional services.

   It is also understood and agreed that because of the possibility that information and data delivered in machine readable form may be altered, whether inadvertently or otherwise, the Engineer reserves the right to retain the original tapes/disks and to remove from copies provided to the Client all identification reflecting the involvement of the Engineer in their preparation. The Engineer also reserves the right to retain hard copy originals of all Project Documentation delivered to the Client in machine readable form, which originals shall be referred to and shall govern in the event of any inconsistency between the two.

   The Client understands that the automated conversion of information and data from the system and format used by the Engineer to an alternate system or format cannot be accomplished without the introduction of inexactitudes, anomalies, and errors. In the event Project Documentation provided to the Client in machine readable form is so converted, the Client agrees to assume all risks associated therewith and, to the fullest

extent permitted by law, to hold harmless and indemnify the Engineer from and against all claims, liabilities, losses, damages, and costs, including but not limited to attorney's fees, arising therefrom or in connection therewith.

The Client recognizes that changes or modifications to the Engineer's instruments of professional service introduced by anyone other than the Engineer may result in adverse consequences which the Engineer can neither predict nor control. Therefore, and in consideration of the Engineer's agreement to deliver its instruments of professional service in machine readable form, the Client agrees, to the fullest extent permitted by law, to hold harmless and indemnify the Engineer from and against all claims, liabilities, losses, damages, and costs, including but not limited to attorney's fees, arising out of or in any way connected with the modification, misinterpretation, misuse, or reuse by others of the machine readable information and data provided by the Engineer under this Agreement. The foregoing indemnification applies, without limitation, to any use of the Project Documentation on other projects, for additions to this Project, or for completion of this Project by others, excepting only such use as may be authorized, in writing, by the Engineer.

7. Reuse of Documents: All Project Documents including but not limited to reports, opinions of probable costs, drawings and specifications furnished by Engineer pursuant to this Agreement are intended for use on the Project only. They cannot be used by Client or others on extensions of the Project or any other project. Any reuse, without specific written verification or adaptation by Engineer, shall be at Client's sole risk, and Client shall indemnify and hold harmless Engineer from all claims, damages, losses, and expenses including attorney's fees arising out of or resulting therefrom.

   The Engineer shall have the right to include representations of the design of the Project, including photographs of the exterior and interior, among the Engineer's promotional and professional materials. The Engineer's materials shall not include the Client's confidential and proprietary information if the Client has previously advised the Engineer in writing of the specific information considered by the Client to be confidential and proprietary.

8. Standard of Practice: The Engineer will strive to conduct services under this agreement in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions as of the date of this Agreement.

9. Compliance With Laws: The Engineer will strive to exercise usual and customary professional care in his/her efforts to comply with those laws, codes, ordinance and regulations which are in effect as of the date of this Agreement.

   With specific respect to prescribed requirements of the Americans with Disabilities Act of 1990 or certified state or local accessibility regulations (ADA), Client understands ADA is a civil rights legislation and that interpretation of ADA is a legal issue and not a design issue and, accordingly, retention of legal counsel (by Client) for purposes of interpretation is advisable. As such and with respect to ADA, Client agrees to waive any action against Engineer, and to indemnify and defend Engineer against any claim arising from Engineer's alleged failure to meet ADA requirements prescribed.

Further to the law and code compliance, the Client understands that the Engineer will strive to provide designs in accordance with the prevailing Standards of Practice as previously set forth, but that the Engineer does not warrant that any reviewing agency having jurisdiction will not for its own purposes comment, request changes and/or additions to such designs. In the event such design requests are made by a reviewing agency, but which do not exist in the form of a written regulation, ordinance or other similar document as published by the reviewing agency, then such design changes (at substantial variance from the intended design developed by the Engineer), if effected and incorporated into the project documents by the Engineer, shall be considered as Supplementary Task(s) to the Engineer's Scope of Service and compensated for accordingly.

10. Indemnification: Engineer shall indemnify and hold harmless Client up to the amount of this contract fee (for services) from loss or expense, including reasonable attorney's fees for claims for personal injury (including death) or property damage to the extent caused by the sole negligent act, error or omission of Engineer.

    Client shall indemnify and hold harmless Engineer under this Agreement, from loss or expense, including reasonable attorney's fees, for claims for personal injuries (including death) or property damage arising out of the sole negligent act, error omission of Client.

    In the event of joint or concurrent negligence of Engineer and Client, each shall bear that portion of the loss or expense that its share of the joint or concurrent negligence bears to the total negligence (including that of third parties), which caused the personal injury or property damage.

    Engineer shall not be liable for special, incidental or consequential damages, including, but not limited to loss of profits, revenue, use of capital, claims of customers, cost of purchased or replacement power, or for any other loss of any nature, whether based on contract, tort, negligence, strict liability or otherwise, by reasons of the services rendered under this Agreement.

11. Opinions of Probable Cost: Since Engineer has no control over the cost of labor, materials or equipment, or over the Contractor(s) method of determining process, or over competitive bidding or market conditions, his/her opinions of probable Project Construction Cost provided for herein are to be made on the basis of his/her experience and qualifications and represent his/her judgement as a design professional familiar with the construction industry, but Engineer cannot and does not guarantee that proposal, bids or the Construction Cost will not vary from opinions of probable construction cost prepared by him/her. If prior to the Bidding or Negotiating Phase, Client wishes greater accuracy as to the Construction Cost, the Client shall employ an independent cost estimator Consultant for the purpose of obtaining a second construction cost opinion independent from Engineer.

12. Governing Law & Dispute Resolutions: This Agreement shall be governed by and construed in accordance with Articles previously set forth by (Item 9 of) this Agreement, together with the laws of the **State of Illinois**.

Any claim, dispute or other matter in question arising out of or related to this Agreement, which can not be mutually resolved by the parties of this Agreement, shall be subject to mediation as a condition precedent to arbitration (if arbitration is agreed upon by the parties of this Agreement) or the institution of legal or equitable proceedings by either party. If such matter relates to or is the subject of a lien arising out of the Engineer's services, the Engineer may proceed in accordance with applicable law to comply with the lien notice or filing deadlines prior to resolution of the matter by mediation or by arbitration.

The Client and Engineer shall endeavor to resolve claims, disputes and other matters in question between them by mediation which, unless the parties mutually agree otherwise, shall be in accordance with the Construction Industry Mediation Rules of the American Arbitration Association currently in effect. Requests for mediation shall be filed in writing with the other party to this Agreement and with the American Arbitration Association. The request may be made concurrently with the filing of a demand for arbitration but, in such event, mediation shall proceed in advance of arbitration or legal or equitable proceedings, which shall be stayed pending mediation for a period of 60 days from the date of filing, unless stayed for a longer period by agreement of the parties or court order.

