



Agreement For
Using Federal Funds? ☐ Yes ☒ No **MFT PE-CE**

Agreement Type
Original

LOCAL PUBLIC AGENCY

| | | | |
|---------------------|-------------------|----------------|-------------------------|
| Local Public Agency | County | Section Number | Job Number |
| Lake | Lake | 17-00193-08-PV | |
| Project Number | Contact Name | Phone Number | Email |
| | Glenn Petko, P.E. | (847) 377-7400 | GPetko@LakeCountyIL.gov |

SECTION PROVISIONS

| | | | |
|---------------------------|-----------|---------|------------------------|
| Local Street/Road Name | Key Route | Length | Structure Number |
| Arlington Heights Rd | | 1.88 mi | |
| Location Termini | | | Add Location |
| Lake Cook Rd to IL Rte 83 | | | Remove Location |

Project Description

Reconstruction of existing concrete pavement with new hot mix asphalt pavement. Includes channelization at Fremont Way, replacing storm sewer, widening Checker Rd, filling a sidewalk gap between Brittany Ln & Checker Rd, replacing traffic signal equipment and other related work. This agreement is for Phase III construction and soils inspection. Contractor will perform construction layout and LCDOT will perform asphalt and concrete Quality Assurance QA.

| | | | | |
|----------------------------------|---|---|--------------------------------|---|
| Engineering Funding | <input checked="" type="checkbox"/> MFT/TBP | <input type="checkbox"/> State | <input type="checkbox"/> Other | |
| Anticipated Construction Funding | <input type="checkbox"/> Federal | <input checked="" type="checkbox"/> MFT/TBP | <input type="checkbox"/> State | <input checked="" type="checkbox"/> Other |
| | | | | County Option - MFT |

AGREEMENT FOR

☐ Phase I - Preliminary Engineering ☐ Phase II - Design Engineering ☒ Phase III - Construction Engineering

CONSULTANT

| | | | |
|----------------------------------|--------------------|----------------|--------------------|
| Prime Consultant (Firm) Name | Contact Name | Phone Number | Email |
| Christopher B. Burke Engineering | W.DanielCrosson,PE | (847) 823-0500 | DCrosson@cbbel.com |
| Address | City | State | Zip Code |
| 9575 W. Higgins Rd | 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 |
| Resident Construction Supervisor | Authorized representative of the LPA in immediate charge of the engineering details of the construction PROJECT |
| In Responsible Charge | A full time LPA employee authorized to administer inherently governmental PROJECT activities |

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 (CECS) Worksheets (BLR 05513 or BLR 05514)
- ☐ EXHIBIT ____ : Direct Costs Check Sheet (attach BDE 436 when using Lump Sum on Specific Rate Compensation)
- ☐ _____
- ☐ _____
- ☐ _____

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 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:
 - (a) For Preliminary and/or Design Engineering: 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.
 - (b) For Construction Engineering: The ENGINEER shall submit invoices, based on the ENGINEER's progress reports, to the LPA employee In Responsible Charge, no more than once a month for partial payment on account for the ENGINEER's work to date. Such invoices shall represent the value, to the LPA of the partially completed work, based on the sum of the actual costs incurred, plus a percentage (equal to the percentage of the construction engineering completed) of the fixed fee for the fully completed work.
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 not 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. For Construction Engineering Contracts:
 - (a) For Quality Assurance services, provide personnel who have completed the appropriate STATE Bureau of Materials QC/QA trained technical classes.
 - (b) For all projects where testing is required, the ENGINEER shall obtain samples according to the STATE Bureau of Materials "Manual of Test Procedures for Materials," submit STATE Bureau of Materials inspection reports; and verify compliance with contract specifications.
11. 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 COSTS 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. For Construction Engineering Contracts:
 - (a) To furnish a full time LPA employee to be In Responsible Charge authorized to administer inherently governmental PROJECT activities.
 - (b) To submit approved forms BC 775 and BC 776 to the DEPARTMENT when federal funds are utilized.
4. 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.
5. 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.

Field Office Overhead Rates: Field rates must be used for construction engineering projects expected to exceed one year in duration or if the construction engineering contract exceeds \$1,000,000 for any project duration.

6. 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 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. The 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 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 (e) 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.
8. 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.
9. 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.

10. This certification is required by the Drug Free Workplace Act (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 or 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 those 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 the 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 five (5) days after such conviction.
- (b) Establishing a drug free awareness program to inform employees about:
 - (1) The dangers of drug abuse in the workplace;
 - (2) 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) 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, LPA and the DEPARTMENT 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 project. 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.

11. 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.).
12. 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.
13. For Construction Engineering Contracts:
- (a) That all services are to be furnished as required by construction progress and as determined by the LPA employee In Responsible Charge. The ENGINEER shall complete all services herein within a time considered reasonable to the LPA, after the CONTRACTOR has completed the construction contract.
 - (b) That all field notes, test records and reports shall be turned over to and become the property of the LPA and that during the performance of the engineering services herein provide 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.
 - (c) That any differences between the ENGINEER and the LPA concerning the interpretation of the provisions of this

AGREEMENT shall be referred to a committee of disinterested parties consisting of one member appointed by the ENGINEER, one member appointed by the LPA, and a third member appointed by the two other members for disposition and that the committee's decision shall be final.

- (d) That in the event that engineering and inspection services to be furnished and performed by the LPA (including personnel furnished by the ENGINEER) shall, in the opinion of the STATE be incompetent or inadequate, the STATE shall have the right to supplement the engineering and inspection force or to replace the engineers or inspectors employed on such work at the expense of the LPA.
- (e) Inspection of all materials when inspection is not provided at the sources by the STATE Central Bureau of Materials, and submit inspection reports to the LPA and STATE in accordance with the STATE Central Bureau of Materials "Project Procedures Guide" and the policies of the STATE.

AGREEMENT SUMMARY

| Prime Consultant (Firm) Name | TIN/FEIN/SS Number | Agreement Amount |
|----------------------------------|--------------------|------------------|
| Christopher B. Burke Engineering | 36-3468939 | \$1,900,479.00 |

| Subconsultants | TIN/FEIN/SS Number | Agreement Amount |
|-------------------------------|--------------------|------------------|
| Metro Strategies Group | 87-2285367 | \$52,446.00 |
| HBK Engineering | 36-4304016 | \$83,118.00 |
| Material Solutions Laboratory | 20-5755513 | \$50,013.00 |
| Subconsultant Total | | \$185,577.00 |
| Prime Consultant Total | | \$1,900,479.00 |
| Total for all work | | \$2,086,056.00 |

AGREEMENT SIGNATURES

Executed by the LPA:

Attest: The

| |
|--------------------------|
| Local Public Agency Type |
| County |

 of

| |
|---------------------|
| Local Public Agency |
| Lake |

By (Signature & Date)

| |
|--|
| |
|--|

By (Signature & Date)

| |
|--|
| |
|--|

Local Public Agency

Lake

Local Public Agency Type

County

Clerk

Title

Chair, Lake County Board

RECOMMENDED FOR EXECUTION

Shane E. Schneider, P.E.
Director of Transportation/ County Engineer

Executed by the ENGINEER:

Attest:

| |
|----------------------------------|
| Prime Consultant (Firm) Name |
| Christopher B. Burke Engineering |

By (Signature & Date)

| |
|--|
|  9/7/2023 |
|--|

Title

Vice President

By (Signature & Date)

| |
|---|
|  9/7/2023 |
|---|

Title

President

APPROVED:

Regional Engineer, Department of Transportation (Signature & Date)

| |
|--|
| |
|--|

County Engineer
On Behalf of IDOT pursuant to Agreement
of Understanding dated May 3, 2018

| | | | |
|---------------------|----------------------------------|--------|----------------|
| Local Public Agency | Prime Consultant (Firm) Name | County | Section Number |
| Lake | Christopher B. Burke Engineering | Lake | 17-00193-08-PV |

**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

(1) A resident construction supervisor, inspectors, and other technical personnel to perform the following work: (The number of such inspectors and other technical personnel required shall be subject to the approval of the LPA.)

- a. Continuous observation of the work and the contractor's operations for compliance with the plans and specifications as construction proceeds, but the ENGINEER does not guarantee the performance of the contract by the contractor
- b. Spot checking of lines and grades.
- c. Maintain a daily record of the contractor's activities throughout construction including sufficient information to permit verification of the nature and cost of changes in plans and authorized extra work.
- d. Supervision of inspectors, proportioning engineers and other technical personnel and the taking and submitting of material samples
- e. Revision of contract drawings to reflect as built conditions
- f. Preparation and submission to the LPA in the required form and number of copies, all partial and final payment estimates, change orders, records and reports required by the LPA.
- g. At least one DECI-certified employee available for erosion control inspection duties
- h. Provide public outreach and maintain a website, which includes an open and public sign-up for on-going project information.

NOTE: The ENGINEER is required to be prequalified with the STATE in Construction Inspection.

The onsite resident construction supervisor and project inspectors shall possess valid Documentation of Contract Quantities certification

(2) That all construction documentation to be furnished by the ENGINEER pursuant to this agreement will be in accordance with the current standard specifications and policies of the DEPARTMENT & the LPA, it being understood that all construction documentation shall before being finally accepted, be subject to approval by the LPA.

(3) To attend conferences at any reasonable time when requested to do so by the LPA.

(4) The basic survey notes and sketches, charts, computations and other data prepared or obtained by the ENGINEER pursuant to this agreement will be made available upon request to the LPA without cost and without restriction or limitations as to their use.

(5) That all plans and other documents furnished by the ENGINEER pursuant to the AGREEMENT will be endorsed and will show professional seal where such is required by law.

