PROFESSIONAL SERVICES AGREEMENT

For

Construction Management Services for Central Avenue Bridge

Contract No. 2238-06220
Purchase Order No. 70000273441

BETWEEN

COOK COUNTY GOVERNMENT

DEPARTMENT OF TRANSPORTATION AND HIGHWAYS

AND

MICHAEL BAKER INTERNATIONAL, INC.

PROFESSIONAL SERVICES AGREEMENT

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Exhibit 9 Economic Disclosure Statement and Execution Document

AGREEMENT

This Agreement is made and entered into by and between the County of Cook, a public body corporate of the State of Illinois, on behalf of Office of the Chief Procurement Officer hereinafter referred to as "County" and **Michael Baker International, Inc.**, doing business as a(an) corporation of the State of **Pennsylvania**, hereinafter referred to as "Consultant", pursuant to authorization by the Cook County Board of Commissioners on **June 29, 2023**, as evidenced by Board Authorization letter attached hereto as EXHIBIT "1".

BACKGROUND

The County of Cook issued a Request for Qualifications "RFQ" for **Contract No. 2238-06220 – Construction Management Services for Central Avenue Bridge**. ***Submittals were evaluated in accordance with the evaluation criteria published in the RFQ.The Consultant was selected based on the submittal submitted and evaluated by the County representatives.***

Consultant represents that it has the professional experience and expertise to provide the necessary services and further warrants that it is ready, willing and able to perform in accordance with the terms and conditions as set forth in this Agreement.

NOW, THEREFORE, the County and Consultant agree as follows:

TERMS AND CONDITIONS

ARTICLE 1) INCORPORATION OF BACKGROUND

The Background information set forth above is incorporated by reference as if fully set forth here.

ARTICLE 2) DEFINITIONS

a) Definitions

The following words and phrases have the following meanings for purposes of this Agreement:

"**Additional Services**" means those services which are within the general scope of Services of this Agreement, but beyond the description of services required under Article 3, and all services reasonably necessary to complete the Additional Services to the standards of performance required by this Agreement. Any Additional Services requested by the Using Agency require the approval of the Chief Procurement Officer in a written amendment to this Agreement before Consultant is obligated to perform those Additional Services and before the County becomes obligated to pay for those AdditionalServices.

"**Agreement**" means this Professional Services Agreement, including all exhibits attached to it and incorporated in it by reference, and all amendments, modifications or revisions made in accordance with its terms.

"**Chief Procurement Officer**" means the Chief Procurement Officer for the County of Cook and any representative duly authorized in writing to act on his behalf.

"**Services**" means, collectively, the services, duties and responsibilities described in Article 3 of this Agreement and any and all work necessary to complete them or carry them out fully and to the standard of performance required in this Agreement.

"**Subcontractor**" or **"Subconsultant"** means any person or entity with whom Consultant contracts to provide any part of the Services, of any tier, suppliers and materials providers, whether or not in privity with Consultant.

"Using Agency" shall mean the department of agency within Cook County including elected officials.

b) Interpretation

i) The term "**include**" (in all its forms) means "include, without limitation" unless the context clearly states otherwise.

ii) All references in this Agreement to Articles, Sections or Exhibits, unless otherwise expressed or indicated are to the Articles, Sections or Exhibits of this Agreement.

iii) Words importing persons include firms, associations, partnerships, trusts, corporations and other legal entities, including public bodies, as well as natural persons.

iv) Any headings preceding the text of the Articles and Sections of this Agreement, and any tables of contents or marginal notes appended to it are solely for convenience or reference and do not constitute a part of this Agreement, nor do they affect the meaning, construction or effect of this Agreement.

v) Words importing the singular include the plural and vice versa. Words of the masculine gender include the correlative words of the feminine and neuter genders.

vi) All references to a number of days mean calendar days, unless expressly indicated otherwise.

c) Incorporation of Exhibits

The following attached Exhibits are made a part of this Agreement:

Exhibit 1	Board Authorization
Exhibit 2	Scope of Services
Exhibit 3	Key Personnel
Exhibit 4	Schedule of Compensation
Exhibit 5	M/WBE Utilization Plans
Exhibit 6	Evidence of Insurance
Exhibit 7	Identification of Subconsultants
Exhibit 8	Certification for Consulting or Auditing Services
Exhibit 9	Economic Disclosure Statement and Execution Document

ARTICLE 3) DUTIES AND RESPONSIBILITIES OF CONSULTANT

a) Scope of Services

This description of Services is intended to be general in nature and is neither a complete description of Consultant's Services nor a limitation on the Services that Consultant is to provide under this Agreement. Consultant must provide the Services in accordance with the standards of performance set forth in Section 3c. The Services that Consultant must provide include, but are not limited to, those described in Exhibit 2, Scope of Services and Time Limits for Performance, which is attached to this Agreement and incorporated by reference as if fully set forth here.

b) Deliverables

In carrying out its Services, Consultant must prepare or provide to the County various Deliverables. "**Deliverables**" include work product, such as written reviews, recommendations, reports and analyses, produced by Consultant for the County.

The County may reject Deliverables that do not include relevant information or data, or do not include all documents or other materials specified in this Agreement or reasonably necessary for the purpose for which the County made this Agreement or for which the County intends to use the Deliverables. If the County determines that Consultant has failed to comply with the foregoing standards, it has 30 days from the discovery to notify Consultant of its failure. If Consultant does not correct the failure, if it is possible to do so, within 30 days after receipt of notice from the County specifying the failure, then the County, by written notice, may treat the failure as a default of this Agreement under Article 9.

Partial or incomplete Deliverables may be accepted for review only when required for a specific and well-defined purpose and when consented to in advance by the County. Such Deliverables will not be considered as satisfying the requirements of this

Agreement and partial or incomplete Deliverables in no way relieve Consultant of its commitments under this Agreement.

c) Standard of Performance

Consultant must perform all Services required of it under this Agreement with that degree of skill, care and diligence normally shown by a consultant performing services of a scope and purpose and magnitude comparable with the nature of the Services to be provided under this Agreement. Consultant acknowledges that it is entrusted with or has access to valuable and confidential information and records of the County and with respect to that information, Consultant agrees to be held to the standard of care of a fiduciary.

Consultant must assure that all Services that require the exercise of professional skills or judgment are accomplished by professionals qualified and competent in the applicable discipline and appropriately licensed, if required by law. Consultant must provide copies of any such licenses. Consultant remains responsible for the professional and technical accuracy of all Services or Deliverables furnished, whether by Consultant or its Subconsultants or others on its behalf. All Deliverables must be prepared in a form and content satisfactory to the Using Agency and delivered in a timely manner consistent with the requirements of this Agreement.

