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CHRISTOPHER B. BURKE ENGINEERING, LTD.

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May 5, 2026

Mr. Kevin Carrier, P.E.
Assistance County Engineer – Capital Programs
Lake County Division of Transportation
600 W. Winchester Road
Libertyville, IL 60048

Subject: Deerfield Road Reconstruction Phase II (Section #15-00038-07-WR)
Change Order #3

Dear Mr. Carrier:

Christopher B. Burke Engineering, Ltd. (CBBEL) is submitting for your initial review Change Order No. 3 for the Deerfield Road Reconstruction Phase II Engineering contract. This supplement covers an additional level of effort to complete the Phase II Engineering project. Change Order No. 1 was related to the Deerfield Road Rehabilitation project from Krause Road to Milwaukee Road. Change Order #2 (October 2024) addressed numerous project developments that arose at the end of Phase I Engineering and early in Phase II Engineering, requiring modifications to multiple design elements and tasks.

The original Phase II Engineering contract was executed for a total contract amount of \$2,634,307.26 in June 2020 ahead of Phase I Design Approval, which was obtained in June 2022. Change Order #1 (\$20,657) was approved in October 2020 for work related to Deerfield Parkway Rehabilitation project from Krause Road to Milwaukee Avenue, bringing the total contract amount to \$2,654,964.26. The final Phase I Engineering cost of the project was \$32,587,000, making the original Phase II contract 8% of construction. Change Order #2 was approved in December 2024 for \$1,026,121 with \$166,675 for subconsultants, bringing the Phase II Engineering contract amount to \$3,681,085.26. Change Order #3 is **\$1,206,975** with \$72,196 for subconsultants TSC, GZA, Santacruz Land Acquisitions, and HLR. Inc., bringing the total contract amount to \$4,888,060. The current construction cost as of the March 2026 Lake County Pre-Final plan submittal is \$45,741,000, making the total Phase II contract approximately 10.7% of construction. The project recently received a STP-L and CMAQ funding increase, bringing the federal funding contribution of the project to 66%. There are substantial IGAs with the Village of Riverwoods and Lake County Public Works for their elements in the project (watermain, lift station, and sanitary sewer). The project is currently on the September 2026 IDOT letting.

Detailed information regarding Change Order No. 3 is contained in the enclosed documentation, with key elements of this change order provided on the first several pages of the detailed scope of work.

Thank you again for the opportunity to assist the County in delivering this important infrastructure project. If you have any questions, please contact me at 847.823.0500.

Sincerely,

Matt Huffman, P.E. - Head, Phase I Engineering Department | Transportation Group



Local Public Agency Engineering Services Agreement

Using Federal Funds? Yes No

Agreement For
MFT-PE

Agreement Type
Supplement

Number
3

Using State Funds (Non-MFT)? Yes No

LOCAL PUBLIC AGENCY

Local Public Agency		County	Section Number	Job Number
Lake		Lake	15-00038-07-WR	P-91-159-16
Project Number	Contact Name	Phone Number	Email	
2NE0(590)	Kevin Carrier, P.E.	(847) 377-7448	kcarrier@lakecountyil.gov	

SECTION PROVISIONS

Local Street/Road Name	Key Route	Length	Structure Number
Deerfield Road	1257 (CH 11)	2.14	049-074

Location Termini	Add Location
IL 21/US 45 to Riverwoods Road / Saunders Road	Remove Location

Project Description
Phase II Engineering for Deerfield Road including reconstruction, bridge widening, traffic signal modernization, drainage improvements, and ADA improvements.

Engineering Funding	<input checked="" type="checkbox"/> MFT/TBP	<input type="checkbox"/> State	<input type="checkbox"/> Other	
Anticipated Construction Funding	<input checked="" type="checkbox"/> Federal	<input type="checkbox"/> MFT/TBP	<input type="checkbox"/> State	<input type="checkbox"/> Other
				CMAQ/TAP-L/STP-C

AGREEMENT FOR

Phase I - Preliminary Engineering Phase II - Design Engineering

CONSULTANT

Prime Consultant (Firm) Name	Contact Name	Phone Number	Email	
Christopher B. Burke Engineering	Matt Huffman	(847) 823-0500	mhuffman@cbbel.com	
Address	City	State	Zip Code	
9575 W. Higgins Road, Suite 600	Rosemont	IL	60018	

THIS AGREEMENT IS MADE between the above Local Public Agency (LPA) and Consultant (ENGINEER) and covers certain professional engineering services in connection with the improvement of the above SECTION. Project funding allotted to the LPA by the State of Illinois under the general supervision of the State Department of Transportation, hereinafter called the "DEPARTMENT," will be used entirely or in part to finance ENGINEERING services as described under AGREEMENT PROVISIONS.

Since the services contemplated under the AGREEMENT are professional in nature, it is understood that the ENGINEER, acting as an individual, partnership, firm or legal entity, qualifies for professional status and will be governed by professional ethics in its relationship to the LPA and the DEPARTMENT. The LPA acknowledges the professional and ethical status of the ENGINEER by entering into an AGREEMENT on the basis of its qualifications and experience and determining its compensation by mutually satisfactory negotiations.

WHEREVER IN THIS AGREEMENT or attached exhibits the following terms are used, they shall be interpreted to mean:

Regional Engineer Deputy Director, Office of Highways Project Implementation, Regional Engineer, Department of Transportation

AGREEMENT EXHIBITS

The following EXHIBITS are attached hereto and made a part of hereof this AGREEMENT:

- EXHIBIT A: Scope of Services
- EXHIBIT B: Project Schedule
- ~~EXHIBIT C: Qualification Based Selection (QBS) Checklist~~
- EXHIBIT D: Cost Estimate of Consultant Services (BLR 05513 or BLR 05514)
- EXHIBIT ___ : Direct Costs Summary Sheet
- _____
- _____
- _____

I. THE ENGINEER AGREES,

1. To perform or be responsible for the performance of the Scope of Services presented in EXHIBIT A for the LPA in connection with the proposed improvements herein before described.
2. The Classifications of the employees used in the work shall be consistent with the employee classifications and estimated staff hours. If higher-salaried personnel of the firm, including the Principal Engineer, perform services that are to be performed by lesser-salaried personnel, the wage rate billed for such services shall be commensurate with the payroll rate for the work performed.
3. That the ENGINEER shall be responsible for the accuracy of the work and shall promptly make necessary revisions or corrections required as a result of the ENGINEER'S error, omissions or negligent acts without additional compensation. Acceptance of work by the LPA or DEPARTMENT will not relieve the ENGINEER of the responsibility to make subsequent correction of any such errors or omissions or the responsibility for clarifying ambiguities.
4. That the ENGINEER will comply with applicable Federal laws and regulations, State of Illinois Statutes, and the local laws or ordinances of the LPA.
5. To pay its subconsultants for satisfactory performance no later than 30 days from receipt of each payment from the LPA.
6. To invoice the LPA, The ENGINEER shall submit all invoices to the LPA within three months of the completion of the work called for in the AGREEMENT or any subsequent Amendment or Supplement.
7. The ENGINEER or subconsultant shall not discriminate on the basis of race, color, national origin or sex in the performance of this AGREEMENT. The ENGINEER shall carry out applicable requirements of 49 CFR part 26 in the administration of US Department of Transportation (US DOT) assisted contract. Failure by the Engineer to carry out these requirements is a material breach of this AGREEMENT, which may result in the termination of this AGREEMENT or such other remedy as the LPA deems appropriate.
8. That none of the services to be furnished by the ENGINEER shall be sublet, assigned or transferred to any other party or parties without written consent of the LPA. The consent to sublet, assign or otherwise transfer any portion of the services to be furnished by the ENGINEER shall be construed to relieve the ENGINEER of any responsibility for the fulfillment of this AGREEMENT.
9. For Preliminary Engineering Contracts:
 - (a) To attend meetings and visit the site of the proposed improvement when requested to do so by representatives of the LPA or the DEPARTMENT, as defined in Exhibit A (Scope of Services).
 - (b) That all plans and other documents furnished by the ENGINEER pursuant to the AGREEMENT will be endorsed by the ENGINEER and affixed the ENGINEER's professional seal when such seal is required by law. Such endorsements must be made by a person, duly licensed or registered in the appropriate category by the Department of Professional Regulation of the State of Illinois. It will be the ENGINEER's responsibility to affix the proper seal as required by the Bureau of Local Roads and Streets manual published by the DEPARTMENT.
 - (c) That the ENGINEER is qualified technically and is thoroughly conversant with the design standards and policies applicable for the PROJECT; and that the ENGINEER has sufficient properly trained, organized and experienced personnel to perform the services enumerated in Exhibit A (Scope of Services).
10. That the engineering services shall include all equipment, instruments, supplies, transportation and personnel required to perform the duties of the ENGINEER in connection with this AGREEMENT (See DIRECT COST tab in BLR 05513 or BLR 05514).

II. THE LPA AGREES,

1. To certify by execution of this AGREEMENT that the selection of the ENGINEER was performed in accordance with the Professional Services Selection Act (50 ILCS 510) (Exhibit C).
2. To furnish the ENGINEER all presently available survey data, plans, specifications, and project information.
3. To pay the ENGINEER:
 - (a) For progressive payments - Upon receipt of monthly invoices from the ENGINEER and the approval thereof by the LPA, monthly payments for the work performed shall be due and payable to the ENGINEER, such payments to be equal to the value of the partially completed work minus all previous partial payments made to the ENGINEER.
 - (b) Final payment - Upon approval of the work by the LPA but not later than 60 days after the work is completed and reports have been made and accepted by the LPA and DEPARTMENT a sum of money equal to the basic fee as determined in this AGREEMENT less the total of the amount of partial payments previously paid to the ENGINEER

shall be due and payable to the ENGINEER.

(c) For Non-Federal County Projects - (605 ILCS 5/5-409)

- (1) For progressive payments - Upon receipt of monthly invoices from the ENGINEER and the approval thereof by the LPA, monthly payments for the work performed shall be due and payable to the ENGINEER. Such payments to be equal to the value of the partially completed work in all previous partial payments made to the ENGINEER.
- (2) Final payment - Upon approval of the work by the LPA but not later than 60 days after the work is completed and reports have been made and accepted by the LPA and STATE, a sum of money equal to the basic fee as determined in the AGREEMENT less the total of the amount of partial payments previously paid to the ENGINEER shall be due and payable to the ENGINEER.

4. To pay the ENGINEER as compensation for all services rendered in accordance with the AGREEMENT on the basis of the following compensation method as discussed in 5-5.10 of the BLR Manual.

Method of Compensation:

- Percent
- Lump Sum
- Specific Rate
- Cost plus Fixed Fee: Fixed

Total Compensation = DL + DC + OH + FF

Where:

DL is the total Direct Labor,

DC is the total Direct Cost,

OH is the firm's overhead rate applied to their DL and

FF is the Fixed Fee.

Where $FF = (0.33 + R) DL + \%SubDL$, where R is the advertised Complexity Factor and %SubDL is 10% profit allowed on the direct labor of the subconsultants.

The Fixed Fee cannot exceed 15% of the DL + OH.

5. The recipient shall not discriminate on the basis of race, color, national origin or sex in the award and performance of any US DOT-assisted contract or in the administration of its DBE program or the requirements of 49 CFR part 26. The recipient shall take all necessary and reasonable steps under 49 CFR part 26 to ensure nondiscrimination in the award and administration of US DOT-assisted contracts. The recipient's DBE program, as required by 49 CFR part 26 and as approved by US DOT, is incorporated by reference in this agreement. Implementation of this program is a legal obligation and failure to carry out its terms shall be treated as violation of this AGREEMENT. Upon notification to the recipient of its failure to carry out its approved program, the Department may impose sanctions as provided for under part 26 and may, in appropriate cases, refer the matter for enforcement under 18 U.S.C. 1001 and/or the Program Fraud Civil Remedies Act of 1986 (31 U.S.C 3801 et seq.).

III. IT IS MUTUALLY AGREED,

1. To maintain, for a minimum of 3 years after the completion of the contract, adequate books, records and supporting documents to verify the amount, recipients and uses of all disbursements of funds passing in conjunction with the contract; the contract and all books, records and supporting documents related to the contract shall be available for review and audit by the Auditor General, and the DEPARTMENT; the Federal Highways Administration (FHWA) or any authorized representative of the federal government, and to provide full access to all relevant materials. Failure to maintain the books, records and supporting documents required by this section shall establish a presumption in favor of the DEPARTMENT for the recovery of any funds paid by the DEPARTMENT under the contract for which adequate books, records and supporting documentation are not available to support their purported disbursement.
2. That the ENGINEER shall be responsible for any all damages to property or persons out of an error, omission and/or negligent act in the prosecution of the ENGINEER's work and shall indemnify and save harmless the LPA, the DEPARTMENT, and their officers, agents and employees from all suits, claims, actions or damages liabilities, costs or damages of any nature whatsoever resulting there from. These indemnities shall not be limited by the listing of any insurance policy.

The LPA will notify the ENGINEER of any error or omission believed by the LPA to be caused by the negligence of the ENGINEER as soon as practicable after the discovery. The LPA reserves the right to take immediate action to remedy any error or omission if notification is not successful; if the ENGINEER fails to reply to a notification; or if the conditions created by the error or omission are in need of urgent correction to avoid accumulation of additional construction costs or damages to property and reasonable notice is not practicable.
3. This AGREEMENT may be terminated by the LPA upon giving notice in writing to the ENGINEER at the ENGINEER's last known post office address. Upon such termination, the ENGINEER shall cause to be delivered to the LPA all drawings, plats, surveys, reports, permits, agreements, soils and foundation analysis, provisions, specifications, partial and completed estimates and data, if any from soil survey and subsurface investigation with the understanding that all such materials becomes the property of the LPA. The LPA will be responsible for reimbursement of all eligible expenses incurred under the terms of this AGREEMENT up to the date of the written notice of termination.

4. In the event that the DEPARTMENT stops payment to the LPA, the LPA may suspend work on the project. If this agreement is suspended by the LPA for more than thirty (30) calendar days, consecutive or in aggregate, over the term of this AGREEMENT, the ENGINEER shall be compensated for all services performed and reimbursable expenses incurred prior to receipt of notice of suspension. In addition, upon the resumption of services the LPA shall compensate the ENGINEER, for expenses incurred as a result of the suspension and resumption of its services, and the ENGINEER's schedule and fees for the remainder of the project shall be equitably adjusted.
5. This AGREEMENT shall continue as an open contract and the obligations created herein shall remain in full force and effect until the completion of construction of any phase of professional services performed by others based upon the service provided herein. All obligations of the ENGINEER accepted under this AGREEMENT shall cease if construction or subsequent professional services are not commenced within 5 years after final payment by the LPA.
6. That the ENGINEER shall be responsible for any and all damages to property or persons arising out of an error, omission and/or negligent act in the prosecution of the ENGINEER's work and shall indemnify and have harmless the LPA, the DEPARTMENT, and their officers, employees from all suits, claims, actions or damages liabilities, costs or damages of any nature whatsoever resulting there from. These indemnities shall not be limited by the listing of any insurance policy.
7. The ENGINEER and LPA certify that their respective firm or agency:
 - (a) has not employed or retained for commission, percentage, brokerage, contingent fee or other considerations, any firm or person (other than a bona fide employee working solely for the LPA or the ENGINEER) to solicit or secure this AGREEMENT,
 - (b) has not agreed, as an express or implied condition for obtaining this AGREEMENT, to employ or retain the services of any firm or person in connection with carrying out the AGREEMENT or
 - (c) has not paid, or agreed to pay any firm, organization or person (other than a bona fide employee working solely for the LPA or the ENGINEER) any fee, contribution, donation or consideration of any kind for, or in connection with, procuring or carrying out the AGREEMENT.
 - (d) that neither the ENGINEER nor the LPA is/are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any Federal department or agency,
 - (e) has not within a three-year period preceding the AGREEMENT been convicted of or had a civil judgment rendered against them for commission of fraud or criminal offense in connection with obtaining, attempting to obtain or performing a public (Federal, State or local) transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements or receiving stolen property.
 - (f) are not presently indicated for or otherwise criminally or civilly charged by a government entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph and
 - (g) has not within a three-year period preceding this AGREEMENT had one or more public transaction (Federal, State, local) terminated for cause or default.

Where the ENGINEER or LPA is unable to certify to any of the above statements in this clarification, an explanation shall be attached to this AGREEMENT.

8. In the event of delays due to unforeseeable causes beyond the control of and without fault or negligence of the ENGINEER no claim for damages shall be made by either party. Termination of the AGREEMENT or adjustment of the fee for the remaining services may be requested by either party if the overall delay from the unforeseen causes prevents completion of the work within six months after the specified completion date. Examples of unforeseen causes included but are not limited to: acts of God or a public enemy; acts of the LPA, DEPARTMENT, or other approving party not resulting from the ENGINEER's unacceptable services; fire; strikes; and floods.

If delays occur due to any cause preventing compliance with the PROJECT SCHEDULE, the ENGINEER shall apply in writing to the LPA for an extension of time. If approved, the PROJECT SCHEDULE shall be revised accordingly.

9. By execution of this AGREEMENT the LPA and ENGINEER certify compliance with the Drug Free Workplace (30 ILCS 580). The Drug Free Workplace Act requires that no grantee or contractor shall receive a grant or be considered for the purpose of being awarded a contract for the procurement of any property or service from the DEPARTMENT unless that grantee or contractor will provide a drug free workplace. False certification or violation of the certification may result in sanctions including, but not limited to suspension of contract on grant payments, termination of a contract or grant and debarment of the contracting or grant opportunities with the DEPARTMENT for at least one (1) year but not more than (5) years.

For the purpose of this certification, "grantee" or "Contractor" means a corporation, partnership or an entity with twenty-five (25) or more employees at the time of issuing the grant or a department, division or other unit thereof, directly responsible for the specific performance under contract or grant of \$5,000 or more from the DEPARTMENT, as defined the Act.

The contractor/grantee certifies and agrees that it will provide a drug free workplace by:

- (a) Publishing a statement:
 - (1) Notifying employees that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance, including cannabis, is prohibited in the grantee's or contractor's workplace.
 - (2) Specifying actions that will be taken against employees for violations of such prohibition.
 - (3) Notifying the employee that, as a condition of employment on such contract or grant, 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 (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) The grantee's or contractor's policy to maintain a drug free workplace;
 - (3) Any available drug counseling, rehabilitation and employee assistance program; and
 - (4) The penalties that may be imposed upon an employee for drug violations.
- (c) Providing a copy of the statement required by subparagraph (a) to each employee engaged in the performance of the contract or grant and to post the statement in a prominent place in the workplace.
 - (d) Notifying the contracting, or granting agency within ten (10) days after receiving notice under part (b) of paragraph (3) of subsection (a) above 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.
 - (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.

Making a good faith effort to continue to maintain a drug free workplace through implementation of the Drug Free Workplace Act, the ENGINEER and LPA agree to meet the PROJECT SCHEDULE outlined in EXHIBIT B. Time is of the essence on this project and the ENGINEER's ability to meet the PROJECT SCHEDULE will be a factor in the LPA selecting the ENGINEER for future projects. The ENGINEER will submit progress reports with each invoice showing work that was completed during the last reporting period and work they expect to accomplish during the following period.

- 10. Due to the physical location of the project, certain work classifications may be subject to the Prevailing Wage Act (820 ILCS 130/0.01 et seq.).
- 11. For Preliminary Engineering Contracts:
 - (a) That tracing, plans, specifications, estimates, maps and other documents prepared by the ENGINEER in accordance with this AGREEMENT shall be delivered to and become the property of the LPA and that basic survey notes, sketches, charts, CADD files, related electronic files, and other data prepared or obtained in accordance with this AGREEMENT shall be made available, upon request to the LPA or to the DEPARTMENT, without restriction or limitation as to their use. Any re-use of these documents without the ENGINEER involvement shall be at the LPA's sole risk and will not impose liability upon the ENGINEER.
 - (b) That all reports, plans, estimates and special provisions furnished by the ENGINEER shall conform to the current Standard Specifications for Road and Bridge Construction, Bureau of Local Roads and Streets Manual or any other applicable requirements of the DEPARTMENT, it being understood that all such furnished documents shall be approved by the LPA and the DEPARTMENT before final acceptance. During the performance of the engineering services herein provided for, the ENGINEER shall be responsible for any loss or damage to the documents herein enumerated while they are in the ENGINEER's possession and any such loss or damage shall be restored at the ENGINEER's expense.

AGREEMENT SUMMARY

Prime Consultant (Firm) Name	TIN/FEIN/SS Number	Agreement Amount
Christopher B. Burke Engineering	36-3468939	\$1,134,779.00
Subconsultants		
Testing Services Corporation	35-0937582	\$13,150.00
Huff and Huff, Inc. (a subsidiary of GZA)	36-3044842	\$11,221.00
Santacruz Land Acquisitions, Inc.	36-3851733	\$39,000.00
HLR, Inc.	36-2555986	\$8,825.00
Subconsultant Total		\$72,196.00
Prime Consultant Total		\$1,134,779.00
Total for all work		\$1,206,975.00

AGREEMENT SIGNATURES

Executed by the LPA:

Attest: The Local Public Agency Type of Local Public Agency

By (Signature & Date)

By (Signature & Date)

Local Public Agency Local Public Agency Type Clerk

Title

(SEAL)

Executed by the ENGINEER:

Attest: Prime Consultant (Firm) Name

By (Signature & Date)
 5/5/2026

Title

By (Signature & Date)
 5/5/2026

Title

For information about IDOT's collection and use of confidential information review the department's [Identity Protection Policy](#).

Local Public Agency	Prime Consultant (Firm) Name	County	Section Number
Lake	Christopher B. Burke Engineering	Lake	15-00038-07-WR

**EXHIBIT A
SCOPE OF SERVICES**

To perform or be responsible for the performance of the engineering services for the LPA, in connection with the PROJECT herein before described and enumerated below

Exhibit A is attached separately.

Local Public Agency	Prime Consultant (Firm) Name	County	Section Number
Lake	Christopher B. Burke Engineering	Lake	15-00038-07-WR

**EXHIBIT B
PROJECT SCHEDULE**

Exhibit B is contained within Exhibit A.

**EXHIBIT A - SCOPE OF ENGINEERING SERVICES
PHASE II DESIGN ENGINEERING
CHANGE ORDER #3
CHRISTOPHER B. BURKE ENGINEERING, LTD.**

**Deerfield Road Reconstruction from IL Route 21/US Route 45 to Saunders Road/Riverwoods Road
Section No. 15-00038-07-WR**

The following scope of services is the third change order to the Phase II design engineering services contract approved in May 2020. Phase I Engineering was completed in June 2022, which included an Environmental Assessment and Combined Design Report. Change Order #1 was related to the Deerfield Parkway rehabilitation project from Krause Road at the west termini to Milwaukee Road that was included as part of the overall design contract. Change Order #2 (October 2024) addressed numerous project developments that arose at the end of Phase I Engineering and early in Phase II Engineering, requiring modifications to multiple design elements and tasks.