The parties shall share the mediator's fee and any filing fees equally. The mediation shall be held in the place where the Project is located, unless another location is mutually agreed upon. Agreements reached in mediation shall be enforceable as settlement agreements in any court having jurisdiction thereof.

13. Successors and Assigns: The terms of this Agreement shall be binding upon and inure to the benefit of the parties and their respective successors and assigns: provided, however, that neither party shall assign this Agreement in whole or in part without the prior written approval of the other.

14. Waiver of Contract Breach: The waiver of one party of any breach of this Agreement or the failure of one party to enforce at any time, or for any period of time, any of the provisions hereof, shall be limited to the particular instance, shall not operate or be deemed to waive any future breaches of this Agreement and shall not be construed to be a waiver of any provision, except for the particular instance.

15. Entire Understanding of Agreement: This Agreement represents and incorporates the entire understanding of the parties hereto, and each party acknowledges that there are no warranties, representations, covenants or understandings of any kind, matter or description whatsoever, made by either party to the other except as expressly set forth herein. Client and the Engineer hereby agree that any purchase orders, invoices, confirmations, acknowledgments or other similar documents executed or delivered with respect to the subject matter hereof that conflict with the terms of the Agreement shall be null, void & without effect to the extent they conflict with the terms of this Agreement.

16. Amendment: This Agreement shall not be subject to amendment unless another instrument is duly executed by duly authorized representatives of each of the parties and entitled "Amendment of Agreement".

17. Severability of Invalid Provisions: If any provision of the Agreement shall be held to contravene or to be invalid under the laws of any particular state, county or jurisdiction where used, such contravention shall not invalidate the entire Agreement, but it shall be construed as if not containing the particular provisions held to be invalid in the particular state, country or jurisdiction and the rights or obligations of the parties hereto shall be construed and enforced accordingly.

18. Force Majeure: Neither Client nor Engineer shall be liable for any fault or delay caused by any contingency beyond their control including but not limited to acts of God, wars, strikes, walkouts, fires, natural calamities, or demands or requirements of governmental agencies.

19. Subcontracts: Engineer may subcontract portions of the work, but each subcontractor must be approved by Client in writing.

20. Access and Permits: Client shall arrange for Engineer to enter upon public and private property and obtain all necessary approvals and permits required from all governmental authorities having jurisdiction over the Project. Client shall pay costs (including Engineer's employee salaries, overhead and fee) incident to any effort by Engineer toward assisting Client in such access, permits or approvals, if Engineer perform such services.

21. Designation of Authorized Representative: Each party (to this Agreement) shall designate one or more persons to act with authority in its behalf in respect to appropriate aspects of the Project. The persons designated shall review and respond promptly to all communications received from the other party.

22. Notices: Any notice or designation required to be given to either party hereto shall be in writing, and unless receipt of such notice is expressly required by the terms hereof shall be deemed to be effectively served when deposited in the mail with sufficient first class postage affixed, and addressed to the party to whom such notice is directed at such party's place of business or such other address as either party shall hereafter furnish to the other party by written notice as herein provided.

23. Limit of Liability: The Client and the Engineer have discussed the risks, rewards, and benefits of the project and the Engineer's total fee for services. In recognition of the relative risks and benefits of the Project to both the Client and the Engineer, the risks have been allocated such that the Client agrees that to the fullest extent permitted by law, the Engineer's total aggregate liability to the Client for any and all injuries, claims, costs, losses, expenses, damages of any nature whatsoever or claim expenses arising out of this Agreement from any cause or causes, including attorney's fees and costs, and expert witness fees and costs, shall not exceed the total Engineer's fee for professional engineering services rendered on this project as made part of this Agreement. Such causes included but are not limited to the Engineer's negligence, errors, omissions, strict liability or breach of contract. It is intended that this limitation apply to any and all liability or cause of action however alleged or arising, unless otherwise prohibited by law.

24. Client's Responsibilities: The Client agrees to provide full information regarding requirements for and about the Project, including a program which shall set forth the Client's objectives, schedule, constraints, criteria, special equipment, systems and site requirements.

The Client agrees to furnish and pay for all legal, accounting and insurance counseling services as may be necessary at any time for the Project, including auditing services which the Client may require to verify the Contractor's Application for Payment or to ascertain how or for what purpose the Contractor has used the money paid by or on behalf of the Client.

The Client agrees to require the Contractor, to the fullest extent permitted by law, to indemnify, hold harmless, and defend the Engineer, its consultants, and the employees and agents of any of them from and against any and all claims, suits, demands, liabilities, losses, damages, and costs (''Losses''), including but not limited to costs of defense, arising in whole or in part out of the negligence of the Contractor, its subcontractors, the officers, employees, agents, and subcontractors of any of them, or anyone for whose acts any of them may be liable, regardless of whether or not such Losses are caused in part by a party indemnified hereunder. Specifically excluded from the foregoing are Losses arising out of the preparation or approval of maps, drawings, opinions, reports, surveys, change orders, designs, or specifications, and the giving of or failure to give directions by the Engineer, its consultants, and the agents and employees of any of them, provided such giving or failure to give is the primary cause of Loss. The Client also agrees to require the Contractor to provide to the Engineer the required certificate of insurance.

The Client further agrees to require the Contractor to name the Engineer, its agents and consultants as additional insureds on the Contractor's policy or policies of comprehensive or commercial general liability insurance. Such insurance shall include products and completed operations and contractual liability coverages, shall be primary and noncontributing with any insurance maintained by the Engineer or its agents and consultants, and shall provide that the Engineer be given thirty days, unqualified written notice prior to any cancellation thereof.

In the event the foregoing requirements, or any of them, are not established by the Client and met by the Contractor, the Client agrees to indemnify and hold harmless the Engineer, its employees, agents, and consultants from and against any and all Losses which would have been indemnified and insured against by the Contractor, but were not.

When Contract Documents prepared under the Scope of Services of this contract require insurance(s) to be provided, obtained and/or otherwise maintained by the Contractor, the Client agrees to be wholly responsible for setting forth any and all such insurance requirements. Furthermore, any document provided for Client review by the Engineer under this Contract related to such insurance(s) shall be considered as sample insurance requirements and not the recommendation of the Engineer. Client agrees to have their own risk management department review any and all insurance requirements for adequacy and to determine specific types of insurance(s) required for the project. Client further agrees that decisions concerning types and amounts of insurance are

specific to the project and shall be the product of the Client. As such, any and all insurance requirements made part of Contract Documents prepared by the Engineer are not to be considered the Engineer's recommendation, and the Client shall make the final decision regarding insurance requirements.