If Consultant fails to comply with the foregoing standards, Consultant must perform again, at its own expense, all Services required to be re-performed as a direct or indirect result of that failure. Any review, approval, acceptance or payment for any of the Services by the County does not relieve Consultant of its responsibility for the professional skill and care and technical accuracy of its Services and Deliverables. This provision in no way limits the County's rights against Consultant either under thisAgreement, at law or in equity.

d) Personnel

i) **Adequate Staffing**

Consultant must, upon receiving a fully executed copy of this Agreement, assign and maintain during the term of this Agreement and any extension of it an adequate staff of competent personnel that is fully equipped, licensed as appropriate, available as needed, qualified and assigned exclusively to perform the Services. Consultant must include among its staff the Key Personnel and positions as identified below. The level of staffing may be revised from time to time by notice in writing from Consultant to the County and with written consent of the County, which consent the County will not withhold unreasonably. If the County fails to object to the revision within 14 days after receiving the notice, then the revision will be considered accepted by the County.

ii) **Key Personnel**

Consultant must not reassign or replace Key Personnel without the written consent of the County, which consent the County will not unreasonably withhold. "**Key Personnel**" means those job titles and the persons assigned to those positions in accordance with the provisions of this Section 3.d(ii). The Using Agency may at any time in writing notify Consultant that the County will no longer accept performance of Services under this Agreement by one or more Key Personnel listed. Upon that notice Consultant must immediately suspend the services of the key person or persons and must replace him or them in accordance with the terms of this Agreement. A list of Key Personnel is found in Exhibit 3, Key Personnel.

iii) **Salaries and Wages**

Consultant and Subconsultants must pay all salaries and wages due all employees performing Services under this Agreement unconditionally and at least once a month without deduction or rebate on any account, except only for those payroll deductions that are mandatory by law or are permitted under applicable law and regulations. If in the performance of this Agreement Consultant underpays any such salaries or wages, the Comptroller for the County may withhold, out of payments due to Consultant, an amount sufficient to pay to employees underpaid the difference between the salaries or wages required to be paid under this Agreement and the salaries or wages actually paid these employees for the total number of hours worked. The amounts withheld may be disbursed by the Comptroller for and on account of Consultant to the respective employees to whom they are due. The parties acknowledge that this Section 3.d(iii) is solely for the benefit of the County and that it does not grant any third party beneficiary rights.

e) Minority and Women Owned Business Enterprises Commitment

In the performance of this Agreement, including the procurement and lease of materials or equipment, Consultant must abide by the minority and women's business enterprise commitment requirements of the Cook County Ordinance, (Article IV, Section 34-267 through 272) except to the extent waived by the Compliance Director, which are set forth in Exhibit 5. Consultant's completed MBE/WBE Utilization Plan evidencing its compliance with this requirement are a part of this Agreement, in Form 1 of the MBE/WBE Utilization Plan, upon acceptance by the Compliance Director. Consultant must utilize minority and women's business enterprises at the greater of the amounts committed to by the Consultant for this Agreement in accordance with Form 1 of the MBE/WBE Utilization Plan.

f) Insurance

Consultant must provide and maintain at Consultant's own expense, during the term of this Agreement and any time period following expiration if Consultant is required to return and perform any of the Services or Additional Services under this Agreement, the insurance coverages and requirements specified below, insuring all operations related to this Agreement.

i) **Insurance To Be Provided**

(1) Workers Compensation and Employers Liability

Workers Compensation Insurance, as prescribed by applicable law, covering all employees who are to provide a service under this Agreement and Employers Liability coverage with limits of not less than $500,000 each accident or illness.

(2) Commercial General Liability (Primary and Umbrella)

Commercial General Liability Insurance or equivalent with limits of not less than $2,000,000 per occurrence for bodily injury, personal injury and property damage liability. Coverages must include the following: All premises and operations, products/completed operations, separation of insureds, defense and contractual liability (with no limitation endorsement). Cook County is to be named as an additional insured on a primary, non-contributory basis for any liability arising directly or indirectly from the Services.

Subconsultants performing Services for Consultant must maintain limits of not less than $1,000,000 with the same terms in this Section 3.i(2).

(3) Automobile Liability (Primary and Umbrella)

When any motor vehicles (owned, non-owned and hired) are used in connection with Services to be performed, Consultant must provide Automobile Liability Insurance with limits of not less than $1,000,000 per occurrence limit, for bodily injury and property damage. The County is to be named as an additional insured on a primary, non-contributory basis.

(4) Professional Liability

When any professional consultants perform Services in connection with this Agreement, Professional Liability Insurance covering acts, errors or omissions must be maintained with limits of not less than $2,000,000. Coverage must include contractual liability. When policies are renewed or replaced, the policy retroactive date must coincide with, or precede, start of Services on this Agreement. A claims-made policy which is not renewed or replaced must have an extended reporting period of 2 years.

Subconsultants performing Services for Consultant must maintain limits of not less than $1,000,000 with the same terms in this Section 3.i(4).

(5) Valuable Papers

When any designs, drawings, specifications and documents are produced or used under this Agreement, Valuable Papers Insurance must be maintained in an amount to insure against any loss whatsoever, and must have limits sufficient to pay for the re-creation and reconstruction of such records.

ii) **Additional Requirements**

(1) Consultant must furnish the County of Cook, Cook County, Office of the Chief Procurement Officer, 69 W. Washington Street, 30th Floor, Chicago, IL60602, original Certificates of Insurance, or such similar evidence, to be in force on the date of this Agreement, and Renewal Certificates of Insurance, or such similar evidence, if the coverages have an expiration orrenewal date occurring during the term of this Agreement. Consultant must submit evidence of insurance on the County Insurance Certificate Form (copy attached as Exhibit 6) or equivalent prior to the effective dateof the Agreement. The receipt of any certificate does not constituteagreement by the County that the insurance requirements in this Agreement have been fully met or that the insurance policies indicated on the certificate are in compliance with all Agreement requirements. The failure of the County to obtain certificates or other insurance evidence from Consultant is not a waiver by the County of any requirements for Consultant to obtain and maintain the specified coverages. Consultant must advise all insurers of the provisions in this Agreement regarding insurance. Non-conforming insurance does not relieve Consultant of the obligation to provide insurance as specified in this Agreement. Nonfulfillment of the insurance conditions may constitute a violation ofthis Agreement, and the County retains the right to terminate this Agreement or to suspend this Agreement until proper evidence of insurance is provided.

(2) The insurance must provide for sixty (60) days prior written notice to be given to the County in the event coverage is substantially changed, canceled or non-renewed. All deductibles or self-insured retentions on referenced insurance coverages must be borne by Consultant. Consultant agrees that insurers waive their rights of subrogation against the County of Cook, its employees, elected officials, agents or representatives.