This is the third change order related to Deerfield Road from IL Route 21 to Saunders Road/Riverwoods Roads and will include modifications to existing project tasks:

- Task 1 – Pick-up Survey
- Task 2 – Geotechnical Investigations & Analysis
- Task 3 – Drainage Studies
- Task 4 – Permits
- Task 5 – Agency & Public Coordination
- Task 8 – Plat of Highways
- Task 10 – Traffic Signal Improvement Plans
- Task 13 – Box Culvert Design
- Task 14 – Retaining Wall Design
- Task 16 – Utility Coordination & Design
- Task 17 – Pre-Final Plans, Specifications & Estimates (95%)
- Task 18 – Final Plans, Specifications & Estimates (100%)
- Task 19 – Land Acquisition Services
- Task 21 – Phase III Support
- Task 22 – QA/QC
- Task 23 – Project Management & Administration
- Task 24 – Phase I Addendum
- Task 25 – Federal Life Site Design

The project has been advancing in design development. A second Pre-Final (95%) submittal was made to IDOT in January 2026 at their request and is currently on the September 2026 IDOT letting. This was the second Pre-Final submittal to IDOT, with the first one being in April 2024. Land acquisition for the project is still ongoing with one parcel remaining, with several parcels reaching agreement in early 2026. With the project letting being rescheduled from August 2025 to September 2026. The construction cost at the time of the April 2024 Pre-Final was \$39,521,000 and as of March 2026, the project cost is \$45,741,000, which includes the LCPW lift station, gravity sewer replacement, and Riverwoods watermain relocations. The project recently received additional federal funding for the multi-use trail (TAP-L) and Milwaukee Avenue intersection improvement (CMAQ), bringing the federal funding contribution to 66% of the total project cost.

Lake County Public Works is replacing and relocating the sanitary lift station as well as the trunk line gravity sewer within the project limits, which is being designed by CBBEL and is included in the contract plans. The project also includes Village of Riverwoods watermain and sanitary sewer relocation due to conflicts with the proposed roadway improvements. Assistance has been provided to support the County in developing the IGAs for each agency, which includes cost assessment, narrative review and supporting exhibits.

Several proposed design elements have been added to the project at the County's request, including removal of the carriage walk along Saunders Road to the southernmost limit within the project environmental survey boundary, just north of the Parkway North intersection, which required additional project survey and special waste testing. The County recently performed a flashing yellow arrow study County-wide and several intersections adjacent to the current improvements were identified as candidates for signal head replacement without mast arm adjustments. A Phase I Addendum document was prepared to include these additional design elements, along with one additional retaining wall that was required.

The project team has continued extensive coordination with the Village of Riverwoods throughout the design development of this project and maintains a strong working relationship. The project team has conducted a thorough conflict evaluation with Village water main and has reduced the number of relocations through that process. Several design meetings have been held with the Village to review the impacts and proposed relocation.

The Village and the County have executed a separate IGA related to the Federal Life site, which was acquired by the Village in late 2024. The Village has since demolished the structures on the site and performed mass grading. They have engaged Haeger Engineering to develop design plans for the site, which includes two detention / compensatory storage basins, an access roadway from Deerfield Road to Colonial Court, which is proposed to be within Village right-of-way, and will accommodate a future Fire Station for the Fire District at the southeast portion of the site. The Village has subdivided the property and dedicated the needed right-of-way to the County. The Permanent Easement and Temporary Construction Easements will be dedicated upon finalizing the site design. The project team is providing the Village with the needed detention and compensatory storage volumes to be included in the combined facilities that the Village is designing. The project team has reviewed the stormwater modeling and site design. Based on recent conversations, it is anticipated that the southern basin will be included in the roadway contract plans. The roadway design adjacent to the Federal Life site has undergone several design iterations to maximize the flood protection of the roadway while interfacing with the adjacent commercial properties, which are partially within the floodplain.

Following the April 2024 pre-final submittal, IDOT and Lake County comments were addressed. At that time, the construction duration was 2.5 years with the Milwaukee Avenue intersection under construction for two seasons. An evaluation was conducted on the maintenance of traffic to try and shorten the construction duration to two years and also complete the Milwaukee Avenue intersection work within one construction season. Additionally, the bridge work, which requires an eastbound detour, would be completed at the end of the first year to complete all work west of the river. The east portion of the Deerfield Road corridor would be constructed in year 2. This change in MOT necessitated

some design changes and plan changes, one being the cross-roadway culvert to the Federal Life detention basin and also.

During the right-of-way evaluation early on in Phase II, the number of parcels of acquisition were reduced from 67 to 42, which also reduced the number of tree impacts with the project, a significant concern to the Village and residents. At the end of Phase I 1,018 trees were proposed to be removed with the project, which has been reduced to 680 during Phase II design. A tight corridor remains, along with existing drainage and utility relocation considerations, has required several design iterations to the roadway design and drainage system design.

These drainage and conveyance system refinements were not fully anticipated as the final MOT staging, utility conflict avoidance, and Federal Life site drainage interface were still evolving at that time. The resulting need for added structural detailing for the conveyance and storage box culverts (including staged construction details, junction chambers, and additional plan/section sheets) increased the level of effort required to develop a complete design. With the change in MOT staging, there was an increase in cross section development for the project.

Through the second Pre-Final Plan development, the sheet count is 969. The sheet count from the original contract and Change Order #2 was estimated around 650. An additional level of effort is spread amongst the Pre-Final Plans 95% (Task 17) and Final Plans 100% (Task 18), as traffic signal plans (Task 10), Box Culvert design (Task 13), and Utility design plans (Task 16). There were six additional retaining walls which were added to the project and was not included in Change Order #2 (Task 14).

Subconsultants:

- Based on IDOT geotechnical requirements, additional soil investigations are required (two structural borings), performed by subconsultant Testing Services Corporation (Task 2).
- An additional level of effort is required by Huff & Huff to perform the Preliminary Site Investigation and CCDD to include additional requested work south on Saunders Road (Task 20).

The following is a summary of the proposed scope of work and contract modifications that are included in Change Order 3.

Task 1 – Pick-Up Survey

This task includes an additional level of effort to conduct supplemental topographic survey to support design development for portions of the project area that experienced modifications for the following areas:

- Deerfield Parkway / Milwaukee Avenue Drainage System Improvements (From Woodmans Permit Improvement Project)
- Deerfield Parkway west of prior limits for Maintenance of Traffic Cross Over Design
- Saunders Road south of prior limits to ESR limits to Parkway North for inclusion of additional design items.
- Frontage of Federal Life (Post Village Mass Grading)
- Lake County Public Works Saunders Road Forcemain (constructed)
- Various Drainage and Utility Pickup (Storm Sewer, Watermain, Sanitary Sewer)

Task 2 – Geotechnical Investigations and Analysis:

This task includes an additional level of effort to conduct geotechnical investigations following IDOT Geotechnical requirements based on further design of the LCPW Sanitary Lift Station for temporary shoring and Retaining Wall E (off of east bridge abutment). Subconsultant, Testing Services Corporation, will perform additional geotechnical investigations and analysis per their separately attached scope of work. A total of 2 additional structural soil borings (90 lineal feet).

Task 3 – Drainage Studies:

This task includes an additional level of drainage evaluation and design:

Federal Life Property

- Additional coordination and technical review effort associated with the Village's stormwater report/modeling submittal for the Federal Life site, including preparation of written review comments and follow-up responses, plus participation in coordination meeting with the Village and Haeger Engineering to resolve modeling/design issues impacting the roadway project (e.g., tailwater assumptions and backflow considerations, drawdown time, model mass balance warnings, and emergency overflow/weir configuration).
- Refinement of roadway detention/compensatory storage requirements and coordination on potential additional storage needs based on plan updates, including confirming that roadway requirements remain satisfied and coordinating potential additional volume needs within the overall combined facility (including evaluation of design adjustments such as increasing emergency overtopping width, as applicable).
- This task includes incorporation of the southern Federal Life detention/compensatory storage basin in the roadway contract plans. Extensive coordination was required to align the Federal Life site design approach with the County contract documents. This included coordination regarding (1) County concurrence on incorporating the southern detention facility and access roadway elements into the Deerfield Road contract, (2) exchange and review of Haeger-provided design/CAD files and as-built information to confirm interface points, and

(3) coordination with the Village/Haeger regarding LCSMC review approach and permit timing. The Village will be preparing a plat of dedication for the permanent easement and access roadway (within Village right-of-way).

Drainage Adjustments for Public Utility Avoidance

- Additional level of effort was required to revise the storm drainage layout to avoid conflicts with the Village of Riverwoods water main in the constrained corridor. This included additional evaluation and design refinement to shift storm sewer alignments and drainage structures to maintain separation from the water main (and planned water main relocations), where feasible, and to incorporate updated storm sewer/water main concepts as the conflict analysis progressed. Based on further review and coordination with the Village, this work included adjusting storm structure locations to reduce direct conflicts, modifying drainage structure types, and updating drainage plan/profile sheets. Through this evaluation, the impacts to the Village of Riverwoods water system was reduced.

Task 4 – Permits:

An additional level of effort is required to update, extend, and/or resubmit applicable permits and supporting documentation.

- Task 4.1 - LCSMC Stormwater Calculations and Permit / WDP: Additional coordination and revisions were required to keep the Watershed Development Permit (WDP) package current, including updates to supporting stormwater calculations/exhibits and follow-up coordination consistent with the pre-application meeting approach identified in the original scope. An additional level of coordination is required with the Village of Riverwoods Federal Life site development, which includes a combined compensatory storage/detention basin that is providing volumes for the roadway project. CBEL will provide review of their stormwater modeling and permit submittal information.
- Task 4.2 - USACE / IEPA and IWPA Permits: Additional effort was required to address additional Waters of the U.S. impacts identified during design development and to comply with updated regulatory requirements, including updates to/extension of the USACE permit application and associated IEPA submittal materials, plus preparation and coordination of an Illinois Wetland Permit Application (IWPA) and required wetland/stream mitigation credit documentation. This includes refreshed exhibits/supporting documentation and continued agency coordination (consistent with the original pre-application meeting and coordination subtasks).
- Task 4.3 (Environmental Clearances / Species): State-listed threatened and endangered (T&E) clearances expired during Phase II, requiring renewal/resubmittal using IDNR EcoCAT and USFWS IPaC to maintain project clearances through the revised letting schedule.
- Task 4.3.1 – Renewal of T&E Species Clearances / Bridge Bat Assessments: State-listed threatened and endangered (T&E) species consultation with the IDNR and Northern Long-Eared Bat (NLEB) verification with the USFWS that were obtained will expire prior to the September 2026 letting. Due to the extended project schedule, additional effort is required to complete updated coordination and re-submittals to maintain clearances, including updated bridge

bat assessment/verification as needed for the bridge work areas and large culverts. This task includes re-submittal to the agencies to update.

- **Task 4.4 (Agency/Client Coordination – Permitting):** Additional effort is required for coordination meetings/discussions with the client and resource agencies (including IDNR and other agencies as applicable) to prepare, update, and finalize the required permitting and clearance documentation. Topics may include avoidance/minimization measures, mitigation strategies, and Best Management Practices, as well as responses to agency comments necessary to maintain permit approvals and clearances through the revised letting schedule. This task includes up to two (2) meetings with up to two (2) CBBEL staff.

Task 5 – Agency/Public Coordination:

Task 5.1 – Agency Coordination

An additional level of effort for email and 1-on-1 meetings and coordination was required to advance the proposed improvement design. The following agency meetings (2 CBBEL attendees) are included:

- Lake County Forest Preserve District (1)
- Village of Riverwoods (4)
- Lake County Stormwater Management Association (1)

An extensive level of coordination was also required with the Village of Riverwoods due to multiple evolving items of interest to the Village and their consultants. Coordination topics included development of the tree mitigation approach and associated IDOT mitigation coordination/letter, detailed review and refinement of the Riverwoods watermain relocation (including valves/valve vaults, hydrants, services, abandonment requirements, and shutdown/pressure connection considerations), Riverwoods sanitary sewer connections and interface with the LCPW sanitary system, and ongoing design interface coordination for the Federal Life site (including the Fire Protection District site, detention/compensatory storage, access roadway, easement/dedication exhibits, and temporary fencing/fence removals). Additional Riverwoods coordination items included review of drainage and cross sections and maintaining local drainage/woodland conditions, midblock crossings and receiving-end sidewalk/ADA considerations (including PROWAG-related updates), and coordination on MOT/staging impacts to Village operations and emergency access.

Task 8 – Plat of Highways

An additional level of effort was required to complete the Plat of Highway surveys, parcel calculations, drafting and legal descriptions, due to numerous acquisition modifications during the negotiation process, ownership changes, and several property ownership issues.

This Task will include a separate Plat of Easement dedication for temporary construction easement related to the Federal Life Site design work included in the County's roadway contract plans. The Village of Riverwoods is responsible for the permanent easement and

other associated right-of-way dedication on the site.

Task 10 – Traffic Signal Improvement Plans:

Task 10.2 – Traffic Signal Modernization Plans:

j. Flaying Yellow Arrow plans:

This task will include developing nine (9) additional plan sheets and revising the existing plan sheets for the Deerfield/Portwine and Deerfield/Saunders intersections.

CBBEL will include Flashing Yellow Arrow (FYA) in our traffic signal plans at the following five (5) intersections: Deerfield & Portwine, Deerfield & Riverwoods/Saunders, Deerfield & Parkway North, Deerfield & I-94 On-Ramp, and Saunders & Parkway North. At the intersections of Deerfield/Portwine and Deerfield/Saunders, plan sheets are currently included in the plan set and will require revisions to the following sheets:

- A. Traffic Signal Modernization Plan
- B. Proposed Cable Plan
- C. Schedule of Quantities

Additional (new) plan sheets will be added to the plan set for the intersections of Deerfield/Parkway North, Deerfield/I-94 Ramp, and Saunders/Parkway North. The additional sheets will require base sheet preparation using Deerfield/Parkway North and Saunders/Parkway North) or using existing plans and aerials. The following additional sheets will be included in this work for each intersection:

- A. Traffic Signal Removal Plan
- B. Traffic Signal Modification Plan
- C. Revised Cable Plan

Task 13 – Box Culvert Design:

This task includes an additional level of effort to related to the design of the proposed box culverts. An additional 13 sheets are included from the April 2024 Pre-Final plans to provide additional details, stage construction plans, junction chamber design (2) for the following culverts:

- Sta. 105+00 – Replacement and extension of the single 4-feet (W) by 3-feet (H) precast RCBC.
 - The location of this box culvert changed following detailed maintenance of traffic design, and was recommended for full replacement at a perpendicular angle to the roadway which removed the existing skew.
- Sta. 148+55 – Single 12-feet (W) x 5-feet (H) conveyance RCBC to carry Thorngate Creek under Deerfield Road.
- Sta. 148+85 to Sta. 157+70 – Single 12-feet (W) x 3-feet (H) conveyance RCBC. There are two 90-degree bends that require additional structural detail.

- The size of this box culvert change from 9-feet (W) x 3-feet (H).
- The design of this box culvert required the addition of junction chambers.
- Sta. 191+25 to Sta. 196+50 – Single 12-foot (W) x 3-foot (H) detention storage RCBC.

Task 14 – Retaining Wall Design:

This task includes retaining wall design development and right-of-way/constructability evaluations to support Phase II plan development. During ongoing design development additional retaining walls were added to the project to address final grading constraints, utility coordination, and site/interface conditions; however, no additional funds were requested under Change Order #2 for the added wall design effort. This change order request is intended to recoup some of the additional level of effort required to advance the added retaining walls through Pre-Final and Final PS&E, including associated coordination, plan production, and quantity/specification updates. An additional 21 structural sheets were added.

- Wall A - Sta. 98+72 RT to Sta. 99+58 RT (111'); max height 3 feet
- Wall B - Sta. 101+48 RT to Sta. 103+57 RT (209'); max height 6 feet.
- Wall C – Sta. 104+32 RT to Sta. 105+09 RT (77'); max height 6.5 feet
 - Redesigned twice due to the cross-road culvert design change to remove the skew and align with the MOT plan.
- Wall J – Sta. 142+25 RT to Sta. 143+25 RT (100'); max height 3.5 feet
- Wall K – Sta 149+20 LT to Sta. 150+50 LT (130'); max height 3 feet
 - Wall moved from the right side to left side of roadway
- Wall M – Sta. 415+70 RT to Sta. 416+80 RT (76'); max height 2 feet
 - Removed from design following Village of Deerfield coordination related to sidewalk construction south on Saunders Road.

The added retaining walls are primarily driven by the right-of-way reduction effort implemented between the original Phase II contract and Change Order #2. As property acquisition was minimized (reduced parcel take area from 67 to 42), the available grading/working area within the corridor became more constrained. Short retaining walls were therefore required at select locations to maintain the proposed roadway and roadside grading within the available right-of-way and easement limits while minimizing impacts to adjacent properties.

Task 16 – Utility Coordination & Design

This task includes an additional level of effort to identify conflicts, evaluate avoidance alternatives, and assist with relocation design, and making feasible plan adjustments. Design plan adjustments are performed under Task 17 and Task 18.

- A monthly utility coordination meeting with all public/private utilities will be conducted from April 2026 to January 2027. CBBEL will have three staff on the call.
- This task includes design effort for Village of Riverwoods sanitary sewer

connections. LCPW has provided Pre-Final design review for the current proposed design and has confirmed the Village of Riverwoods responsible portions of the sanitary system. The design cost for this effort is being recouped by Lake County via an IGA.

- This task includes separate design evaluation and meetings with the structural, construction staff, design team and utility companies for the addressing carrying of utilities across the bridge.

Separate utility plan and profile sheets are included to show the proposed storm sewer, relocated LCPW sanitary sewer, relocated Riverwoods sanitary sewer (and connections) and Riverwoods water main.

Task 17 – Pre-Final Plans, Specifications and Cost Estimate (95%)

This task includes an additional level of effort to prepare Pre-Final Plans, Specifications and Cost Estimate based off the modified sheet count following Change Order #2. Pre-Final Plans were submitted to IDOT in April 2024. IDOT requested a second Pre-Final Plan submittal, which was made on January 19, 2026. This additional Pre-Final submittal is included in this task.

The 2026 Pre-Final plan set increased to approximately 969 total sheets compared to the April 2024 Pre-Final baseline (646 total sheets). The cross sections were adjusted to align with the revised MOT staging for Year 1 (West) and Year 2 (East). To document where the increase occurred, the plan sheet index categories were compared as summarized below.

Sheet Index Category	April Pre Final 2024	January 2026 Pre Final	Change
Cover Sheet/Index	3	3	0
General Notes	0	3	+3
Summary of Quantities (SOQ)	24	27	+19
Typical Sections	13	14	+1
Schedule of Quantities	28	18	-10
Alignment, Ties & Benchmarks	6	7	+1
Existing Conditions & Removal Plans	16	17	+1
Roadway Plan & Profile	28	30	+2
Parking Lot Plan	6	6	0
Maintenance of Traffic (MOT) General Notes	3	2	-1
Maintenance of Traffic (MOT) Typical Sections	12	10	-2
Maintenance of Traffic (MOT) Plans	35	48	+13
Erosion & Sediment Control Notes	1	1	0
Erosion & Sediment Control Plans	18	27	+9
Erosion & Sediment Control Details	2	2	0
Drainage Notes	1	1	0
Drainage Schedule	14	14	0
Drainage Plan and Profile	26	28	+2
Drainage Details	2	2	0
Proposed Comp. Storage Basin	2	2	0
Plat of Highway	0	22	+22
ADA Ramp Details	28	27	-1
Intersection Grading Plan	4	4	0
Pavement Marking, Signing and Landscape Plan	13	19	+6
Comp. Storage Landscape Plan	2	1	-1
Traffic Signal Plans	83	103	+20
Lighting Plans	4	4	0
Force Main and Lift Station Plans	16	16	0
Utility Plans	24	25	+1
Structural Plans	98	105	+7
Construction Details	0	2	+2
IDOT District 1 Standard Details	0	18	+18
Lake County Standard Details	0	40	+40
Cross Sections	109	292	+183
TOTAL	646	969	+323

Task 18 – Final Plans, Specifications and Cost Estimate (100%)

This task includes an additional level of effort is required to prepare Final Plans, Specifications and Cost Estimate based off the additional sheets from the original contract and Change Order #2 (See Task 17).

- This task also includes design changes abutting the Federal Life property which has been acquired by the Village of Riverwoods. Based on the latest coordination, the County will incorporate the southern basin design into the roadway contract plan. A temporary drainage improvement may be needed based on the construction sequencing of the other site work being conducted by the Village, including the northern detention/compensatory storage basin. The Village is permitting this work through LCSMC separately, but a portion of their improvement will be incorporated into the roadway design. The Village has been delayed with implementing this improvement, which was anticipated to initiate construction in 2025.
- This task includes additional effort to incorporate design changes following the Final Plan submittal to IDOT on June 8, 2026, and prior to the project letting in September 2026. Several design items may continue to be advanced in final design which require coordination and review by other agencies, including:
 - Village of Riverwoods Federal Life Site Design
 - Village of Riverwoods sanitary sewer design
 - Village of Riverwoods watermain design
 - Lake County Public Works gravity sanitary sewer design

Task 19 – Land Acquisition Services

In addition to the land acquisition scope identified under the original contract and Change Order #2, the following parcel-specific coordination activities have occurred since October 2024 and required additional effort:

- Parcel 0005 (Deerwaukee): Coordination with LCDOT/SAO regarding right-of-way vs. easement interests within the apparent existing right-of-way (including review of title/quitclaim documentation), development of updated exhibits for SAO coordination, and updates to the Plat of Highway (POH) / legal descriptions for resubmittal/approval as required.
- Parcel 0008 (Elevate Care / Brentwood): Additional coordination to support discovery/interrogatories and property-owner coordination, including preparation of plan excerpts and a parking lot construction staging memorandum (and related access/parking coordination) to support ongoing discussions.
- Parcel 0016 (Fourkas): Preparation and refinement of parcel history/support documentation and exhibits to support condemnation coordination, including updates requested by LCDOT and SAO and coordination related to trial/settlement discussions and complaint language describing intended use of the permanent easement.

Due to project schedule being extended, several temporary construction easements expire in 2028 and 2029 and may need to be updated. Subconsultants Santacruz Land Acquisitions and HLR will perform the temporary construction easement updates, which include appraisal, review appraisal and negotiations. Temporary Construction Easement updates will be provided for parcels: 0015, 0019, 0020, 0029, and 0041.

Task 21 – Phase III Support

An additional level of effort is included for added design complexity of the project to provide shop drawing review for LCDOT during construction and will clarify design intent to the RE if questions arise. The duration of construction is anticipated to be 30 months.

Task 22 – QA/QC

CBBEL will provide additional QA/QC services to support the extended Pre-Final design development and the required additional plan submittals, including additional coordination associated with the separate development of the Village of Riverwoods watermain relocation work. Pre-Final Plans (95%) were submitted to IDOT in April 2024; IDOT requested a second Pre-Final Plan submittal, which was completed on January 19, 2026. This change order includes an additional round of QA/QC associated with the second Pre-Final plan submittal and subsequent comment resolution activities. Additional QA/QC areas included:

- Review of design calculations and supporting documentation, including verification of key assumptions and updates driven by design changes.
- Constructability and staging (MOT) reviews to confirm that phasing, detours, and temporary traffic control are consistent across plan sheets and details.
- Utility coordination/constructability checks to confirm utility relocation requirements and conflict resolutions are reflected consistently in roadway, drainage, and utility plans.
- Compliance and completeness checks for Pre-Final and Final PS&E format/content, including special provisions and coordination items tied to agency review comments (IDOT, LCDOT, LCPW, and the Village of Riverwoods, as applicable).
- Documentation of decisions and directives and maintenance of project QA/QC records to support submittals and agency coordination.

Task 23 – Administration

The original Phase II design engineering contract approved in May 2020 assumed an August 2025 project letting. Since the project letting has shifted to September 2026, an additional level of effort is required to provide extended project management and administration services for the additional months of project duration. It is assumed that the administration for this project will substantially through construction completion. The substantive administrative work will go until March 2027. This includes overall project administration, work force planning/allocation, schedule management, coordination tracking, and preparation of monthly progress documentation throughout the extended design and permitting/agency coordination period.

- Preparation of monthly progress reports and ongoing project correspondence/coordination logs.