(6) To submit, upon request by the LPA a list of the personnel and the equipment proposed to use in fulfilling the requirements of this AGREEMENT.

| Local Public Agency | Prime Consultant (Firm) Name | County | Section Number |
|---------------------|----------------------------------|--------|----------------|
| Lake | Christopher B. Burke Engineering | Lake | 17-00193-08-PV |

**EXHIBIT B
PROJECT SCHEDULE**

PROJECT SCHEDULE

LCDOT Letting: November 2023

Preconstruction Services: December 2023

Construction Observation/Documentation: March 2024

Project Closeout: November 2025

| | | | |
|---------------------|----------------------------------|--------|----------------|
| Local Public Agency | Prime Consultant (Firm) Name | County | Section Number |
| Lake | Christopher B. Burke Engineering | Lake | 17-00193-08-PV |

Exhibit C
Qualification Based Selection (QBS) Checklist

The LPA must complete Exhibit D. If the value meets or will exceed the threshold in 50 ILCS 510, QBS requirements must be followed. Under the threshold, QBS requirements do not apply. The threshold is adjusted annually. If the value is under the threshold with federal funds being used, federal small purchase guidelines must be followed.

☐ Form Not Applicable (engineering services less than the threshold)

Items 1-13 are required when using federal funds and QBS process is applicable. Items 14-16 are required when using State funds and the QBS process is applicable.

| | | No | Yes |
|---|---|--------------------------|-------------------------------------|
| 1 | Do the written QBS policies and procedures discuss the initial administration (procurement, management and administration) concerning engineering and design related consultant services? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2 | Do the written QBS policies and procedures follow the requirements as outlined in Section 5-5 and specifically Section 5-5.06 (e) of the BLRS Manual? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3 | Was the scope of services for this project clearly defined? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4 | Was public notice given for this project? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

If yes Due date of submittal **07/14/23**

Method(s) used for advertisement and dates of advertisement

News Sun publication on 6/30 & 7/7/23 + County website starting on 6/28/23

| | | | |
|---|--|--------------------------|-------------------------------------|
| 5 | Do the written QBS policies and procedures cover conflicts of interest? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 6 | Do the written QBS policies and procedures use covered methods of verification for suspension and debarment? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 7 | Do the written QBS policies and procedures discuss the methods of evaluation? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

| Project Criteria | Weighting |
|--------------------------------|-----------|
| Technical Approach | 20% |
| Firm Experience | 10% |
| Specialized Expertise | 10% |
| Staff Capabilities (prime/sub) | 20% |
| Workload Capacity | 10% |
| Past Performance | 20% |
| Local Presence | 10% |

| | | | |
|---|---|--------------------------|-------------------------------------|
| 8 | Do the written QBS policies and procedures discuss the method of selection? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|---|---|--------------------------|-------------------------------------|

Selection committee (titles) for this project

Shane Schneider, P.E. (County Engineer); Kevin Carrier, P.E. (Asst. County Engineer); Charles Askar, P.E. (Engineer of Traffic); Glenn Petko, P.E. (Engineer of Construction); Scott Aho, P.E. (Construction Engineer); Jeff Dayson, P.E. (Construction Engineer); Julian Rozwadowski, P.E. (Project Manager)

| Top three consultants ranked for this project in order | |
|--|--|
| 1 | Christopher B. Burke Engineering, Ltd |
| 2 | V3 Companies, Ltd |
| 3 | HR Green, Inc. |

| | | | |
|----|---|-------------------------------------|-------------------------------------|
| 9 | Was an estimated cost of engineering for this project developed in-house prior to contract negotiation? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 10 | Were negotiations for this project performed in accordance with federal requirements. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 11 | Were acceptable costs for this project verified? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 12 | Do the written QBS policies and procedures cover review and approving for payment, before forwarding the request for reimbursement to IDOT for further review and approval? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

| | | | | | | | |
|---------------------|--|----------------------------------|--|--------|--|-------------------------------------|-------------------------------------|
| Local Public Agency | | Prime Consultant (Firm) Name | | County | | Section Number | |
| Lake | | Christopher B. Burke Engineering | | Lake | | 17-00193-08-PV | |
| 13 | Do the written QBS policies and procedures cover ongoing and finalizing administration of the project (monitoring, evaluation, closing-out a contract, records retention, responsibility, remedies to violations or breaches to a contract, and resolution of disputes)? | | | | | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 14 | QBS according to State requirements used? | | | | | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 15 | Existing relationship used in lieu of QBS process? | | | | | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 16 | LPA is a home rule community (Exempt from QBS). | | | | | <input checked="" type="checkbox"/> | <input type="checkbox"/> |



| | | |
|--|---|---|
| Local Public Agency Lake County Division of Transportation | County Lake | Section Number 17-00193-08-PV |
| Prime Consultant (Firm) Name Christopher B. Burke Engineering, Ltd. | Prepared By W. Daniel Crosson | Date 8/24/2023 |
| Consultant / Subconsultant Name Christopher B. Burke Engineering, Ltd. | 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 | 24 | MONTHS | OVERHEAD RATE | 131.31% |
| START DATE | 12/1/2023 | | COMPLEXITY FACTOR | |
| RAISE DATE | 1/1/2024 | | % OF RAISE | 2.00% |
| END DATE | 11/30/2025 | | | |

ESCALATION PER YEAR

| Year | First Date | Last Date | Months | % of Contract |
|------|------------|-----------|--------|---------------|
| 0 | 12/1/2023 | 1/1/2024 | 1 | 4.17% |
| 1 | 1/2/2024 | 1/1/2025 | 12 | 51.00% |
| 2 | 1/2/2025 | 12/1/2025 | 11 | 47.69% |

| | | |
|--|---------------|-----------------------|
| Local Public Agency | County | Section Number |
| Lake County Division of Transportation | Lake | 17-00193-08-PV |
| Consultant / Subconsultant Name | | Job Number |
| Christopher B. Burke Engineering, Ltd. | | |

PAYROLL RATES

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

| | |
|-----------------------------|--------------|
| MAXIMUM PAYROLL RATE | 86.00 |
| ESCALATION FACTOR | 2.85% |

| CLASSIFICATION | IDOT PAYROLL RATES ON FILE | CALCULATED RATE |
|--|---|------------------------|
| Engineer VI | \$84.21 | \$86.00 |
| Engineer V | \$71.16 | \$73.19 |
| Engineer IV | \$58.38 | \$60.04 |
| Engineer III | \$46.57 | \$47.90 |
| Engineer I/II | \$33.60 | \$34.56 |
| Survey V | \$81.89 | \$84.23 |
| Survey IV | \$74.00 | \$76.11 |
| Survey III | \$64.75 | \$66.60 |
| Survey II | \$53.00 | \$54.51 |
| Survey I | \$37.56 | \$38.63 |
| Engineering Technician V | \$70.17 | \$72.17 |
| Engineering Technician IV | \$61.81 | \$63.57 |
| Engineering Technician III | \$38.25 | \$39.34 |
| Engineering Technician I/II | \$23.33 | \$24.00 |
| CAD Manager | \$68.83 | \$70.79 |
| CAD Technician II | \$51.81 | \$53.29 |
| GIS Specialist III | \$56.00 | \$57.60 |
| Landscape Architect | \$63.00 | \$64.80 |
| Landscape Designer I/II | \$36.50 | \$37.54 |
| Environmental Resource Specialist V | \$73.70 | \$75.80 |
| Environmental Resource Specialist IV | \$60.58 | \$62.31 |
| Environmental Resource Specialist III | \$51.25 | \$52.71 |
| Environmental Resource Specialist I/II | \$29.13 | \$29.96 |
| Environmental Resource Technician | \$44.00 | \$45.25 |
| Engineering Intern | \$18.67 | \$19.20 |
| | | |
| | | |

| | | |
|--|---------------|-----------------------|
| Local Public Agency | County | Section Number |
| Lake County Division of Transportation | Lake | 17-00193-08-PV |
| Consultant / Subconsultant Name | | Job Number |
| Christopher B. Burke Engineering, Ltd. | | |

SUBCONSULTANTS

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

[illegible]

NOTE: Only subconsultants who fill out a cost estimate that splits out direct labor may be listed on this sheet.

Local Public Agency

Lake County Division of Transportation

County

Lake

Section Number

17-00193-08-PV

Consultant / Subconsultant Name

Christopher B. Burke Engineering, Ltd.

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 | | | \$0.00 |
| Vehicle Owned or Leased | \$32.50/half day (4 hours or less) or \$65/full day | 1300 | \$65.00 | \$84,500.00 |
| 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) | 5000 | \$0.12 | \$600.00 |
| 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) | | | \$0.00 |
| Equipment and/or Specialized Equipment Rental | Actual Cost (Requires 2-3 quotes with IDOT approval) | | | \$0.00 |
| | | | | \$0.00 |
| | | | | \$0.00 |
| | | | | \$0.00 |
| | | | | \$0.00 |
| TOTAL DIRECT COSTS: | | | | \$85,100.00 |

Local Public Agency

Lake County Division of Transportation

County

Lake

Section Number

17-00193-08-PV

Consultant / Subconsultant Name

Christopher B. Burke Engineering, Ltd.