25. Information Provided by Others: The Engineer shall indicate to the Client the information needed for rendering of the services of this Agreement. The Client shall provide to the Engineer such information as is available to the Client and the Client's consultants and contractors, and the Engineer shall be entitled to rely upon the accuracy and completeness thereof. The Client recognizes that it is impossible for the Engineer to assure the accuracy, completeness and sufficiency of such information, either because it is impossible to verify, or because of errors or omissions which may have occurred in assembling the information the Client is providing. Accordingly, the Client agrees, to the fullest extent permitted by law, to indemnify and hold the Engineer and the Engineer's subconsultants harmless from any claim, liability or cost (including reasonable attorneys' fees and cost of defense) for injury or loss arising or allegedly arising from errors, omissions or inaccuracies in documents or other information provided by the Client to the Engineer.

26. Payment: Client shall be invoiced once each month for work performed during the preceding period. Client agrees to pay each invoice within thirty (30) days of its receipt. The client further agrees to pay interest on all amounts invoiced and not paid or objected to for valid cause within said thirty (30) day period at the rate of eighteen (18) percent per annum (or the maximum interest rate permitted under applicable law, whichever is the lesser) until paid. Client further agrees to pay Engineer's cost of collection of all amounts due and unpaid after sixty (60) days, including court costs and reasonable attorney's fees, as well as costs attributed to suspension of services accordingly and as follows:

    Collection Costs. In the event legal action is necessary to enforce the payment provisions of this Agreement, the Engineer shall be entitled to collect from the Client any judgement or settlement sums due, reasonable attorneys' fees, court costs and expenses incurred by the Engineer in connection therewith and, in addition, the reasonable value of the Engineer's time and expenses spent in connection with such collection action, computed at the Engineer's prevailing fee schedule and expense policies.

    Suspension of Services. If the Client fails to make payments when due or otherwise is in breach of this Agreement, the Engineer may suspend performance of services upon five (5) calendar days' notice to the Client. The Engineer shall have no liability whatsoever to the Client for any costs or damages as a result of such suspension caused by any breach of this Agreement by the Client. Client will reimburse Engineer for all associated costs as previously set forth in (Item 4 of) this Agreement.

27. When construction observation tasks are part of the service to be performed by the Engineer under this Agreement, the Client will include the following clause in the construction contract documents and Client agrees not to modify or delete it:

Kotecki Waiver. Contractor (and any subcontractor into whose subcontract this clause is incorporated) agrees to assume the entire liability for all personal injury claims suffered by its own employees, including without limitation claims under the **Illinois** Structural Work Act, asserted by persons allegedly injured on the Project; waives any limitation of liability defense based upon the Worker's Compensation Act, court interpretations of said Act or otherwise; and to the fullest extent permitted by law, agrees to indemnify and hold harmless and defend Owner and Engineer and their agents, employees and consultants (the "Indemnitees") from and against all such loss, expense, damage or injury, including reasonable attorneys' fees, that the Indemnitees may sustain as a result of such claims, except to the extent that **Illinois** law prohibits indemnity for the Indemnitees' own negligence. The Owner and Engineer are designated and recognized as explicit third party beneficiaries of the Kotecki Waiver within the general contract and all subcontracts entered into in furtherance of the general contract.

28. Job Site Safety/Supervision & Construction Observation: The Engineer shall neither have control over or charge of, nor be responsible for, the construction means, methods, techniques, sequences of procedures, or for safety precautions and programs in connection with the Work since they are solely the Contractor's rights and responsibilities. The Client agrees that the Contractor shall supervise and direct the work efficiently with his/her best skill and attention; and that the Contractor shall be solely responsible for the means, methods, techniques, sequences and procedures of construction and safety at the job site. The Client agrees and warrants that this intent shall be carried out in the Client's contract with the Contractor. The Client further agrees that the Contractor shall be responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the work; and that the Contractor shall take all necessary precautions for the safety of, and shall provide the necessary protection to prevent damage, injury or loss to all employees on the subject site and all other persons who may be affected thereby. The Engineer shall have no authority to stop the work of the Contractor or the work of any subcontractor on the project.

When construction observation services are included in the Scope of Services, the Engineer shall visit the site at intervals appropriate to the stage of the Contractor's operation, or as otherwise agreed to by the Client and the Engineer to: 1) become generally familiar with and to keep the Client informed about the progress and quality of the Work; 2) to strive to bring to the Client's attention defects and deficiencies in the Work and; 3) to determine in general if the Work is being performed in a manner indicating that the Work, when fully completed, will be in accordance with the Contract Documents. However, the Engineer shall not be required to make exhaustive or continuous on-site inspections to check the quality or quantity of the Work. If the Client desires more extensive project observation, the Client shall request that such services be provided by the Engineer as Additional and Supplemental Construction Observation Services in accordance with the terms of this Agreement.

The Engineer shall not be responsible for any acts or omissions of the Contractor, subcontractor, any entity performing any portions of the Work, or any agents or employees of any of them. The Engineer does not guarantee the performance of the

Contractor and shall not be responsible for the Contractor's failure to perform its Work in accordance with the Contract Documents or any applicable laws, codes, rules or regulations.

When municipal review services are included in the Scope of Services, the Engineer (acting on behalf of the municipality), when acting in good faith in the discharge of its duties, shall not thereby render itself liable personally and is, to the maximum extent permitted by law, relieved from all liability for any damage that may accrue to persons or property by reason of any act or omission in the discharge of its duties. Any suit brought against the Engineer which involve the acts or omissions performed by it in the enforcement of any provisions of the Client's rules, regulation and/or ordinance shall be defended by the Client until final termination of the proceedings. The Engineer shall be entitled to all defenses and municipal immunities that are, or would be, available to the Client.

29. Insurance and Indemnification: The Engineer and the Client understand and agree that the Client will contractually require the Contractor to defend and indemnify the Engineer and/or any subconsultants from any claims arising from the Work. The Engineer and the Client further understand and agree that the Client will contractually require the Contractor to procure commercial general liability insurance naming the Engineer as an additional named insured with respect to the work. The Contractor shall provide to the Client certificates of insurance evidencing that the contractually required insurance coverage has been procured. However, the Contractor’s failure to provide the Client with the requisite certificates of insurance shall not constitute a waiver of this provision by the Engineer.