- Project scheduling updates, tracking of key milestones and deliverables, and coordination of internal staffing/work planning to support the revised letting schedule.
- Document management and submittal coordination (including compilation/distribution of review packages, comment tracking, and response coordination across disciplines and agencies).
- Project status meetings every three weeks with LCDOT staff.
- Internal project coordination/status meetings bi-weekly with discipline leads.
- Ongoing contract administration tasks including invoicing support, budget tracking, and change coordination associated with the extended project duration.

This task also includes federal funding support, including preparation and submittal of CMAP quarterly updates, tracking of funding/programming status, and coordination with LCDOT to address CMAP feedback. As needed, CBBEL will compile and provide supporting documentation for requests to increase programmed funding to support LCDOT's coordination with CMAP.

Task 24 – Phase I Addendum

This task will include preparation of Phase I Addendum documentation to address design changes from the approved Phase I Combined Design Report and Phase I and July 2024 Phase I Addendum, including:

- Traffic Signal Modernization Modifications (Flashing Yellow Arrow)
 - New signal heads for implementation of flashing yellow left turn arrows at:
 - Deerfield Road at Portwine Road
 - Deerfield Road at Saunders/Riverwoods Road
 - Deerfield Road at Parkway North
 - Deerfield Road at I-94 On-Ramp
 - Saunders Road at Parkway North
- New Retaining Wall
 - Retaining Wall K change of location (149+20 LT to 150+50 LT)
- Traffic Management Analysis (TMP)
 - Northbound Portwine Road Detour

Coordination related to the Phase I Addendum is included in this task.

WORK HOUR ESTIMATE



DEERFIELD ROAD RECONSTRUCTION (IL ROUTE 21 TO SAUNDERS/RIVERWOODS ROAD)

Design Engineering Services - Change Order #3

EXHIBIT A1 - Work Hour Estimate

TASK	DESCRIPTION	TOTAL WORK HOURS	CONSULTANT		
			CBB	HH	TSC
1	PICK-UP SURVEY				
a	Pick-up Survey Conducted & Supplemental	146	146	-	-
b	Supplemental Pick-up Survey	32	32	-	-
	SUBTOTAL	178	178	-	-
2	GEOTECHNICAL INVESTIGATIONS & ANALYSIS				
a	Survey Coordination	21	8	-	13
	SUBTOTAL	21	8	-	13
3	DRAIANGE STUDIES				
a	Federal Life Property	240	240	-	-
b	Drainage Design Adjustments	174	174	-	-
	SUBTOTAL	414	414	-	-
4	PERMITS				
a	LCSMC Stormwater Permit	24	24	-	-
b	SWPP	16	16	-	-
c	USACE Permit	40	40	-	-
d	Env. Clearances (IDOT)	16	16	-	-
e	BBA	22	22	-	-
f	Agency Coordination	32	32	-	-
	SUBTOTAL	150	150	-	-
5	AGENCY & PUBLIC COORDINATION				
a	Agency Coordination Meetings (6)	48	48	-	-
a2	Agency Coordination	32	32	-	-
	SUBTOTAL	80	80	-	-
8	PLAT OF HIGHWAY				
a	Plat of Highway Adjustments	148	148	-	-
b	Easement Dedication (Fed Life)	72	72	-	-
	SUBTOTAL	220	220	-	-
10	TRAFFIC SIGNAL IMPROVEMENT PLANS				
a	Flashing Yellow	250	250	-	-
	SUBTOTAL	250	250	-	-
13	BOX CULVERT DESIGN				
a	Box Culvert Design	236	236	-	-
	SUBTOTAL	236	236	-	-
14	RETAINING WALL DESIGN				
a	Wall A	48	48	-	-
b	Wall B	36	36	-	-
c	Wall C	96	96	-	-
d	Wall J	24	24	-	-
e	Wall K	72	72	-	-

WORK HOUR ESTIMATE



DEERFIELD ROAD RECONSTRUCTION (IL ROUTE 21 TO SAUNDERS/RIVERWOODS ROAD)

Design Engineering Services - Change Order #3

EXHIBIT A1 - Work Hour Estimate

TASK	DESCRIPTION	TOTAL WORK HOURS	CONSULTANT		
			CBB	HH	TSC
f	Wall M	48	48	-	-
SUBTOTAL		324	324	-	-
16	UTILITY COORDINATION & DESIGN				
a	Monthly Meetings	40	40	-	-
b	Riverwoods Sanitary Sewer	60	60		
c	Utility Bridge Design Coordination	48	48	-	-
SUBTOTAL		148	148	-	-
17	PRE-FINAL CONTRACT PLANS (95% DESIGN)				
a	Pre-Final Submittal #2	3,574	3,574	-	-
SUBTOTAL		3,574	3,574	-	-
18	FINAL CONTRACT PLANS (100% DESIGN)				
a	Plans, Specifications and Estimates	1,046	1,046	-	-
SUBTOTAL		1,046	1,046	-	-
19	LAND ACQUISITION SERVICES				
a	Land Acquisition Services (0005, 0008, 0016)	32	32	-	-
b	Temporary Easement Update	32	32	-	-
SUBTOTAL		64	64	-	-
21	PHASE III SUPPORT				
a	Phase III Support	100	100	-	-
SUBTOTAL		100	100	-	-
22	QA/QC				
a	Plans, Specifications and Estimates	72	72	-	-
SUBTOTAL		72	72	-	-
23	PROJECT MANAGEMENT & ADMINISTRATION				
a	Monthly Administration	48	48	-	-
b	County Meetings	36	36		
c	Internal Meetings	96	96		
SUBTOTAL		180	180	-	-
24	PHASE I ADDENDUM				
a	Plans, Specifications and Estimates - Refer to Exhibit A3 for detail	32	32	-	-
SUBTOTAL		32	32	-	-
TOTAL		7,089	7,076	-	13



Christopher B. Burke Engineering, Ltd.

WORK HOUR ESTIMATE

DEERFIELD ROAD RECONSTRUCTION (IL ROUTE 21 TO SAUNDERS/RIVERWOODS ROAD)

Design Engineering Services - Change Order #3

EXHIBIT A1 - Work Hour Estimate

PART	DESCRIPTION	SCALE	TOTAL HOURS PER	SHEET TOTALS				TASK 17 - PRE-FINAL 95% (CORRIDOR)			TASK 18 - FINAL/BID 100% (CORRIDOR)		
				No. Sheets		Total Hours		TOTAL HOURS PER	85% of Hrs		TOTAL HOURS PER	15% of Hrs	
				CBB	TOTAL	CBB	TOTAL		CBB	TOTAL		CBB	TOTAL
A GENERAL SHEETS													
1	Cover Sheet	NTS	6		-	-	-	5.1	-	-	0.9	-	-
2	Index of Sheets, Highway Stds, General Notes	NTS	8	3	3	24	24	6.8	20	20	1.2	4	4
3	Summary of Quantities	NTS	4	19	19	76	76	3.4	65	65	0.6	11	11
4	Schedule of Quantities	NTS	4	(10)	(10)	(40)	(40)	3.4	(34)	(34)	0.6	(6)	(6)
5	Alignment, Ties & Benchmarks	1"=50'	4	1	1	4	4	3.4	3	3	0.6	1	1
SUBTOTAL				13	13	64	64		54	54		10	10
B MAINTENANCE OF TRAFFIC													
1	General & Construction Staging Notes	NTS	6	(1)	(1)	(6)	(6)	5.1	(5)	(5)	0.9	(1)	(1)
2	Traffic Control Details	NTS	6	-	-	-	-	5.1	-	-	0.9	-	-
3	Typical Sections - Pre-Stage	NTS	5	1	1	5	5	4.3	4	4	0.8	1	1
4	Typical Sections - Stage 1	NTS	5	(2)	(2)	(10)	(10)	4.3	(9)	(9)	0.8	(2)	(2)
5	Typical Sections - Stage 2	NTS	5	-	-	-	-	4.3	-	-	0.8	-	-
6	Typical Sections - Stage 3	NTS	5	-	-	-	-	4.3	-	-	0.8	-	-
7	Traffic Control Plan - Pre-Stage	1"=50'	7	4	4	28	28	6.0	24	24	1.1	4	4
8	Traffic Control Plan - Stage 1	1"=50'	7	3	3	21	21	6.0	18	18	1.1	3	3
9	Traffic Control Plan - Stage 2	1"=50'	7	3	3	21	21	6.0	18	18	1.1	3	3
10	Traffic Control Plan - Stage 3	1"=50'	7	3	3	21	21	6.0	18	18	1.1	3	3
11	Intersection Staging Notes & Details	NTS	10	-	-	-	-	8.5	-	-	1.5	-	-
SUBTOTAL				11	11	80	80		68	68		12	12
C CIVIL													
1	Existing Conditions & Removal	1"=20'	4	1	1	4	4	3.4	3	3	0.6	1	1
2	Existing Typical Sections	NTS	6	-	-	-	-	5.1	-	-	0.9	-	-
4	Proposed Typical Sections	NTS	10	1	1	10	10	8.5	9	9	1.5	2	2
6	Roadway Plan & Profile	1"=20'	14	2	2	28	28	11.9	24	24	2.1	4	4
7	Detailed Grading Plans	1"=10'	14	-	-	-	-	11.9	-	-	2.1	-	-
9	Intersection Grading Plan	1"=10'	20	-	-	-	-	17.0	-	-	3.0	-	-
10	Pavement Marking & Landscape Plans	1"=20'	18	6	6	108	108	15.3	92	92	2.7	16	16
11	Detention Basin Landscape Plan	1"=30'	8	-	-	-	-	6.8	-	-	1.2	-	-
12	Cross Sections (Mainline; 50' Intervals)	10H:5V	7	183	183	1,281	1,281	6.0	1,089	1,089	1.1	192	192
13	IDOT / Lake County Std. Details	NTS	4	58	58	232	232	3.4	197	197	0.6	35	35
14	Construction Details	NTS	16	2	2	32	32	13.6	27	27	2.4	5	5
SUBTOTAL				253	253	1,695	1,695		1,441	1,441		254	254
D EROSION CONTROL													
1	Erosion Control Notes	NTS	10	-	-	-	-	8.5	-	-	1.5	-	-
2	Erosion Control Plan - Pre-Stage	1"=50'	10	-	-	-	-	8.5	-	-	1.5	-	-
3	Erosion Control Plan - Stage 1	1"=50'	10	3	3	30	30	8.5	26	26	1.5	5	5
4	Erosion Control Plan - Stage 2	1"=50'	10	3	3	30	30	8.5	26	26	1.5	5	5
5	Erosion Control Plan - Stage 3	1"=50'	10	3	3	30	30	8.5	26	26	1.5	5	5
6	Details	NTS	10	-	-	-	-	8.5	-	-	1.5	-	-



Christopher B. Burke Engineering, Ltd.

WORK HOUR ESTIMATE

DEERFIELD ROAD RECONSTRUCTION (IL ROUTE 21 TO SAUNDERS/RIVERWOODS ROAD)
Design Engineering Services - Change Order #3
EXHIBIT A1 - Work Hour Estimate

PART	DESCRIPTION	SCALE	SHEET TOTALS				TASK 17 - PRE-FINAL 95% (CORRIDOR)			TASK 18 - FINAL/BID 100% (CORRIDOR)			
			TOTAL HOURS PER	No. Sheets		Total Hours		TOTAL HOURS PER	85% of Hrs		TOTAL HOURS PER	15% of Hrs	
				CBB	TOTAL	CBB	TOTAL		CBB	TOTAL		CBB	TOTAL
	SUBTOTAL		60	9	9	90	90	77	77	14	14		
E	DRAINAGE												
1	Schedules	NTS	12	-	-	-	-	10.2	-	-	1.8	-	-
2	Drainage Removals	1"=20'	5	-	-	-	-	4.3	-	-	0.8	-	-
3	Drainage Plan and Profile	1"=20'	14	2	-	28	28	11.9	24	24	2.1	4	4
4	Temp Drainage Plan	1"=20'	2	-	-	-	-	1.7	-	-	0.3	-	-
5	Temp Drainage Schedule	1"=20'	16	-	-	-	-	13.6	-	-	2.4	-	-
6	Detention Storage Basin	1"=30'	32	-	-	-	-	27.2	-	-	4.8	-	-
7	Details	NTS	32	-	-	-	-	27.2	-	-	4.8	-	-
	SUBTOTAL		113	2	-	28	28	24	24	4	4		
F	TRAFFIC												
1	Flashing Yellow	1"=40'	14	-	-	-	-	11.9	-	-	2.1	-	-
	SUBTOTAL		14	-	-	-	-	-	-	-	-		
G	STRUCTURAL												
	<i>General Retaining Wall (500')</i>												
1	General Plan & Elevation		18	-	-	-	-	15.3	-	-	2.7	-	-
2	General Notes & Bill of Materials		16	-	-	-	-	13.6	-	-	2.4	-	-
3	Plan and Elevation		16	-	-	-	-	13.6	-	-	2.4	-	-
4	Sections and Details		14	-	-	-	-	11.9	-	-	2.1	-	-
5	Boring Logs		3	-	-	-	-	2.6	-	-	0.5	-	-
	<i>Trib. To Prairie Creek Culvert</i>												
6	General Plan & Elevation		38	-	-	-	-	32.3	-	-	5.7	-	-
7	Box Culvert Apron End Details		32	-	-	-	-	27.2	-	-	4.8	-	-
	<i>Utility Protection Pad</i>												
8	Detail & Notes		10	-	-	-	-	8.5	-	-	1.5	-	-
9	Boring Log Sheets		2	-	-	-	-	1.7	-	-	0.3	-	-
	SUBTOTAL		149	-	-	-	-	-	-	-	-		
H	OTHER CONTRACT ITEMS												
1	Specifications							42	42		40	40	
2	Quantities Calculations							96	96		48	48	
3	Unit Price Evaluation							16	16		16	16	
4	Engineers Estimate of Cost							32	32		16	16	
5	Cost Participation Breakdown							9	9		12	12	
6	Construction Estimate of Time							16	16		12	12	
7	Construction Scheduling							32	32		16	16	
8	Design Set Packaging							32	32		32	32	
9	Federal Life Site Design Incorporation										320	320	
10	Preparation of Bid Set (Post Pre-Final Plan Revisions Original										240	240	
11	646 shts							1,636	1,636			-	
	SUBTOTAL							1,911	1,911		752	752	



Christopher B. Burke Engineering, Ltd.

WORK HOUR ESTIMATE

DEERFIELD ROAD RECONSTRUCTION (IL ROUTE 21 TO SAUNDERS/RIVERWOODS ROAD)
Design Engineering Services - Change Order #3
EXHIBIT A1 - Work Hour Estimate

PART	DESCRIPTION	SCALE	SHEET TOTALS				TASK 17 - PRE-FINAL 95% (CORRIDOR)			TASK 18 - FINAL/BID 100% (CORRIDOR)			
			TOTAL HOURS PER	No. Sheets		Total Hours		TOTAL HOURS PER	85% of Hrs		TOTAL HOURS PER	15% of Hrs	
			MH	CBB	TOTAL	CBB	TOTAL		CBB	TOTAL		CBB	TOTAL
TOTALS			TOTAL	SHTS	SHTS	HRS	HRS		HRS	SHTS		HRS	SHTS
A	GENERAL SHEETS		64	13	13	64	64		54	54		10	10
B	MAINTENANCE OF TRAFFIC		80	11	11	80	80		68	68		12	12
C	CIVIL		1,695	253	253	1,695	1,695		1,441	1,441		254	254
D	EROSION CONTROL		90	9	9	90	90		77	77		14	14
E	DRAINAGE		28	2	2	28	28		24	24		4	4
F	TRAFFIC		-	-	-	-	-		-	-		-	-
G	STRUCTURAL		-	-	-	-	-		-	-		-	-
H	OTHER CONTRACT ITEMS		2,663	-	-	-	-		1,911	1,911		752	752
SUBTOTAL			4,620	288	288	1,957	1,957		3,574	3,574		1,046	1,046

Local Public Agency

County

Section Number

Prime Consultant (Firm) Name

Prepared By

Date

Consultant / Subconsultant Name

Job Number

Note: This is name of the consultant the CECS is being completed for. This name appears at the top of each tab.

Remarks

PAYROLL ESCALATION TABLE

CONTRACT TERM	12	MONTHS
START DATE	7/1/2026	
RAISE DATE	1/1/2027	
END DATE	6/30/2027	

OVERHEAD RATE	145.92%
COMPLEXITY FACTOR	
% OF RAISE	3.00%

ESCALATION PER YEAR

Year	First Date	Last Date	Months	% of Contract
0	7/1/2026	1/1/2027	6	50.00%
1	1/2/2027	7/1/2027	6	51.50%

Local Public Agency	County	Section Number
Lake County Division of Transportation	Lake	15-00038-07-WR
Consultant / Subconsultant Name		Job Number
Christopher B. Burke Engineering, Ltd.		P-91-159-16

PAYROLL RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET FIXED RAISE

MAXIMUM PAYROLL RATE	90.00
ESCALATION FACTOR	1.50%

JOB SPECIFIC - Classifications and Average Payrates need to match current payrolls submitted to the Department.

CLASSIFICATION	IDOT AVG PAYROLL RATES ON FILE	CALCULATED RATE
Engineer VI	\$87.00	\$88.31
Engineer V	\$73.73	\$74.84
Engineer IV	\$60.59	\$61.50
Engineer III	\$46.49	\$47.19
Engineer I/II	\$39.08	\$39.67
Survey V	\$90.00	\$90.00
Survey IV	\$81.68	\$82.91
Survey III	\$70.50	\$71.56
Survey II	\$58.00	\$58.87
Survey I	\$42.50	\$43.14
Engineering Technician V	\$76.15	\$77.29
Engineering Technician IV	\$57.28	\$58.14
Engineering Technician III	\$50.50	\$51.26
Engineering Technician I/II	\$36.40	\$36.95
CAD Manager	\$75.65	\$76.78
CAD Technician II	\$56.31	\$57.15
CAD Technician I	\$28.33	\$28.75
GIS Specialist III	\$63.00	\$63.95
Landscape Architect II	\$72.00	\$73.08
Environmental Resource Specialist V	\$79.21	\$80.40
Environmental Resource Specialist IV	\$65.80	\$66.79
Environmental Resource Specialist III	\$44.08	\$44.74
Environmental Resource Specialist I/II	\$34.00	\$34.51
Environmental Resource Technician	\$48.50	\$49.23
Landscape Designer I/II	\$34.00	\$34.51
Transportation Planner III	\$62.50	\$63.44
Engineering Intern	\$20.92	\$21.23

Local Public Agency

Lake County Division of Transportation

County

Lake

Section Number

15-00038-07-WR

Consultant / Subconsultant Name

Christopher B. Burke Engineering, Ltd.

Job Number

P-91-159-16

DIRECT COSTS WORKSHEET

List ALL direct costs required for this project. Those not listed on the form will not be eligible for reimbursement by the LPA on this project.
EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

ITEM	ALLOWABLE	QUANTITY	CONTRACT RATE	TOTAL
Per Diem Federal GSA (per)	Up to federal maximum			\$0.00
Lodging (per Federal GSA)	Actual Cost (Up to Federal rate maximum)			\$0.00
Lodging Taxes and Fees (per Federal GSA)	Actual Cost			\$0.00
Air Fare	Coach rate, actual cost, requires minimum two weeks' notice, with prior IDOT approval			\$0.00
Vehicle Mileage (per Federal GSA)	Up to Federal rate maximum	1000	\$0.73	\$725.00
Vehicle Owned or Leased (no mileage charge allowed)	\$45.00/half day (4 hours or less) or \$90/full day			\$0.00
Vehicle Rental	Actual Cost (Up to \$55/day)			\$0.00
Tolls	Actual Cost			\$0.00
Parking	Actual Cost			\$0.00
Overtime	Premium portion (Submit supporting documentation)			\$0.00
Shift Differential	Actual Cost (Based on firm's policy)			\$0.00
Overnight Delivery/Postage/Courier Service	Actual Cost (Submit supporting documentation)			\$0.00
Copies of Deliverables/Mylars (In-house)	Actual Cost (Submit supporting documentation)			\$0.00
Copies of Deliverables/Mylars (Outside)	Actual Cost (Submit supporting documentation)			\$0.00
Project Specific Insurance	Actual Cost			\$0.00
Monuments (Permanent)	Actual Cost			\$0.00
Photo Processing	Actual Cost			\$0.00
2-Way Radio (Survey or Phase III Only)	Actual Cost			\$0.00
Telephone Usage (Traffic System Monitoring Only)	Actual Cost			\$0.00
CADD	Actual Cost (Max \$15/hour)			\$0.00
Web Site	Actual Cost (Submit supporting documentation)			\$0.00
Advertisements	Actual Cost (Submit supporting documentation)			\$0.00
Public Meeting Facility Rental	Actual Cost (Submit supporting documentation)			\$0.00
Public Meeting Exhibits/Renderings & Equipment	Actual Cost (Submit supporting documentation)			\$0.00
Recording Fees	Actual Cost			\$0.00
Transcriptions (specific to project)	Actual Cost			\$0.00
Courthouse Fees	Actual Cost	1	\$300.00	\$300.00
Storm Sewer Cleaning and Televising	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Traffic Control and Protection	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Aerial Photography and Mapping	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Utlility Exploratory Trenching	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Testing of Soil Samples	Actual Cost			\$0.00
Lab Services	Actual Cost (Provide breakdown of each cost)			\$0.00
Equipment and/or Specialized Equipment Rental	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Title Reports	Actual Cost	1	\$1,200.00	\$1,200.00
				\$0.00
				\$0.00
TOTAL DIRECT COSTS:				\$2,225.00

BL R 05514 (Rev. 1/24/26)

Local Public Agency

Lake County Division of Transportation

County

Lake

Section Number

15-00038-07-WR

Consultant / Subconsultant Name

Christopher B. Burke Engineering, Ltd.

Job Number

P-91-159-16

AVERAGE HOURLY PROJECT RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

SHEET 1 OF 3

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJ. RATES			1. Pickup Survey			2. Geotechnical Investigations			3. Drainage Studies			4. Permits			5. Agency / Public Coordination		
		Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg
Engineer VI	88.31	198.0	2.80%	2.47							6	1.45%	1.28				6	7.50%	6.62
Engineer V	74.84	912.0	12.89%	9.65	4	2.25%	1.68	4	50.00%	37.42	32	7.73%	5.78	8	5.33%	3.99	22	27.50%	20.58
Engineer IV	61.50	1,592.0	22.50%	13.84				4	50.00%	30.75	96	23.19%	14.26	12	8.00%	4.92	14	17.50%	10.76
Engineer III	47.19	1,596.0	22.56%	10.64							96	23.19%	10.94	12	8.00%	3.77	10	12.50%	5.90
Engineer I/II	39.67	1,488.0	21.03%	8.34							132	31.88%	12.65	12	8.00%	3.17	8	10.00%	3.97
Survey V	90.00	31.0	0.44%	0.39	5	2.81%	2.53												
Survey IV	82.91	31.0	0.44%	0.36	5	2.81%	2.33												
Survey III	71.56	64.0	0.90%	0.65	14	7.87%	5.63												
Survey II	58.87	123.0	1.74%	1.02	63	35.39%	20.84												
Survey I	43.14	123.0	1.74%	0.75	63	35.39%	15.27												
Engineering Technician V	77.29	0.0																	
Engineering Technician IV	58.14	0.0																	
Engineering Technician III	51.26	0.0																	
Engineering Technician I/II	36.95	0.0																	
CAD Manager	76.78	378.0	5.34%	4.10	24	13.48%	10.35				24	5.80%	4.45						
CAD Technician II	57.15	0.0																	
CAD Technician I	28.75	0.0																	
GIS Specialist III	63.95	66.0	0.93%	0.60							4	0.97%	0.62	8	5.33%	3.41	8	10.00%	6.39
Landscape Architect II	73.08	48.0	0.68%	0.50															
Environmental Resource S	80.40	274.0	3.87%	3.11							16	3.86%	3.11	54	36.00%	28.94	12	15.00%	12.06
Environmental Resource S	66.79	24.0	0.34%	0.23										24	16.00%	10.69			
Environmental Resource S	44.74	70.0	0.99%	0.44										20	13.33%	5.97			
Environmental Resource S	34.51	58.0	0.82%	0.28							8	1.93%	0.67						
Environmental Resource T	49.23	0.0																	
Landscape Designer I/II	34.51	0.0																	
Transportation Planner III	63.44	0.0																	
Engineering Intern	21.23	0.0																	
TOTALS		7076.0	100%	\$57.37	178.0	100.00%	\$58.62	8.0	100%	\$68.17	414.0	100%	\$53.76	150.0	100%	\$64.86	80.0	100%	\$66.28

Local Public Agency

Lake County Division of Transportation

County

Lake

Section Number

15-00038-07-WR

Consultant / Subconsultant Name

Christopher B. Burke Engineering, Ltd.