Job Number

COST ESTIMATE WORKSHEET

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

OVERHEAD RATE 131.31%

COMPLEXITY FACTOR 0

| TASK | DIRECT COSTS (not included in row totals) | STAFF HOURS | PAYROLL | OVERHEAD & FRINGE BENEFITS | FIXED FEE | SERVICES BY OTHERS | TOTAL | % OF GRAND TOTAL |
|------------------------------------|---|-------------|---------|-------------------------------|-----------|-----------------------|-------------|---------------------|
| Preconstruction Services | | 100 | 6,054 | 7,950 | 1,998 | | 16,002 | 0.77% |
| Shop Drawing/Submittal Review | | 100 | 6,054 | 7,950 | 1,998 | | 16,002 | 0.77% |
| 2024 Construction Observation | | 5300 | 281,581 | 369,744 | 92,922 | | 744,247 | 35.68% |
| 2024 Construction Documentation | | 450 | 22,749 | 29,872 | 7,507 | | 60,128 | 2.88% |
| Winter Shutdown | | 840 | 43,158 | 56,671 | 14,242 | | 114,071 | 5.47% |
| 2025 Construction Observation | | 4400 | 234,932 | 308,489 | 77,527 | | 620,948 | 29.77% |
| 2025 Construction Documentation | | 840 | 43,158 | 56,671 | 14,242 | | 114,071 | 5.47% |
| Materials QA Testing (MSL) | | | - | - | - | 50,013 | 50,013 | 2.40% |
| Post Construction/Project Closeout | | 600 | 31,129 | 40,876 | 10,273 | | 82,278 | 3.94% |
| Record Drawings | | 60 | 3,113 | 4,088 | 1,027 | | 8,228 | 0.39% |
| Erosion Control Inspection | | 200 | 12,462 | 16,363 | 4,112 | | 32,937 | 1.58% |
| Public Outreach (Metro Strategies) | | | - | - | - | 52,446 | 52,446 | 2.51% |
| Utility Coordination (HBK Eng.) | | | - | - | - | 83,118 | 83,118 | 3.98% |
| | | | - | - | - | | - | |
| | | | - | - | - | | - | |
| | | | - | - | - | | - | |
| | | | - | - | - | | - | |
| | | | - | - | - | | - | |
| | | | - | - | - | | - | |
| | | | - | - | - | | - | |
| | | | - | - | - | | - | |
| | | | - | - | - | | - | |
| | | | - | - | - | | - | |
| | | | - | - | - | | - | |
| | | | - | - | - | | - | |
| | | | - | - | - | | - | |
| | | | - | - | - | | - | |
| | | | - | - | - | | - | |
| | | | - | - | - | | - | |
| | | | - | - | - | | - | |
| | | | - | - | - | | - | |
| | | | - | - | - | | - | |
| Subconsultant DL | | | | | | | \$6,467.40 | 0.31% |
| Direct Costs Total ==> | \$0.00 | | | | | | \$85,100.00 | 4.08% |
| TOTALS | | 12890 | 684,390 | 898,674 | 225,848 | 185,577 | 2,086,056 | 100.00% |

1,583,064

BLR 05514 (Rev. 02/09/23)
COST EST

Local Public Agency

Lake County Division of Transportation

County

Lake

Section Number

17-00193-08-PV

Consultant / Subconsultant Name

Christopher B. Burke Engineering, Ltd.

Job Number

AVERAGE HOURLY PROJECT RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

SHEET 1 OF 2

| PAYROLL CLASSIFICATION | AVG HOURLY RATES | TOTAL PROJ. RATES | | | Preconstruction Services | | | Shop Drawing/Submittal Review | | | 2024 Construction Observation | | | 2024 Construction Documentation | | | Winter Shutdown | | |
|-----------------------------|------------------------|-------------------|------------|-------------|--------------------------|------------|-------------|----------------------------------|------------|-------------|----------------------------------|------------|-------------|------------------------------------|------------|-------------|-----------------|------------|-------------|
| | | 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 | 86.00 | 0.0 | | | | | | | | | | | | | | | | | |
| Engineer V | 73.19 | 4,560.0 | 35.38% | 25.89 | 50 | 50.00% | 36.59 | 50 | 50.00% | 36.59 | 1940 | 36.60% | 26.79 | 100 | 22.22% | 16.26 | 200 | 23.81% | 17.43 |
| Engineer IV | 60.04 | 0.0 | | | | | | | | | | | | | | | | | |
| Engineer III | 47.90 | 4,290.0 | 33.28% | 15.94 | 50 | 50.00% | 23.95 | 50 | 50.00% | 23.95 | 1760 | 33.21% | 15.91 | 250 | 55.56% | 26.61 | 480 | 57.14% | 27.37 |
| Engineer I/II | 34.56 | 3,840.0 | 29.79% | 10.30 | | | | | | | 1600 | 30.19% | 10.43 | 100 | 22.22% | 7.68 | 160 | 19.05% | 6.58 |
| Survey V | 84.23 | 0.0 | | | | | | | | | | | | | | | | | |
| Survey IV | 76.11 | 0.0 | | | | | | | | | | | | | | | | | |
| Survey III | 66.60 | 0.0 | | | | | | | | | | | | | | | | | |
| Survey II | 54.51 | 0.0 | | | | | | | | | | | | | | | | | |
| Survey I | 38.63 | 0.0 | | | | | | | | | | | | | | | | | |
| Engineering Technician V | 72.17 | 0.0 | | | | | | | | | | | | | | | | | |
| Engineering Technician IV | 63.57 | 0.0 | | | | | | | | | | | | | | | | | |
| Engineering Technician III | 39.34 | 0.0 | | | | | | | | | | | | | | | | | |
| Engineering Technician I/II | 24.00 | 0.0 | | | | | | | | | | | | | | | | | |
| CAD Manager | 70.79 | 0.0 | | | | | | | | | | | | | | | | | |
| CAD Technician II | 53.29 | 0.0 | | | | | | | | | | | | | | | | | |
| GIS Specialist III | 57.60 | 0.0 | | | | | | | | | | | | | | | | | |
| Landscape Architect | 64.80 | 0.0 | | | | | | | | | | | | | | | | | |
| Landscape Designer I/II | 37.54 | 0.0 | | | | | | | | | | | | | | | | | |
| Environmental Resource S | 75.80 | 0.0 | | | | | | | | | | | | | | | | | |
| Environmental Resource S | 62.31 | 200.0 | 1.55% | 0.97 | | | | | | | | | | | | | | | |
| Environmental Resource S | 52.71 | 0.0 | | | | | | | | | | | | | | | | | |
| Environmental Resource S | 29.96 | 0.0 | | | | | | | | | | | | | | | | | |
| Environmental Resource T | 45.25 | 0.0 | | | | | | | | | | | | | | | | | |
| Engineering Intern | 19.20 | 0.0 | | | | | | | | | | | | | | | | | |
| | | 0.0 | | | | | | | | | | | | | | | | | |
| | | 0.0 | | | | | | | | | | | | | | | | | |
| TOTALS | | 12890.0 | 100% | \$53.09 | 100.0 | 100.00% | \$60.54 | 100.0 | 100% | \$60.54 | 5300.0 | 100% | \$53.13 | 450.0 | 100% | \$50.55 | 840.0 | 100% | \$51.38 |

Local Public Agency

Lake County Division of Transportation

County

Lake

Section Number

17-00193-08-PV

Consultant / Subconsultant Name

Christopher B. Burke Engineering, Ltd.

Job Number**AVERAGE HOURLY PROJECT RATES****EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET**SHEET 2 OF 2

| PAYROLL CLASSIFICATION | AVG HOURLY RATES | 2025 Construction Observation | | | 2025 Construction Documentation | | | Materials QA Testing (MSL) | | | Post Construction/Project Closeout | | | Record Drawings | | | Erosion Control Inspection | | |
|-----------------------------|------------------------|----------------------------------|------------|-------------|------------------------------------|------------|-------------|----------------------------|------------|-------------|---------------------------------------|------------|-------------|-----------------|------------|-------------|----------------------------|------------|-------------|
| | | 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 | 86.00 | | | | | | | | | | | | | | | | | | |
| Engineer V | 73.19 | 1800 | 40.91% | 29.94 | 200 | 23.81% | 17.43 | | | | 200 | 33.33% | 24.40 | 20 | 33.33% | 24.40 | | | |
| Engineer IV | 60.04 | | | | | | | | | | | | | | | | | | |
| Engineer III | 47.90 | 1000 | 22.73% | 10.89 | 480 | 57.14% | 27.37 | | | | 200 | 33.33% | 15.97 | 20 | 33.33% | 15.97 | | | |
| Engineer I/II | 34.56 | 1600 | 36.36% | 12.57 | 160 | 19.05% | 6.58 | | | | 200 | 33.33% | 11.52 | 20 | 33.33% | 11.52 | | | |
| Survey V | 84.23 | | | | | | | | | | | | | | | | | | |
| Survey IV | 76.11 | | | | | | | | | | | | | | | | | | |
| Survey III | 66.60 | | | | | | | | | | | | | | | | | | |
| Survey II | 54.51 | | | | | | | | | | | | | | | | | | |
| Survey I | 38.63 | | | | | | | | | | | | | | | | | | |
| Engineering Technician V | 72.17 | | | | | | | | | | | | | | | | | | |
| Engineering Technician IV | 63.57 | | | | | | | | | | | | | | | | | | |
| Engineering Technician III | 39.34 | | | | | | | | | | | | | | | | | | |
| Engineering Technician I/II | 24.00 | | | | | | | | | | | | | | | | | | |
| CAD Manager | 70.79 | | | | | | | | | | | | | | | | | | |
| CAD Technician II | 53.29 | | | | | | | | | | | | | | | | | | |
| GIS Specialist III | 57.60 | | | | | | | | | | | | | | | | | | |
| Landscape Architect | 64.80 | | | | | | | | | | | | | | | | | | |
| Landscape Designer I/II | 37.54 | | | | | | | | | | | | | | | | | | |
| Environmental Resource Spe | 75.80 | | | | | | | | | | | | | | | | | | |
| Environmental Resource Spe | 62.31 | | | | | | | | | | | | | | | | 200 | 100.00% | 62.31 |
| Environmental Resource Spe | 52.71 | | | | | | | | | | | | | | | | | | |
| Environmental Resource Spe | 29.96 | | | | | | | | | | | | | | | | | | |
| Environmental Resource Tec | 45.25 | | | | | | | | | | | | | | | | | | |
| Engineering Item | 19.20 | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| TOTALS | | 4400.0 | 100% | \$53.39 | 840.0 | 100% | \$51.38 | 0.0 | 0% | \$0.00 | 600.0 | 100% | \$51.88 | 60.0 | 100% | \$51.88 | 200.0 | 100% | \$62.31 |