The Client and Engineer waive all rights against each other and against the Contractor and consultants, agents and employees of each of them for damages to the extent covered by property insurance during construction. The Client and Engineer each shall require similar waivers from the Contractor, consultants, agents and persons or entities awarded separate contracts administered under the Client's own forces.

30. Hazardous Materials/Pollutants: Unless otherwise provided by this Agreement, the Engineer and Engineer's consultants shall have no responsibility for the discovery, presence, handling, removal or disposal of or exposure of persons to hazardous materials/pollutants in any form at the Project site, including but not limited to mold/mildew, asbestos, asbestos products, polychlorinated biphenyl (PCB) or other toxic/hazardous/pollutant type substances.

Furthermore, Client understands that the presence of mold/mildew and the like are results of prolonged or repeated exposure to moisture and the lack of corrective action. Client also understands that corrective action is a operation, maintenance and repair activity for which the Engineer is not responsible.

FIRST AMENDMENT TO THE GENERAL TERMS AND CONDITIONS OF THAT CERTAIN AGREEMENT BY AND BETWEEN CHRISTOPHER B. BURKE ENGINEERING, LTD. AND THE VILLAGE OF WILLOWBROOK FOR PROFESSIONAL ENGINEERING SERVICES TO THE VILLAGE OF WILLOWBROOK

That certain Agreement by and between CHRISTOPHER B. BURKE ENGINEERING, LTD. (the "Engineer") and the VILLAGE OF WILLOWBROOK, to provide professional engineering services to the Village of Willowbrook (the "Client"), is hereby amended, by amending the "Christopher B. Burke Engineering, Ltd. General Terms and Conditions" as hereinafter set forth:

1. Paragraph 10, entitled "Indemnification" of the General Terms and Conditions is hereby amended to read as follows:

Indemnification: Engineer shall indemnify and hold harmless Client. Engineer shall defend, indemnify and hold harmless Client, its elected officials, managers, officers, employees, agents, representatives and successors and all persons acting by, through, under or in concert with them, from and against any and all liabilities, claims, suits, obligations, losses, penalties, judgments, including costs and reasonable attorneys' fees, to the extent caused by the sole negligent or willful act, or error or omission of Engineer, its employees, agents or assigns.

Indemnification: Client shall indemnify and hold harmless Engineer. Client agrees to defend, indemnify and hold harmless Engineer, its elected officials, managers, officers, employees, agents, representatives and successors and all persons acting by, through, under or in concert with them, from and against any and all liabilities, claims, suits, obligations, losses, penalties, judgments, including costs and reasonable attorneys' fees, to the extent caused by the sole willful or wanton act of Client, its employees or agents.

Neither party shall be liable for any special incidental or consequential damages including, but not limited to loss of profits, revenue, use of capital, claims of customers, cost of purchased or replacement power, or for any other loss of any nature, whether based on contract, tort, negligence, strict liability or otherwise, by reasons of the services rendered under this Agreement.

2. Paragraph 23, entitled "Limit of Liability" of the General Terms and Conditions, shall be deleted in its entirety.

3. Paragraph 24, entitled "Client's Responsibilities" of the General Terms and Conditions shall be amended to read as follows:

Additional Responsibilities of Client and Engineer: The Client agrees to provide full information regarding requirements for and about the Project, including a program which shall set forth the Client's objectives, schedule, constraints, criteria, special equipment, systems and site requirements.

The Client shall name the Engineer, its agents and consultants, as an additional insured on the Client's policy or policies of general liability insurance.

Client shall provide Engineer a copy of said Certificate of Insurance and shall provide that the Engineer be given thirty (30) days, unqualified written notice prior to cancellation thereof.

The Engineer further agrees to name the Client, its agents, employees and elected officials as additional insureds on Engineer's policy or policies of comprehensive and/or commercial general liability insurance including Engineer's policies of insurance for workers' compensation. Workers' Compensation Insurance shall be in such amounts as required by the Illinois Department of Labor. Engineer shall provide Client with a Certificate of Insurance naming Client as an additional insured and Client shall be given thirty (30) days, unqualified written notice prior to any cancellation thereof.

4. Paragraph 26, entitled "Payment" of the General Terms and Conditions, shall be amended to read as follows:

Payment: Client shall be invoiced once a month for work performed during the preceding month. Client agrees to pay each invoice in accord with the provisions of the Illinois Governmental Prompt Payment Act.

Suspension of Services: If Client fails to make payments when due, or otherwise is in breach of this Agreement, the Engineer may suspend performance of services upon five (5) business days' written notice to the Client. The Engineer shall have no liability whatsoever to the Client for any costs or damages as a result of such suspension caused by any breach of this Agreement by the Client. Client will reimburse Engineer for all associated costs previously set forth in (Item 4 of) this agreement.

5. The remaining provisions of the General Terms and Conditions, unamended by this First Amendment to Christopher B. Burke Engineering, Ltd. General Terms and Conditions, shall remain in full force and effect and unamended by this First Amendment.

READ, APPROVED AND AGREED	READ, APPROVED AND AGREED
VILLAGE OF WILLOWBROOK	CHRISTOPHER B. BURKE ENGINEERING, LTD.
By:_____ Frank A. Trilla, Mayor	By:_____ Michael E. Kerr, PE, President and duly authorized agent
Date:_____	Date:_____

ATTEST:

_____
Deborah A. Hahn, Village Clerk

Return to Agenda

RESOLUTION NO. 24-R-_____

A RESOLUTION APPROVING AND AUTHORIZING THE EXECUTION OF AN AGREEMENT FOR PROFESSIONAL ENGINEERING SERVICES FOR THE VILLAGE OF WILLOWBROOK BY AND BETWEEN KLUBER, INC. AND THE VILLAGE OF WILLOWBROOK

WHEREAS, the Corporate Authorities of the Village of Willowbrook (the "Village") have determined that it is in the best interest of the Village to enter into a professional engineering services agreement with Kluber, Inc. ("Kluber") for the provision of professional engineering services for the Village of Willowbrook; and

WHEREAS, the Village desires to retain Kluber to provide the aforesaid professional engineering services to the Village.

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK]

NOW, THEREFORE, BE IT RESOLVED by the Mayor and Board of Trustees of the Village of Willowbrook, DuPage County, Illinois, that the certain Proposal and Agreement by and between the Village of Willowbrook and Kluber, Inc. for Professional Engineering Services on behalf of the Village, be and is hereby approved and the Mayor and Village Clerk be and the same are hereby authorized to execute and attest, all on behalf of the Village of Willowbrook, to that certain Professional Services Agreement, attached hereto as Exhibit "A" and made a part hereof.