Job Number

P-91-159-16

AVERAGE HOURLY PROJECT RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

SHEET 2 OF 3

PAYROLL CLASSIFICATION	AVG HOURLY RATES	8. Plat of Highways			10. Traffic Signal Improvement Plans			13. Box Culvert Design			14. Retaining Wall Design			16. Utility Coordination			17. Pre-Final Plans 95%		
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Engineer VI	88.31				2	0.80%	0.71	24	10.17%	8.98	28	8.64%	7.63	6	4.05%	3.58	76	2.13%	1.88
Engineer V	74.84	6	2.73%	2.04	24	9.60%	7.18	32	13.56%	10.15	42	12.96%	9.70	20	13.51%	10.11	432	12.09%	9.05
Engineer IV	61.50				74	29.60%	18.20	56	23.73%	14.59	88	27.16%	16.70	24	16.22%	9.97	898	25.13%	15.45
Engineer III	47.19				82	32.80%	15.48	42	17.80%	8.40	54	16.67%	7.86	40	27.03%	12.75	898	25.13%	11.86
Engineer I/II	39.67				68	27.20%	10.79	42	17.80%	7.06	54	16.67%	6.61	24	16.22%	6.43	840	23.50%	9.32
Survey V	90.00	10	4.55%	4.09															
Survey IV	82.91	26	11.82%	9.80															
Survey III	71.56	16	7.27%	5.20										34	22.97%	16.44			
Survey II	58.87	60	27.27%	16.06															
Survey I	43.14	60	27.27%	11.76															
Engineering Technician V	77.29																		
Engineering Technician IV	58.14																		
Engineering Technician III	51.26																		
Engineering Technician I/II	36.95																		
CAD Manager	76.78	42	19.09%	14.66				40	16.95%	13.01	58	17.90%	13.75				150	4.20%	3.22
CAD Technician II	57.15																		
CAD Technician I	28.75																		
GIS Specialist III	63.95																24	0.67%	0.43
Landscape Architect II	73.08																40	1.12%	0.82
Environmental Resource Spe	80.40																126	3.53%	2.83
Environmental Resource Spe	66.79																0		
Environmental Resource Spe	44.74																45	1.26%	0.56
Environmental Resource Spe	34.51																45	1.26%	0.43
Environmental Resource Tec	49.23																		
Landscape Designer I/II	34.51																		
Transportation Planner III	63.44																		
Engineering Intern	21.23																		
TOTALS		220.0	100%	\$63.61	250.0	100%	\$52.36	236.0	100%	\$62.19	324.0	100%	\$62.26	148.0	100%	\$59.29	3574.0	100%	\$55.86

Local Public Agency

Lake County Division of Transportation

County

Lake

Section Number

15-00038-07-WR

Consultant / Subconsultant Name

Christopher B. Burke Engineering, Ltd.

Job Number

AVERAGE HOURLY PROJECT RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

SHEET 3 OF 3

PAYROLL CLASSIFICATION	AVG HOURLY RATES	18. Final Plans 100%			19. Land Acquisition Services			21. Phase III Support			22. QA/QC			23. Project Management & Administration			24. Phase I Addendum		
		Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg
Engineer VI	88.31	12	1.15%	1.01							18	25.00%	22.08	20	11.11%	9.81			
Engineer V	74.84	136	13.00%	9.73	32	50.00%	37.42	40	40.00%	29.93	18	25.00%	18.71	56	31.11%	23.28	4	12.50%	9.35
Engineer IV	61.50	196	18.74%	11.52	16	25.00%	15.37	40	40.00%	24.60	18	25.00%	15.37	48	26.67%	16.40	8	25.00%	15.37
Engineer III	47.19	300	28.68%	13.53				20	20.00%	9.44				32	17.78%	8.39	10	31.25%	14.75
Engineer I/II	39.67	300	28.68%	11.38										8	4.44%	1.76			
Survey V	90.00				16	25.00%	22.50												
Survey IV	82.91																		
Survey III	71.56																		
Survey II	58.87																		
Survey I	43.14																		
Engineering Technician V	77.29																		
Engineering Technician IV	58.14																		
Engineering Technician III	51.26																		
Engineering Technician I/II	36.95																		
CAD Manager	76.78	40	3.82%	2.94															
CAD Technician II	57.15																		
CAD Technician I	28.75																		
GIS Specialist III	63.95	12	1.15%	0.73													10	31.25%	19.98
Landscape Architect II	73.08	8	0.76%	0.56															
Environmental Resource Spe	80.40	32	3.06%	2.46							18	25.00%	20.10	16	8.89%	7.15			
Environmental Resource Spe	66.79																		
Environmental Resource Spe	44.74	5	0.48%	0.21															
Environmental Resource Spe	34.51	5	0.48%	0.16															
Environmental Resource Tec	49.23																		
Landscape Designer I/II	34.51																		
Transportation Planner III	63.44																		
Engineering Intern	21.23																		
TOTALS		1046.0	100%	\$54.24	64.0	100%	\$75.29	100.0	100%	\$63.97	72.0	100%	\$76.26	180.0	100%	\$66.79	32.0	100%	\$59.46

Local Public Agency

Lake County Division of Transportation

County

Lake

Section Number

15-00038-07-WR

Consultant / Subconsultant Name

Christopher B. Burke Engineering, Ltd.

Job Number

AVERAGE HOURLY PROJECT RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

SHEET 4 OF 3

PAYROLL CLASSIFICATION	AVG HOURLY RATES	Testing Services Corporation			Huff & Huff (Subsidiary of GZA)			Santacruz Land Acquisitions			HLR, Inc.								
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Engineer VI	88.31																		
Engineer V	74.84																		
Engineer IV	61.50																		
Engineer III	47.19																		
Engineer I/II	39.67																		
Survey V	90.00																		
Survey IV	82.91																		
Survey III	71.56																		
Survey II	58.87																		
Survey I	43.14																		
Engineering Technician V	77.29																		
Engineering Technician IV	58.14																		
Engineering Technician III	51.26																		
Engineering Technician I/II	36.95																		
CAD Manager	76.78																		
CAD Technician II	57.15																		
CAD Technician I	28.75																		
GIS Specialist III	63.95																		
Landscape Architect II	73.08																		
Environmental Resource Sp	80.40																		
Environmental Resource Sp	66.79																		
Environmental Resource Sp	44.74																		
Environmental Resource Sp	34.51																		
Environmental Resource Te	49.23																		
Landscape Designer I/II	34.51																		
Transportation Planner III	63.44																		
Engineering Intern	21.23																		
TOTALS		0.0	0%	\$0.00	0.0	0%	\$0.00	0.0	0%	\$0.00	0.0	0%	\$0.00	0.0	0%	\$0.00	0.0	0%	\$0.00

SUBCONSULTANT

TESTING SERVICES CORPORATION



TESTING SERVICE CORPORATION

Corporate Office

360 South Main Place, Carol Stream, IL 60188-2404
Phone 630.462.2600

February 20, 2026

Mr. Matthew Huffman
Christopher B. Burke Engineering, Ltd.
9575 West Higgins Road, Suite 600
Rosemont, IL 60018-4920

RE: P.N. 77,078A / CBBEL # 190304.0003A
Geotechnical Exploration
Retaining Wall E & Lift Station
Deerfield Road
Lake County, IL

Dear Mr. Huffman:

Testing Service Corporation (TSC) is pleased to submit this proposal to provide Geotechnical Engineering Services for the above captioned project. It is in response to Majid Mobasseri's phone call and email dated January 23, 2026. The objectives of the Geotechnical Exploration are to explore soil and groundwater conditions and provide recommendations for retaining wall foundation design in connection with the proposed retaining Wall E, as well as for temporary sheeting in connection with a lift station. It is understood that the lift station excavation will be about 21 feet below existing grade.

Boring Program:

As requested, the following are additional borings needed for Retaining Wall E as well as the temporary wall needed for a proposed lift station. The depth of the borings is also provided.

Wall Name	Boring No.	Depth (ft)
Wall E – Sta.127+40	601	30
Lift Station Temporary Wall	602	60
Total Footage =		90

For the purposes of this proposal, we have assumed that the boring locations will be accessible to a conventional truck or ATV-mounted drill. In this regard, they should not be located in standing water, within wooded areas or on steeply sloping ground. No provisions have been made for tree/brush clearing or other obstruction removal should borehole access be impeded. Landscape restoration (if required) is also not included in the project budget.

TSC will utilize personnel who are trained in layout procedures to stake the borings in the field. Ground surface elevations for each borehole will be determined by GPS using a Trimble R12 GNSS receiver. Utility clearance for the borings will be obtained by contacting JULIE (Joint Utility Locating Information for Excavators). Private underground utility lines will have to be marked by the property owner or their agents; a private locator can be hired for an added cost if necessary.

Soil samples will primarily be obtained by split-spoon methods, with thin-walled tubes also taken if conditions dictate. Sampling will be performed at 2½-foot intervals for at least the first 30 feet (and greater if fill or unsuitable soil types extend below that depth as well as in cut or detention areas), to otherwise not exceed 5-foot intervals. A representative portion of the split-spoon samples will be placed in a glass jar with a screw-type lid for transportation to our laboratory. Groundwater observations will also be made during and following completion of drilling operations, with the boreholes to be backfilled immediately and any in pavement areas also patched at the surface.



Lake County Approval:

Deerfield Road (County Highway 11) is under Lake County jurisdiction and will require approval to perform the field work within the county highway right-of-way.

Traffic Control:

It is anticipated that the shoulder and/or one traffic lane will have to be temporarily blocked at the boring locations along Deerfield Road using professional traffic control with flagmen or specific traffic control measures. This proposal includes a provision for lane closures by a professional traffic control firm. If it is determined that traffic control is not needed, you will not be charged for this service.

Please note that our cost estimate for this project is based on the assumption that TSC will be able to perform cores and borings during weekdays (Monday through Friday) beginning no later than 8:00 AM and ending no sooner than 3:00 PM. A cost supplement to this proposal may be required if the County imposes restricted hours (nights or weekends) to complete any of this work.

Laboratory Testing:

Samples obtained from the borings will be examined by experienced laboratory personnel in order to verify field descriptions as well as to visually classify in accordance with the Unified and AASHTO Soil Classification Systems. Laboratory testing will include moisture content and dry unit weight determinations, as well as measurements of unconfined compressive strength (Q_u) on cohesive soils using a proving ring tester, approved by IDOT. An estimate of unconfined compressive strength will be obtained on cohesive samples using a calibrated pocket penetrometer (Q_p) when using a proving ring tester is not possible. Representative subgrade samples will be tested for Atterberg limits and grain size analysis in accordance with IDOT procedures. Other tests deemed to be necessary by TSC's Project Engineer may also be recommended for your approval.

Engineering Report:

A geotechnical engineering report will be prepared upon completion of field and laboratory testing, to include typed boring logs and a location plan. The report will provide a summary of soil and groundwater conditions as well as address their impact on the proposed site development. It will also provide recommendations to guide design and specification preparation pertaining to geotechnical issues relevant to the structure or purpose described in this proposal. These may include the following as applicable:

- General earthwork and construction considerations.
- Remedial work and/or treatment of unstable or unsuitable soil types.
- Soil properties for retaining wall and temporary sheet design.
- Anticipation and management of groundwater.



Fees and Scope:

In accordance with the Cost Estimate attached, TSC is proposing a not-to-exceed budget amount of **Thirteen Thousand One Hundred Fifty Dollars (\$ 13,150.00)** to provide the Geotechnical Exploration outlined above. Our proposal is based on the understanding that the boring locations are accessible to conventional drilling equipment and the work can be performed during standard business hours. Our fee is further subject to this proposal being accepted by you on or before June 30, 2026.

Should the study reveal unexpected subsurface conditions requiring a change in the scope of work, you will be contacted before we proceed with any additional work. Our invoice would then be based on our standard unit rates given in the attached Cost Estimate or as otherwise agreed upon. While our quoted fee does not include earthwork, excavation, and/or footing observations during the construction phase, the project budget should include a provision for these services. Plan review, preconstruction meetings and/or other consulting and professional services that are provided subsequent to the delivery of TSC's report would be covered by a separate invoice.

TSC's geotechnical investigation does not include services required to evaluate the likelihood of the site being contaminated by hazardous materials or other pollutants. Analytical testing which would be required in connection with IEPA Form LPC-663, Uncontaminated Soil Certification is also not included. Should environmental and/or analytical testing be desired, please contact the undersigned for additional details and/or associated costs.

Closure:

The geotechnical engineering services being performed are subject to TSC's attached General Conditions. TSC charges include all state and federal taxes that may be required. However, unless stated otherwise they do not include license, permit or bond fees that local governments may impose, if any to potentially be added to our invoice. The invoice will be sent to the following unless written instructions to the contrary are received:

Mr. Matthew Huffman
Christopher B. Burke Engineering, Ltd.
9575 West Higgins Road Suite 600
Rosemont, IL 60018-4920
Tel: (847) 823-0500
Email: mhuffman@cbbel.com

If this proposal meets with your approval, please indicate your acceptance by signing one copy and returning it to our Carol Stream, Illinois office. It would be helpful if you could also complete the attached Project Data form indicating who is to receive copies of TSC's report and other related information.



Your consideration of our proposal is appreciated. We look forward to being of service to you on this project.

Respectfully submitted,

TESTING SERVICE CORPORATION

Timothy R. Peceniak, P.E.
Geotechnical Engineer

Enc: Cost Estimate
General Conditions
Project Data Sheet

Approved and accepted for Christopher B. Burke Engineering, Ltd. _____ by:

(NAME)

President

(TITLE)

2/20/2026

(DATE)

CBBEL Project Number: 01 R 1 9 0 3 0 4 0 0 0 3 A

Please fill out the Project Data Sheet at the end of this document



COST ESTIMATE
 Retaining Wall E & Lift Station
 Deerfield Road
 Lake County, IL

ITEM	UNIT	QTY	RATE	COST	
STAKING AND UTILITY CLEARANCE					
1.1	Layout Person to Mark Boring Locations, Obtain Surface Elevations and Arrange for Clearance of Underground Utilities	Hour	3.5	120.00	\$ 420.00
1.2	Utility Locator to Mark Private Underground Lines incl. Inside Existing Buildings	Cost + 10%	0	Est. 800.00	\$ 0.00
DRILLING AND SAMPLING					
2.1	Drill Mounted on Truck or ATV with Two-Person Crew - 8 Hrs (Portal-to-Portal)	Day	2	3,700.00	\$ 7,400.00
TRAFFIC CONTROL					
3.1	2-Man Flagging Crew, Regular Time (Portal to Portal), minimum 6.0 Hours	Hour	8	340.00	\$ 2,720.00
3.2	2-Man Flagging Crew, Overtime	Hour	1	425.00	\$ 425.00
LABORATORY TESTING					
4.1	Examine Samples to Describe by Textural System and Classify Using the Unified Soil Classification System	Each	31	5.00	\$ 155.00
4.2	Water Content Determination (Includes Pocket Penetrometer Reading on Cohesive Samples)	Each	30	10.00	\$ 300.00
4.3	Unconfined Compressive Strength of Cohesive Soils or Torvane Shear Strength Measurement	Each	10	20.00	\$ 200.00
4.4	Dry Unit Weight Determination	Each	4	10.00	\$ 40.00
ENGINEERING SERVICES					
5.1	Update Geotechnical Reports with Additional Boring Logs and Location Plan	Lump Sum	1	1,500.00	\$ 1,500.00
5.2	Senior Geotechnical Engineer to Consult or Attend Project Meetings	Hour	0.0	200.00	\$ 0.00
ESTIMATED TOTAL					\$ 13,160.00
RECOMMENDED BUDGET					\$ 13,150.00



TESTING SERVICE CORPORATION

PROJECT DATA SHEET

CBBEL Project Number: 0 1 . R 1 9 0 3 0 4 . 0 0 0 3 A

Project Info	Changes (If needed)
Name: Retaining Walls E & Lift Station	
Address: Deerfield Road	
City/State/Zip: Lake County, IL	
Project Manager:	
Email:	
Telephone:	

Invoicing	
To:	Accounts Payable
Email:	ap@cbbel.com



TESTING SERVICE CORPORATION

GENERAL CONDITIONS Geotechnical and Construction Services

1. PARTIES AND SCOPE OF WORK: If Client is ordering the services on behalf of another, Client represents and warrants that Client is the duly authorized agent of said party for the purpose of ordering and directing said services, and in such case the term "Client" shall also include the principal for whom the services are being performed. Prices quoted and charged by TSC for its services are predicated on the conditions and the allocations of risks and obligations expressed in these General Conditions. Unless otherwise stated in writing, Client assumes sole responsibility for determining whether the quantity and the nature of the services ordered by Client are adequate and sufficient for Client's intended purpose. Unless otherwise expressly assumed in writing, TSC's services are provided exclusively for client. TSC shall have no duty or obligation other than those duties and obligations expressly set forth in this Agreement. TSC shall have no duty to any third party. Client shall communicate these General Conditions to each and every party to whom the Client transmits any report prepared by TSC. Ordering services from TSC shall constitute acceptance of TSC's proposal and these General Conditions.

2. SCHEDULING OF SERVICES: The services set forth in this Agreement will be accomplished in a timely and workmanlike manner. If TSC is required to delay any part of its services to accommodate the requests or requirements of Client, regulatory agencies, or third parties, or due to any cause beyond its reasonable control, Client agrees to pay such additional charges, if any, as may be applicable.

3. ACCESS TO SITE: TSC shall take reasonable measures and precautions to minimize damage to the site and any improvements located thereon as a result of its services or the use of its equipment; however, TSC has not included in its fee the cost of restoration of damage which may occur. If Client desires or requires TSC to restore the site to its former condition, TSC will, upon written request, perform such additional work as is necessary to do so and Client agrees to pay to TSC the cost thereof plus TSC's normal markup for overhead and profit.

4. CLIENT'S DUTY TO NOTIFY ENGINEER: Client represents and warrants that Client has advised TSC of any known or suspected hazardous materials, utility lines and underground structures at any site at which TSC is to perform services under this Agreement. Unless otherwise agreed in writing, TSC's responsibility with respect to underground utility locations is to contact the Illinois Joint Utility Locating Information for Excavators for the location of public, but not private, utilities.

5. DISCOVERY OF POLLUTANTS: TSC's services shall not include investigation for hazardous materials as defined by the Resource Conservation Recovery Act, 42 U.S.C. § 6901, et, seq., as amended ("RCRA") or by any state or Federal statute or regulation. In the event that hazardous materials are discovered and identified by TSC, TSC's sole duty shall be to notify Client.

6. MONITORING: If this Agreement includes testing construction materials or observing any aspect of construction of improvements, Client's construction personnel will verify that the pad is properly located and sized to meet Client's projected building loads. Client shall cause all tests and inspections of the site, materials and work to be timely and properly performed in accordance with the plans, specifications, contract documents, and TSC's recommendations. No claims for loss, damage or injury shall be brought against TSC unless all tests and inspections have been so performed and unless TSC's recommendations have been followed.

TSC's services shall not include determining or implementing the means, methods, techniques or procedures of work done by the contractor(s) being monitored or whose work is being tested. TSC's services shall not include the authority to accept or reject work or to in any manner supervise the work of any contractor. TSC's services or failure to

perform same shall not in any way operate or excuse any contractor from the performance of its work in accordance with its contract. "Contractor" as used herein shall include subcontractors, suppliers, architects, engineers and construction managers.

Information obtained from borings, observations and analyses of sample materials shall be reported in formats considered appropriate by TSC unless directed otherwise by Client. Such information is considered evidence, but any inference or conclusion based thereon is, necessarily, an opinion also based on engineering judgment and shall not be construed as a representation of fact. Subsurface conditions may not be uniform throughout an entire site and ground water levels may fluctuate due to climatic and other variations. Construction materials may vary from the samples taken. Unless otherwise agreed in writing, the procedures employed by TSC are not designed to detect intentional concealment or misrepresentation of facts by others.

7. DOCUMENTS AND SAMPLES: Client is granted an exclusive license to use findings and reports prepared and issued by TSC and any sub-consultants pursuant to this Agreement for the purpose set forth in TSC's proposal provided that TSC has received payment in full for its services. TSC and, if applicable, its sub-consultant, retain all copyright and ownership interests in the reports, boring logs, maps, field data, field notes, laboratory test data and similar documents, and the ownership and freedom to use all data generated by it for any purpose. Unless otherwise agreed in writing, test specimens or samples will be disposed immediately upon completion of the test. All drilling samples or specimens will be disposed sixty (60) days after submission of TSC's report.

8. TERMINATION: TSC's obligation to provide services may be terminated by either party upon (7) seven days prior written notice. In the event of termination of TSC's services, TSC shall be compensated by Client for all services performed up to and including the termination date, including reimbursable expenses. The terms and conditions of these General Conditions shall survive the termination of TSC's obligation to provide services.

9. PAYMENT: Client shall be invoiced periodically for services performed. ~~Client agrees to pay each invoice within thirty (30) days of its receipt. Client further agrees to pay interest on all amounts invoiced and not paid or objected to in writing for valid cause within sixty (60) days at the rate of twelve (12%) per annum (or the maximum interest rate permitted by applicable law, whichever is the lesser) until paid and TSC's costs of collection of such accounts, including court costs and reasonable attorney's fees.~~

10. WARRANTY: TSC's professional services will be performed, its findings obtained and its reports prepared in accordance with these General Conditions and with generally accepted principles and practices. In performing its professional services, TSC will use that degree of care and skill ordinarily exercised under similar circumstances by members of its profession. In performing physical work in pursuit of its professional services, TSC will use that degree of care and skill ordinarily used under similar circumstances. This warranty is in lieu of all other warranties or representations, either express or implied. Statements made in TSC reports are opinions based upon engineering judgment and are not to be construed as representations of fact.

~~Should TSC or any of its employees be found to have been negligent in performing professional services or to have made and breached any express or implied warranty, representation or contract, Client, all parties claiming through Client and all parties claiming to have in any way relied upon TSC's services or work agree that the maximum aggregate amount of damages for which TSC, its officers, employees and agents shall be liable is limited to \$50,000 or the total amount of the fee paid to TSC for its services performed with respect to the project, whichever amount is greater.~~

~~In the event Client is unwilling or unable to limit the damages for which TSC may be liable in accordance with the provisions set forth in the preceding paragraph, upon written request of Client received within five days of Client's acceptance of TSC's proposal together with payment of an additional fee in the amount of 5% of TSC's estimated cost for its services (to be adjusted to 5% of the amount actually billed by TSC for its services on the project at time of completion), the limit on damages shall be increased to \$500,000 or the amount of TSC's fee, whichever is the greater. This charge is not to be construed as being a charge for insurance of any type, but is increased consideration for the exposure to an award of greater damages.~~

11. INDEMNITY: Subject to the provisions set forth herein, TSC and Client hereby agree to indemnify and hold harmless each other and their respective shareholders, directors, officers, partners, employees, agents, subsidiaries and division (and each of their heirs, successors, and assigns) from any and all claims, demands, liabilities, suits, causes of action, judgments, costs and expenses, including reasonable attorneys' fees, arising, or allegedly arising, from personal injury, including death, property damage, including loss of use thereof, due in any manner to the negligence of either of them or their agents or employees or independent contractors. In the event both TSC and Client are found to be negligent or at fault, then any liability shall be apportioned between them pursuant to their pro rata share of negligence or fault. TSC and Client further agree that their liability to any third party shall, to the extent permitted by law, be several and not joint. The liability of TSC under this provision shall not exceed the policy limits of insurance carried by TSC. Neither TSC nor Client shall be bound under this indemnity agreement to liability determined in a proceeding in which it did not participate represented by its own independent counsel. The indemnities provided hereunder shall not terminate upon the termination or expiration of this Agreement, but may be modified to the extent of any waiver of subrogation agreed to by TSC and paid for by Client.