(3) The coverages and limits furnished by Consultant in no way limit Consultant's liabilities and responsibilities specified within thisAgreement or by law. Any insurance or self-insurance programs maintained by the County of Cook apply in excess of and do not contribute with insurance provided by Consultant under this Agreement.

(4) The required insurance is not limited by any limitations expressed in the indemnification language in this Agreement or any limitation placed on the indemnity in this Agreement given as a matter of law.

(5) Consultant must require all Subconsultants to provide the insurance required in this Agreement, or Consultant may provide the coverages for Subconsultants. All Subconsultants are subject to the same insurance requirements as Consultant unless otherwise specified in this Agreement. If Consultant or Subconsultant desires additional coverages, the party desiring the additional coverages is responsible for its acquisition and cost.

(6) The County's Risk Management Office maintains the rights to modify, delete, alter or change these requirements. "**Risk Management Office**" means the Risk Management Office, which is under the direction of the Director of Risk Management and is charged with reviewing and analyzing insurance and related liability matters for the County.

g) Indemnification

The Consultant covenants and agrees to indemnify and save harmless the County and its commissioners, officials, employees, agents and representatives, and their respective heirs, successors and assigns, from and against any and all costs, expenses, attorney's fees, losses, damages and liabilities incurred or suffered directly or indirectly from or attributable to any claims arising out of or incident to the performance or nonperformance of the Contract by the Consultant, or the acts or omissions of the officers, agents, employees, Consultants, subconsultants, licensees or invitees of the Consultant. The Consultant expressly understands and agrees that any Performance Bond or insurance protection required of the Consultant, or otherwise provided by the Consultant, shall in no way limit the responsibility to indemnify the County as herein above provided.

h) Confidentiality and Ownership of Documents

Consultant acknowledges and agrees that information regarding this Contract is confidential and shall not be disclosed, directly, indirectly or by implication, or be used by Consultant in any way, whether during the term of this Contract or at any time thereafter, except solely as required in the course of Consultant's performance hereunder. Consultant shall comply with the applicable privacy laws and regulations affecting County and will not disclose any of County's records, materials, or other data to any third party. Consultant shall not have the right to compile and distribute statistical analyses and reports utilizing data derived from information or data obtained from County without the prior written approval of County. In the event such approval is given, any such reports published and distributed by Consultant shall be furnished to County without charge.

All documents, data, studies, reports, work product or product created as a result of the performance of the Contract (the "Documents") shall be included in the Deliverables and shall be the property of the County of Cook. It shall be a breach of this Contract for the Consultant to reproduce or use any documents, data, studies, reports, work product or product obtained from the County of Cook or any Documents created hereby, whether such reproduction or use is for Consultant's own purposes or for those of any third party. During the performance of the Contract Consultant shall be responsible of any loss or damage to the Documents while they are in Consultant's possession, and any such loss or damage shall be restored at the expense of the Consultant. The County and its designees shall be afforded full access to the Documents and the work at all times.

i) Patents, Copyrights and Licenses

If applicable, Consultant shall furnish the Chief Procurement Officer with all licenses required for the County to utilize any software, including firmware or middleware,provided by Consultant as part of the Deliverables. Such licenses shall be clearly markedwith a reference to the number of this County Contract. Consultant shall also furnish a copy of such licenses to the Chief Procurement Officer. Unless otherwise stated in these Contract documents, such licenses shall be perpetual and shall not limit the number of persons who may utilize the software on behalf of the County.

Consultant agrees to hold harmless and indemnify the County, its officers, agents, employees and affiliates from and defend, as permitted by Illinois law, at its own expense (including reasonable attorneys', accountants' and consultants' fees), any suit or proceeding brought against County based upon a claim that the ownership and/or use of equipment, hardware and software or any part thereof provided to the County or utilized in performing Consultant's services constitutes an infringement of any patent, copyright or license or any other property right.

In the event the use of any equipment, hardware or software or any part thereof is enjoined, Consultant with all reasonable speed and due diligence shall provide or otherwise secure for County, at the Consultant's election, one of the following: the right to continue use of the equipment, hardware or software; an equivalent system having the Specifications as provided in this Contract; or Consultant shall modify the system or its component parts so that they become non-infringing while performing in a substantially similar manner to the original system, meeting the requirements of this Contract.

j) Examination of Records and Audits

The Consultant agrees that the Cook County Auditor or any of its duly authorized representatives shall, until expiration of three (3) years after the final payment under the Contract, have access and the right to examine any books, documents, papers, canceled checks, bank statements, purveyor's and other invoices, and records of the Consultant related to the Contract, or to Consultant's compliance with any term, condition or provision thereof. The Consultant shall be responsible for establishing and maintaining records sufficient to document the costs associated with performance under the terms of this Contract.

The Consultant further agrees that it shall include in all of its subcontracts hereunder a provision to the effect that the Subcontractor agrees that the Cook County Auditor or any of its duly authorized representatives shall, until expiration of three (3) years after final payment under the subcontract, have access and the right to examine any books, documents, papers, canceled checks, bank statements, purveyor's and other invoices and records of such Subcontractor involving transactions relating to the subcontract, or to such Subcontractor compliance with any term, condition or provision thereunder or under the Contract.

In the event the Consultant receives payment under the Contract, reimbursement for which is later disallowed by the County, the Consultant shall promptly refund the disallowed amount to the County on request, or at the County's option, the County may credit the amount disallowed from the next payment due or to become due to the Consultant under any contract with the County.

To the extent this Contract pertains to Deliverables which may be reimbursable under the Medicaid or Medicare Programs, Consultant shall retain and make available upon request, for a period of four (4) years after furnishing services pursuant to this Agreement, the contract, books, documents and records which are necessary to certify thenature and extent of the costs of such services if requested by the Secretary of Health and Human Services or the Comptroller General of the United States or any of their duly authorized representatives.