Local Public Agency

Lake County Division of Transportation

County

Lake

Section Number

17-00193-08-PV

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 2

| PAYROLL CLASSIFICATION | AVG HOURLY RATES | Public Outreach (Metro Strategies) | | | Utility Coordination (HBK Eng.) | | | | | | | | | | | | | | |
|-----------------------------|------------------------|---------------------------------------|------------|-------------|------------------------------------|------------|-------------|-------|------------|-------------|-------|------------|-------------|-------|------------|-------------|-------|------------|-------------|
| | | 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 | 86.00 | | | | | | | | | | | | | | | | | | |
| Engineer V | 73.19 | | | | | | | | | | | | | | | | | | |
| Engineer IV | 60.04 | | | | | | | | | | | | | | | | | | |
| Engineer III | 47.90 | | | | | | | | | | | | | | | | | | |
| Engineer I/II | 34.56 | | | | | | | | | | | | | | | | | | |
| Survey V | 84.23 | | | | | | | | | | | | | | | | | | |
| Survey IV | 76.11 | | | | | | | | | | | | | | | | | | |
| Survey III | 66.60 | | | | | | | | | | | | | | | | | | |
| Survey II | 54.51 | | | | | | | | | | | | | | | | | | |
| Survey I | 38.63 | | | | | | | | | | | | | | | | | | |
| Engineering Technician V | 72.17 | | | | | | | | | | | | | | | | | | |
| Engineering Technician IV | 63.57 | | | | | | | | | | | | | | | | | | |
| Engineering Technician III | 39.34 | | | | | | | | | | | | | | | | | | |
| Engineering Technician I/II | 24.00 | | | | | | | | | | | | | | | | | | |
| CAD Manager | 70.79 | | | | | | | | | | | | | | | | | | |
| CAD Technician II | 53.29 | | | | | | | | | | | | | | | | | | |
| GIS Specialist III | 57.60 | | | | | | | | | | | | | | | | | | |
| Landscape Architect | 64.80 | | | | | | | | | | | | | | | | | | |
| Landscape Designer I/II | 37.54 | | | | | | | | | | | | | | | | | | |
| Environmental Resource Spe | 75.80 | | | | | | | | | | | | | | | | | | |
| Environmental Resource Spe | 62.31 | | | | | | | | | | | | | | | | | | |
| Environmental Resource Spe | 52.71 | | | | | | | | | | | | | | | | | | |
| Environmental Resource Spe | 29.96 | | | | | | | | | | | | | | | | | | |
| Environmental Resource Tec | 45.25 | | | | | | | | | | | | | | | | | | |
| Engineering Itern | 19.20 | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| 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 |

9575 W. Higgins Rd.
Rosemont, IL 60018
February 27, 2017

| Code | Description | Price | Per |
|--------|---|------------|------------|
| 111 | 8.5x11 RIP'd Color laser copies, Fiery's | \$ 0.60 | per side |
| 117 | 11x17 RIP'd Color laser copies, Fiery's | \$ 0.70 | per side |
| 151 | Premium color poster | \$ 4.00 | sqft |
| 155 | Operator required-processing charge | \$ 25.00 | quarter hr |
| 157 | Color scan to pdf | \$ 1.40 | sqft |
| 400 | 8.5x11 B/W impressions | \$ 0.07 | page |
| 400W | 8.5x11 B/W impressions (Walk Up) | \$ 0.07 | page |
| 403 | 8.5x11 Color paper stock | \$ 0.10 | sheet |
| 404 | 8.5x11 Card Stock | \$ 0.12 | sheet |
| 405 | 8.5x11 Sticky Back | \$ 1.00 | sheet |
| 409 | Clear 4 mil mylar cover | \$ 0.50 | sheet |
| 413 | 8.5x11 Monochrome scan | \$ 0.075 | side |
| 413-1 | 11x17 Monochrome scan | \$ 0.075 | side |
| 414 | 8.5x14 B/W impression | \$ 0.12 | sheet |
| 417 | 11x17 B/W Impression | \$ 0.12 | page |
| 417W | 11x17 B/W Impression(Walk Up) | \$ 0.09 | page |
| 418 | 11x17 Card Stock | \$ 0.19 | sheet |
| 419 | 11x17 Colored paper | \$ 0.16 | sheet |
| 420 | 1/4 Plastic comb binding | \$ 1.40 | each |
| 421 | 3/8 Plastic comb binding | \$ 1.60 | each |
| 422 | 1/2 Plastic comb binding | \$ 2.40 | each |
| 423 | 5/8 Plastic comb binding | \$ 2.50 | each |
| 424 | 3/4 Plastic comb binding | \$ 2.75 | each |
| 425 | 7/8 Plastic comb binding | \$ 2.90 | each |
| 426 | 1" Plastic comb binding | \$ 3.05 | each |
| 427 | 1-1/8" Plastic comb binding | \$ 3.55 | each |
| 428 | 1-1/4" Plastic comb binding | \$ 3.85 | each |
| 429 | 1-1/2 Plastic comb binding | \$ 4.00 | each |
| 430 | 1-3/4 Plastic comb binding | \$ 4.50 | each |
| 431 | 2" Plastic comb binding | \$ 4.70 | each |
| 438 | Stapling | \$ 0.05 | set |
| 444-1 | Plastic jackets | \$ 1.25 | each |
| 444 | Misc. Charges | \$ 1.25 | each |
| 455 | Imaging on tabs | \$ 0.15 | impression |
| 456 | Tab card stock | \$ 0.75 | sheet |
| 470 | Handwork | \$ 45.00 | hour |
| 472 | Fan folding 11x17 to 8.5x11 | \$ 0.03 | sheet |
| 473 | Inserting | \$ 0.04 | sheet |
| 474 | Drilling-Standard 2 or 3 holes | \$ 2.50 | 500 sheets |
| 502 | 8.5x11 small format color scan | \$ 0.075 | per side |
| 502-1 | 11x17 Small format color scan | \$ 0.075 | per side |
| 580 | Mounting on 3/16 foamcore | \$ 3.45 | sqft |
| 73 | overtime | \$ 50.00 | hour |
| 777777 | Paper per case or package 8.5x11, 8.5x14, 11x17 | Subject to | change |
| 800 | Digital bond prints/plots | \$ 0.18 | sqft |
| 800h | Half size bond prints/plots | \$ 0.18 | sqft |
| 802 | Scan Setup | \$ 2.00 | sheet |
| 822 | Scan to file | \$ 2.00 | sheet |
| 850 | Large document velium prints | \$ 0.40 | sqft |
| 872 | Folding | \$ 0.05 | sqft |
| 870 | Handwork | \$ 45.00 | hour |
| 885 | Mylar reproduction | \$ 1.75 | sqft |
| 900 | Digital bond prints/plots | \$ 0.18 | sqft |
| 900h | Half size bond prints/plots | \$ 0.18 | sqft |
| 905 | Color inkjet plots | \$ 4.00 | sqft |
| 905-0 | EGG (Engineering Grade) plots | \$ 1.35 | sqft |
| 905-2 | EGG Scans | \$ 6.00 | sheet |
| 910 | Mylar prints/plots | \$ 1.75 | sqft |
| 924 | Burn a CD | \$ 12.00 | each |
| 925 | File conversion processing | \$ 0.75 | sheet |
| 950 | Velium Plots | \$ 1.25 | sqft |

NEW CODE



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

June 12, 2023

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

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

Dear Michael Kerr,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2021. Your firm's total annual transportation fee capacity will be \$72,800,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 131.31% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Bureau of Investigations and Compliance in a pre-award audit. Pursuant to 23 CFR 172.11(d), we are providing notification that we will post your company's indirect cost rate to the Federal Highway Administration's Audit Exchange where it may be viewed by auditors from other State Highway Agencies.

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

Your firm is prequalified until December 31, 2022. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

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

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

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

BURKE, CHRISTOPHER B. ENG., LTD.

Welcome to the Illinois Department of Transportation Consultant Engineering Prequalification and Agreement System (EPAS). All firms that desire to be prequalified with IDOT must submit via the SEFC Application. All firms that desire to be considered for the Professional Transportation Bulletin Items must submit Statements of Interest through the SOI Application. The required data has not changed for prequalification or Statements of Interest. All Prequalification and Statements of Interest are paperless.

SEFC Applications

Your renew SEFC is due by 6/30/2023. Failure to submit your renew SEFC by 6/30/2023 will result in loss of your preq

| App Id | Date Submitted | Fiscal Year Ending Date | Type | Overhead % | Status |
|---------------------------------|----------------|-------------------------|-----------|------------|-----------|
| SEFC ID : 10013 | 06/29/2023 | 12/31/2022 | RenewSEFC | 136.37 | SUBMITTED |
| SEFC ID : 9939 | 06/06/2023 | 12/31/2021 | AmendSEFC | 131.31 | APPROVED |
| SEFC ID : 9239 | 07/08/2022 | 12/31/2021 | NewSEFC | 131.31 | APPROVED |
| SEFC ID : 9185 | 05/24/2022 | 12/31/2020 | AmendSEFC | 126.53 | APPROVED |



| | | |
|--|--------------------|-----------------------|
| Local Public Agency | County | Section Number |
| Lake County | Lake County | |
| Prime Consultant (Firm) Name | Prepared By | Date |
| Christopher Burke Engineering, Ltd. | Tammy Wierciak | 8/25/2023 |
| Consultant / Subconsultant Name | Job Number | |
| Metro Strategies Group | | |

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

Remarks

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PAYROLL ESCALATION TABLE

| | | | | |
|----------------------|------------|---------------|--------------------------|---------|
| CONTRACT TERM | 24 | MONTHS | OVERHEAD RATE | 120.00% |
| START DATE | 12/1/2023 | | COMPLEXITY FACTOR | |
| RAISE DATE | 12/1/2024 | | % OF RAISE | 2.00% |
| END DATE | 11/30/2025 | | | |

ESCALATION PER YEAR

| Year | First Date | Last Date | Months | % of Contract |
|------|------------|-----------|--------|---------------|
| 0 | 12/1/2023 | 12/1/2024 | 12 | 50.00% |
| 1 | 12/2/2024 | 12/1/2025 | 12 | 51.00% |