12. SUBPOENAS: TSC's employees shall not be retained as expert witnesses except by separate, written agreement. Client agrees to pay TSC pursuant to TSC's then current fee schedule for any TSC employee(s) subpoenaed by any party as an occurrence witness as a result of TSC's services.

13. OTHER AGREEMENTS: TSC shall not be bound by any provision or agreement (i) requiring or providing for arbitration of disputes or controversies arising out of this Agreement or its performance, (ii) wherein TSC waives any rights to a mechanics lien or surety bond claim; (iii) that conditions TSC's right to receive payment for its services upon payment to Client by any third party or (iv) that requires TSC to indemnify any party beyond its own negligence. These General Conditions are notice, where required, that TSC shall file a lien whenever necessary to collect past due amounts. This Agreement contains the entire understanding between the parties. Unless expressly accepted by TSC in writing prior to delivery of TSC's services, Client shall not add any conditions or impose conditions which are in conflict with those contained herein, and no such additional or conflicting terms shall be binding upon TSC. The unenforceability or invalidity of any provision or provisions shall not render any other provision or provisions unenforceable or invalid. This Agreement shall be construed and enforced in accordance with the laws of the State of Illinois. In the event of a dispute arising out of or relating to the performance of this Agreement, the breach thereof or TSC's services, the parties agree to try in good faith to settle the dispute by mediation under the Construction Industry Mediation Rules of the American Arbitration Association as a condition precedent to filing any demand for arbitration, or any petition or complaint with any court. Paragraph headings are for convenience only and shall not be construed as limiting the meaning of the provisions contained in these General Conditions.

SUBCONSULTANT

HUFF AND HUFF, INC.

(A SUBSIDIARY OF GZA)



December 29, 2025

via email: mhuffman@cbbel.com



Known for excellence.
Built on trust.

GEOTECHNICAL
ENVIRONMENTAL
ECOLOGICAL
WATER
CONSTRUCTION
MANAGEMENT

GZA Illinois, Inc.
1301 West 22nd Street
Suite 510
Oak Brook, IL 60523
T: 630-684-9100
F: 630-928-0709

WWW.GZA.COM

Mr. Matt Huffman, PE
Head, Phase I Engineering Department – Transportation Group
Christopher B. Burke Engineering, Ltd.
9675 W. Higgins Road, Suite 600
Rosemont, IL 60018

**Re: Phase II Environmental Supplemental Services (PSI and CCDD)– Deerfield Road
Lake County, Illinois
Proposal No. 81.P013136.26 (Supplement to original Proposal No. 81.PT00017.21
and 81.P013111.25)**

Dear Mr. Huffman:

GZA Illinois, Inc., (GZA), formerly known as Huff & Huff, Inc., a subsidiary of GZA, Inc., is pleased to submit this supplemental proposal to Christopher B. Burke Engineering, Ltd. (Client) to provide environmental services for the local roads portion of the proposed improvements associated with the Deerfield Road Improvements Project in Lake County, Illinois.

The project limits were revised in November 2025, and consist of Deerfield Road from approximately 530 feet west of Milwaukee Avenue to Saunders Road; Portwine Road from approximately 480 feet south to 480 feet north of Deerfield Road; Saunders Road from Deerfield Road to approximately 1,250 feet south of Deerfield Road; an approximate access road of approximately 550 feet between 3725 and 3705 Deerfield Road; and an area of approximately 32,350 square feet north of Deerfield Road at Thorngate Creek (Project Area).

The supplement requested in this proposal was necessary to address the request to include assessment of the adjusted project limits. Specifically, for the PSI/CCDD tasks, this required an additional day of field effort, also accounts for field delays due to incomplete underground utility markings, and increased direct costs for drilling and laboratory analytical services. Additionally, two (2) samples were not collected due to accessibility issues from the proposed compensatory storage area, and Client has indicated that remobilization and collection of these two samples may be feasible in Spring 2026 after land acquisition processes are completed.

1. PROJECT BACKGROUND

In March 2020, GZA prepared a proposal (81.PT00017.21) for the completion of a Preliminary Site Investigation (PSI) and documentation for off-site final disposition of soils at a clean construction and demolition debris (CCDD) or uncontaminated soil fill operation (USFO) facility. In October 2024, GZA created a proposal revision (81.P013111.25) which included updated costs for conducting the PSI and an additional task to complete a Preliminary Environmental Site Assessment (PESA) Validation. In November 2025, GZA conducted the PESA Validation and PSI field activities associated with the two aforementioned proposals, and the associated reports are in progress at current.

During the PSI drilling activities in November 2025, GZA experienced drilling delays due to incomplete markings by underground utility members. The drilling contractor, Earth Solutions, Inc. (Earth Solutions), and GZA coordinated with Joint Utility Locating Information for



Excavators (JULIE) prior to mobilizing; however, United States Infrastructure Company (USIC) was significantly behind and had not cleared borings associated with the Project Area upon arrival. While on site, Earth Solutions and GZA made multiple requests for emergency clearing services; however, USIC requested several days to complete the clearing, well beyond the typical 48-hour clearance protocol. This coupled with additional field time for subcontractors to conduct additional borings, collect and analyze additional samples, resulted in additional mobilizations which increased costs associated with the PSI.

The previous proposal included costs for forty (40) samples to be analyzed for contaminants of concern (COCs) per the IDOT protocol which includes:

- 22 Total metals (Target Analyte List (TAL) minus Aluminum)
- SPLP/TCLP Metals (8 RCRA and Be, Co, Cu, Fe, Mn, Ni, and Zn)
- Volatile organic compounds (VOCs)
- Semi-volatile organic compounds (SVOCs)
- Soil pH

The scope originally considered only analyzing pH on remaining fifteen samples. However, based on recent experience with CCDD facilities, this approach is no longer acceptable for transportation corridor projects of this extent and potential volume for off-site final disposition with a strong preference to complete sampling consistent with IDOT protocol. Therefore, in order to provide soil classifications at each location to complete the PSI and have soil classifications for inclusion in bid documents consistent with IDOT protocol, GZA submitted one sample per boring for analysis of the COCs per the IDOT protocol (IDOT suite). This proposal includes costs for each of the 45 samples, rather than the originally proposed 40 samples, to be analyzed for the IDOT suite.

On November 4, 2025, Client requested additional soil borings to address additional proposed improvements. The additional soil borings were intended to address the following improvements:

- Sanitary Sewer replacement north of Deerfield Road (Sheet #438); NE corner of Riverwoods/Deerfield
- Carriage walk removal and replacement with sod down the east side of Saunders Road from the reconstruction limits to the just north of Parkway North;

As such, this revised proposal includes costs required for the additional soil samples.

In addition, during the PSI soil sampling activities in November 2025, GZA could not access two proposed boring locations associated with the proposed compensatory basin due to landowner concerns regarding access. Therefore, this revised proposal includes costs for remobilization and analytical testing associated with sampling the soil within the area of proposed compensatory basin.

2. SCOPE OF SERVICES

Task 1 – Continued PSI / CCDD

GZA will conduct the remaining PSI/CCDD work in the proposed compensatory storage basin area. The scope of services for completing the PSI/CCDD documentation includes the following sub-tasks.

A. Soil Borings and Soil Sampling

This scope assumes no permits are necessary for completing work within the local jurisdiction right-of-way (ROW) and does not include sampling with IDOT ROW. It is anticipated that up to two (2) days of field effort will be required to mark the boring locations and collect the samples. One (1) soil sample will be collected from hand auger boring in the proposed compensatory storage basin area, and one (1) sediment sample will be collected from Thorngate Creek. Currently it is



estimated that the hand auger boring will be advanced to approximately 5 feet below ground surface (bgs), and the sediment sample will be collected advanced to approximately 1-foot bgs.

B. Analytical

Up to one (1) hand auger location and one (1) sediment sampling location are proposed and we anticipate a single sample from each location for laboratory analysis, for a total of up to (two) samples. The soil samples will be analyzed for the IDOT suite which were listed previously.

C. PSI Report Preparation

Upon completion of the additional PSI/CCDD sampling activities, GZA will prepare a letter report containing the soil and sediment sample collection results. This document will be appended to the PSI. Results of the will present information pertinent for the bidding documents regarding conditions of soils tested, handling and final disposition considerations.

D. CCDD (LPC-Form) Documentation and CCDD Facility Coordination

The soil sample results will be compared to the Maximum Allowable Concentrations (MACs) associated with CCDD facility acceptance, including the soil pH range of 6.25 to 9.0. If results achieve the MAC values, GZA will revise the LPC-663 document. Any locations that do not achieve the MACs (including soil pH range) will be identified as exclusion zones, not acceptable for CCDD facility disposal.

GZA will submit the completed LPC-663 documentation to CCDD facilities in relatively close proximity to the project area for their review of the sampling information and to provide letters of pre-authorization for acceptance of project spoils, citing any exclusions, if any. We understand LCDOT includes the LPC-663 documentation and pre-authorization in the bidding documents. Please note that the pre-authorization letters do not guarantee that spoils will not be rejected because there are acceptance procedures for each incoming load which may trigger a rejection based on appearance, odors, or loads containing materials not eligible for CCDD facility disposal.

Task 2 – QA/QC

Time under this task includes QA/QC time for the PSI reports and CCDD documentation as described above.

3. LEVEL OF EFFORT AND SCHEDULE

Costs are proposed to be on a time and materials basis and are included on the attached spreadsheets using the IDOT BLR 05514 CPFF format with a summary of the original and supplemental costs presented in the table below. The PSI/CCDD work will commence within 5 business days of notice to proceed, with a target completion date of nine (9) weeks from the date of approval. CCDD facility pre-authorization may require an additional two weeks. Please notify GZA if an expedited schedule is necessary to meet project deadlines.

Estimated Cost Summary Table

Scope	Labor & Overhead	Direct Costs	Fixed Fee	Services by Others	Total
Original (10/14/24)	\$15,882	\$49,566	\$1,808	\$0	\$67,256
Supplement 1 (12/23/25)	\$5,539	\$5,039	\$643	\$0	\$11,221
Combined	\$21,421	\$54,605	\$2,451	\$0	\$78,477
Total Estimated Costs					



4. TERMS AND CONDITIONS

CONDITIONS OF ENGAGEMENT

The conditions of engagement are expected to be consistent with the Phase II AGREEMENT FOR SUBCONSULTANT SERVICES for this project, executed on November 15, 2024 (attached for reference) GZA’s report will be prepared on behalf of and for the exclusive use of Client. Client acknowledges and agrees that the report and the findings in the report shall not, in whole or in part, be disseminated or conveyed to any other party, or used or relied upon by any other party, in whole or in part, except for the specific purpose and to the specific parties alluded to above, without the written consent of GZA. GZA would be pleased to discuss the conditions associated with any additional dissemination, use, or reliance by other parties.

ACCEPTANCE

This agreement may be accepted by signing in the appropriate space below and returning one complete copy to GZA. Issuance of a Purchase Order implicitly acknowledges acceptance of this proposal. This proposal is valid for a period of 30 days from the date of issue. We appreciate the opportunity to submit this proposal. Please feel free to contact the undersigned at (630) 684-9100 with any questions.

Very truly yours,
GZA Illinois, Inc.

Katherine Langfoss
Assistant Project Manager

Jeremy J. Reynolds, P.G.
Associate Principal

Attachments: Original Agreement for Subconsultant Services (November 15, 2024)
IDOT BLR 05514 Cost Worksheets

This Supplemental Proposal for Services, Schedule of Fees and Terms and Conditions for Professional Services are hereby accepted and executed by a duly authorized signatory, who by execution hereof, warrants that he/she has full authority to act for, in the name, and on behalf of _____.

By: _____

Title: _____

Printed/Typed Name: _____

Date: _____

The Proposal for Services, Schedule of Fees and Terms and Conditions for Professional Services may be executed in two or more counterparts, each of which together shall be deemed an original, but all of which together shall constitute one and the same instrument. In the event that any signature is delivered by facsimile transmission or by an e-mail delivery of a document in “.pdf” format, each such signature shall create a valid and binding obligation of the party executing the document, or on whose behalf each document is executed, with the same force and effect as if each such facsimile or “.pdf” signature were an original thereof.



March 17, 2020 (Revised December 29, 2025)
Proposal No.: 81.P013136.26 – Christopher B. Burke Engineering, Ltd.
Supplement Deerfield Road (Milwaukee Avenue to Saunders/Riverwoods Road) – Lake County, Illinois
ATTACHMENTS

ATTACHMENT A

ORIGINAL AGREEMENT EXECUTED NOVEMBER 15, 2024

PHASE II
AGREEMENT FOR SUBCONSULTANT SERVICES

Route Deerfield Road (CH 11, FAU 1257)
Section 15-00038-07-WR
County Lake

Project 2NE0(590)
Job No. P-91-159-16
PTB # N/A

This is an AGREEMENT between Christopher B. Burke Engineering, Ltd., hereinafter referred to as the CONSULTANT, and Huff & Huff, Inc., hereinafter referred to as the SUBCONSULTANT.

The CONSULTANT proposes to engage the SUBCONSULTANT to furnish certain professional services in connection with Deerfield Road, which work is hereinafter referred to as the PROJECT.

The CONSULTANT has authority under their agreement with the Lake County Department of Transportation, hereinafter referred to as the DEPARTMENT, to engage such services, and the SUBCONSULTANT certifies that they are in compliance with Illinois Statutes relating to professional registration of individuals and to corporate practice, if a corporation, for rendering such services.

The SUBCONSULTANT, in signing this AGREEMENT, certifies that they have no financial or other interests in the outcome of this PROJECT.

The CONSULTANT and the SUBCONSULTANT hereby certify that there was compliance with the provisions of the Architectural, Engineering and Land Surveying Qualifications Based Selection Act (Chapter 30 ILCS 535) in the procurement of the services covered by this AGREEMENT.

In consideration of these premises, the parties hereto agree as set forth in the following pages numbered 2 - 22 inclusive.

This AGREEMENT executed this 15th day of November, 2024.

This AGREEMENT becomes null if the agreement between the CONSULTANT and the DEPARTMENT is not authorized.

Christopher B. Burke Engineering, Ltd.

Huff & Huff, Inc.

By:  _____

By:  _____

Title President

Title Associate Principal / Vice President

Please mark the appropriate Legal Status blank below.

The SUBCONSULTANT certifies that:

1. The number shown on this form is the SUBCONSULTANT's correct taxpayer identification number (or the SUBCONSULTANT is waiting for a number to be issued to them), and
2. The SUBCONSULTANT is not subject to backup withholding because: (a) the SUBCONSULTANT is exempt from backup withholding, or (b) the SUBCONSULTANT has not been notified by the Internal Revenue Service (IRS) that the SUBCONSULTANT is subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified the SUBCONSULTANT that the SUBCONSULTANT is no longer subject to back-up withholding, and
3. The SUBCONSULTANT's person with signatory authority for this AGREEMENT is a U.S. person (including a U.S. resident alien), and
4. The SUBCONSULTANT is authorized as a legal entity, in accordance with 30 ILCS 500/20-43, to do business in the State of Illinois.

Under penalties of perjury, I certify that 36-3044842

is my federal Taxpayer Identification Number or my Social Security Number, as applicable, and that I am doing business as one of the following (please check one):

- Corporation
- Individual/Sole Proprietor or Single Member LLC
- Partnership
- Limited Liability Company
- S= Corporation
- C= Corporation
- P= Partnership

SECTION 1 – GENERAL PROVISIONS

Incorporation by Reference. The Illinois Department of Transportation’s Standard Agreement Provisions for Consultant Services, dated July 1, 2018 hereinafter referred to as the STANDARD PROVISIONS are incorporated and made part of this AGREEMENT except as revised and/or deleted or amended hereinafter. The STANDARD PROVISIONS section references are shown in parenthesis.

Whenever the word DEPARTMENT is used in the STANDARD PROVISIONS it shall be construed to mean CONSULTANT and whenever the word CONSULTANT is used, it shall be construed to mean SUBCONSULTANT, except the word DEPARTMENT shall also include the Illinois Department of Transportation in Section 2.14, 2.24, 2.68, 2.69 and 2.71, and 2.72 of said STANDARD PROVISIONS.

Certifications Required by State and/or Federal Law. The SUBCONSULTANT certifies that they have read the certifications and assurances described in the STANDARD PROVISIONS and certifies that their signature on the AGREEMENT signature sheet constitutes an endorsement and execution of each certification and assurance as though each was individually signed.

Changes. If any certification made by the SUBCONSULTANT or term or condition in this AGREEMENT changes, the SUBCONSULTANT must notify the CONSULTANT who will notify the DEPARTMENT in writing within seven days.

Method of Payment. The Method of Payment shall be as stated in Section 2.90 of the Standard Agreement Provisions for Consultant Services, except the Fixed Fee portion of the Cost Plus Fixed Fee method will be determined as specified below.

Compensation = DL+DC+OH+FF. DL is the total Direct Labor, DC is the total Direct Cost, OH is the total Overhead and FF is the Fixed Fee.

SECTION 2 - SCOPE OF WORK

The SUBCONSULTANT agrees to perform, at the direction of the CONSULTANT, the services described in the attached proposal.

SECTION 3 - PROJECT SCHEDULE

For purposes of administering Section 2.21d of the STANDARD PROVISIONS, the fee was negotiated anticipating that the work would be completed by 4/30/2026.

The work shall be completed and delivered to the DEPARTMENT through the CONSULTANT as set forth below or in the attached Project Schedule.

SECTION 4 – COMPENSATION

Compensation. The SUBCONSULTANT shall receive payment for completing the work required of them in accordance with Section 2.9 of the STANDARD PROVISIONS subject to the Total Agreement Amount not to exceed **\$67,256** as set forth in the proposal attached.



March 17, 2020 (Revised October 14, 2024)

via email: mhuffman@cbbel.com

Mr. Matt Huffman, PE
Head, Phase I Engineering Department – Transportation Group
Christopher B. Burke Engineering, Ltd.
9675 W. Higgins Road, Suite 600
Rosemont, IL 60018

**Re: Phase II Environmental Services (PSI and CCDD)– Deerfield Road
Lake County, Illinois
Proposal No. 81.P013111.25 (Revision to original Proposal No. 81.PT00017.21)**

Dear Mr. Huffman:

Huff & Huff, Inc., a subsidiary of GZA, Inc. (GZA) is pleased to submit this revised proposal to Christopher B. Burke Engineering, Ltd. (Client) to provide environmental services for the local roads portion of the proposed improvements along Deerfield Road from Milwaukee Avenue to Saunders Road/Riverwoods Road in Lake County, Illinois. The revisions in this proposal were necessary given the age of the original proposal and changes over time to IDOT approved overhead, staff rates/classifications, outside direct costs, and also inclusion of a new task.

Client has requested completion of a Preliminary site Investigation (PSI), including documentation for off-site final disposition of soils at a clean construction and demolition debris (CCDD) or uncontaminated soil fill operation (USFO) facility and newly added task to complete a Preliminary Environmental Site Assessment (PESA) Validation. This proposal presents our project approach, the scope of services, cost, and schedule for completing the project.

1. PROJECT BACKGROUND

Client has provided Consultant with a copy of the following documents that shall serve as the basis of our understanding for this proposal:

- Preliminary Environmental Site Assessment (PESA) Report, prepared by Client (dated July 24, 2017);
- Excerpts from the Project Plans (Roadway Plan and Profile, 17"x11" format, 28 sheets);
- Excerpts from the Project Plans (Cross-Sections, 22"x34" format, 88 sheets);
- Deerfield Road Preferred Alternative Figure (90"x36" format color aerial background, 1-sheet); and
- Preliminary Environmental Site Assessment (PESA) Report, prepared by Client (dated January, 2022).

In addition, GZA has obtained a copy of IDOTs PESA #3488 completed by ISGS, dated February 27, 2018 as reference.

We understand the project includes reconstruction of Deerfield Road from Milwaukee Avenue to Saunders/Riverwoods Road (Section N. 15-00038-07-WR) following the Federal Process and that IDOT is performing the PSI/CCDD work associated with the Milwaukee Avenue portion of

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the project corridor. In addition, there are 3 potential areas of proposed compensatory storage of stormwater which we understand may also require excavation during construction, these areas have been included in the PSI/CCDD scope as well.

It should be noted that according to the IDOT Bureau of Local Roads and Streets (BLRS) Manual, a PESA requires validation after 180 days from issuance and a new PESA is required if the original PESA is greater than 3-years old. However, since we have not seen this equally applied to all projects, we will only propose activities the Client deems necessary for their project.

2. SCOPE OF SERVICES

Task 1: Preliminary Environmental Site Assessment (PESA) Validation

Consistent with clients request, the below scope is for completing a PESA Validation. A PESA was completed for the project dated January 2022, in which six (6) sites were identified as potentially impacted properties (PIPs) and/or as having recognized environmental conditions (RECs), including:

Site Name	PESA Site ID	Address	Reason(s)
Deerfield Golf Club	3.2.89	1201 Saunders Road	UST, LUST, and previous hazardous materials incidents
Landscaped Parkway	3.2.96	N/A	Evidence of underground pipeline
Mobil Gas Station	3.2.98	2201 Deerfield Road	UST, LUST, and previous hazardous materials incidents
Ray's Auto	3.2.99	2201 W. Deerfield Road	Presence of an auto repair shop
Bright Horizons	3.2.101	Parkway North	UST
Landscaped Parkway and Private Residences (historic Thorngate Country Club)	3.2.102 thru 3.2.125	Multiple (alt. 600 Saunders and 600 Sanders)	UST, LUST, and previous hazardous materials incidents

The purpose of the PESA Validation is to perform a re-evaluation of the project area to check for the possibility of new reported releases or incidents to assess if land uses have changed since the PESA was originally drafted. This process will follow general protocols contained within:

- A Manual for Conducting Preliminary Environmental Site Assessments for Illinois Department of Transportation (IDOT) Highway Projects (Erdmann et al., 2012);
- ASTM International (ASTM) standard 1527-21;



- IDOT Bureau of Design and Environment (BDE) Procedure Memorandum Number 10-07, Special Waste Procedures. This memo was incorporated into Chapter 27-3 of the IDOT BDE Manual in June 2012;
- IDOT Bureau of Local Roads and Streets (BLRS) Manual, Chapter 20-12, Special Waste, July 2013;
- Public Act 96-1416; and
- Clean Construction or Demolition Debris (CCDD) Fill Operations and Uncontaminated Soil Fill Operations: Amendments to 35 Illinois Administrative Code 1100, effective August 27, 2012.

A. Historical Research

The Project Corridor historical land use/ownership record will be developed from standard historical sources. Historic aerial photographs will be reviewed to identify land use over time and potential areas of environmental concern, such as areas of surface disturbance and outside storage.