If Consultant carries out any of its duties under the Agreement through a subcontract with a related organization involving a value of cost of $10,000.00 or more over a 12 month period, Consultant will cause such subcontract to contain a clause to the effect that, until the expiration of four years after the furnishing of any service pursuant to said subcontract, the related organization will make available upon request of the Secretary of Health and Human Services or the Comptroller General of the United States or any of their duly authorized representatives, copies of said subcontract and any books, documents, records and other data of said related organization that are necessary tocertify the nature and extent of such costs. This paragraph relating to the retention and production of documents is included because of possible application of Section 1861(v)(1)(I) of the Social Security Act to this Agreement; if this Section should befound to be inapplicable, then this paragraph shall be deemed inoperative and without force and effect.

k) Subcontracting or Assignment of Contract or Contract Funds

Once awarded, this Contract shall not be subcontracted or assigned, in whole or in part, without the advance written approval of the Chief Procurement Officer, which approval shall be granted or withheld at the sole discretion of the Chief Procurement Officer. In no case, however, shall such approval relieve the Consultant from its obligations or change the terms of the Contract. The Consultant shall not transfer or assign any Contract funds or any interest therein due or to become due without the advance written approval of the Chief Procurement Officer. The unauthorized subcontracting or assignment of the Contract, in whole or in part, or the unauthorized transfer or assignment of any Contract funds, either in whole or in part, or any interest therein, which shall be due or are to become due the Consultant shall have no effect on the County and are null and void.

Prior to the commencement of the Contract, the Consultant shall identify in writing to the Chief Procurement Officer the names of any and all Subcontractors it intends to use in the performance of the Contract by completing the Identification of Subcontractor/Supplier/ Subconsultant Form ("ISF"). The Chief Procurement Officer shall have the right to disapprove any Subcontractor. All Subcontractors shall be subject to the terms of this Contract. Consultant shall incorporate into all subcontracts all of the provisions of the Contract which affect such subcontract. Copies of subcontracts shall be provided to the Chief Procurement Officer upon request.

The Consultant must disclose the name and business address of each Subcontractor, attorney, lobbyist, accountant, consultant and any other person or entity whom the Consultant has retained or expects to retain in connection with the Matter, as well as the nature of the relationship, and the total amount of the fees paid or estimated to be paid. The Consultant is not required to disclose employees who are paid or estimated to be paid. The Consultant is not required to disclose employees who are paid solely through the Consultant's regular payroll. "Lobbyist" means any person or entity who undertakes to influence any legislation or administrative action on behalf of any person or entity other than: (1) a not-for-profit entity, on an unpaid basis, or (2), himself.

"Lobbyist" also means any person or entity any part of whose duties as an employee of another includes undertaking to influence any legislative or administrative action. If the Consultant is uncertain whether a disclosure is required under this Section, the Consultant must either ask the County, whether disclosure is required or make the disclosure.

The County reserves the right to prohibit any person from entering any County facility for any reason. All Consultants and Subcontractor of the Consultant shall be accountable to the Chief Procurement Officer or his designee while on any County property and shall abide by all rules and regulations imposed by the County.

l) Professional Social Services

In accordance with 34-146, of the Cook County Procurement Code, all Consultants or providers providing services under a Professional Social Service Contracts or Professional Social Services Agreements, shall submit an annual performance report to the Using Agency, i.e., the agency for whom the Consultant or provider is providing the professional social services, that includes but is not limited to relevant statistics, an empirical analysis where applicable, and a written narrative describing the goals and objectives of the contract or agreement and programmatic outcomes. The annual performance report shall be provided and reported to the Cook County Board of Commissioners by the applicable Using Agency within forty-five days of receipt. Failure of the Consultant or provider to provide an annual performance report will be considered a breach of contract or agreement by the Consultant or provider, and may result in termination of the Contract or agreement.

For purposes of this Section, a Professional Social Service Contract or Professional Social Service Agreement shall mean any contract or agreement with a social service provider, including other governmental agencies, nonprofit organizations, or for profit business enterprises engaged in the field of and providing social services, juvenile justice, mental health treatment, alternative sentencing, offender rehabilitation, recidivism reduction, foster care, substance abuse treatment, domestic violence services, community transitioning services, intervention, or such other similar services which provide mental, social or physical treatment and services to individuals. Said Professional Social Service Contracts or Professional Social Service Agreements do not include CCHHS managed care contracts that CCHHS may enter into with health care providers.

ARTICLE 4) TERM OF PERFORMANCE

a) Term of Performance

This Agreement takes effect when approved by the Cook County Board and its term shall begin on **July 1, 2023** ("**Effective Date**") and continue until **October 31, 2026** or until this Agreement is terminated in accordance with its terms, whichever occurs first.

b) Timeliness of Performance

i) Consultant must provide the Services and Deliverables within the term and within the time limits required under this Agreement, pursuant to the provisions ofSection 4.a and Exhibit 2. Further, Consultant acknowledges that TIME IS OF THE ESSENCE and that the failure of Consultant to comply with the time limits described in this Section 4.b may result in economic or other losses to the County.

ii) Neither Consultant nor Consultant's agents, employees nor Subcontractors are entitled to any damages from the County, nor is any party entitled to be reimbursed by the County, for damages, charges or other losses or expenses incurred by Consultant by reason of delays or hindrances in the performance of the Services, whether or not caused by the County.

c) Agreement Extension Option

The Chief Procurement Officer may at any time before this Agreement expires elect to extend this Agreement under the same terms and conditions as this original Agreement, except as provided otherwise in this Agreement, by notice in writing to Consultant. After notification by the Chief Procurement Officer, this Agreement must be modified toreflect the time extension in accordance with the provisions of Section 10.c.

ARTICLE 5) COMPENSATION

a) Basis of Payment

The County will pay Consultant according to the Schedule of Compensation in the attached Exhibit 4 for the successful completion of services.

b) Method of Payment

All invoices submitted by the Consultant shall be in accordance with the cost provisions contained in the Agreement and shall contain a detailed description of the Deliverables, including the quantity of the Deliverables, for which payment is requested. All invoices for services shall include itemized entries indicating the date or time period in which the services were provided, the amount of time spent performing the services, and a detailed description of the services provided during the period of the invoice. All Contracts for services that are procured as Sole Source must also contain a provision requiring the Contractor to submit itemized records indicating the dates that services were provided, a detailed description of the work performed on each such date, and the amount of time spent performing work on each such date. All invoices shall reflect the amounts invoiced by and the amounts paid to the Consultant as of the date of the invoice. Invoices for new charges shall not include "past due" amounts, if any, which amounts must be set forth on a separate invoice. Consultant shall not be entitled to invoice the County for any latefees or other penalties.

In accordance with Section 34-177 of the Cook County Procurement Code, the County

shall have a right to set off and subtract from any invoice(s) or Contract price, a sum equal to any fines and penalties, including interest, for any tax or fee delinquency and any debt or obligation owed by the Consultant to the County.