Lake County

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| Lake County |
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Metro Strategies Group

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

86.00

1.00%

[illegible]

Local Public Agency

Lake County

County

Lake County

Section Number**Consultant / Subconsultant Name**

Metro Strategies Group

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 | | | \$0.00 |
| 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 | | | \$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) | 1 | \$5,500.00 | \$5,500.00 |
| 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) | 1 | \$1,120.00 | \$1,120.00 |
| Advertisements | Actual Cost (Submit supporting documentation) | | | \$0.00 |
| Public Meeting Facility Rental | Actual Cost (Submit supporting documentation) | 1 | \$500.00 | \$500.00 |
| Public Meeting Exhibits/Renderings & Equipment | Actual Cost (Submit supporting documentation) | 1 | \$1,000.00 | \$1,000.00 |
| 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) | | | \$0.00 |
| Equipment and/or Specialized Equipment Rental | Actual Cost (Requires 2-3 quotes with IDOT approval) | | | \$0.00 |
| Web Formats (Constant Contact) | Actual Cost | 1 | \$1,000.00 | \$1,000.00 |
| | | | | \$0.00 |
| | | | | \$0.00 |
| | | | | \$0.00 |
| TOTAL DIRECT COSTS: | | | | \$9,120.00 |

Lake County

Lake County

Metro Strategies Group

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EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

| | |
|---------------|---------|
| OVERHEAD RATE | 120.00% |
|---------------|---------|

COMPLEXITY FACTOR 0

| TASK | DIRECT COSTS (not included in row totals) | STAFF HOURS | PAYROLL | OVERHEAD & FRINGE BENEFITS | FIXED FEE | SERVICES BY OTHERS | TOTAL | % OF GRAND TOTAL |
|------------------------|--|-------------|---------|----------------------------|-----------|--------------------|------------|------------------|
| Public Involvement | 9,120 | 347 | 17,125 | 20,550 | 5,651 | | 43,326 | 82.61% |
| | | | - | - | - | | - | |
| | | | - | - | - | | - | |
| | | | - | - | - | | - | |
| | | | - | - | - | | - | |
| | | | - | - | - | | - | |
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| | | | - | - | - | | - | |
| | | | - | - | - | | - | |
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| | | | - | - | - | | - | |
| | | | - | - | - | | - | |
| | | | - | - | - | | - | |
| Subconsultant DL | | | | | | | \$0.00 | |
| Direct Costs Total ==> | \$9,120.00 | | | | | | \$9,120.00 | 17.39% |
| TOTALS | | 347 | 17,125 | 20,550 | 5,651 | - | 52,446 | 100.00% |

37,675

BLR 05514 (Rev. 02/09/23)
COST EST

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|-------------|
| Lake County |
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Lake County

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| Metro Strategies Group |
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SHEET 1 **OF** 1



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

August 12, 2022

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Seema Wadia
Metro Strategies Group, LLC
1901 Butterfield Rd
Suite 260
Downers Grove, IL 60515

Dear Seema Wadia,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2021. Your firm's total annual transportation fee capacity will be \$1,000,000.

Based on your request for an overhead rate letter, please use the provisional rate letter issued from our Bureau of Investigations and Compliance. Pursuant to 23 CFR 172.11(d), we are providing notification that we will post your company's indirect cost rate to the Federal Highway Administration's Audit Exchange where it may be viewed by auditors from other State Highway Agencies.

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

Your firm is prequalified until December 31, 2022. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

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

SEFC PREQUALIFICATIONS FOR Metro Strategies Group, LLC

| CATEGORY | STATUS |
|---------------------------------------|--------|
| Special Services - Public Involvement | X |

| | |
|---|--|
| X | PREQUALIFIED |
| A | NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS. |
| S | PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST |



Illinois Department of Transportation

Office of Finance and Administration / Bureau of Investigations and Compliance
2300 South Dirksen Parkway / Springfield, Illinois 62764

November 4, 2021

Seema Wadia
Metro Strategies Group, LLC
1901 Butterfield Rd.
Suite 260
Downers Grove, IL 60515

Dear Seema Wadia:

Based on your request for an overhead rate letter we are providing you with the provisional rate of 120% for fiscal year ending 12/31/2020.

This rate may be used by your firm for billing purposes through 6/30/22. This rate is provisional and may be subject to audit. Next year you will be required to submit an actual overhead rate. At that time, please go to IDOT's "Doing Business" site and submit your information through the Consultant Prequalification process.

If you need assistance in developing your rate, please do not hesitate to contact our office for guidance. This approval letter does **not** constitute pre-qualification by the Illinois Department of Transportation.

Sincerely,

A handwritten signature in cursive script that reads "Lauren Schone".

Lauren Schone
External Audit Unit Supervisor

LS

cc:
407-24 File
SEFC Database



Engineering Prequalification and Agreement System

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Administration](#)

[News](#)

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Metro Strategies Group, LLC

Welcome to the Illinois Department of Transportation Consultant Engineering Prequalification and Agreement System (EPAS). All firms that desire to be prequalified with IDOT must submit via the SEFC Application. All firms that desire to be considered for the Professional Transportation Bulletin Items must submit Statements of Interest through the SOI Application. The required data has not changed for prequalification or Statements of Interest. All Prequalification and Statements of Interest are paperless.

SEFC Applications

| App Id | Date Submitted | Fiscal Year Ending Date | Type | Overhead % | Status | Category/Comments | Additional Info | Approval Letter |
|---------------------------------|----------------|-------------------------|-----------|------------|-----------|----------------------|----------------------|---------------------------------|
| SEFC ID : 11139 | 06/30/2023 | 12/31/2022 | NewSEFC | 116.68 | SUBMITTED | View | View | |
| SEFC ID : 9429 | 06/29/2022 | 12/31/2021 | RenewSEFC | 120.00 | APPROVED | View | View | Approval Letter |
| SEFC ID : 8904 | 02/10/2022 | 12/31/2020 | AmendSEFC | 120.00 | APPROVED | View | View | Approval Letter |
| SEFC ID : 8730 | 10/01/2021 | 12/31/2020 | NewSEFC | 120.00 | APPROVED | View | View | Approval Letter |



| | | |
|---|---------------------------------|---|
| Local Public Agency Lake County Department of Transportation | County Lake County | Section Number 17-00193-08-PV |
| Prime Consultant (Firm) Name Christopher B. Burke Engineering, Ltd. | Prepared By Dan Zeman | Date 8/24/2023 |
| Consultant / Subconsultant Name HBK Engineering LLC | 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 | 24 | MONTHS | OVERHEAD RATE | 117.52% |
| START DATE | 12/1/2023 | | COMPLEXITY FACTOR | 0 |
| RAISE DATE | 1/1/2024 | | % OF RAISE | 2.00% |
| END DATE | 11/30/2025 | | | |

ESCALATION PER YEAR

| Year | First Date | Last Date | Months | % of Contract |
|------|------------|-----------|--------|---------------|
| 0 | 12/1/2023 | 1/1/2024 | 1 | 4.17% |
| 1 | 1/2/2024 | 1/1/2025 | 12 | 51.00% |
| 2 | 1/2/2025 | 12/1/2025 | 11 | 47.69% |

Lake County Department of Transportation

Lake County

17-00193-08-PV

HBK Engineering LLC

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|--|---------------|-----------------------|
| Local Public Agency | County | Section Number |
| Lake County Department of Transportation | Lake County | 17-00193-08-PV |
| Consultant / Subconsultant Name | | Job Number |
| HBK Engineering LLC | | |

SUBCONSULTANTS

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

[illegible]

NOTE: Only subconsultants who fill out a cost estimate that splits out direct labor may be listed on this sheet.

Local Public Agency

Lake County Department of Transportation

County

Lake County

Section Number

17-00193-08-PV

Consultant / Subconsultant Name

HBK Engineering LLC

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 | | | \$0.00 |
| Vehicle Owned or Leased | \$32.50/half day (4 hours or less) or \$65/full day | 20 | \$65.00 | \$1,300.00 |
| 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 | | | \$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) | | | \$0.00 |
| Equipment and/or Specialized Equipment Rental | Actual Cost (Requires 2-3 quotes with IDOT approval) | | | \$0.00 |
| | | | | \$0.00 |
| | | | | \$0.00 |
| | | | | \$0.00 |
| | | | | \$0.00 |
| TOTAL DIRECT COSTS: | | | | \$1,300.00 |

Lake County Department of Transportation

HBK Engineering LLC

Lake County

17-00193-08-PV

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EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

| | |
|----------------------|----------------|
| OVERHEAD RATE | 117.52% |
|----------------------|----------------|

COMPLEXITY FACTOR 0

71,146

BLR 05514 (Rev. 02/09/23)
COST EST



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

August 30, 2023

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Bethany Turk
HBK ENGINEERING, LLC.
2101 W. Carroll Ave.
Chicago, IL 60612

Dear Bethany Turk,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2021. Your firm's total annual transportation fee capacity will be \$20,800,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 117.52% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Bureau of Investigations and Compliance in a pre-award audit. Pursuant to 23 CFR 172.11(d), we are providing notification that we will post your company's indirect cost rate to the Federal Highway Administration's Audit Exchange where it may be viewed by auditors from other State Highway Agencies.