B. Site Evaluation

Current environmental features and conditions of sites adjacent to the Project Corridor will be evaluated. A site walkover of potential right-of-way (ROW)/project areas designated for excavation and/or acquisition will be conducted for first-hand evaluation of current environmental conditions within the Project Corridor. The features and conditions listed above will be investigated and, as appropriate, documented in photographs. The land-use and housekeeping practices of adjacent properties will also be evaluated in accordance with ASTM protocols.

C. Records Review

A records review will be conducted to determine potential environmental concerns within the Project Corridor. This will include a search of standard state and federal environmental record databases in accordance with the specifications of ASTM standards. This search is based on the limits of the Project Corridor. Specifically, GZA will search databases to identify any potential sources requiring further investigation. As appropriate, Freedom of Information Act (FOIA) requests will be filed with the Illinois Environmental Protection Agency (IEPA) to obtain additional data pertaining to identified sites.

D. Report Preparation

A PESA Validation Memo Report summarizing the results of the evaluation will be prepared which will reference the previous PESA and compare the prior findings to current findings. Figures identifying the revised project area and a summary of the identified sites from the original PESA, and the Validation will be included in the letter report.

Task 2 – Preliminary Site Investigation (PSI) / CCDD

GZA will conduct a PSI and complete CCDD documentation via LPC-663 Form for the local roads portion of the project corridor. The scope is based on the findings of the PESA (and PESA validation identified in task 1) in conjunction with CCDD assessment of the entire corridor. Therefore, sampling is proposed in all areas of work, not only limited to areas where Recognized Environmental Conditions (RECs) and/or Potentially Impacted Properties (PIPs) were identified in the PESA. This proposal covers the following areas:

- Deerfield Road (east of Milwaukee Rd IDOT ROW to just east of intersection with Saunders Rd/Riverwoods Rd);
- Deerfield Road/Parkway (west of Milwaukee Avenue, resurfacing, median relocation, and widening to the south side to add a turn lane);
- Portwine Road (approximately 450' south and 500' north of Deerfield Rd);
- Saunders Road (approximately 450' south of Deerfield Road);



- Three potential compensatory stormwater storage areas (Option 1 and 2 at southeast and northeast quadrants of intersection of Deerfield Road and Milwaukee Avenue and the area along north side of Deerfield Road, just west of Jasmine Lane.

The PESA completed by Client identified six (6) sites as PIPs/RECs as documented above in Task 1. In addition, it should be noted that the IDOT/ISGS PESA #3488 identified RECs that are likely in conflict with the local roads portion of the project corridor, but were not cited in the local roads PESA, including:

- Site 3488-9 – Colonial Court at 1111-1147 N. Milwaukee Avenue (potential chemical use, transformers, ACM, and lead paint);
- Site 3488-11 – Riverwoods Medical Center at 1105 N. Milwaukee Avenue (former USTs, potential USTs, former monitoring wells, potential former chemical use, impacted soil and groundwater, potential ACM, and lead paint);
- Site 3488-13 – Vacant land at 1055 N. Milwaukee Avenue (potential USTs, former monitoring well, potential former chemical use, impacted groundwater);
- Site 3488-14 – Cube Smart Self Storage at 3725 Deerfield Road (former monitoring wells, impacted groundwater, transformer, likely natural gas pipeline, potential ACM, and lead paint)

The scope of services for completing the PSI/CCDD documentation includes the following sub-tasks.

A. Soil Borings and Soil Sampling

This scope assumes no permits are necessary for completing work within the local jurisdiction right-of-way (ROW) and does not include sampling with IDOT ROW. It is anticipated that up to three days of field effort will be required with up to forty (40) soil borings completed, assumed with the aid of a drilling (GeoProbe) subcontractor and traffic control services along the project corridor(s) for up to three (3) days of sampling. In addition, for coverage of the potential compensatory stormwater storage areas, an additional ten (10) hand auger samples are proposed and also four (4) hand auger sampling locations at the southwest quadrant of Deerfield Parkway/Deerfield Road and Milwaukee Avenue in the area of the proposed widening for turn lane addition.

The borings will be advanced and soil samples collected for laboratory analysis to address sites identified as RECs/PIPs and for full project coverage of non-REC/PIP for soil disposal considerations, specifically at locations identified for proposed excavation. The depths of the soil borings will be dependent upon design details to account for depths of proposed disturbance. Consultant will finalize depths of planned borings prior to mobilization consistent with project plans as provided by Client, in conjunction with PESA findings. Currently it is estimated that borings will be advanced to approximately 2 to 8 feet below ground surface.

B. Analytical

A total of up to fifty-four (54) soil boring/hand auger locations and one (1) sediment sampling location are proposed and we anticipate a single sample from each location for laboratory analysis, for a total of up to fifty-five (55) samples total. Up to forty (40) of the soil samples will be analyzed for the contaminants of concern (COCs) per IDOT protocol, which include:

- 22 Total metals (Target Analyte List (TAL) minus Aluminum)
- SPLP/TCLP Metals (8 RCRA and Be, Co, Cu, Fe, Mn, Ni, and Zn)
- Volatile organic compounds (VOCs)
- Semi-volatile organic compounds (SVOCs)
- Soil pH



The remaining borings will have one sample prepared for soil pH only as a cost-savings measure.

C. PSI Report Preparation

A report summarizing the results of the soil and sediment sample collection activities and analytical results will be prepared. This document will present information pertinent for the bidding documents regarding conditions of soils tested, handling and final disposition considerations.

D. CCDD (LPC-Form) Documentation and CCDD Facility Coordination

The soil sample results will be compared to the Maximum Allowable Concentrations (MACs) associated with CCDD facility acceptance, including the soil pH range of 6.25 to 9.0. If results achieve the MAC values, GZA will prepare the LPC-663 document that will be signed/stamped by the GZA. Any locations that do not achieve the MACs (including soil pH range) will be identified as exclusion zones, not acceptable for CCDD facility disposal.

Consistent with LCDOT approach, GZA will submit the completed LPC-663 documentation to CCDD facilities in relatively close proximity to the project area for their review of the sampling information and to provide letters of pre-authorization for acceptance of project spoils, citing any exclusions, if any. We understand LCDOT includes the LPC-663 documentation and pre-authorization in the bidding documents. Please note that the pre-authorization letters do not guarantee that spoils will not be rejected because there are acceptance procedures for each incoming load which may trigger a rejection based on appearance, odors, or loads containing materials not eligible for CCDD facility disposal.

Task 3 – Project Administration

Time under this task includes project administration and management activities that include cost and schedule tracking, coordination with Client on authorized activities, and other in-house management activities, and project closeout.

Task 4 – QA/QC

Time under this task includes QA/QC time for the PSI reports and CCDD documentation as described above.

3. LEVEL OF EFFORT AND SCHEDULE

Costs are proposed to be on a time and materials basis and are included on the attached spreadsheets using the IDOT BLR 05514 CPFF format. PESA Validation will require four (4) weeks to complete. The PSI/CCDD work will commence within 5 business days of project approval, with a target completion date of twelve (12) weeks from the date of approval. CCDD facility pre-authorization may require an additional two weeks. Please notify GZA if an expedited schedule is necessary to meet project deadlines.

4. TERMS AND CONDITIONS

CONDITIONS OF ENGAGEMENT

The conditions of engagement are described in the attached Terms and Conditions for Professional Services. GZA's report will be prepared on behalf of and for the exclusive use of Client. Client acknowledges and agrees that the report and the findings in the report shall not, in whole or in part, be disseminated or conveyed to any other party, or used or relied upon by any other party, in whole or in part, except for the specific purpose and to the specific parties alluded to above, without



the written consent of GZA. GZA would be pleased to discuss the conditions associated with any additional dissemination, use, or reliance by other parties.

ACCEPTANCE

This agreement may be accepted by signing in the appropriate space below and returning one complete copy to GZA. Issuance of a Purchase Order implicitly acknowledges acceptance of this proposal. This proposal is valid for a period of 30 days from the date of issue. We appreciate the opportunity to submit this proposal. Please feel free to contact the undersigned at (630) 684-9100 with any questions.

Very truly yours,
Huff & Huff, Inc.

Jeremy J. Reynolds, P.G.
Associate Principal

Attachments: Client Provided Project Information
Terms and Conditions
IDOT BLR 05514 Cost Worksheets

This Proposal for Services, Schedule of Fees and Terms and Conditions for Professional Services are hereby accepted and executed by a duly authorized signatory, who by execution hereof, warrants that he/she has full authority to act for, in the name, and on behalf of _____.

By: _____

Title: _____

Printed/Typed Name: _____

Date: _____

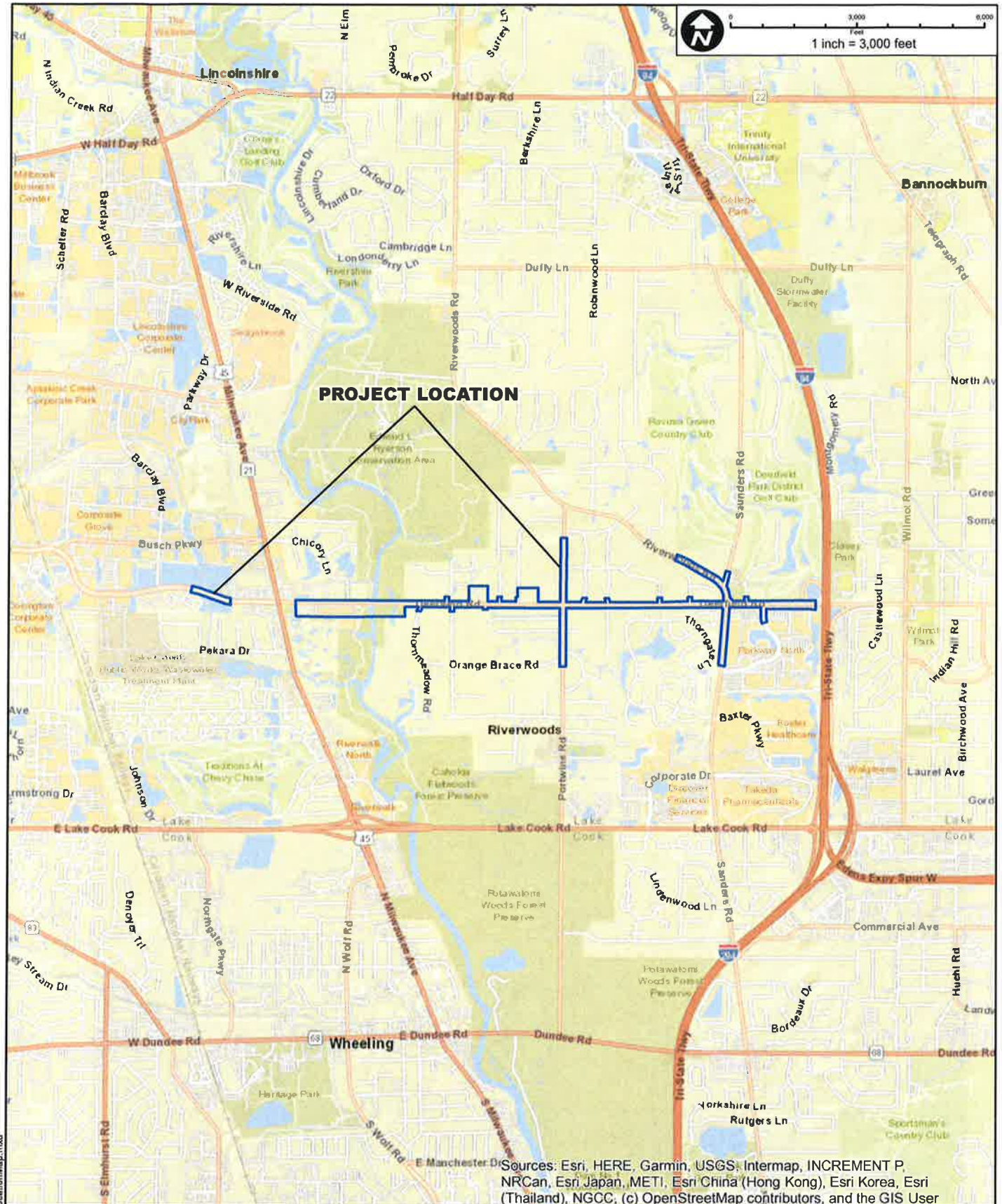
The Proposal for Services, Schedule of Fees and Terms and Conditions for Professional Services may be executed in two or more counterparts, each of which together shall be deemed an original, but all of which together shall constitute one and the same instrument. In the event that any signature is delivered by facsimile transmission or by an e-mail delivery of a document in “.pdf” format, each such signature shall create a valid and binding obligation of the party executing the document, or on whose behalf each document is executed, with the same force and effect as if each such facsimile or “.pdf” signature were an original thereof.



March 17, 2020 (Revised October 14, 2024)
Proposal No.: 81.P013111.25 – Christopher B. Burke Engineering, Ltd.
Deerfield Road (Milwaukee Avenue to Saunders/Riverwoods Road) – Lake County, Illinois
ATTACHMENTS

ATTACHMENT A

CLIENT PROVIDED PROJECT INFORMATION



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User

CLIENT:



TITLE:

LOCATION MAP

PROJ. NO. 15-0331

DATE: 1/17/2022

SHEET 1 OF 1



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

DSGN.		SCALE:	1" = 3,000'
DWN.	KEK	USER:	kkopija
CHKD.	TGM	PLOT DATE:	1/17/2022
FILE NAME:	LocationMap		

FIG 1.1

N:\LCO\TY150331\GIS\Exhibit\LocationMap.mxd



March 17, 2020 (Revised October 14, 2024)
Proposal No.: 81.P013111.25 – Christopher B. Burke Engineering, Ltd.
Deerfield Road (Milwaukee Avenue to Saunders/Riverwoods Road) – Lake County, Illinois
ATTACHMENTS

ATTACHMENT C

IDOT BLR 05514 CPFF WORKSHEETS



COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

FIXED RAISE

Local Public Agency

Lake County DOT

County

Lake

Section Number

FAU 1257

Prime Consultant (Firm) Name

Christopher B. Burke Engineering, Ltd.

Prepared By

JJR

Date

10/14/2024

Consultant / Subconsultant Name

Huff & Huff, Inc., a subsidiary of GZA, Inc.

Job Number

Note: This is name of the consultant the CECS is being completed for. This name appears at the top of each tab.

Remarks

Revisions to March 17, 2020 Cost Estimate (to current IDOT rates/classifications, and direct costs)

PAYROLL ESCALATION TABLE

CONTRACT TERM	18	MONTHS
START DATE	11/1/2024	
RAISE DATE	3/1/2025	
END DATE	4/30/2026	

OVERHEAD RATE	190.00%
COMPLEXITY FACTOR	0
% OF RAISE	2.00%

ESCALATION PER YEAR

Year	First Date	Last Date	Months	% of Contract
0	11/1/2024	3/1/2025	4	22.22%
1	3/2/2025	3/1/2026	12	68.00%
2	3/2/2026	5/1/2026	2	11.56%

The total escalation = 1.78%

Local Public Agency	County	Section Number
Lake County DOT	Lake	FAU 1257
Consultant / Subconsultant Name		Job Number
Huff & Huff, Inc., a subsidiary of GZA, Inc.		

PAYROLL RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET FIXED RAISE

MAXIMUM PAYROLL RATE	86.00
ESCALATION FACTOR	1.78%

CLASSIFICATION	IDOT PAYROLL RATES ON FILE	CALCULATED RATE
Principal	\$85.96	\$86.00
Associate Principal III	\$83.37	\$84.86
Associate Principal II	\$76.01	\$77.36
Associate Principal I	\$71.92	\$73.20
Senior Project Manager III	\$73.19	\$74.49
Senior Project Manager I	\$56.56	\$57.57
Senior Landscape Architect	\$61.47	\$62.57
Senior Planning PM	\$59.03	\$60.08
Senior Technical Specialist II	\$62.64	\$63.76
Senior Technical Specialist I	\$55.79	\$56.78
Senior Scientist PM II	\$61.17	\$62.26
Senior Technical Scientist	\$57.15	\$58.17
Scientist PM II	\$53.34	\$54.29
Scientist PM I	\$46.97	\$47.81
Assistant PM Scientist	\$39.32	\$40.02
Environmental Engineer PM II	\$49.99	\$50.88
Environmental Engineer PM I	\$47.00	\$47.84
Assistant PM Engineer I	\$41.15	\$41.88
Engineer II	\$31.75	\$32.32
Engineer I	\$35.69	\$36.33
Scientist SI	\$34.50	\$35.11
Scientist SII	\$30.16	\$30.70
Technical Graphics Technician	\$27.73	\$28.22
Administrative Executive	\$52.42	\$53.35
Senior Administrative Assistant	\$36.31	\$36.96
Billing Administrator	\$25.00	\$25.45

Local Public Agency

Lake County DOT

County

Lake

Section Number

FAU 1257

Consultant / Subconsultant Name

Huff & Huff, Inc., a subsidiary of GZA, Inc.

Job Number

DIRECT COSTS WORKSHEET

List ALL direct costs required for this project. Those not listed on the form will not be eligible for reimbursement by the LPA on this project.
EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

ITEM	ALLOWABLE	QUANTITY	CONTRACT RATE	TOTAL
Lodging (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost (Up to state rate maximum)			\$0.00
Lodging Taxes and Fees (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost			\$0.00
Air Fare	Coach rate, actual cost, requires minimum two weeks' notice, with prior IDOT approval			\$0.00
Vehicle Mileage (per GOVERNOR'S TRAVEL CONTROL BOARD)	Up to state rate maximum	490	\$0.67	\$328.30
Vehicle Owned or Leased	\$32.50/half day (4 hours or less) or \$65/full day			\$0.00
Vehicle Rental	Actual Cost (Up to \$55/day)			\$0.00
Tolls	Actual Cost	14	\$3.40	\$47.60
Parking	Actual Cost			\$0.00
Overtime	Premium portion (Submit supporting documentation)			\$0.00
Shift Differential	Actual Cost (Based on firm's policy)			\$0.00
Overnight Delivery/Postage/Courier Service	Actual Cost (Submit supporting documentation)			\$0.00
Copies of Deliverables/Mylars (In-house)	Actual Cost (Submit supporting documentation)			\$0.00
Copies of Deliverables/Mylars (Outside)	Actual Cost (Submit supporting documentation)			\$0.00
Project Specific Insurance	Actual Cost			\$0.00
Monuments (Permanent)	Actual Cost			\$0.00
Photo Processing	Actual Cost			\$0.00
2-Way Radio (Survey or Phase III Only)	Actual Cost			\$0.00
Telephone Usage (Traffic System Monitoring Only)	Actual Cost			\$0.00
CADD	Actual Cost (Max \$15/hour)			\$0.00
Web Site	Actual Cost (Submit supporting documentation)			\$0.00
Advertisements	Actual Cost (Submit supporting documentation)			\$0.00
Public Meeting Facility Rental	Actual Cost (Submit supporting documentation)			\$0.00
Public Meeting Exhibits/Renderings & Equipment	Actual Cost (Submit supporting documentation)			\$0.00
Recording Fees	Actual Cost			\$0.00
Transcriptions (specific to project)	Actual Cost			\$0.00
Courthouse Fees	Actual Cost			\$0.00
Storm Sewer Cleaning and Televising	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Traffic Control and Protection	Actual Cost (Requires 2-3 quotes with IDOT approval)	3	\$3,250.00	\$9,750.00
Aerial Photography and Mapping	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Utility Exploratory Trenching	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Testing of Soil Samples	Actual Cost	15	\$20.00	\$300.00
Lab Services	Actual Cost (Provide breakdown of each cost)	40	\$740.00	\$29,600.00
Equipment and/or Specialized Equipment Rental	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Field Kit - Expendible Materials	Daily Rate	3	\$35.00	\$105.00
Photoionization detector (PID)	Daily Rate	3	\$100.00	\$300.00
Driller	Daily Rate	3	\$2,950.00	\$8,850.00
ERIS E4 Database Package	Actual Cost	1	\$285.00	\$285.00
TOTAL DIRECT COSTS:				\$49,565.90

Local Public Agency

Lake County DOT

County

Lake

Section Number

FAU 1257

Consultant / Subconsultant Name

Huff & Huff, Inc., a subsidiary of GZA, Inc.

Job Number**COST ESTIMATE WORKSHEET**

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

OVERHEAD RATE COMPLEXITY FACTOR

TASK	DIRECT COSTS (not included in row totals)	STAFF HOURS	PAYROLL	OVERHEAD & FRINGE BENEFITS	FIXED FEE	SERVICES BY OTHERS	TOTAL	% OF GRAND TOTAL
PESA Validation	339	34	1,142	2,171	377	0	3,690	5.49%
PSI/CCDD	49,227	99	3,384	6,430	1,117	0	10,931	16.25%
Project Administration	0	8	391	742	129	0	1,262	1.88%
QAQC	0	7.5	559	1,063	185	0	1,807	2.69%
Subconsultant DL							\$0.00	
Direct Costs Total ==>	\$49,565.90						\$49,565.90	73.70%
TOTALS		148.5	5,476	10,406	1,808	-	67,256	100.00%

15,882

Local Public Agency

Lake County DOT

Consultant / Subconsultant Name

Huff & Huff, Inc., a subsidiary of GZA, Inc.