PASSED and APPROVED by the Mayor and Board of Trustees of the Village of Willowbrook this 8th day of July, 2024 by a ROLL CALL VOTE as follows:

AYES: _____

NAYS: _____

ABSTENTIONS: _____

ABSENT: _____

APPROVED:

_____
Frank A. Trilla, Mayor

ATTEST:

_____
Deborah A. Hahn, Village Clerk

EXHIBIT "A"

Kluber, Inc.
Professional Services Agreement

AIA® Document B102® – 2017

Standard Form of Agreement Between Owner and Architect without a Predefined Scope of Architect's Services

AGREEMENT made as of the day of July in the year 2024
(In words, indicate day, month and year.)

BETWEEN the Architect's client identified as the Owner:
(Name, legal status, address and other information)

Village of Willowbrook
835 Midway Drive
Willowbrook, IL 60527

and the Architect:
(Name, legal status, address and other information)

Kluber, Inc.
41 W. Benton Street
Aurora, IL 60506

for the following (hereinafter referred to as "the Project"):
(Insert information related to types of services, location, facilities, or other descriptive information as appropriate.)

Engineering Services as determined by the Village of Willowbrook

The Owner and Architect agree as follows.

ADDITIONS AND DELETIONS:
The author of this document has added information needed for its completion. The author may also have revised the text of the original AIA standard form. An *Additions and Deletions Report* that notes added information as well as revisions to the standard form text is available from the author and should be reviewed. A vertical line in the left margin of this document indicates where the author has added necessary information and where the author has added to or deleted from the original AIA text.

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

TABLE OF ARTICLES

1 ARCHITECT'S RESPONSIBILITIES

2 OWNER'S RESPONSIBILITIES

3 COPYRIGHTS AND LICENSES

4 CLAIMS AND DISPUTES

5 TERMINATION OR SUSPENSION

6 COMPENSATION

7 MISCELLANEOUS PROVISIONS

8 SPECIAL TERMS AND CONDITIONS

9 SCOPE OF THE AGREEMENT

ARTICLE 1 ARCHITECT'S RESPONSIBILITIES

§ 1.1 The Architect shall provide the following professional services:
(Describe the scope of the Architect's services or identify an exhibit or scope of services document setting forth the Architect's services and incorporated into this document in Section 9.2.)

To be determined for specific Projects as requested by the Village of Willowbrook

§ 1.1.1 The Architect represents that it is properly licensed in the jurisdiction where the Project is located to provide the services required by this Agreement, or shall cause such services to be performed by appropriately licensed design professionals.

§ 1.2 The Architect shall perform its services consistent with the professional skill and care ordinarily provided by architects practicing in the same or similar locality under the same or similar circumstances. The Architect shall perform its services as expeditiously as is consistent with such professional skill and care and the orderly progress of the Project.

§ 1.3 The Architect identifies the following representative authorized to act on behalf of the Architect with respect to the Project.
(List name, address, and other contact information.)

Charlie Johnsos
Project Manager
Kluber, Inc.
41 W. Benton Street
Aurora, IL 60506
630-406-1213

§ 1.4 Except with the Owner's knowledge and consent, the Architect shall not engage in any activity, or accept any employment, interest or contribution that would reasonably appear to compromise the Architect's professional judgment with respect to this Project.

§ 1.5 The Architect shall maintain the following insurance until termination of this Agreement. If any of the requirements set forth below are in addition to the types and limits the Architect normally maintains, the Owner shall pay the Architect as set forth in Section 6.2.3.

§ 1.5.1 Commercial General Liability with policy limits of not less than Two Million Dollars and Zero Cents ($2,000,000.00) for each occurrence and Four Million Dollars and Zero Cents ($4,000,000.00) in the aggregate for bodily injury and property damage.

§ 1.5.2 Automobile Liability covering vehicles owned, and non-owned vehicles used, by the Architect with policy limits of not less than One Million Dollars and Zero Cents ($ 1,000,000.00) per accident for bodily injury, death of any person, and property damage arising out of the ownership, maintenance and use of those motor vehicles, along with any other statutorily required automobile coverage.

§ 1.5.3 The Architect may achieve the required limits and coverage for Commercial General Liability and Automobile Liability through a combination of primary and excess or umbrella liability insurance, provided such primary and excess or umbrella liability insurance policies result in the same or greater coverage as the coverages required under Sections 1.5.1 and 1.5.2, and in no event shall any excess or umbrella liability insurance provide narrower coverage than the primary policy. The excess policy shall not require the exhaustion of the underlying limits only through the actual payment by the underlying insurers.

§ 1.5.4 Workers' Compensation at statutory limits.

§ 1.5.5 Employers' Liability with policy limits not less than One Million Dollars and Zero Cents ($ 1,000,000.00) each accident, One Million Dollars and Zero Cents ($ 1,000,000.00) each employee, and One Million Dollars and Zero Cents ($ 1,000,000.00) policy limit.

§ 1.5.6 Professional Liability covering negligent acts, errors and omissions in the performance of professional services with policy limits of not less than Two Million Dollars and Zero Cents ($ 2,000,000.00) per claim and Five Million Dollars and Zero Cents ($ 5,000,000.00) in the aggregate.

§ 1.5.7 Additional Insured Obligations. If requested by the Owner, to the fullest extent permitted by law, the Architect shall cause the primary and excess or umbrella polices for Commercial General Liability and Automobile Liability to include the Owner as an additional insured for claims caused in whole or in part by the Architect's negligent acts or omissions. The additional insured coverage shall be primary and non-contributory to any of the Owner's insurance policies and shall apply to both ongoing and completed operations.

§ 1.5.8 The Architect shall provide certificates of insurance to the Owner that evidence compliance with the requirements in this Section 1.5.

ARTICLE 2 OWNER'S RESPONSIBILITIES

§ 2.1 Unless otherwise provided for under this Agreement, the Owner shall provide information in a timely manner regarding requirements for and limitations on the Project, including a written program, which shall set forth the Owner's objectives; schedule; constraints and criteria, including space requirements and relationships; flexibility; expandability; special equipment; systems; and site requirements.

§ 2.2 The Owner identifies the following representative authorized to act on the Owner's behalf with respect to the Project. The Owner shall render decisions and approve the Architect's submittals in a timely manner in order to avoid unreasonable delay in the orderly and sequential progress of the Architect's services.
(List name, address, and other contact information.)