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

Your firm is prequalified until December 31, 2022. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

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

SEFC PREQUALIFICATIONS FOR HBK ENGINEERING, LLC.

| CATEGORY | STATUS |
|---|--------|
| Hydraulic Reports - Pump Stations | A |
| Hydraulic Reports - Waterways: Complex | A |
| Hydraulic Reports - Waterways: Typical | X |
| Location Design Studies - New Construction/Major Reconstruction | A |
| Special Studies- Location Drainage | A |
| Location Design Studies - Reconstruction/Major Rehabilitation | X |
| Special Services - Subsurface Utility Engineering | X |
| Special Services - Surveying | X |
| Structures - Highway: Simple | X |
| Airports - Design | X |
| Special Services - Construction Inspection | X |
| Highways - Roads and Streets | X |

| | |
|---|--|
| X | PREQUALIFIED |
| A | NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS. |
| S | PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST |



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

| | | |
|---|--------------------|-----------------------|
| Local Public Agency | County | Section Number |
| Lake County Division of Transportation | Lake County | 17-00193-08-PV |
| Prime Consultant (Firm) Name | Prepared By | Date |
| Christopher B. Burke Engineering, Ltd. | Daniel Tiltges | 8/23/2023 |
| Consultant / Subconsultant Name | Job Number | |
| Material Solutions Laboratory Corporation | | |

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

Remarks

| |
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| |
|--|

PAYROLL ESCALATION TABLE

| | | | | |
|---------------|-------------|--------|-------------------|---------|
| CONTRACT TERM | 24 | MONTHS | OVERHEAD RATE | 176.46% |
| START DATE | 12/1/2023 | | COMPLEXITY FACTOR | 0 |
| RAISE DATE | ANNIVERSARY | | % OF RAISE | 2.00% |

ESCALATION PER YEAR

DETERMINE THE MID POINT OF THE AGREEMENT

12

CALCULATE THE ESCALATION FACTOR TO THE MIDPOINT OF THE CONTRACT

| |
|-------|
| 2.00% |
|-------|

The total escalation for this project would be: 2.00%

Lake County Division of Transportation

Lake County

17-00193-08-PV

Material Solutions Laboratory Corporation

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

| | |
|-------------------|-------|
| ESCALATION FACTOR | 2.00% |
|-------------------|-------|

[illegible]

| | | |
|---|---------------|-----------------------|
| Local Public Agency | County | Section Number |
| Lake County Division of Transportation | Lake County | 17-00193-08-PV |
| Consultant / Subconsultant Name | | Job Number |
| Material Solutions Laboratory Corporation | | |

SUBCONSULTANTS

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

[illegible]

NOTE: Only subconsultants who fill out a cost estimate that splits out direct labor may be listed on this sheet.

Local Public Agency

Lake County Division of Transportation

County

Lake County

Section Number

17-00193-08-PV

Consultant / Subconsultant Name

Material Solutions Laboratory Corporation

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 ANNIVERSARY RAISE

| 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 | | | \$0.00 |
| Vehicle Owned or Leased | \$32.50/half day (4 hours or less) or \$65/full day | 34 | \$65.00 | \$2,210.00 |
| 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 | | | \$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) | | | \$0.00 |
| Equipment and/or Specialized Equipment Rental | Actual Cost (Requires 2-3 quotes with IDOT approval) | | | \$0.00 |
| Standard Proctor (AASHTO T99) | | 5 | \$230.00 | \$1,150.00 |
| Aggregate Gradation | | 5 | \$145.00 | \$725.00 |
| | | | | \$0.00 |
| | | | | \$0.00 |
| TOTAL DIRECT COSTS: | | | | \$4,085.00 |

Lake County Division of Transportation

| |
|-------------|
| Lake County |
|-------------|

17-00193-08-PV

Material Solutions Laboratory Corporation

SHEET 1 OF 1



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

July 25, 2023

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Daniel Tiltges
MATERIAL SOLUTIONS LABORATORY CORP.
1040 Bonaventure Drive
Elk Grove Village, IL 60007

Dear Daniel Tiltges,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2021. Your firm's total annual transportation fee capacity will be \$9,000,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 176.46% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Bureau of Investigations and Compliance in a pre-award audit. Pursuant to 23 CFR 172.11(d), we are providing notification that we will post your company's indirect cost rate to the Federal Highway Administration's Audit Exchange where it may be viewed by auditors from other State Highway Agencies.

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

Your firm is prequalified until December 31, 2022. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

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

**SEFC PREQUALIFICATIONS FOR MATERIAL SOLUTIONS LABORATORY
CORP.**

| CATEGORY | STATUS |
|--|---------------|
| Special Services - Quality Assurance HMA & Aggregate | X |
| Special Services - Quality Assurance PCC & Aggregate | X |
| Special Services - Construction Inspection | X |

| | |
|---|--|
| X | PREQUALIFIED |
| A | NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS. |
| S | PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST |



Regional Engineer

Jose Rios

Department of Transportation

Address

201 W. Center Court

City

Schaumburg

State

IL

Zip Code

60196

Contract Number

District

Letting Date

1

10/10/23

Municipality

County of Lake

Route

CH79

County

Lake

Project Number

Job Number

Section Number

17-00193-08-PV

☐ I recommend the following individual as a local public agency employee qualified to be resident construction supervisor and to be in responsible charge of this construction project.

☒ I certify that I am in responsible charge as defined by the department of this construction project. Since the local public agency does not have a local public agency employee qualified to be the resident construction supervisor, I am recommending a consulting engineer to serve as resident construction supervisor.

Signature (for the local public agency)

Date

9/6/23

Title

Engineer of Construction
LCDOT

Applicants Name

Kevin Wilson, PE

The following describes my educational background, experience and other qualifications to be resident construction supervisor of this construction project for the Local Public Agency.

For Consultants: I certify that my firm is pre-qualified in Construction Inspection. Documentation of Contract Quantities certificate number

21-18290

See attached resume.

Signature of Applicant

Date

8/24/23

Job Title of Applicant

Vice President, Asst. Head, Construction Eng.

Based on the above information and my knowledge of the applicant's experience and training, it is my opinion that the applicant is qualified to serve as the resident construction supervisor on this construction project.

Regional Engineer Signature

Date Approved

9/7/23

County Engineer

On behalf of IDOT pursuant to Agreement
Of Understanding dated May 3, 2018

cc: Engineer of Local Roads and Streets, Central Bureau of Local Roads and Streets
Engineer of Construction, Central Bureau of Construction
Resident Construction Supervisor
Local Public Agency



YEARS EXPERIENCE: 21
YEARS WITH CBBEL: 21

EDUCATION

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

PROFESSIONAL REGISTRATION

Professional Engineer, IL,
062.059552, 2006

CERTIFICATIONS

Documentation of Contract
Quantities, IDOT, 21-18290

Material Management of
Job Sites, IDOT

PROFESSIONAL DEVELOPMENT

IDOT QC/QA Courses:

Mixture Aggregate Technician
Course

Bituminous Concrete Level 1
Technician Course

Bituminous Concrete Level 2
Technician Course

Portland Cement Concrete
Level 1

Troxler Nuclear Gauge Safety
Training Class

STTP-S11 Hot Mix Asphalt
Field Inspection

STTP-S33 Soils Field Testing
and Inspection

TT - ADA/PROWAG

Kevin Wilson, PE

Vice President, Assistant Department Head, Construction Engineering

Civil Engineer with over 20 years of construction engineering experience related to highway construction and utility installations. Responsibilities include construction observation, project reports, documentation of quantities, review of contractor pay estimates, coordination of materials testing and inspection, site surveys and interaction with the contractor and client. Observed activities include roadway, water main, sanitary sewer, storm sewer, streambank stabilization, and retaining wall construction. Civil design experience consists of resurfacing and reconstruction projects which have included water main, storm sewer, sanitary sewer, and combined sewer design.

CONSTRUCTION

FAU Route 3533 (Franklin Avenue Reconstruction) [IDOT Contract #61H14], Franklin Park: Resident Engineer for the \$22 Million reconstruction and widening of Franklin Avenue from a 2 lane roadway to a new 5 lane composite pavement section from 2022 thru 2024. The project scope included staged construction, installation of a new closed sewer system, precast box culvert along north side of the Franklin Avenue, sheet piling, temporary and permanent erosion control, water main installation, traffic signal modernization with three new signalized intersections, new roadway lighting, signing, pavement markings and landscaping improvements. The work required coordination with ComEd to relocate multiple poles and overhead/underground lines, coordination with Canadian Pacific to replace two railroad at grade crossings, and coordination with the Illinois Tollway on adjacent contracts. The project was funded using National Highway Freight Program and Local Funds. The contract was administered by IDOT using CMMS. CBBEL coordinated inspection services with multiple subconsultants throughout the project.

Neighborhood Storage Project - Phase 3, Wilmette: Project Manager responsible for the successful delivery of construction engineering services related to the installation of a 13.9 AC-FT StormTrap Doubletrap Vault (with approximately 47,500 cubic yards of excavation) at Thornwood Park and installation of various utilities and roadway improvements to reduce flooding. The utility improvements included approximately 7,500 linear feet of box culvert and storm sewer (12" to 60" diameter), 2,400 linear feet of 10" sanitary sewer installation, 1,750 linear feet of 6" and 8" water main, and landscaping restoration. Upon completion of the underground utilities, the neighborhood roadways were restored with new PCC curb, sidewalk, and driveways before HMA pavement reconstruction or resurfacing with patching was completed. The engineering team coordinated with various stakeholders throughout the project, including the Wilmette Park District and School District 39.

FAU Route 3533 (Franklin Avenue Advanced Contract) [IDOT Contract #61G76], Franklin Park: Resident Engineer responsible for the construction engineering and observation of the removal and reconstruction of the Silver Creek Box Culvert; two 12x7 box culverts were placed using precast and cast-in-place methods. Additional work under this contract included roadway reconstruction with HMA pavement, guardrail removal and installation, storm sewer, and a concrete retaining wall (using helical soil nails) under the I-294 Bridge over Franklin Avenue. Final completion included pavement markings and landscaping restoration. This project was funded using National Highway Freight Program and Local Funds. The contract was administered by IDOT using CMMS and we utilized HeadLight inspection software to document daily site observations.