County

Lake

Section Number

FAU 1257

Job Number

AVERAGE HOURLY PROJECT RATES
EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

SHEET 1 OF 1

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJ. RATES			PESA Validation			PSI/CCDD			Project Administration			QAQC			Hours	% Part.	Wgtd Avg
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg			
Principal	86.00	0.0																	
Associate Principal III	84.86	0.0																	
Associate Principal II	77.36	3.5	2.36%	1.82															
Associate Principal I	73.20	6.0	4.04%	2.96															
Senior Project Manager III	74.49	0.0																	
Senior Project Manager II	61.52	0.5	0.34%	0.21				0.5	0.51%	0.31									
Senior Project Manager I	57.57	0.0																	
Senior Landscape Architect	62.57	0.0																	
Senior Planning PM	60.08	0.0																	
Senior Technical Specialist II	63.76	0.0																	
Senior Technical Specialist I	56.78	0.0																	
Senior Scientist PM II	62.26	0.0																	
Senior Technical Scientist	58.17	0.0																	
Scientist PM II	54.29	0.0																	
Scientist PM I	47.81	0.0																	
Assistant PM Scientist	40.02	22.0	14.81%	5.93	4	11.76%	4.71	12	12.12%	4.85	6	75.00%	30.02						
Environmental Engineer PM II	50.88	0.0																	
Environmental Engineer PM I	47.84	0.0																	
Assistant PM Engineer I	41.88	0.0																	
Engineer II	32.32	0.0																	
Engineer I	36.33	52.0	35.02%	12.72	12	35.29%	12.82	40	40.40%	14.68									
Scientist SI	35.11	0.0																	
Scientist SII	30.70	52.0	35.02%	10.75	12	35.29%	10.83	40	40.40%	12.40									
Technical Graphics Technician	28.22	10.5	7.07%	2.00	5	14.71%	4.15	5.5	5.56%	1.57									
Administrative Executive	53.35	0.0																	
Senior Administrative Assistant	36.96	2.0	1.35%	0.50	1	2.94%	1.09	1	1.01%	0.37									
Billing Administrator	25.45	0.0																	
TOTALS		148.5	100%	\$36.88	34.0	100.00%	\$33.60	99.0	100%	\$34.18	8.0	100%	\$48.84	7.5	100%	\$74.59	0.0	0%	\$0.00

HUFF & HUFF, INC.
SUMMARY OF INHOUSE DIRECT COSTS

Project: Deerfield Rd Local PSI

						<u>DIRECT</u>
Task 1: PESA Validation						
Trips - Company	70 miles	x	1 x	\$ 0.67	=	\$ 46.90
Tolls	1 ea	x	2 x	\$ 3.40	=	\$ 6.80
<hr/>						
Task Total						\$ 53.70
 Task 2: PSI/CCDD						
Trips - Company	70 miles	x	6 x	\$ 0.67	=	\$ 281.40
Tolls	1 ea	x	12 x	\$ 3.40	=	\$ 40.80
Field Kit	1 day	x	3 x	\$ 35.00	=	\$ 105.00
PID	1 day	x	3 x	\$ 100.00	=	\$ 300.00
<hr/>						
Task Total						\$ 727.20
 Task 3: Project Administration						
<hr/>						
						0 x \$ - = \$ -
Task Total						\$ -
 Task 4: QAQC						
<hr/>						
						0 x \$ - = \$ -
Task Total						\$ -
<hr/>						
GRAND TOTAL						\$ 780.90

HUFF & HUFF, INC.
SUMMARY OF OUTSIDE DIRECT COSTS
 Project: Deerfield Rd Local PSI

OUTSIDE

Task 1: PESA Validation

ERIS E4 Database	1 ea	x	1 x	\$ 285.00	=	\$	285.00
<hr style="width: 50%; margin-left: 0;"/>							Task Total
							\$ 285.00

Task 2: PSI/CCDD

Traffic Control (day)	1 day	x	3 x	\$ 2,950.00	=	\$	8,850.00
Driller (day)	1 day	x	3 x	\$ 3,250.00	=	\$	9,750.00
pH (non-IDOT)	1 ea	x	15 x	\$ 20.00	=	\$	300.00
IDOT D1 Analytical Protocol							
VOCs w/5035 kit	1 ea	x	40 x	\$ 125.00	=	\$	5,000.00
SVOCs	1 ea	x	40 x	\$ 210.00	=	\$	8,400.00
Total TCL Metals	1 ea	x	40 x	\$ 155.00	=	\$	6,200.00
TCLP Metals	1 ea	x	40 x	\$ 125.00	=	\$	5,000.00
SPLP Metals	1 ea	x	40 x	\$ 125.00	=	\$	5,000.00
pH Soil	1 ea	x	40 x	\$ -	=	\$	-
<u>\$/IDOT Sample</u>	1 ea	x	1 x	\$ 740.00			
<hr style="width: 50%; margin-left: 0;"/>							Task Total
							\$ 48,500.00

Task 3: Project Administration

			0 x	\$ -	=	\$	-
<hr style="width: 50%; margin-left: 0;"/>							Task Total
							\$ -

Task 4: QAQC

			0 x	\$ -	=	\$	-
<hr style="width: 50%; margin-left: 0;"/>							Task Total
							\$ -

GRAND TOTAL \$ 48,785.00

HUFF & HUFF, INC.
SUMMARY OF SERVICES BY OTHERS
 Project: Deerfield Rd Local PSI

OUTSIDE

Task 1: PESA Validation

$$0 \times \frac{\$ \quad -}{\text{Task Total}} = \frac{\$ \quad -}{\$ \quad -}$$

Task 2: PSI/CCDD

$$0 \times \frac{\quad}{\text{Task Total}} = \frac{\$ \quad -}{\$ \quad -}$$

Task 3: Project Administration

$$0 \times \frac{\$ \quad -}{\text{Task Total}} = \frac{\$ \quad -}{\$ \quad -}$$

Task 4: QAQC

SUB1

$$\begin{aligned} 0 \times \frac{\$ \quad -}{\quad} &= \frac{\$ \quad -}{\quad} \\ 0 \times \frac{\$ \quad -}{\quad} &= \frac{\$ \quad -}{\quad} \\ \text{Task Total} & \quad \quad \quad \end{aligned}$$

GRAND TOTAL \$ -



March 17, 2020 (Revised December 29, 2025)
Proposal No.: 81.P013136.26 – Christopher B. Burke Engineering, Ltd.
Supplement Deerfield Road (Milwaukee Avenue to Saunders/Riverwoods Road) – Lake County, Illinois
ATTACHMENTS

ATTACHMENT B

IDOT BLR 05514 CPFF WORKSHEETS



EXHIBIT D
 COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET
 FIXED RAISE

Local Public Agency

Lake County DOT

County

Lake

Section Number

15-00038-07-WR

Prime Consultant (Firm) Name

Christopher B. Burke Engineering, Ltd.

Prepared By

KL/JJR

Date

12/23/2025

Consultant / Subconsultant Name

GZA Illinois, Inc.

Job Number

C-91-159-16

Note: This is name of the consultant the CECS is being completed for. This name appears at the top of each tab.

Remarks

PSI Supplement [Project 2NE0(590) Lake County]

PAYROLL ESCALATION TABLE

CONTRACT TERM	12	MONTHS
START DATE	11/13/2025	
RAISE DATE	3/1/2026	
END DATE	11/12/2026	

OVERHEAD RATE	184.39%
COMPLEXITY FACTOR	0
% OF RAISE	3.00%

ESCALATION PER YEAR

Year	First Date	Last Date	Months	% of Contract
0	11/13/2025	3/1/2026	4	33.33%
1	3/2/2026	11/1/2026	8	68.67%

The total escalation = 2.00%

Local Public Agency**County****Section Number**

Lake County DOT

Lake

15-00038-07-WR

Consultant / Subconsultant Name**Job Number**

GZA Illinois, Inc.

C-91-159-16

PAYROLL RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET FIXED RAISE

MAXIMUM PAYROLL RATE	90.00
ESCALATION FACTOR	2.00%

JOB SPECIFIC - Classifications and Average Payrates need to match current payrolls submitted to the Department.

CLASSIFICATION	IDOT AVG PAYROLL RATES ON FILE	CALCULATED RATE
Principal	\$90.00	\$90.00
Associate Principal II	\$78.91	\$80.49
Associate Principal I	\$72.41	\$73.86
Senior Consultant II	\$70.00	\$71.40
Senior Consultant I	\$64.97	\$66.27
Senior Project Manager III	\$75.84	\$77.36
Senior Project Manager II	\$63.84	\$65.12
Senior Project Manager I	\$59.95	\$61.15
Senior Landscape Architect	\$63.40	\$64.67
Senior Planning PM	\$61.44	\$62.67
Senior Technical Specialist II	\$63.69	\$64.96
Scientist PM II	\$54.41	\$55.50
Scientist PM I	\$47.56	\$48.51
Assistant PM Scientist	\$39.04	\$39.82
Environmental Engineer PM II	\$52.00	\$53.04
Environmental Engineer PM I	\$48.90	\$49.88
Geotechnical Engineer PM I	\$52.74	\$53.79
Assistant PM Engineer I	\$41.12	\$41.94
Engineer I	\$37.27	\$38.02
Engineer II	\$32.70	\$33.35
Scientist SI	\$35.30	\$36.01
Scientist SII	\$31.77	\$32.41
Technical Graphics Technician	\$29.42	\$30.01
Architectural Historian	\$44.36	\$45.25
Administrative Executive	\$54.99	\$56.09
Administrative Manager	\$46.97	\$47.91
Senior Administrative Assistant	\$37.90	\$38.66

Local Public Agency

Lake County DOT

County

Lake

Section Number

15-00038-07-WR

Consultant / Subconsultant Name

GZA Illinois, Inc.

Job Number

C-91-159-16

DIRECT COSTS WORKSHEET

List ALL direct costs required for this project. Those not listed on the form will not be eligible for reimbursement by the LPA on this project.
EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

ITEM	ALLOWABLE	QUANTITY	CONTRACT RATE	TOTAL
Per Diem (per Federal GSA)	Up to federal maximum			\$0.00
Lodging (per Federal GSA)	Actual Cost (Up to Federal rate maximum)			\$0.00
Lodging Taxes and Fees (per Federal GSA)	Actual Cost			\$0.00
Air Fare	Coach rate, actual cost, requires minimum two weeks' notice, with prior IDOT approval			\$0.00
Vehicle Mileage (per Federal GSA)	Up to Federal rate maximum	120	\$0.70	\$84.00
Vehicle Owned or Leased (no mileage charge allowed)	\$45.00/half day (4 hours or less) or \$90/full day	1	\$90.00	\$90.00
Vehicle Rental	Actual Cost (Up to \$55/day)			\$0.00
Tolls	Actual Cost	2	\$3.40	\$6.80
Parking	Actual Cost			\$0.00
Overtime	Premium portion (Submit supporting documentation)			\$0.00
Shift Differential	Actual Cost (Based on firm's policy)			\$0.00
Overnight Delivery/Postage/Courier Service	Actual Cost (Submit supporting documentation)			\$0.00
Copies of Deliverables/Mylars (In-house)	Actual Cost (Submit supporting documentation)			\$0.00
Copies of Deliverables/Mylars (Outside)	Actual Cost (Submit supporting documentation)			\$0.00
Project Specific Insurance	Actual Cost			\$0.00
Monuments (Permanent)	Actual Cost			\$0.00
Photo Processing	Actual Cost			\$0.00
2-Way Radio (Survey or Phase III Only)	Actual Cost			\$0.00
Telephone Usage (Traffic System Monitoring Only)	Actual Cost			\$0.00
CADD	Actual Cost (Max \$15/hour)			\$0.00
Web Site	Actual Cost (Submit supporting documentation)			\$0.00
Advertisements	Actual Cost (Submit supporting documentation)			\$0.00
Public Meeting Facility Rental	Actual Cost (Submit supporting documentation)			\$0.00
Public Meeting Exhibits/Renderings & Equipment	Actual Cost (Submit supporting documentation)			\$0.00
Recording Fees	Actual Cost			\$0.00
Transcriptions (specific to project)	Actual Cost			\$0.00
Courthouse Fees	Actual Cost			\$0.00
Storm Sewer Cleaning and Televising	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Traffic Control and Protection	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Aerial Photography and Mapping	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Utility Exploratory Trenching	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Testing of Soil Samples	Actual Cost			\$0.00
Lab Services	Actual Cost (Provide breakdown of each cost)	2	\$740.00	\$1,480.00
Equipment and/or Specialized Equipment Rental	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Field Kit - expendible Materials	Daily Rate	1	\$35.00	\$35.00
Photoionization Detector (PID)	Daily Rate	1	\$100.00	\$100.00
Direct Cost Overage from PSI (Driller & Lab)	Actual Cost	1	\$3,242.90	\$3,242.90
TOTAL DIRECT COSTS:				\$5,038.70

Local Public Agency

Lake County DOT

County

Lake

Section Number

15-00038-07-WR

Consultant / Subconsultant Name

GZA Illinois, Inc.

Job Number

C-91-159-16

COST ESTIMATE WORKSHEET

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

OVERHEAD RATE **184.39%**COMPLEXITY FACTOR **0**

TASK	DIRECT COSTS (not included in row totals)	MANHOURS	PAYROLL	OVERHEAD & FRINGE BENEFITS	FIXED FEE	SERVICES BY OTHERS	TOTAL	% OF GRAND TOTAL
PSI/CCDD Supplemental	5,039	42	1,948	3,591	643	0	11,221	100.00%
Subconsultant DL					0.00			
TOTALS	5,039	42	1,948	3,591	643	-	11,221	100.00%

Local Public Agency

Lake County DOT

County

Lake

Section Number

15-00038-07-WR

Consultant / Subconsultant Name

GZA Illinois, Inc.

Job Number

C-91-159-16

**AVERAGE HOURLY PROJECT RATES
EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET**

SHEET 1 OF 1

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJ. RATES			PSI/CCDD Supplemental														
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Principal	90.00	0.0																	
Associate Principal II	80.49	3.0	7.14%	5.75	3	7.14%	5.75												
Associate Principal I	73.86	0.0																	
Senior Consultant II	71.40	3.0	7.14%	5.10	3	7.14%	5.10												
Senior Consultant I	66.27	0.0																	
Senior Project Manager III	77.36	0.0																	
Senior Project Manager II	65.12	0.0																	
Senior Project Manager I	61.15	0.0																	
Senior Landscape Architect	64.67	0.0																	
Senior Planning PM	62.67	0.0																	
Senior Technical Specialist II	64.96	0.0																	
Scientist PM II	55.50	0.0																	
Scientist PM I	48.51	12.0	28.57%	13.86	12	28.57%	13.86												
Assistant PM Scientist	39.82	12.0	28.57%	11.38	12	28.57%	11.38												
Environmental Engineer PM II	53.04	0.0																	
Environmental Engineer PM I	49.88	0.0																	
Geotechnical Engineer PM I	53.79	0.0																	
Assistant PM Engineer I	41.94	0.0																	
Engineer I	38.02	0.0																	
Engineer II	33.35	0.0																	
Scientist SI	36.01	12.0	28.57%	10.29	12	28.57%	10.29												
Scientist SII	32.41	0.0																	
Technical Graphics Technician	30.01	0.0																	
Architectural Historian	45.25	0.0																	
Administrative Executive	56.09	0.0																	
Administrative Manager	47.91	0.0																	
Senior Administrative Assistant	38.66	0.0																	
TOTALS		42.0	100%	\$46.37	42.0	100.00%	\$46.37	0.0	0%	\$0.00	0.0	0%	\$0.00	0.0	0%	\$0.00	0.0	0%	\$0.00

SUBCONSULTANT

SANTACRUZ LAND ACQUISITIONS



222 Northfield Road · Suite 201· Northfield, IL 60093
Telephone: 847.251.5800 | Facsimile: 847.868.9620
www.santacruz-associates.com

Providing Right-of-Way Acquisition services since 1992

SUPPLEMENTAL PROPOSAL FOR LAND ACQUISITION SERVICES

Deerfield Road from IL 21 (Milwaukee Avenue) to Sanders Road Christopher B. Burke Engineering, Ltd. for the benefit of Lake County Department of Transportation

Santacruz Land Acquisitions has provided a proposal (the “Proposal”) for the benefit of Lake County Department of Transportation, the Local Public Agency (“LPA”), for land acquisition services necessary to complete the Deerfield Road from IL 21 (Milwaukee Avenue) to Sanders Road (the “Project”). The Proposal was provided to Christopher B. Burke Engineering, Ltd., Engineer for the LPA, (“Consultant”). Due to delays in the start of the project resulting from land acquisition condemnation activity, the temporary construction easements for four (4) of the parcels (1030015, 1030019, 1030020 & 1030029) need to be extended as they will expire before the project is completed.

COMPENSATION

In order to complete the work for the revised parcels, Santacruz Land Acquisitions shall be entitled to the compensation as follows:

APPRAISALS:	\$3,600.00 (per parcel) or \$14,400.00 (total)
REVIEW APPRAISALS:	\$1,800.00 (per parcel) or \$7,200.00 (total)
NEGOTIATIONS:	\$3,600.00 (per parcel) or \$14,400.00 (total)

DIRECT EXPENSES RELATED TO LAND ACQUISITION

As directed, Santacruz Land Acquisitions shall invoice the LPA or Consultant for any fees and charges related to the acquisitions including, without limitation, (i) the cost of the later date title commitments, (ii) the cost of title insurance policies obtained on the parcels to be acquired, (iii) the cost of recording any necessary documents to complete the conveyance and obtain clear title, (iv) lender’s fees related to the processing of any partial releases needed to provide clear title, and (v) land trustee processing fees. Santacruz Land Acquisitions shall include an additional **\$750.00** per parcel for these charges. Santacruz Land Acquisitions shall pay any such fees and charges in excess of the **\$750.00** per parcel allowance for which Santacruz Land Acquisitions shall be entitled to additional compensation in the amount of any such payments pursuant to a separate work order issued.

Based on the above, the *additional* land acquisition negotiation services provided herein are offered a cost not to exceed of **\$39,000.00** as follows:

Land Acquisition Services	\$36,000.00
Estimated Direct Billable Expenses	\$3,000.00

If you have any questions, do not hesitate to contact Javier Steve Santacruz at 847-868-9620 or via email at javier@santacruz-associates.com.

Sincerely,



Javier Steve Santacruz

Accepted this ____ day of _____, 2026
Christopher B. Burke Engineering, Ltd.

By: _____
Its: _____

SUBCONSULTANT

HLR, INC.



May 4, 2026

Matt Huffman, PE
 Head, Phase I Engineering Department-Transportation
 Christopher B. Burke Engineering, Ltd.
 9575 W. Higgins Rd. Suite 600
 Rosemont, IL 60018

**Re: Deerfield Road – IL 21 to Saunders
 Lake County DOT**

Dear Mr. Huffman:

We prepared this letter to serve as the agreement between Christopher B. Burke Engineering, Ltd. (Client) and Hampton, Lenzini and Renwick, Inc. (Consultant) for land acquisition services requested relative to Deerfield Road, IL 21 to Saunders in Lake County.

SCOPE OF SERVICES

The Client and Consultant have agreed to a list of Basic Services the Consultant will provide to the Client, listed on the appended Scope of Services, labeled as Exhibit A.

If agreed to in writing by the Client and Consultant, Additional Services shall be provided and shall be labeled as Exhibit B, appended hereto.

Services not set forth above as Basic Services and not listed in Exhibit A of this Agreement are specifically excluded from the scope of the Consultant's services. The Consultant assumes no responsibility to perform any services not specifically listed in Exhibit A.

RESPONSIBILITIES OF CLIENT

It is the Consultant's understanding that the Client will provide the following assistance, information, and related materials relative to the above-described project:

Current and valid title insurance commitments, plats, legal descriptions, approved appraisal report for negotiations if applicable.

COMPENSATION

Billing Terms

For our services we will be paid the following lump-sum amounts per parcel:

<u>Parcel PIN</u>	<u>Owner</u>	<u>Appraisal Fee</u>	<u>Review Fee</u>	<u>Negotiation Fee</u>
1030041_15-35-103-029	MD 6 Buffalo Grove LLC	\$3,550.00	\$1,775.00	\$3,500.00
		<u>Total Fee \$8,825.00</u>		

Payment Terms

Invoices shall be submitted by the Consultant on a monthly basis, are due upon presentation and shall be considered past due if not paid within 30 calendar days of the invoice date.

Matt Huffman, PE
Christopher B. Burke Engineering, Ltd.
May 4, 2026
Page 2

If the Client fails to make payments when due or otherwise is in breach of this Agreement, the Consultant may suspend performance of services upon 30 calendar days' notice to the Client. The Consultant 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. Upon payment in full by the Client, the Consultant shall resume services under this Agreement, and the time schedule and compensation shall be equitably adjusted to compensate for the period of suspension plus any other reasonable time and expense necessary for the Consultant to resume performance.

If the Client fails to make payment to the Consultant in accordance with the payment terms herein, this shall constitute a material breach of this Agreement and shall be cause for termination of this Agreement by the Consultant.

If the Client objects to any portion of an invoice, the Client shall so notify the Consultant in writing within ten (10) calendar days of receipt of the invoice. The Client shall identify in writing the specific cause of the disagreement and the amount in dispute and shall pay that portion of the invoice not in dispute in accordance with the other payment terms of this Agreement. Any dispute over invoiced amounts due which cannot be resolved within ten (10) calendar days after presentation of invoice by direct negotiation between the parties shall be resolved within thirty (30) calendar days in accordance with the Dispute Resolution provision of this Agreement. Interest as stated above shall be paid by the Client on all disputed invoice amounts that are subsequently resolved in the Consultant's favor and shall be calculated on the unpaid balance from the due date of the invoice.

Payments to the Consultant shall not be withheld, postponed, or made contingent on the construction, completion, or success of the project or upon receipt by the Client of offsetting reimbursement or credit from other parties who may have caused Additional Services or expenses. No withholdings, deductions, or offsets shall be made from the Consultant's compensation for any reason unless the Consultant has been found to be legally liable for such amounts.

GENERAL TERMS AND CONDITIONS

Assignment

Neither party to this Agreement shall transfer, sublet, or assign any rights under or interest in this agreement without the prior written consent of the other party. Subcontracting to sub-consultants normally contemplated by the Consultant shall not be considered an assignment for purposes of this agreement.

Authorized Representatives

The Client and Consultant hereby designate their authorized representatives to act on their behalf with respect to the services and responsibilities under this agreement. The following designated representatives are authorized to receive notices, transmit information, and make decisions regarding the Project on behalf of their respective parties.

For the Client:

Name: Matt Huffman, PE
Title: Head, Phase I Engineering Department Transportation Group
Address: 9575 W. Higgins Road, Suite 600, Rosemont, IL 60018
Office Phone: 847-823-0500
Cell Phone: 847-804-7615
E-mail: mhuffman@cbbel.com

Matt Huffman, PE
Christopher B. Burke Engineering, Ltd.
May 4, 2026
Page 3

For the Consultant:

Name: ReJena Lyon, PE, PLS
Title: President/CEO
Address: 1707 N. Randall Road, Suite 100, Elgin, IL 60123
Office Phone: 847-697-6700
Cell Phone: 815-494-9206
E-mail: jlyon@hlreng.com

Changed Conditions

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

Confidential Communications

The Consultant may be required to report on or render confidential opinions about the past or current performance and/or qualifications of others engaged or being considered for engagement directly or indirectly by the Client. Those about whom reports and opinions are rendered may as a consequence initiate claims against the consultant. To help create an atmosphere in which the Consultant may freely report or express such opinions candidly in the interest of the Client, the Client agrees, to the fullest extent permitted by law, to indemnify and hold harmless the Consultant against all damages, liabilities, or costs arising from the rendering of such confidential opinions and reports by the Consultant to the Client or to the Client's agents.

Consequential Damages

Notwithstanding any other provision of this Agreement, and to the fullest extent permitted by law, neither the Client nor the Consultant, their respective officers, directors, partners, employees, contractors, or sub-consultants shall be liable to the other or shall make any claim for any incidental, indirect, or consequential damages arising out of or connected in any way to the Project or to this Agreement. This mutual waiver of consequential damages shall include, but is not limited to, loss of use, loss of profit, loss of business, loss of income, loss of reputation, or any other consequential damages that either party may have incurred from any cause of action including negligence, strict liability, breach of contract, and breach of strict or implied warranty. Both the Client and the Consultant shall require similar waivers of consequential damages protecting all the entities or persons named herein in all contracts and subcontracts with others involved in this project.

Corporate Protection

It is intended by the parties to this Agreement that the Consultant's services in connection with the Project shall not subject the Consultant's individual employees, officers, or directors to any personal legal exposure for the risks associated with this Project. Therefore, and notwithstanding anything to the contrary contained herein, the Client agrees that as the Client's sole and exclusive remedy, any claim, demand, or suit shall be directed and/or asserted only against Hampton, Lenzini and Renwick, Inc., a Delaware corporation, and not against any of the Consultant's individual employees, officers, or directors.

Defects in Service

The Client shall promptly report to the Consultant any defects or suspected defects in the Consultant's services of which the Client becomes aware, so that the Consultant may take measures to minimize the consequences of such a defect. The Client further agrees to impose a similar notification requirement on all contractors in its Client/Contractor contract and shall require all subcontracts at any level to contain a like requirement. Failure by the Client and the Client's contractors or subcontractors to notify the Consultant shall relieve the Consultant of the

costs of remedying the defects above the sum such remedy would have cost had prompt notification been given when such defects were first discovered.

Delays

The Client agrees that the Consultant is not responsible for damages arising directly or indirectly from any delays for causes beyond the Consultant's reasonable control, nor shall the Consultant be deemed in default of this Agreement. For purposes of this Agreement, such causes include, but are not limited to, strikes or other labor disputes; work slowdowns or stoppages; government ordered industry shutdowns; power or server outages; severe weather disruptions or other natural disasters; fires, riots, war, widespread infectious disease outbreaks (including but not limited to epidemics and pandemics), or other emergencies or acts of nature; failure of any government agency or utility to act in timely manner; failure of the Client to furnish timely information or approve or disapprove of the Consultant's services or work product; delays caused by the faulty performance by the Client's or by contractors of any level; or discovery of any hazardous substances or differing site conditions.

In addition, if the delays resulting from any such cause increase the cost or time required by the Consultant to perform its services in an orderly and efficient manner, the Consultant shall be entitled to an equitable adjustment in schedule and/or compensation.