Sean Halloran.
Village Administrator
Village of Willowbrook
835 Midway Drive
Willowbrook, IL 60527
630-920-2230

§ 2.3 The Owner shall coordinate the services of its own consultants with those services provided by the Architect. Upon the Architect's request, the Owner shall furnish copies of the scope of services in the contracts between the Owner and the Owner's consultants. The Owner shall furnish the services of consultants other than those designated as the responsibility of the Architect in this Agreement, or authorize the Architect to furnish them as an Additional

Service, when the Architect requests such services and demonstrates that they are reasonably required by the scope of the Project. The Owner shall require that its consultants and contractors maintain insurance, including professional liability insurance, as appropriate to the services or work provided.

§ 2.4 The Owner shall furnish all legal, insurance and accounting services, including auditing services, that may be reasonably necessary at any time for the Project to meet the Owner's needs and interests.

§ 2.5 The Owner shall provide prompt written notice to the Architect if the Owner becomes aware of any fault or defect in the Project, including errors, omissions or inconsistencies in the Architect's Instruments of Service.

§ 2.6 Within 15 days after receipt of a written request from the Architect, the Owner shall furnish the requested information as necessary and relevant for the Architect to evaluate, give notice of, or enforce lien rights.

ARTICLE 3 COPYRIGHTS AND LICENSES

§ 3.1 The Architect and the Owner warrant that in transmitting Instruments of Service, or any other information, the transmitting party is the copyright owner of such information or has permission from the copyright owner to transmit such information for its use on the Project.

§ 3.2 The Architect and the Architect's consultants shall be deemed the authors and owners of their respective Instruments of Service, including the Drawings and Specifications, and shall retain all common law, statutory and other reserved rights, including copyrights. Submission or distribution of Instruments of Service to meet official regulatory requirements or for similar purposes in connection with the Project is not to be construed as publication in derogation of the reserved rights of the Architect and the Architect's consultants.

§ 3.3 The Architect grants to the Owner a nonexclusive license to use the Architect's Instruments of Service solely and exclusively for the purposes of evaluating, constructing, using, maintaining, altering and adding to the Project, provided that the Owner substantially performs its obligations under this Agreement, including prompt payment of all sums due pursuant to Article 5 and Article 6. The Architect shall obtain similar nonexclusive licenses from the Architect's consultants consistent with this Agreement. The license granted under this section permits the Owner to authorize the Contractor, Subcontractors, Sub-subcontractors, and suppliers, as well as the Owner's consultants and separate contractors, to reproduce applicable portions of the Instruments of Service solely and exclusively for use in performing services or construction for the Project. If the Architect rightfully terminates this Agreement for cause as provided in Section 5.4, the license granted in this Section 3.3 shall terminate.

§ 3.3.1 In the event the Owner uses the Instruments of Service without retaining the authors of the Instruments of Service, the Owner releases the Architect and Architect's consultant(s) from all claims and causes of action arising from such uses. The Owner, to the extent permitted by law, further agrees to indemnify and hold harmless the Architect and its consultants from all costs and expenses, including the cost of defense, related to claims and causes of action asserted by any third person or entity to the extent such costs and expenses arise from the Owner's use of the Instruments of Service under this Section 3.3.1. The terms of this Section 3.3.1 shall not apply if the Owner rightfully terminates this Agreement for cause under Section 5.4.

§ 3.4 Except for the licenses granted in this Article 3, no other license or right shall be deemed granted or implied under this Agreement. The Owner shall not assign, delegate, sublicense, pledge or otherwise transfer any license granted herein to another party without the prior written agreement of the Architect. Any unauthorized use of the Instruments of Service shall be at the Owner's sole risk and without liability to the Architect and the Architect's consultants.

§ 3.5 Except as otherwise stated in Section 3.3, the provisions of this Article 3 shall survive the termination of this Agreement.

ARTICLE 4 CLAIMS AND DISPUTES

§ 4.1 General

§ 4.1.1 The Owner and Architect shall commence all claims and causes of action against the other and arising out of or related to this Agreement, whether in contract, tort, or otherwise, in accordance with the requirements of the binding dispute resolution method selected in this Agreement and within the period specified by applicable law, but in any case

not more than 10 years after the date of Substantial Completion of the Work. The Owner and Architect waive all claims and causes of action not commenced in accordance with this Section 4.1.1.

§ 4.1.2 To the extent damages are covered by property insurance, the Owner and Architect waive all rights against each other and against the contractors, consultants, agents, and employees of the other for damages, except such rights as they may have to the proceeds of such insurance as set forth in AIA Document A201–2017, General Conditions of the Contract for Construction. The Owner or the Architect, as appropriate, shall require of the contractors, consultants, agents, and employees of any of them, similar waivers in favor of the other parties enumerated herein.

§ 4.1.3 The Architect and Owner waive consequential damages for claims, disputes, or other matters in question, arising out of or relating to this Agreement. This mutual waiver is applicable, without limitation, to all consequential damages due to either party's termination of this Agreement, except as specifically provided in Section 5.7.

§ 4.2 Mediation

§ 4.2.1 Any claim, dispute or other matter in question arising out of or related to this Agreement shall be subject to mediation as a condition precedent to binding dispute resolution. If such matter relates to or is the subject of a lien arising out of the Architect's services, the Architect may proceed in accordance with applicable law to comply with the lien notice or filing deadlines prior to resolution of the matter by mediation or by binding dispute resolution.

§ 4.2.2 The Owner and Architect shall endeavor to resolve claims, disputes and other matters in question between them by mediation, which, unless the parties mutually agree otherwise, shall be administered by the American Arbitration Association in accordance with its Construction Industry Mediation Procedures in effect on the date of this Agreement. A request for mediation shall be made in writing, delivered to the other party to this Agreement, and filed with the person or entity administering the mediation. The request may be made concurrently with the filing of a complaint or other appropriate demand for binding dispute resolution but, in such event, mediation shall proceed in advance of binding dispute resolution proceedings, which shall be stayed pending mediation for a period of 60 days from the date of filing, unless stayed for a longer period by agreement of the parties or court order. If an arbitration proceeding is stayed pursuant to this section, the parties may nonetheless proceed to the selection of the arbitrator(s) and agree upon a schedule for later proceedings.

§ 4.2.3 The parties shall share the mediator's fee and any filing fees equally. The mediation shall be held in the place where the Project is located, unless another location is mutually agreed upon. Agreements reached in mediation shall be enforceable as settlement agreements in any court having jurisdiction thereof.