Neighborhood Storage Project - Phase 2, Wilmette: Project Manager responsible for the successful delivery of construction engineering services related to the installation of a 10 acre-foot Doubletrap StormTrap underground storage basin with a Pump Station with back-up generator at Hibbard Park. Additional work required to deliver this stormwater storage project included storm sewer ranging in size from 12" diameter to 60" diameter (PVC, DIP and RCP pipes), 19"x30" elliptical RCP storm sewer, installation of 8" water main, installation of 8" sanitary main, and various types of drainage structures required to complete the work. The roadways were restored primarily by resurfacing of existing pavement with spot curb removal and replacement. Hill Street required multiple utility replacements and required pavement reconstruction with full curb and gutter removal and replacement. Additional improvements on this project included sidewalk removal and replacement, park amenities, green infrastructure, pedestrian signal upgrades, and ADA upgrades.

Neighborhood Storage Project - Phase 1, Wilmette: Project Manager responsible for the successful delivery of construction engineering services related to the installation of a 20.2 acre-foot StormTrap stormwater storage and detention facility and additional storm sewer ranging in size from 12" diameter to 60" diameter, and 3'x7' and 5'-6' RCP rectangular box storm sewer. Upon completion of the underground utilities, the neighborhood roadways were restored with new PCC curb, sidewalk, and driveways before HMA pavement resurfacing was completed. The proximity of the project to Highcrest Middle School and within Park District property led to a heightened need for communication and coordination with the various stakeholders. Enhanced community outreach included the use of Constant Contact, a project website, and EarthCam streaming video.

North Shore Avenue Sewer Separation, Lincolnwood: Resident Engineer responsible for the construction engineering and observation of storm sewer installation ranging in size from 12" to 60"; the purpose was to install a large diameter storm sewer system in a combined sewer area to reduce flooding and resident sewer backups. The project included a 60" storm sewer outfall to North Shore Channel; 256 feet of 60" storm sewer jacked in place under McCormick Boulevard; HMA pavement removal and replacement; and removal and replacement of PCC curb, sidewalk, and driveways. The project was funded by an MWRD grant and local funds.

Transmission Main Project, Lincolnwood: Engineering Manager and Resident Engineer (2019) responsible for the construction engineering and observation of the installation of approximately 14,000 lineal feet of 20" ductile iron water main, 4,000 lineal feet of 8" water main, and 387 lineal feet of horizontal directional drilling of 24" HDPE water main. The purpose of the project was to connect to a new water source in the City of Evanston and discontinue purchasing water from City of Chicago. Additional improvements to complete the project included storm sewer repairs; cured-in-place pipe liner; pavement patching and resurfacing; miscellaneous curb, sidewalk, and driveway repairs; landscaping; and mechanical improvements at the Village reservoir. Coordination was required with the City of Evanston, Village of Skokie, CTA, MWRD, and other various stakeholders.

Sherman Avenue Improvements, Evanston: Resident Engineer for Sherman Ave Improvements from Church St to Davis St. This streetscape project included ductile iron water main replacement, replacement of brick paver sidewalk with concrete sidewalks and brick ribbon, curb replacement, roadway resurfacing, roadway and decorative lighting replacements in Downtown Evanston. Responsibilities included construction observation, material inspection, public relations with business owners and residents, and contract documentation.

FAU Route 2853 (Chicago Avenue/Sheridan Road) [IDOT Contract #61D36], Evanston: Resident Engineer for construction of Chicago Ave through downtown Evanston and Sheridan Rd through the Northwestern University Campus to the Wilmette Village limit. Net length of improvements was 1.87 miles; Chicago Ave included HMA resurfacing, Sheridan Rd included 3 to 4 lanes of PCC reconstruction with new protected bike lanes. New items related to protected bike lane included bicycle traffic signals and radar detection. Additional work included new traffic signals, ADA improvements, water main replacement, and landscaping. Project was on an accelerated schedule in order to accommodate Northwestern University school calendar and was funded with Federal, ITEP, and Local funds.

Twin Lakes Subdivision Sidewalk Improvements, Villa Park: Resident Engineer for construction of a new sidewalk in a subdivision with an existing rural ditch typical section. Sidewalk construction included approx. 74,000 SF of new PCC Sidewalk with ADA accessible crossings. Additional improvements included installation of pipe culverts, driveway replacements, and ditch regrading to accommodate new drainage patterns. A retaining wall was installed adjacent to the sidewalk in front of Target due to ROW space restrictions. Project was funded with Federal and Local Funds.

2016 Road Program, Wilmette: Resident Engineer responsible for construction engineering and observation for resurfacing or rehabilitation of 5,050 LF of roadways throughout the Village. Roadway construction included approx. 14,000 SY of HMA partial depth resurfacing, and approx. 1,300 SY of brick pavement reusing existing brick pavers. Additional improvements included reconstruction of sidewalks, curb and gutter, and additional drainage improvements as necessary. Project was funded with MFT and Local Funds.

FAP Route 326 (IL 47), IDOT, Yorkville: Providing Phase III assistance to IDOT Resident Engineer and Inspectors from 2012-2015. Serving as Assistant Resident Engineer responsible for construction documentation and observation; managed CBBEL and subconsultant staff that assisted with documentation and observation. Project included 5.04 km of pavement reconstruction, lane additions, storm sewer, traffic signals, and other work along IL Route 47 from just north of IL Route 71 continuing northerly to just north of US Route 34.

ADA Ramp Program, CDOT: Resident Engineer responsible for construction engineering and observation of replacement of previously constructed ADA ramp locations not meeting CDOT ADA requirements. Far South Area included 12 ramp locations and South Area included 40 locations. CDOT QC/QA requirements for ADA ramp replacements were followed. Engineering responsibilities included submittal review, daily observation, measurement of quantities, pay estimates, coordination of material inspection, and documentation on CDOT's online web system.

Book Road LAPP Resurfacing, Naperville: Resident Engineer responsible for construction engineering and observation for resurfacing of Book Rd from 111th St to 87th St Roadway construction included 3.07 miles of partial-depth asphalt pavement. Resurfacing required approx. 2,700 tons of Polymer HMA N50 Leveling Binder and 6,300 tons of Polymer HMA N90 Surface Course "F" Mix. Additional roadway improvements included curb and gutter spot repairs, utility structure adjustments, and thermoplastic pavement markings. Sidewalk improvements were completed where necessary, including new sidewalk ramps meeting ADA standards at all roadway crossings within the project limits.

Road and Relief Sewer Project, Wilmette: Project Engineer and Resident Engineer responsible for construction engineering and observation including: verifying that contractor was in conformance with plans and specifications, preparing pay estimates and change orders. Project consisted of partial depth resurfacing of over 1.1 total miles of various residential roadway improvements. Utility construction included 600' of 18" sanitary sewer removal and replacement, 396' of 18" Relief Sewer, 768' of 24" Relief Sewer, 984' of 42" Relief Sewer, 14 Relief Sewer manholes and a 10' diameter junction chamber. Project was funded using MFT and Local Funds.

Conway Park Sidewalk Improvements, Conway Park Owners Association, Lake Forest: Resident Engineer responsible for construction engineering and observation including: verifying that contractor was in conformance with plans and specifications, preparing pay estimates and change orders. Project consisted of constructing a 36,000 SF sidewalk to provide a continuous walking path throughout the Conway Park office park corridor. Additional improvements included removing and replacing curb and gutter, improving handicap accessibility, pavement markings, and landscaping regarding and restoration.

Glenview Road Resurfacing, Wilmette: Resident Engineer responsible for construction engineering and observation including: verifying that contractor was in conformance with plans and specifications, preparing pay estimates and change orders. Project consisted of resurfacing over 0.5 miles asphalt pavement. Additional improvements included curb and gutter spot repairs, sidewalk replacement, and PCC Driveway replacement. Detector loop replacement was coordinated with CCHD. Project was funded using ERP funds.



Certificate of Proficiency

This certificate is awarded to

Kevin Edward Wilson

for successfully completing the examination for

Documentation of Contract Quantities

Certificate Number: 21-18290
Effective Date: 2/15/2021
Expiration Date: 2/15/2025
Professional Development Hours: 14

A handwritten signature in black ink that reads 'Tim Kell'.

Tim Kell - Engineer of Construction

A handwritten signature in black ink that reads 'Greg J. Renshaw'.

Gregory J. Renshaw, P.E. - Senior Research Engineer ICT



Regional Engineer

Jose Rios

Department of Transportation

Address

201 W. Center Court

City

Schaumburg

State

IL

Zip Code

60196

Contract Number

District

Letting Date

1

10/10/23

Municipality

County of Lake

Route

CH79

County

Cook

Project Number

Job Number

Section Number

17--00193-08-PV

I consider the following individual to be qualified as a local public agency construction inspector. In addition, I certify that adequate instruction has been given this individual concerning the requirements of the contract, specifications and construction manual which pertain to the work which he/she will inspect. This individual has been instructed on the proper procedures for any necessary tests. Furthermore, if a consultant, this individual has a valid Documentation of Contract Quantities certification.

Approved

Signature and Title of Resident Construction Supervisor

Date

8/24/23

Applicants Name

Kevin Betke, PE

The following describes the educational background, experience and other qualifications of the named applicant to serve as an inspector on this project.

For Consultants Employees: Documentation of Contract Quantities certificate number is 20-18113

See attached resume.

If the Resident from BC-775 is a consultant, the local public agency employee in responsible charge must also approve this individual.

Approved

Signature and Title of In Responsible Charge from BC-775

Date

9/6/23

Engineer of Construction
LCDOT



YEARS EXPERIENCE: 31
YEARS WITH CBBEL: 24

EDUCATION

Bachelor of Science, 1992
Civil Engineering
University of Illinois at
Urbana-Champaign

PROFESSIONAL REGISTRATION

Professional Engineer, IL,
062.053510, 1999

Professional Engineer, CA,
53944, 1995

CERTIFICATIONS

Documentation of Contract
Quantities, IDOT, 20-18113

Designated Erosion Control
Inspector (DECI), Lake County

PROFESSIONAL DEVELOPMENT

Designated Erosion Control
Inspector Workshop,
Lake County, 2014-2022
8/1/23 ✓
Radiological Worker II Training

OSHA 40-Hour and
Supervisors Safety Training
per 29 CFR 1910.120

Certified Operator, Troxler
Nuclear Density Gauge

First Aid/Cardiopulmonary
Resuscitation Training

Kevin Betke, PE

Senior Resident Engineer

Professional Engineer responsible for field construction projects as Resident Engineer. Duties include construction observation to ensure adherence to drawings and specifications, measurement and tracking of job quantities for as-built records and pay estimates, monitoring and reporting Contractor progress and serving as the owner representative.