Entire Agreement

This Agreement, comprising pages 1 through 7, and Exhibit A, is the entire Agreement between the Client and the Consultant. It supersedes all prior communications, understandings, and agreements, whether oral or written. Amendments to this Agreement must be in writing and signed by both the Client and the Consultant.

Extension of Protection

The Client agrees that any and all limitations of the Consultant's liability and indemnifications by the Client to the Consultant shall include and extend to those individuals and entities the Consultant retains for performance of the services under this Agreement, including but not limited to the Consultant's officers, partners, and employees and their heirs and assigns, as well as the Consultant's sub-consultants and their officers, employees, heirs and assigns.

Governing Law and Jurisdiction

The Client and the Consultant agree that this Agreement and any legal actions concerning its validity, interpretation, and performance shall be governed by the laws of the State of Illinois.

It is further agreed that any legal action between the Client and the Consultant arising out of this Agreement or the performance of the services shall be brought in a court of competent jurisdiction in the County of Kane, Illinois.

Indemnification

The Consultant agrees, to the fullest extent permitted by law, to indemnify and hold harmless the Client, its officers, directors, and employees (collectively, Client) against all damages, liabilities, or costs, including reasonable attorneys' fees and defense costs, to the extent caused by the Consultant's negligent performance of professional services under this Agreement and that of its sub-consultants or anyone for whom the Consultant is legally liable.

The Client agrees, to the fullest extent permitted by law, to indemnify and hold harmless the Consultant, its officers, directors, employees, and sub-consultants (collectively, Consultant) against all damages, liabilities, or costs, including reasonable attorneys' fees and defense costs, to the extent caused by the Client's negligent acts in connection with the Project and the acts of its contractors, subcontractors, or consultants, or anyone for whom the Client is legally liable.

Neither the Client nor the Consultant shall be obligated to indemnify the other party in any manner whatsoever for the other party's own negligence.

Mediation

In an effort to resolve any conflicts that arise during the design and construction of the Project or following the completion of the Project, the Client and the Consultant agree that all disputes between them arising out of or relating to this Agreement or the Project shall be submitted to nonbinding mediation unless the parties mutually agree otherwise.

The Client and the Consultant further agree to include a similar mediation provision in all agreements with independent contractors and consultants retained for the Project and to require all independent contractors and consultants also to include a similar mediation provision in all agreements with their subcontractors, sub-consultants, suppliers, and fabricators, thereby providing for mediation as the primary method for dispute resolution between the parties to all those agreements.

Notice of Delay

If the Consultant becomes aware of delays due to time allowances for review and approval being exceeded, delay by the Contractor, the Client, the Client's consultants, or any other cause beyond the control of the Consultant, which will result in the schedule for performance of the Consultant's services not being met, the Consultant shall promptly notify the Client. If the Client becomes aware of any delays or other causes that will affect the Consultant's schedule, the Client shall promptly notify the Consultant. In either event, the Consultant's schedule for performance of its services shall be equitably adjusted.

Severability

Any term or provision of this Agreement found to be invalid under any applicable statute or rule of law shall be deemed omitted and the remainder of the Agreement shall remain in full force and effect.

Standard of Care

In providing services under this Agreement, the Consultant will endeavor to perform in a manner consistent with that degree of care and skill ordinarily exercised by members of the same profession currently practicing under similar circumstances.

Suspension of Services

If the Project or the Consultant's services are suspended by the Client for more than thirty (30) calendar days, consecutive or in the aggregate, over the term of this Agreement, the Consultant shall be compensated for all services performed and reimbursable expenses incurred prior to the receipt of notice of suspension. In addition, upon resumption of services, the Client shall compensate the Consultant for expenses incurred as a result of the suspension and resumption of its services, and the Consultant's schedule and fees for the remainder of the Project shall be equitably adjusted.

If the Consultant's services are suspended for more than ninety (90) days, consecutive or in the aggregate, the Consultant may terminate this Agreement upon giving not less than five (5) calendar days' written notice to the Client.

If the Client is in breach of the payment terms or otherwise is in material breach of this Agreement, the Consultant may suspend performance of services upon five (5) calendar days' notice to the Client. The Consultant shall have no liability to the Client, and the Client agrees to make no claim for any delay or damage as a result of such suspension caused by any breach of this Agreement by the Client. Upon receipt of payment in full of all outstanding sums due from the Client or curing of such other breach which caused the Consultant to suspend services, the Consultant shall resume services and there shall be an equitable adjustment to the remaining project schedule and fees as a result of the suspension.

Termination

The Client may terminate this Agreement for the Client's convenience and without cause upon giving the Consultant not less than seven (7) calendar days' written notice.

Matt Huffman, PE
Christopher B. Burke Engineering, Ltd.
May 4, 2026
Page 6

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

- Substantial failure by the other party to perform in accordance with the terms of this Agreement and through no fault of the terminating party;
- Assignment of this Agreement or transfer of the Project by either party to any other entity without the prior written consent of the other party;
- Suspension of the Project or the Consultant's services by the Client for more than ninety (90) calendar days, consecutive or in the aggregate;
- Material changes in the conditions under which this Agreement was entered into, the Scope of Services or the nature of the Project, and the failure of the parties to reach agreement on the compensation and schedule adjustments necessitated by such changes.

In the event of any termination that is not the fault of the Consultant, the Client shall pay the Consultant, in addition to payment for services rendered and reimbursable costs incurred, for all expenses reasonably incurred by the Consultant in connection with the orderly termination of this Agreement, including but not limited to demobilization, reassignment of personnel, associated overhead costs and all other expenses directly resulting from the termination.

Third-Party Beneficiaries

Nothing contained in this Agreement shall create a contractual relationship with or a cause of action in favor of a third party against either the Client or the Consultant. The Consultant's services under this Agreement are being performed solely for the Client's benefit, and no other party or entity shall have any claim against the Consultant because of this Agreement or the performance or nonperformance of services hereunder. The Client and Consultant agree to require a similar provision in all contracts with contractors, subcontractors, sub-consultants, vendors and other entities involved in this Project to carry out the intent of this provision.

Unauthorized Changes

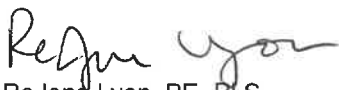
In the event the Client, the Client's contractors or subcontractors, or anyone for whom the Client is legally liable makes or permits to be made any changes to any reports, plans, specifications or other construction documents prepared by the Consultant without obtaining the Consultant's prior written consent, the Client shall assume full responsibility for the results of such changes. Therefore, the Client agrees to waive any claim against the Consultant and to release the Consultant from any liability arising directly or indirectly from such changes.

In addition, the Client agrees, to the fullest extent permitted by law, to indemnify and hold harmless the Consultant from any damages, liabilities, or costs, including reasonable attorneys' fees and costs of defense, arising from such changes.

If this agreement meets with Christopher B. Burke Engineering, Ltd.'s approval, please have the proper officials sign and date same where indicated below and return one (1) copy for our file. If you have questions on any of the above, please call me at our Elgin office.

Yours truly,

HAMPTON, LENZINI AND RENWICK, INC.



ReJena Lyon, PE, PLS
President/CEO
Enclosure

Matt Huffman, PE
Christopher B. Burke Engineering, Ltd.
May 4, 2026
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ACCEPTANCE

The terms and conditions of this letter agreement are hereby accepted by Christopher B. Burke for land acquisition services set forth above.

ATTEST:

By Amy McGowan 5/4/2026
Signature & Date

Title Corporate Treasurer

HAMPTON, LENZINI AND RENWICK, INC.

By Rejon Vyon 5/4/2026
Signature & Date

Title President / CEO

ATTEST:

By _____
Signature & Date

Title _____

CLIENT

By _____
Signature & Date

Title _____

EXHIBIT A

Appraisals – HLR will prepare appraisals of the following properties from which right-of-way or easements will be necessary. Appraisals will cover the following property PIN's:

- 15-35-103-029
- I. The appraisal will determine the value of the right-of-way and easements based on standard appraisal practices. Specific tasks to meet these requirements and included in this scope are listed below. Additional requirements requested by the Client's legal counsel will require additional compensation.
- a. Estimate the compensation to be paid by Lake County to individual property owners for the rights to be acquired for the Deerfield Road project.
 - b. The reports will be prepared in compliance with the Uniform Standards of Professional Appraisal Practice (USPAP). The reports will be presented in accordance with and are intended to comply with the reporting requirements as set forth in Standard 2-2. Supporting documentation will either be included in the report as addenda exhibits or held in our work files. The depth of discussion in the report will be specific to your needs.
 - c. The definition of market value to be used in this report is the definition cited below.

The fair cash market value of a property in an eminent domain proceeding is that price which a willing buyer would pay in cash, and a willing seller would accept, when the buyer is not compelled to buy and the seller is not compelled to sell. In accordance with 49 CFR Part 24 and IDOT's Land Acquisition Policies and Procedures Manual, in opining on the value of the property before the taking, the appraiser shall disregard any decrease or increase in the fair market value of real property prior to the date of valuation caused by the public improvement for which such property is acquired, or by the likelihood the property would be acquired for such improvement, other than that due to physical deterioration within the reasonable control of the owner. This situation is considered to be a hypothetical condition for the purposes of this appraisal. The use of this hypothetical condition may affect the assignment results.

Any decrease or increase in value caused by the actual acquisition of a part of the property must be considered in opining on the value of the remainder after taking. Such changes in value are parcel-specific.

- d. In the event of a partial acquisition where there is a remainder property, any appreciation or depreciation caused by the contemplated improvement shall be considered when determining the fair cash market value of the remainder. Any increase or decrease in value caused by the actual acquisition of a part of the property must be considered in estimating the value of the remainder after taking.
- e. Research will be completed to identify appropriate market data.
- f. Information will be obtained from public and private sources including our files and available public records (e.g. city, county and township records). When possible, information will be verified by someone directly involved in the sale. At a minimum, sales will be verified by a public record.
- g. If compliance with all USPAP requirements is not possible and a Jurisdictional Exception is used the exception must be explained by indicating what USPAP rule is being broken and the valid reason for the non-compliance.
- h. The appraisal reports and, if necessary, appraisal review reports will be completed by Illinois Certified General Appraisers who are prequalified by IDOT.

EXHIBIT A

- II. IDOT Review – If the project includes federal funding, this task will take place after Illinois Department of Transportation (IDOT) reviews and approves the plats and legals for the property.
- III. Specialty Report – In the event that there are costs that are difficult to determine or there are mitigation measures that can make the property whole again without permanent damage, a Specialty Report can be requested by the client. This additional service cost would require additional compensation.
- IV. Review Appraisals – Federally funded projects will require a review appraisal to ensure to confirm the appraised cost of the right-of-way or easements is in line. Specific tasks to meet these requirements and included in this scope are listed below. Additional requirements requested by the Client's legal counsel will require additional compensation.

In accordance with 49 CFR 24.104 and USPAP Standards Rule 3, the review appraiser will prepare an appraisal review report to support the approved value selected for the use as the basis for acquisition purposes. This report shall contain the following information, either in a simple format or a more complex format as required for the review assignment:

- a. Scope of work being reviewed and the scope of work of the review assignment;
 - i. Examination of the presentation and analysis of the appraisal report and the development of an opinion as to completeness, adequacy, appropriateness of appraisal methods and techniques used;
 - ii. Identification of client, intended use and intended user(s);
 - iii. Identification of any damages or benefits to any remaining property identified in the appraisal; and
 - iv. A signed certification
- b. This appraisal assignment will comply with the following standards, laws regulations, and policies:
 - i. The Uniform Relocations Assistance and Real Property Acquisition Policies Act of 1970, as amended (Uniform Act) and its implementing regulation 49 CFR part 24.\
 - ii. The Uniform Standards of Professional Practice (USPAP), and
 - iii. The Illinois Department of Transportation's Land Acquisition Policies and Procedures Manual.
- c. The report will be reviewed to determine if the appraiser has complied with the required IDOT standards in accordance with 49 CFR 24.104 and the requirements of the Uniform Standards of Professional Appraisal Practice (USPAP). My report is intended to comply with the requirements of Standard 3 and is prepared on this form as developed and required by IDOT.
- d. In the event that the reviewer completes their own independent research of the subject property and any additional information and data or the reviewer has documented the attached appraisal, this will be so stated in the review appraisal report. Otherwise, the review will be based on only the data and information provided by the appraiser of record for the appraisal report.
- e. If the reviewer disagrees with any of the appraiser's conclusions, the basis for this opinion is explained and supported as part of the review report. The appraiser's report that is to be reviewed will be attached and considered part of the review report. Unless noted otherwise, the reviewer has accepted the factual data reported by the appraiser.

EXHIBIT A

- f. The purpose of the appraisal review certification report is to evaluate the methods, techniques, and conclusions in the appraisal report and compliance with IDOT policies and procedures.
 - g. The review report is intended to be used as the basis for an offer of compensation to the property owner for the property rights to be acquired. No other use is intended.
 - h. The definition of market value used in this report is the definition required by IDOT as noted on page two of the review report.
 - i. A field review of the subject property will be completed. The field review of the property will be limited to observation from public areas only; The property owner will not be contacted. A field review of the market data included in the report by the appraiser will be completed.
 - j. Verification of Market Data: The facts on market data, reported by the appraiser, will be verified from an available public record or source.
 - k. The intent of the review report is to judge the appraisal report's credibility with respect to the use of proper appraisal methods, reasonable analysis of data, and adequate support for conclusions. The review is not intended as a separate appraisal report of the property. Acceptance of the report indicates that the methods, analysis, and support for conclusions in the report are reasonable and adequately supported. Acceptance of the report does not imply agreement with the appraiser's conclusions.
- V. Negotiations – HLR will negotiate the acquisition of the right-of-way and/or easements on behalf of the client in accordance with IDOT requirements. Negotiations, in accordance with IDOT requirements, are necessary for all federally funded projects. Specific tasks to meet these requirements and included in this scope are listed below. Additional requirements requested by the Client's legal counsel will require additional compensation.
- a. The negotiator will personally contact the property owner(s) and offer to meet in-person to discuss the project and the acquisition process.
 - b. The negotiator will personally present the approved fair market value of the property (offer to purchase) to the property owner(s).
 - c. The negotiator will document all efforts in the Negotiator's Report which shall contain the names and addresses of all interested parties and, if necessary, a recommendation for further action. The negotiator shall maintain and submit this completed report to the Client upon request.
 - d. The negotiator will personally contact the property owner(s) a minimum of three times and will continue contacts for up to nine (9) months to attempt to reach a negotiated settlement. The negotiator will determine that a parcel cannot be successfully negotiated if an agreement has not been reached within nine (9) months from the date the offer is presented. If condemnation is unavoidable, the negotiator will continue to attempt to negotiate a settlement until the petition to condemn the parcel has been filed, and will be available in the event a settlement is reached.
 - e. The negotiator will review title exceptions and obtain "clear" title. The negotiator will attempt to obtain "clear" title for three (3) months from the date conveyance documents are presented to the property owner(s) for signature.
 - f. The negotiator will obtain proper documentation to secure an adequate interest for the purpose for which it is being acquired.
 - g. The negotiator will be available to meet with Client personnel regarding status.

EXHIBIT A

- h. The negotiator's files will be available for review by the Client.
- i. Negotiations will be performed in compliance with IDOT Land Acquisition Policies and Procedures.
- j. Negotiation services will include obtaining right-of-way certification by IDOT, if required.
- k. Fees do not include title commitments or later-dates. Recording fees, title insurance policy fees, lender's fees related to the processing of any partial releases, trustee processing fees associated with the acquisition of parcels, etc. will be billed as a direct cost.


DISCLOSURES



VENDOR CERTIFICATION FORM

Bid/RFP/SOI Number:	Phase II Engineering for Deerfield Road (IL 21/US 45 to Riverwoods / Sauders Rd)		
Vendor Name:	Christopher B. Burke Engineering, Ltd.		
Address:	9575 W. Higgins Road, Suite 600, Rosemont, IL 60018		
Primary Contact Name:	Matt Huffman		
Primary Contact Email Address:	mhuffman@cbbel.com		
Primary Contact Phone Number:	847/823-0500		
Project Manager Name:	Matt Huffman		
Project Manager Email Address:	mhuffman@cbbel.com		
Project Manager Phone Number:	847-823-0500		
# Years in Business:	40	Number of Employees:	269
Annual Sales:	\$ 77,600,000 IDOT Capacity	Dunn & Bradstreet #: Unique Entity Identifier	CT1XWM76B228
Vendor Certification Statement: Please identify all of the following that apply to the ownership of this firm. This information is collected for reporting purposes only and not vendor selection. Please include a copy of the certification. (Definitions are included on the second page of Vendor Certification Form).			
	Contractor certifies as a Minority – Business Enterprise (MBE)		
	Contractor certifies as a Women Business Enterprise (WBE)		
	Contractor certifies as a Veteran-Owned (VBE) Business Enterprise		
	Contractor certifies as a Persons with Disabilities Owned Business Enterprise (PDBE)		
	Contractor certifies as a Service-Disabled Veteran-Owned (SDVBE) Business Enterprise		
	Contractor certifies as a Business Enterprise Program (BEP)		
	Contractor certifies as a Small Disadvantaged Businesses (SDB)		
	Contractor certifies as a Veteran-Owned Small Business (VOSB)		
	Local Business		
X	None		
Other (Specify)			
Certification Number:			
Certified by (Agency):			

I certify that this information is accurate to the best of my knowledge and that I am authorized to provide this information on behalf of my company.



 Signature, Title

Michael Kerr, President

 Printed Name, Title

5/4/2026

 Date

Vendor Certification Definitions

- **Minority-owned business (MBE)**

A business concern which is at least 51% owned by one or more minority persons, or in the case of a corporation, at least 51% of the stock in which is owned by one or more minority persons; and the management and daily business operations of which are controlled by one or more of the minority individuals who own it.
- **Woman-owned business (WBE)**

A business which is at least 51% owned by one or more women, or, in the case of a corporation, at least 51% of the stock in which is owned by one or more women; and the management and daily business operations of which are controlled by one or more of the women who own it.
- **Veteran-owned Business Enterprise (VBE)**

A small business (i) that is at least 51 percent owned, controlled and managed by one or more Eligible Veterans or in the case of a corporation, at least 51 percent or more of the stock of which is owned, controlled and managed by one or more Eligible Veterans.

 - Eligible Veteran means a person who (i) has been either a member of the armed forces of the United States or, while a citizen of the United States, was a member of the armed forces of allies of the United States in time of hostilities with a foreign country and (ii) has served under one or more of the following conditions: (a) the veteran served a total of at least 6 months; (b) the veteran served for the duration of hostilities regardless of the length of the engagement; (c) the veteran was discharged on the basis of hardship; or (d) the veteran was released from active duty because of a service connected disability and was discharged under honorable conditions.
 - Armed forces of the United States means the United States Army, Navy, Air Force, Marine Corps, Coast Guard or service in active duty as defined under 38 U.S.C. Section 101. Service in the Merchant Marine that constitutes active duty under Section 401 of federal Public Act 95-202 shall also be considered service in the armed forces for purposes of this Division.
- **Persons with Disabilities Owned Business Enterprise (PDBE)**

A small business (i) that is at least 51 percent owned, controlled and managed by one or more Persons with a Disability; or in the case of a corporation, at least 51 percent or more of the stock of which is owned, controlled, and managed by one or more Persons with a Disability.

 - Disability or Disabled means, with respect to an individual, a physical or mental impairment that substantially limits one or more of the major life activities of the individual, a record of physical or mental impairment that substantially limits one or more of the major life activities of the individual, or being regarded as an individual with a physical or mental impairment that substantially limits one or more of the major life activities of the individual.
- **Service-Disabled Veteran-owned Business Enterprise (SDVBE)**

A small business (i) that is at least 51 percent owned, controlled, and managed by one or more qualified service disabled veterans or in the case of a corporation, at least 51 percent or more of the stock of which is owned, controlled and managed by one or more Service Disabled Veterans.

 - Service-Disabled Veteran means an Eligible Veteran who has been found to have 10 percent or more service-connected disability by the United States Department of Veterans Affairs or the United States Department of Defense.
 - Service-connected disability means a disability incurred in the line of duty in the active military, naval or air service as described in 38 U.S.C. 101(16).
- **BEP – Business Enterprise Program**

Business Enterprise Program (BEP) BEP assists businesses owned by minorities, women and people with disabilities gain access to the State of Illinois procurement process. BEP certification with the State of Illinois can also open the door to opportunities with other public and private entities which are looking for diverse suppliers.
- **Small Disadvantaged Businesses (SDB)**

A Small Disadvantaged Business (SDB) is a small business owned and controlled by socially and economically disadvantaged individuals as defined by Federal Acquisition Regulation (FAR) 19.001
- **Veteran-Owned Small Business (VOSB)**

A Veteran-Owned Small Business (VOSB) is a small business that is at least 51 percent owned by one or more veterans; or, if a publicly owned business, at least 51 percent of the stock is owned by one or more veterans. Also, one or more veterans control management and daily business operations of the firm.
- **Local business**

A business that is either owned and operated with a mailing address within the boundaries of Lake County or a corporate business with at least one “brick and mortar” location within the boundaries of Lake County. No additional certification is required; however, address verification for location may be requested.



VENDOR DISCLOSURE STATEMENT

Vendor Name:	Christopher B. Burke Engineering, Ltd.		
Address:	9575 W. Higgins Road, Suite 600, Rosemont, IL 60018		
Contact Person:	Matt Huffman	Contact Phone #:	847-823-0500
Bid/RFP/SOI/Contract/Renewal:	Phase II Engineering for Deerfield Road IL 21/US 45 to Riverwoods / Sauders Rd		

Vendors wishing to contract with Lake County for goods and services in an amount greater than \$30,000 shall submit this form in advance of award. This disclosure statement is not required for utility companies regulated by the Illinois Commerce Commission or local units of government. Vendors shall disclose:

- A familial relationship between a Lake County elected official, department director, deputy director and manager and owners, principals, executives, officers, account managers or other similar managerial positions of the vendor's company. Familial relationship is defined as a spouse (including civil partner), child, stepchild, parent, stepparent, grandparent, in-laws (including parent, grandparent, sibling, or child), relatives and non-relatives living in the same residence, and offspring born to any aforementioned person.
- All political campaign contributions made by the vendor or an owner, principal, executive, officer, account manager, or other similar managerial position of the vendor to any county board member, county board chair, or countywide elected official within the last five years.

If there is nothing to report in a section, please state none in the appropriate space.

FAMILIAL RELATIONSHIPS

List names and departments/agencies of Lake County employees or public officials with whom owners, principals, or officers of the vendor's company have a familial relationship and the nature of the relationship. Attach additional pages as necessary. (Provide all names or state none in the space below. Do not leave blank.)

Name and Department/Agency of Lake County Employee/Public Official	Familial Relationship
None	

CAMPAIGN CONTRIBUTIONS

List campaign contributions that have been made within the last five years that exceed \$150 annually. Attach additional pages as necessary. (Provide all names or state none in the space below. Do not leave blank.)

Recipient	Donor	Description (e.g., cash, type of item, in-kind service, etc.)	Amount/Value	Date Made
None				

Continuing disclosure is required if information changes. This Vendor Disclosure Statement form is available at www.lakecountyil.gov.

The full text of the County's Ethics and Procurement policies and ordinances are available at www.lakecountyil.gov.

I hereby acknowledge that the information above is accurate and complete, that I am an authorized signer on behalf of the vendor, that I have read and understand these disclosure requirements, and that I agree to update this information if there are any related changes by submitting a new Vendor Disclosure Statement.

Authorized Signature:		Title:	President
Printed Name:	Michael Kerr, President	Date:	4/27/2026

Vendors must insert "x" in the following box indicating exception and provide a brief narrative for exception.