The Consultant acknowledges its duty to ensure the accuracy of all invoices submitted to the County for payment. By submitting the invoices, the Consultant certifies that all itemized entries set forth in the invoices are true and correct. The Consultant acknowledges that by submitting the invoices, it certifies that it has delivered the Deliverables, i.e., the goods, supplies, services or equipment set forth in the Agreement tothe Using Agency, or that it has properly performed the services set forth in the Agreement.The invoice must also reflect the dates and amount of time expended in the provision of services under the Agreement. The Consultant acknowledges that any inaccurate statements or negligent or intentional misrepresentations in the invoices shall result in the County exercising all remedies available to it in law and equity including, but not limited to, a delay in payment or non-payment to the Consultant, and reporting the matter to the Cook County Office of the Independent Inspector General.

When a Consultant receives any payment from the County for any supplies, equipment, goods, or services, it has provided to the County pursuant to its Agreement, the Consultant must make payment to its Subcontractors within 15 days after receipt of payment from the County, provided that such Subcontractor has satisfactorily provided the supplies, equipment, goods or services in accordance with the Contract and provided the Consultant with all of the documents and information required of the Consultant. TheConsultant may delay or postpone payment to a Subcontractor when the Subcontractor's supplies, equipment, goods, or services do not comply with the requirements of the Contract, the Consultant is acting in good faith, and not in retaliation for a Subcontractor exercising legal or contractual rights.

c) Funding

The source of funds for payments under this Agreement is identified in Exhibit 2,Schedule of Compensation. Payments under this Agreement must not exceed the dollar amount shown in Exhibit 2 without a written amendment in accordance with Section 10.c.

d) Non-Appropriation

If no funds or insufficient funds are appropriated and budgeted in any fiscal period of the County for payments to be made under this Agreement, then the County will notify Consultant in writing of that occurrence, and this Agreement will terminate on the earlier of the last day of the fiscal period for which sufficient appropriation was made orwhenever the funds appropriated for payment under this Agreement are exhausted. Payments for Services completed to the date of notification will be made to Consultant. No payments will be made or due to Consultant and under this Agreement beyond those amounts appropriated and budgeted by the County to fund payments under this Agreement.

e) Taxes

Federal Excise Tax does not apply to materials purchased by the County by virtue of Exemption Certificate No. 36-75-0038K. Illinois Retailers' Occupation Tax, Use Tax and Municipal Retailers' Occupation Tax do not apply to deliverables, materials or services purchased by the County by virtue of statute. The price or prices quoted herein shall include any and all other federal and/or state, direct and/or indirect taxes which apply to this Contract. The County's State of Illinois Sales Tax Exemption Identification No. is E-9998-2013-07.

f) Price Reduction

If at any time after the contract award, Consultant makes a general price reduction in the price of any of the Deliverables, the equivalent price reduction based on similar quantities and/or considerations shall apply to this Contract for the duration of the Contract period. For purposes of this Section 5.f., Price Reduction, a general price reduction shall include reductions in the effective price charged by Consultant by reason of rebates, financial incentives, discounts, value points or other benefits with respect to the purchase of the Deliverables. Such price reductions shall be effective at the same time and in the same manner as the reduction Consultant makes in the price of the Deliverables to its prospective customers generally.

g) Consultant Credits

To the extent the Consultant gives credits toward future purchases of goods or services, financial incentives, discounts, value points or other benefits based on the purchase of the materials or services provided for under this Contract, such credits belong to the County and not any specific Using Agency. Consultant shall reflect any such credits on its invoices and in the amounts it invoices the County.

ARTICLE 6) DISPUTES

Any dispute arising under the Contract between the County and Consultant shall be decided by the Chief Procurement Officer. The complaining party shall submit a written statement detailing the dispute and specifying the specific relevant Contract provision(s) to the Chief Procurement Officer. Upon request of the Chief Procurement Officer, the party complained against shall respond to the complaint in writing within five days of such request. The Chief Procurement Officer will reduce her decision to writing and mail or otherwise furnish a copy thereof to the Consultant. The decision of the Chief Procurement Officer will be final and binding. Dispute resolution as provided herein shall be a condition precedent to any other action at law or in equity. However, unless a notice is issued by the Chief Procurement Officer indicating that additional time is required to review a dispute, the parties may exercise their contractual remedies, if any, if no decision is made within sixty (60) days following notification to the Chief Procurement Officer ofa dispute. No inference shall be drawn from the absence of a decision by the Chief Procurement Officer.
Notwithstanding a dispute, Consultant shall continue to discharge all its obligations, duties and

responsibilities set forth in the Contract during any dispute resolution proceeding unless otherwise agreed to by the County in writing.

ARTICLE 7) COOPERATION WITH INSPECTOR GENERAL AND COMPLIANCE WITH ALL LAWS

The Consultant, Subcontractor, licensees, grantees or persons or businesses who have a County contract, grant, license, or certification of eligibility for County contracts shall abide by all of the applicable provisions of the Office of the Independent Inspector General Ordinance (Section 2-281 et. seq. of the Cook County Code of Ordinances). Failure to cooperate as required may result in monetary and/or other penalties.

The Consultant shall observe and comply with the laws, ordinances, regulations and codes of the Federal, State, County and other local government agencies which may in any manner affect the performance of the Contract including, but not limited to, those County Ordinances set forth in the Certifications attached hereto and incorporated herein. Assurance of compliance with this requirement by the Consultant's employees, agents or Subcontractor shall be the responsibility of the Consultant.

The Consultant shall secure and pay for all federal, state and local licenses, permits and fees required hereunder.

ARTICLE 8) SPECIAL CONDITIONS

a) Warranties and Representations

In connection with signing and carrying out this Agreement, Consultant:

i) warrants that Consultant is appropriately licensed under Illinois law to perform the Services required under this Agreement and will perform no Services for which a professional license is required by law and for which Consultant is not appropriately licensed;

ii) warrants it is financially solvent; it and each of its employees, agents and Subcontractors of any tier are competent to perform the Services required under this Agreement; and Consultant is legally authorized to execute and perform or cause to be performed this Agreement under the terms and conditions stated in this Agreement;

iii) warrants that it will not knowingly use the services of any ineligible consultant or Subcontractor for any purpose in the performance of its Services under this Agreement;

iv) warrants that Consultant and its Subcontractors are not in default at the time this Agreement is signed, and has not been considered by the Chief Procurement Officer to have, within 5 years immediately preceding the date of this Agreement, been found to be in default on any contract awarded by the County;

v) represents that it has carefully examined and analyzed the provisions and requirements of this Agreement; it understands the nature of the Services required; from its own analysis it has satisfied itself as to the nature of all things needed for the performance of this Agreement; this Agreement is feasible of performance in accordance with all of its provisions and requirements, and Consultant warrants it can and will perform, or cause to be performed, the Services in strict accordance with the provisions and requirements of this Agreement;

vi) represents that Consultant and, to the best of its knowledge, its Subcontractors are not in violation of the provisions of the Illinois Criminal Code, 720 ILCS 5/33E as amended; and

vii) acknowledges that any certification, affidavit or acknowledgment made underoath in connection with this Agreement is made under penalty of perjury and, if false, is also cause for termination under Sections 9.a and 9.c.

b) Ethics

i) In addition to the foregoing warranties and representations, Consultant warrants:

(1) no officer, agent or employee of the County is employed by Consultant or has a financial interest directly or indirectly in this Agreement or the compensation to be paid under this Agreement except as may be permitted in writing by the Board of Ethics.