2022 BNSF Railroad Pedestrian Underpass[Contract #61G33], Western Springs: Resident Engineer. Federally funded project involving construction of an underpass to carry pedestrian traffic underneath three active BNSF Railroad tracks. Earth excavated from underneath the railroad tracks following BNSF installation of three overhead precast bridges. Soldier piles were driven and concrete retaining walls and floor was constructed to create a tunnel for safe pedestrian travel. Lighting, solar powered flashers at crosswalks and fiber optic cameras were installed to increase safety and surveillance. Project required constant coordination with BNSF Railroad, Village of Western Springs, IDOT, ComEd and the Illinois Tollway and their contractors as all parties were working together on simultaneous adjacent projects. Expected construction cost for the Village portion of the underpass is 2 million.

2022 Nicholas Dowden Park Stormwater Storage Project, Libertyville: Resident Engineer. Project involved demolition of existing softball fields, ice rinks, storage building and park amenities in Nicholas Dowden Park to allow for mass excavation creating stormwater storage volume to help lower the floodplain elevation in the adjacent neighborhood. After the basin varying from 6 feet to 9 feet deep was excavated (72,000 CY) and storm sewer inlets and outlets were constructed, the park amenities were reconstructed. Storm sewer included varying sizes up to 48" diameter pipe plus elliptical pipe and 8' x 3' box culvert and a 10' x 12' precast Junction Chamber. An underdrain system augmented by sand seams was constructed in the bottom of the basin to aid in drying the ground after storms. Four softball fields, two ice rinks, a storage building and batting cages were constructed in the basin so the park will still be available for use after storm events have passed. Expected construction cost of the project is 6.5 million.

2021 IL Route 120 Widening, Lake County Division of Transportation: Served as Resident Engineer for improvements to IL Route 120 (Knight Avenue to Green Bay Road) in Waukegan and Park City. The project involved widening of the road to a section of two through lanes in each direction and a bi-directional turn lane. Storm sewer was upgraded and stormwater storage was increased in existing basins. Traffic signals were upgraded and crosswalks were added at IL120/IL131. Full sidewalk was added on both sides of the road to improve safety and access to the businesses lining the route. 100% of the existing curb and gutter was replaced as well as all the commercial driveways to improve site drainage and construct ADA compliant sidewalks and ramps. Utility conflicts required CBBEL to delineate the problem areas, develop solutions, coordinate with IDOT, LCDOT, utilities and Contractor to relocate the utilities in conflict while installing the storm sewer with the least possible impacts to schedule and cost. The project was completed on time even with the considerable utility delays.

2020 Road Program, Mundelein: Served as Resident Engineer for the road improvement program that included storm sewer, water main and sanitary sewer upgrades, 100% curb and gutter and sidewalk removal and replacement and full reconstruction of all roads. A portion of the roads had subgrade improved using Full Depth Reclamation (cement stabilization) while the rest were proof-rolled and undercut. Construction Cost \$2.8 million and the project was completed on time and at budget.

2019/2020 Charles Brown Park Drainage Basin Improvements, Libertyville: Resident Engineer for improvements to stormwater storage basin. Excavated three forebays to increase storage. Dredged existing channel to improve flow characteristics. Revegetated entire area with appropriate native seed mixes. Installed upsized storm sewer with gravity bypass to improve outflow. Removed and replaced four pumps in lift station to upgrade performance and added SCADA capabilities for remote operation and monitoring.

2019 Storm Sewer Improvements, Lake Bluff: Resident Engineer for storm sewer improvements in two neighborhoods to relieve flooding. Project included installing large diameter storm sewer in the ROW and through neighboring back yards with associated road and property restoration. Jacked 36" steel casing under Route 176 under IDOT Permit to create new drainage pathway and alleviate flooding on several residential parcels.

2019 Alley Improvements, Zion: Resident Engineer for annual road and alley program in Zion using MFT funds. Designed and installed storm sewer in alleys to solve drainage problems. Reconstructed alleys using an inverted crown cross section to direct drainage into new storm sewer and away from residences.

2018 Mannheim/Higgins Road Improvements for Site Development, Des Plaines: Resident Engineer for 2 contracts let by the City of Des Plaines in support of new site development. Extended and improved water, storm and sanitary sewer to the site. Reconfigured Mannheim Road to create 2 new entrances to the site. Project also includes removal and replacement of a bridge spanning Willow Creek and relocation of street lighting on Mannheim Road. Total construction cost expected to be \$2 million.

2017 Road Program, Libertyville: Resident Engineer for annual residential pavement rehabilitation program valued at \$3.5 million construction cost. Work included assessment and repair of curb, sidewalk and sewers. Existing HMA streets were milled, patched and resurfaced. Existing PCC base streets with HMA overlay were milled, patched with PCC and overlaid. Existing PCC streets were patched with PCC, edge ground and overlaid with HMA.

Bridge Maintenance Program, Highland Park: Constructed new cast-in-place pedestrian bridge spanning a ravine 145' wide by 40' deep at Cary Ave. Performed concrete patching, waterproofing and asphalt overlay on a 100-year-old concrete bridge spanning a ravine 210' wide by 50' deep at Roger Williams Ave. Removed and replaced bridge bearings and expansion joints, refreshed waterproofing and asphalt overlay at the Linden Ave. bridge.

Central Road Bike Lane Improvements, Des Plaines: Resident Engineer for Local Agency Contract constructing 6 foot wide bike lanes for two miles in the shoulder on both sides of Central Rd (Wolf Rd to East River Rd). In addition to constructing new HMA shoulders, project included drainage improvements, many pockets of non-special waste disposal, widening at intersections, installation of solar powered pedestrian actuated flashers and landscaping. Project was started in fall 2015 and will be complete in spring 2016.

Schaumburg Convention Center Improvements: Resident Engineer for road and drainage improvements. Work involved expanding an existing detention basin on the property and constructing new 36" storm sewer in order to take the existing detention area out of service so that I-90 can expand to create the Meacham Road interchange. As part of the project, Convention Center parking lots were reconfigured, re-landscaped and new lighting was installed. To maintain necessary stormwater volume requirements, 2 permeable paver parking lots were constructed and the water level in existing site ponds was lowered by altering the weir and orifice plates. Project required cooperation with several Tollway contracts, the Village, and the tenants of Schaumburg Convention Center complex that regularly hosts large events.

Powis Road Improvements, Wayne: Resident Engineer for Local Agency contract to improve Powis Rd (Army Trail to Smith). Typical rural section maintenance project involving milling, patching, storm crossings, level binder, surface, striping, shouldering and restoration.

Atkinson Road Extension, Grayslake: Resident Engineer for improvements. The new Atkinson Rd from Route 137 to Route 120 consists of 2,500' of new pavement and 1,000' of improved pavement, storm sewer and drainage ditches and improvements to 2 signalized intersections. Work included over 60,000 CY of earthwork through 2 wetlands and construction of a pond and depressional storage area. Work was substantially completed on accelerated schedule in only 18 weeks with a construction cost of almost \$4 million.

Highland Road Improvements, Grayslake: Resident Engineer. Curb and gutter and sidewalk were added to both sides of the road and storm sewer was constructed to relieve flooding conditions.

2011 Road Program, Zion: Resident Engineer. Scope included full depth reconstruction of residential streets, spot curb and sidewalk repairs and drainage improvements.

2010, 2011, 2012 Road Program, Cary: Resident Engineer for annual road program that includes curb and gutter and sidewalk repair, storm sewer improvements, full depth removal and replacement of asphalt pavement and improvements to subgrade.

Midlothian Sanitary Sewer, Hawthorn Woods: Resident Engineer for installation of sanitary sewer between Hawthorn Woods and Lake

Zurich. Project included 2 new lift stations, approx. 5,000' of gravity sewers and 10,000' of forcemain.

Northside Park, Wheaton Park District: Resident Engineer for project involving hydraulic and environmental improvements to a series of ponds. Work included dredging, slope restoration, establishment of a vegetative buffer, installation of bridges and docks, and a detention pond.

Downtown Development, Lincolnshire: Resident Engineer for a site development involving mass clearing and grading, stormwater detention, revegetation, water main and a 10' tall decorative concrete retaining wall.

IL 21 at Olde Half Day Road Improvements, Lincolnshire: Project involved realignment and reconstruction. Sewer and water were relocated to upgrade the systems and fit the new alignment and a new traffic signal was constructed.

Quentin Road Water Main, Hawthorn Woods: Project involved installation of over 5,000' of 12" water main to service new residential developments. Due to access difficulties, wetlands considerations and the desire to save trees in a forested section, over half of the water main was installed by directional bore. One section was bored using HDPE pipe to accommodate a 15' grade change under a creek that was pulled using a continuous, fusion-welded section of pipe 650' long.

Special Service Area Program, Hawthorn Woods: Resident Engineer for design and preparation of contract documents for an annual reconstruction/resurfacing program. Each year the Village reconstructs/resurfaces approx. 6 miles of residential streets and typically includes ditch regrading, storm sewer and complete parkway restoration. In addition, areas which have drainage problems are field surveyed to determine if a viable economic solution is available.



Certificate of Proficiency

This certificate is awarded to

Kevin James Betke

for successfully completing the examination for

Documentation of Contract Quantities

Certificate Number: 20-18113

Effective Date: 12/8/2020

Expiration Date: 12/8/2024

Professional Development Hours: 14

A handwritten signature in black ink that reads 'Tim Kell'.

Tim Kell - Engineer of Construction

A handwritten signature in black ink that reads 'Gregory J. Renshaw'.

Gregory J. Renshaw, P.E. - Senior Research Engineer ICT