§ 4.2.4 If the parties do not resolve a dispute through mediation pursuant to this Section 4.2, the method of binding dispute resolution shall be the following:
(Check the appropriate box.)

[ ] Arbitration pursuant to Section 4.3 of this Agreement

[X] Litigation in a court of competent jurisdiction

Other *(Specify)*

If the Owner and Architect do not select a method of binding dispute resolution, or do not subsequently agree in writing to a binding dispute resolution method other than litigation, the dispute will be resolved in a court of competent jurisdiction.

(Paragraphs deleted)
§ 4.4 The provisions of this Article 4 shall survive the termination of this Agreement.

ARTICLE 5 TERMINATION OR SUSPENSION

§ 5.1 If the Owner fails to make payments to the Architect in accordance with this Agreement, such failure shall be considered substantial nonperformance and cause for termination or, at the Architect's option, cause for suspension of

performance of services under this Agreement. If the Architect elects to suspend services, the Architect shall give seven days' written notice to the Owner before suspending services. In the event of a suspension of services, the Architect shall have no liability to the Owner for delay or damage caused the Owner because of such suspension of services. Before resuming services, the Owner shall pay the Architect all sums due prior to suspension and any expenses incurred in the interruption and resumption of the Architect's services. The Architect's fees for the remaining services and the time schedules shall be equitably adjusted.

§ 5.2 If the Owner suspends the Project, the Architect shall be compensated for services performed prior to notice of such suspension. When the Project is resumed, the Architect shall be compensated for expenses incurred in the interruption and resumption of the Architect's services. The Architect's fees for the remaining services and the time schedules shall be equitably adjusted.

§ 5.3 If the Owner suspends the Project for more than 90 cumulative days for reasons other than the fault of the Architect, the Architect may terminate this Agreement by giving not less than seven days' written notice.

§ 5.4 Either party may terminate this Agreement upon not less than seven days' written notice should the other party fail substantially to perform in accordance with the terms of this Agreement through no fault of the party initiating the termination.

§ 5.5 The Owner may terminate this Agreement upon not less than seven days' written notice to the Architect for the Owner's convenience and without cause.

§ 5.6 If the Owner terminates this Agreement for its convenience pursuant to Section 5.5, or the Architect terminates this Agreement pursuant to Section 5.3, the Owner shall compensate the Architect for services performed prior to termination, Reimbursable Expenses incurred, and costs attributable to termination, including the costs attributable to the Architect's termination of consultant agreements.

§ 5.7 In addition to any amounts paid under Section 5.6, if the Owner terminates this Agreement for its convenience pursuant to Section 5.5, or the Architect terminates this Agreement pursuant to Section 5.3, the Owner shall pay to the Architect the following fees:
(Set forth below the amount of any termination or licensing fee, or the method for determining any termination or licensing fee.)

.1 Termination Fee:

None

.2 Licensing Fee, if the Owner intends to continue using the Architect's Instruments of Service:

None

§ 5.8 Except as otherwise expressly provided herein, this Agreement shall terminate
(Check the appropriate box.)

One year from the date of commencement of the Architect's services

One year from the date of Substantial Completion

Other
(Insert another termination date or refer to a termination provision in an attached document or scope of service.)

If the Owner and Architect do not select a termination date, this Agreement shall terminate one year from the date of commencement of the Architect's services.

§ 5.9 The Owner's rights to use the Architect's Instruments of Service in the event of a termination of this Agreement are set forth in Article 3 and Section 5.7.

ARTICLE 6 COMPENSATION

§ 6.1 The Owner shall compensate the Architect as set forth below for services described in Section 1.1, or in the attached exhibit or scope document incorporated into this Agreement in Section 9.2.
(Insert amount of, or basis for, compensation or indicate the exhibit or scope document in which compensation is provided for.)

To be determined based on the scope of Services for the specific Project

§ 6.2 Compensation for Reimbursable Expenses

§ 6.2.1 Reimbursable Expenses are in addition to compensation set forth in Section 6.1 and include expenses incurred by the Architect and the Architect's consultants directly related to the Project, as follows:

.1 Transportation and authorized out-of-town travel and subsistence;
.2 Long distance services, dedicated data and communication services, teleconferences, Project web sites, and extranets;
.3 Permitting and other fees required by authorities having jurisdiction over the Project;
.4 Printing, reproductions, plots, and standard form documents;
.5 Postage, handling and delivery;
.6 Expense of overtime work requiring higher than regular rates, if authorized in advance by the Owner;
.7 Renderings, physical models, mock-ups, professional photography, and presentation materials requested by the Owner or required for the Project;
.8 If required by the Owner, and with the Owner's prior written approval, the Architect's consultants' expenses of professional liability insurance dedicated exclusively to this Project, or the expense of additional insurance coverage or limits in excess of that normally maintained by the Architect's consultants;
.9 All taxes levied on professional services and on reimbursable expenses;
.10 Site office expenses;
.11 Registration fees and any other fees charged by the Certifying Authority or by other entities as necessary to achieve the Sustainable Objective; and
.12 Other similar Project-related expenditures.

§ 6.2.2 For Reimbursable Expenses the compensation shall be the expenses incurred by the Architect and the Architect's consultants plus Zero percent (0.0 %) of the expenses incurred.

§ 6.2.3 **Architect's Insurance.** If the types and limits of coverage required in Section 1.5 are in addition to the types and limits the Architect normally maintains, the Owner shall pay the Architect for the additional costs incurred by the Architect for the additional coverages as set forth below:
(Insert the additional coverages the Architect is required to obtain in order to satisfy the requirements set forth in Section 1.5, and for which the Owner shall reimburse the Architect.)

At the direct additional costs of the requested insurance types and limits of coverage.

§ 6.3 Payments to the Architect

(Paragraphs deleted)

§ 6.3.2 Progress Payments

§ 6.3.2.1 Unless otherwise agreed, payments for services shall be made monthly in proportion to services performed. Payments are due and payable upon presentation of the Architect's
(Paragraphs deleted)
invoice but in the event not later than as required by statute for governmental entities.

§ 6.3.2.2 The Owner shall not withhold amounts from the Architect's compensation to impose a penalty or liquidated damages on the Architect, or to offset sums requested by or paid to contractors for the cost of changes in the Work, unless the Architect agrees or has been found liable for the amounts in a binding dispute resolution proceeding.

§ 6.3.2.3 Records of Reimbursable Expenses and services performed on the basis of hourly rates shall be available to the Owner at mutually convenient times.