(2) no payment, gratuity or offer of employment will be made in connection with this Agreement by or on behalf of any Subcontractors to the prime Consultant or higher tier Subcontractors or anyone associated with them, as an inducement for the award of a subcontract or order.

c) Joint and Several Liability

If Consultant, or its successors or assigns, if any, is comprised of more than one individual or other legal entity (or a combination of them), then under this Agreement, each and without limitation every obligation or undertaking in this Agreement to be fulfilled or performed by Consultant is the joint and several obligation or undertaking of each such individual or other legal entity.

d) Business Documents

At the request of the County, Consultant must provide copies of its latest articles of incorporation, by-laws and resolutions, or partnership or joint venture agreement, as applicable.

e) Conflicts of Interest

i) No member of the governing body of the County or other unit of government and no other officer, employee or agent of the County or other unit of government who exercises any functions or responsibilities in connection with the Services to which this Agreement pertains is permitted to have any personal interest, direct or indirect, in this Agreement. No member of or delegate to the Congress of the United States or the Illinois General Assembly and no Commissioner of the Cook County Board or County employee is allowed to be admitted to any share or part of this Agreement or to any financial benefit to arise from it.

ii) Consultant covenants that it, and to the best of its knowledge, its Subcontractors if any (collectively, "**Consulting Parties**"), presently have no direct or indirect interest and will not acquire any interest, direct or indirect, in any project or contract that would conflict in any manner or degree with the performance of its Services under this Agreement.

iii) Upon the request of the County, Consultant must disclose to the County its past client list and the names of any clients with whom it has an ongoing relationship. Consultant is not permitted to perform any Services for the County on applications or other documents submitted to the County by any of Consultant's past or present clients. If Consultant becomes aware of a conflict, it must immediately stop work on the assignment causing the conflict and notify the County.

iv) Without limiting the foregoing, if the Consulting Parties assist the County in determining the advisability or feasibility of a project or in recommending, researching, preparing, drafting or issuing a request for proposals or bid specifications for a project, the Consulting Parties must not participate, directly or indirectly, as a prime, Subcontractor or joint venturer in that project or in the preparation of a proposal or bid for that project during the term of this Agreement or afterwards. The Consulting Parties may, however, assist the County in reviewing the proposals or bids for the project if none of the Consulting Parties have a relationship with the persons or entities that submitted the proposals or bids for that project.

v) The Consultant further covenants that, in the performance of this Agreement, no person having any conflicting interest will be assigned to perform any Services or have access to any confidential information, as defined in Section 3.h of this Agreement. If the County, by the Chief Procurement Officer in his reasonable judgment, determines that any of Consultant's Services for others conflict with the Services Consultant is to render for the County under this Agreement, Consultant must terminate such other services immediately upon request of the County.

vi) Furthermore, if any federal funds are to be used to compensate or reimburse Consultant under this Agreement, Consultant represents that it is and will remain in compliance with federal restrictions on lobbying set forth in Section 319 of the Department of the Interior and Related Agencies Appropriations Act for Fiscal year 1990, 31 U.S.C. § 1352, and related rules and regulations set forth at 54 Fed. Reg. 52,309 ff. (1989), as amended. If federal funds are to be used, Consultant must execute a Certification Regarding Lobbying, which will be attached as an exhibit and incorporated by reference as if fully set forth here.

f) Non-Liability of Public Officials

Consultant and any assignee or Subcontractor of Consultant must not charge any official, employee or agent of the County personally with any liability or expenses of defense or hold any official, employee or agent of the County personally liable to them under any term or provision of this Agreement or because of the County's execution, attempted execution or any breach of this Agreement.

ARTICLE 9) EVENTS OF DEFAULT, REMEDIES, TERMINATION, SUSPENSION AND RIGHT TO OFFSET

a) Events of Default Defined

The following constitute events of default:

i) Any material misrepresentation, whether negligent or willful and whether in the inducement or in the performance, made by Consultant to the County.

ii) Consultant's material failure to perform any of its obligations under this Agreement including the following:

(a) Failure due to a reason or circumstances within Consultant's reasonable control to perform the Services with sufficient personnel and equipment or with sufficient material to ensure the performance of the Services;

(b) Failure to perform the Services in a manner reasonably satisfactory to the Chief Procurement Officer or inability to perform the Services satisfactorily as a result of insolvency, filing for bankruptcy or assignment for the benefit of creditors;

(c) Failure to promptly re-perform within a reasonable time Services that were rejected as erroneous or unsatisfactory;

(d) Discontinuance of the Services for reasons within Consultant's reasonable control; and

(e) Failure to comply with any other material term of this Agreement, including the provisions concerning insurance and nondiscrimination.

iii) Any change in ownership or control of Consultant without the prior writtenapproval of the Chief Procurement Officer, which approval the Chief Procurement Officer will not unreasonably withhold.

iv) Consultant's default under any other agreement it may presently have or mayenter into with the County during the life of this Agreement. Consultant acknowledges and agrees that in the event of a default under this Agreement the County may also declare a default under any such other Agreements.

v) Failure to comply with Article 7 in the performance of the Agreement.

vi) Consultant's repeated or continued violations of County ordinances unrelated to performance under the Agreement that in the opinion of the Chief Procurement Officer indicate a willful or reckless disregard for County laws and regulations.

b) Remedies

The occurrence of any event of default permits the County, at the County's sole option, to declare Consultant in default. The Chief Procurement Officer may in his sole discretion give Consultant an opportunity to cure the default within a certain period of time, which period of time must not exceed 30 days, unless extended by the Chief Procurement Officer. Whether to declare Consultant in default is within the sole discretion of the Chief Procurement Officer and neither that decision nor the factual basis for it is subject to review or challenge under the Disputes provision of this Agreement.

The Chief Procurement Officer will give Consultant written notice of the default, either in the form of a cure notice ("**Cure Notice**"), or, if no opportunity to cure will be granted,a default notice ("**Default Notice**"). If the Chief Procurement Officer gives a Default Notice, he will also indicate any present intent he may have to terminate this Agreement, and the decision to terminate (but not the decision not to terminate) is final and effective upon giving the notice. The Chief Procurement Officer may give a Default Notice if Consultant fails to affect a cure within the cure period given in a Cure Notice. When a Default Notice with intent to terminate is given as provided in this Section 9.b and Article11, Consultant must discontinue any Services, unless otherwise directed in the notice, anddeliver all materials accumulated in the performance of this Agreement, whether completed or in the process, to the County. After giving a Default Notice, the County may invoke any or all of the following remedies:

i) The right to take over and complete the Services, or any part of them, at Consultant's expense and as agent for Consultant, either directly or through others, and bill Consultant for the cost of the Services, and Consultant must pay the difference between the total amount of this bill and the amount the County would have paid Consultant under the terms and conditions of this Agreement for the Services that were assumed by the County as agent for the Consultant under this Section 9.b;

ii) The right to terminate this Agreement as to any or all of the Services yet to be performed effective at a time specified by the County;

iii) The right of specific performance, an injunction or any other appropriate equitable remedy;

iv) The right to money damages;

v) The right to withhold all or any part of Consultant's compensation under this Agreement;

vi) The right to consider Consultant non-responsible in future contracts to be awarded by the County.

If the Chief Procurement Officer considers it to be in the County's best interests, he may elect not to declare default or to terminate this Agreement. The parties acknowledge that this provision is solely for the benefit of the County and that if the County permits Consultant to continue to provide the Services despite one or more events of default, Consultant is in no way relieved of any of its responsibilities, duties or obligations under this Agreement, nor does the County waive or relinquish any of its rights.

The remedies under the terms of this Agreement are not intended to be exclusive of any other remedies provided, but each and every such remedy is cumulative and is in addition to any other remedies, existing now or later, at law, in equity or by statute. No delay or omission to exercise any right or power accruing upon any event of default impairs any such right or power, nor is it a waiver of any event of default nor acquiescence in it, and every such right and power may be exercised from time to time and as often as the County considers expedient.

c) Early Termination

In addition to termination under Sections 9.a and 9.b of this Agreement, the County may terminate this Agreement, or all or any portion of the Services to be performed under it, at any time by a notice in writing from the County to Consultant. The County will give notice to Consultant in accordance with the provisions of Article 11. The effective date of termination will be the date the notice is received by Consultant or the date stated in the notice, whichever is later. If the County elects to terminate this Agreement in full, all Services to be provided under it must cease and all materials that may have been accumulated in performing this Agreement, whether completed or in the process, must be delivered to the County effective 10 days after the date the notice is considered received as provided under Article 11 of this Agreement (if no date is given) or upon the effective date stated in the notice.

After the notice is received, Consultant must restrict its activities, and those of its Subcontractors, to winding down any reports, analyses, or other activities previously begun. No costs incurred after the effective date of the termination are allowed. Payment for any Services actually and satisfactorily performed before the effective dateof the termination is on the same basis as set forth in Article 5, but if any compensation is described or provided for on the basis of a period longer than 10 days, then the compensation must be prorated accordingly. No amount of compensation, however, is permitted for anticipated profits on unperformed Services. The County and Consultant must attempt to agree on the amount of compensation to be paid to Consultant, but if not agreed on, the dispute must be settled in accordance with Article 6 of this Agreement. The payment so made to Consultant is in full settlement for all Services satisfactorily performed under this Agreement.

Consultant must include in its contracts with Subcontractors an early termination provision in form and substance equivalent to this early termination provision to prevent claims against the County arising from termination of subcontracts after the early termination. Consultant will not be entitled to make any early termination claims against the County resulting from any Subcontractor’s claims against Consultant or the County tothe extent inconsistent with this provision.

If the County's election to terminate this Agreement for default under Sections 9.a and 9.b is determined in a court of competent jurisdiction to have been wrongful, then in that case the termination is to be considered to be an early termination under this Section 9.c.

d) Suspension

The County may at any time request that Consultant suspend its Services, or any part of them, by giving 15 days prior written notice to Consultant or upon informal oral, or even no notice, in the event of emergency. No costs incurred after the effective date of such suspension are allowed. Consultant must promptly resume its performance of the Services under the same terms and conditions as stated in this Agreement upon written notice by the Chief Procurement Officer and such equitable extension of time as may be mutually agreed upon by the Chief Procurement Officer and Consultant when necessary for continuation or completion of Services. Any additional costs or expenses actually incurred by Consultant as a result of recommencing the Services must be treated in accordance with the compensation provisions under Article 5 of this Agreement.

No suspension of this Agreement is permitted in the aggregate to exceed a period of 45 days within any one year of this Agreement. If the total number of days of suspension exceeds 45 days, Consultant by written notice may treat the suspension as an early termination of this Agreement under Section 9.c.

e) Right to Offset

In connection with performance under this Agreement, the County may offset any excess costs incurred:

i) if the County terminates this Agreement for default or any other reason resulting from Consultant's performance or non-performance;

ii) if the County exercises any of its remedies under Section 9.b of this Agreement; or

iii) if the County has any credits due or has made any overpayments under this Agreement.

The County may offset these excess costs by use of any payment due for Services completed before the County terminated this Agreement or before the County exercised any remedies. If the amount offset is insufficient to cover those excess costs, Consultant is liable for and must promptly remit to the County the balance upon written demand for it. This right to offset is in addition to and not a limitation of any other remedies available to the County.

f) Delays

Consultant agrees that no charges or claims for damages shall be made by Consultant for any delays or hindrances from any cause whatsoever during the progress of any portion of this Contract.

g) Prepaid Fees

In the event this Contract is terminated by either party, for cause or otherwise, and the County has prepaid for any Deliverables, Consultant shall refund to the County, on a prorated basis to the effective date of termination, all amounts prepaid for Deliverables not actually provided as of the effective date of the termination. The refund shall be made within fourteen (14) days of the effective date of termination.