ARTICLE 7 MISCELLANEOUS PROVISIONS

§ 7.1 This Agreement shall be governed by the law of the place where the Project is located, excluding that jurisdiction's choice of law rules. If the parties have selected arbitration as the method of binding dispute resolution, the Federal Arbitration Act shall govern Section 4.3.

§ 7.2 Except as separately defined herein, terms in this Agreement shall have the same meaning as those in AIA Document A201™–2017, General Conditions of the Contract for Construction.

§ 7.3 The Owner and Architect, respectively, bind themselves, their agents, successors, assigns, and legal representatives to this Agreement. Neither the Owner nor the Architect shall assign this Agreement without the written consent of the other, except that the Owner may assign this Agreement to a lender providing financing for the Project if the lender agrees to assume the Owner's rights and obligations under this Agreement, including any payments due to the Architect by the Owner prior to the assignment.

§ 7.4 The parties shall agree upon protocols governing the transmission and use of Instruments of Service or any other information or documentation in digital form. The parties will use AIA Document E203™–2013, Building Information Modeling and Digital Data Exhibit, to establish the protocols for the development, use, transmission, and exchange of digital data.

§ 7.4.1 Any use of, or reliance on, all or a portion of a building information model without agreement to protocols governing the use of, and reliance on, the information contained in the model and without having those protocols set forth in AIA Document E203™–2013, Building Information Modeling and Digital Data Exhibit, and the requisite AIA Document G202™–2013, Project Building Information Modeling Protocol Form, shall be at the using or relying party's sole risk and without liability to the other party and its contractors or consultants, the authors of, or contributors to, the building information model, and each of their agents and employees.

§ 7.5 If the Owner requests the Architect to execute certificates, the proposed language of such certificates shall be submitted to the Architect for review at least 14 days prior to the requested dates of execution. If the Owner requests the Architect to execute consents reasonably required to facilitate assignment to a lender, the Architect shall execute all such consents that are consistent with this Agreement, provided the proposed consent is submitted to the Architect for review at least 14 days prior to execution. The Architect shall not be required to execute certificates or consents that would require knowledge, services, or responsibilities beyond the scope of this Agreement.

§ 7.6 Nothing contained in this Agreement shall create a contractual relationship with, or a cause of action in favor of, a third party against either the Owner or Architect.

§ 7.7 Unless otherwise required in this Agreement, the Architect shall have no responsibility for the discovery, presence, handling, removal or disposal of, or exposure of persons to, hazardous materials or toxic substances in any form at the Project site.

§ 7.8 The Architect shall have the right to include photographic or artistic representations of the design of the Project among the Architect's promotional and professional materials. The Architect shall be given reasonable access to the completed Project to make such representations. However, the Architect's materials shall not include the Owner's confidential or proprietary information if the Owner has previously advised the Architect in writing of the specific information considered by the Owner to be confidential or proprietary. The Owner shall provide professional credit for the Architect in the Owner's promotional materials for the Project. This Section 7.8 shall survive the termination of this Agreement unless the Owner terminates this Agreement for cause pursuant to Section 5.4.

§ 7.9 If the Architect or Owner receives information specifically designated as "confidential" or "business proprietary," the receiving party shall keep such information strictly confidential and shall not disclose it to any other person except as set forth in Section 7.9.1. This Section 7.9 shall survive the termination of this Agreement.

§ 7.9.1 The receiving party may disclose "confidential" or "business proprietary" information after 7 days' notice to the other party, when required by law, arbitrator's order, or court order, including a subpoena or other form of

compulsory legal process issued by a court or governmental entity, or to the extent such information is reasonably necessary for the receiving party to defend itself in any dispute. The receiving party may also disclose such information to its employees, consultants, or contractors in order to perform services or work solely and exclusively for the Project, provided those employees, consultants and contractors are subject to the restrictions on the disclosure and use of such information as set forth in this Section 7.9.

§ 7.10 The invalidity of any provision of the Agreement shall not invalidate the Agreement or its remaining provisions. If it is determined that any provision of the Agreement violates any law, or is otherwise invalid or unenforceable, then that provision shall be revised to the extent necessary to make that provision legal and enforceable. In such case the Agreement shall be construed, to the fullest extent permitted by law, to give effect to the parties' intentions and purposes in executing the Agreement.

ARTICLE 8 SPECIAL TERMS AND CONDITIONS

Special terms and conditions that modify this Agreement are as follows:
(Include other terms and conditions applicable to this Agreement.)

§8.1 Indemnification: Architect shall indemnify and hold harmless Owner. Architect shall defend, indemnify and hold harmless Owner, its elected officials, managers, officers, employees, agents, representatives and successors and all persons acting by, through, under or in concert with them, from and against any and all liabilities, claims, suits, obligations, losses, penalties, judgments, including costs and reasonable attorneys' fees, to the extent caused by the sole negligent or willful act, or error or omission of Architect, its employees, agents or assigns.
Owner shall indemnify and hold harmless Architect. Owner agrees to defend, indemnify and hold harmless Architect, its officials, managers, officers, employees, agents, representatives and successors and all persons acting by, through, under or in concert with them, from and against any and all liabilities, claims, suits, obligations, losses, penalties, judgments, including costs and reasonable attorneys' fees, to the extent caused by the sole willful or wanton act of Owner, its employees or agents.
Neither party shall be liable for any special incidental or consequential damages including, but not limited to loss of profits, revenue, use of capital, claims of customers, cost of purchased or replacement power, or for any other loss of any nature, whether based on contract, tort, negligence, strict liability or otherwise, by reasons of the services rendered under this Agreement.

ARTICLE 9 SCOPE OF THE AGREEMENT

§ 9.1 This Agreement represents the entire and integrated agreement between the Owner and the Architect and supersedes all prior negotiations, representations or agreements, either written or oral. This Agreement may be amended only by written instrument signed by both the Owner and Architect.

§ 9.2 This Agreement is comprised of the following documents identified below:

.1 AIA Document B102™–2017, Standard Form Agreement Between Owner and Architect

.2

.3 Exhibits:
(Check the appropriate box for any exhibits incorporated into this Agreement.)

[ ]

(Paragraphs deleted)

Other Exhibits incorporated into this Agreement:
(Clearly identify any other exhibits incorporated into this Agreement.)

.4 Other documents:

(List other documents, including the Architect's scope of services document, hereby incorporated into the Agreement.)

This Agreement entered into as of the day and year first written above.

OWNER *(Signature)*	**ARCHITECT** *(Signature)*
(Frank A. Trilla, Mayor)	Michael T. Kluber , President *(Printed name, title, and license number, if required)*