ARTICLE 10) GENERAL CONDITIONS

a) Entire Agreement

i) **General**

This Agreement, and the exhibits attached to it and incorporated in it, constitute the entire agreement between the parties and no other warranties, inducements, considerations, promises or interpretations are implied or impressed upon this Agreement that are not expressly addressed in this Agreement.

ii) **No Collateral Agreements**

Consultant acknowledges that, except only for those representations, statements or promises expressly contained in this Agreement and any exhibits attached to it and incorporated by reference in it, no representation, statement or promise, oralor in writing, of any kind whatsoever, by the County, its officials, agents or employees, has induced Consultant to enter into this Agreement or has been reliedupon by Consultant, including any with reference to:

(a) the meaning, correctness, suitability or completeness of any provisions or requirements of this Agreement;

(b) the nature of the Services to be performed;

(c) the nature, quantity, quality or volume of any materials, equipment, labor and other facilities needed for the performance of this Agreement;

(d) the general conditions which may in any way affect this Agreement or its performance;

(e) the compensation provisions of this Agreement; or

(f) any other matters, whether similar to or different from those referred to in (a) through (e) immediately above, affecting or having any connection with this Agreement, its negotiation, any discussions of its performance orthose employed or connected or concerned with it.

iii) **No Omissions**

Consultant acknowledges that Consultant was given an opportunity to review all documents forming this Agreement before signing this Agreement in order that it might request inclusion in this Agreement of any statement, representation, promise or provision that it desired or on that it wished to place reliance. Consultant did so review those documents, and either every such statement,representation, promise or provision has been included in this Agreement or else, if omitted, Consultant relinquishes the benefit of any such omitted statement, representation, promise or provision and is willing to perform this Agreement in its entirety without claiming reliance on it or making any other claim on account of its omission.

b) Counterparts

This Agreement is comprised of several identical counterparts, each to be fully signed by the parties and each to be considered an original having identical legal effect.

c) Contract Amendments

The parties may during the term of the Contract make amendments to the Contract but only as provided in this section. Such amendments shall only be made by mutual agreement in writing.

In the case of Contracts not approved by the Board, the Chief Procurement Officer may amend a contract provided that any such amendment does not extend the Contract by more than one (1) year, and further provided that the total cost of all such amendments does not increase the total amount of the Contract beyond $150,000. Such action may only be made with the advance written approval of the Chief Procurement Officer. If the amendment extends the Contract beyond one (1) year or increases the total award amount beyond $150,000, then Board approval will be required.

No Using Agency or employee thereof has authority to make any amendments to this Contract. Any amendments to this Contract made without the express written approval of the Chief Procurement Officer is void and unenforceable.

Consultant is hereby notified that, except for amendments which are made in accordance with this Section10.c. Contract Amendments, no Using Agency or employee thereof has authority to make any amendment to this Contract.

d) Governing Law and Jurisdiction

This Contract shall be governed by and construed under the laws of the State of Illinois. The Consultant irrevocably agrees that, subject to the County's sole and absolute election to the contrary, any action or proceeding in any way, manner or respect arising out of the Contract, or arising from any dispute or controversy arising in connection with or related to the Contract, shall be litigated only in courts within the Circuit Court of Cook County, State of Illinois, and the Consultant consents and submits to the jurisdiction thereof. In accordance with these provisions, Consultant waives any right it may have to transfer or change the venue of any litigation brought against it by the County pursuant to this Contract.

e) Severability

If any provision of this Agreement is held or considered to be or is in fact invalid, illegal, inoperative or unenforceable as applied in any particular case in any jurisdiction or in all cases because it conflicts with any other provision or provisions of this Agreement or of any constitution, statute, ordinance, rule of law or public policy, or for any other reason, those circumstances do not have the effect of rendering the provision in question invalid, illegal, inoperative or unenforceable in any other case or circumstances, or of rendering any other provision or provisions in this Agreement invalid, illegal, inoperative or unenforceable to any extent whatsoever. The invalidity, illegality, inoperativeness or unenforceability of any one or more phrases, sentences, clauses or sections in this Agreement does not affect the remaining portions of this Agreement or any part of it.

f) Assigns

All of the terms and conditions of this Agreement are binding upon and inure to the benefit of the parties and their respective legal representatives, successors and assigns.

g) Cooperation

Consultant must at all times cooperate fully with the County and act in the County's best interests. If this Agreement is terminated for any reason, or if it is to expire on its own terms, Consultant must make every effort to assure an orderly transition to another provider of the Services, if any, orderly demobilization of its own operations in connection with the Services, uninterrupted provision of Services during any transition period and must otherwise comply with the reasonable requests and requirements of the Using Agency in connection with the termination or expiration.

h) Waiver

Nothing in this Agreement authorizes the waiver of a requirement or condition contrary to law or ordinance or that would result in or promote the violation of any federal, state or local law or ordinance.

Whenever under this Agreement the County by a proper authority waives Consultant's performance in any respect or waives a requirement or condition to either the County's or Consultant's performance, the waiver so granted, whether express or implied, only applies to the particular instance and is not a waiver forever or for subsequent instancesof the performance, requirement or condition. No such waiver is a modification of this Agreement regardless of the number of times the County may have waived the performance, requirement or condition. Such waivers must be provided to Consultant in writing.

i) Independent Consultant

This Agreement is not intended to and will not constitute, create, give rise to, or otherwise recognize a joint venture, partnership, corporation or other formal business association or organization of any kind between Consultant and the County. The rights and the obligations of the parties are only those expressly set forth in this Agreement. Consultant must perform under this Agreement as an independent Consultant and not as arepresentative, employee, agent, or partner of the County.

This Agreement is between the County and an independent Consultant and, if Consultant is an individual, nothing provided for under this Agreement constitutes or implies an employer-employee relationship such that:

i) The County will not be liable under or by reason of this Agreement for the payment of any compensation award or damages in connection with the Consultant performing the Services required under this Agreement.

ii) Consultant is not entitled to membership in the County Pension Fund, Group Medical Insurance Program, Group Dental Program, Group Vision Care, Group Life Insurance Program, Deferred Income Program, vacation, sick leave, extended sick leave, or any other benefits ordinarily provided to individuals employed and paid through the regular payrolls of the County.

iv) The County is not required to deduct or withhold any taxes, FICA or otherdeductions from any compensation provided to the Consultant.

j) Governmental Joint Purchasing Agreement

Pursuant to Section 4 of the Illinois Governmental Joint Purchasing Act (30 ILCS 525) and the Joint Purchase Agreement approved by the Cook County Board of Commissioners (April 9, 1965), other units of government may purchase goods or services under this contract.

In the event that other agencies participate in a joint procurement, the County reserves the right to renegotiate the price to accommodate the larger volume.

k) Comparable Government Procurement

As permitted by the County of Cook, other government entities, if authorized by law, may wish to purchase the goods, supplies, services or equipment under the same terms and conditions contained in this Contract (i.e., comparable government procurement). Each entity wishing to reference this Contract must have prior authorization from the County of Cook and the Consultant. If such participation is authorized, all purchaseorders will be issued directly from and shipped directly to the entity requiring the goods, supplies, equipment or services supplies/services. The County shall not be held responsible for any orders placed, deliveries made or payment for the goods, supplies, equipment or services supplies/services ordered by these entities. Each entity reserves theright to determine the amount of goods, supplies, equipment or services it wishes to purchase under this Contract.

l) Force Majeure

Neither Consultant nor County shall be liable for failing to fulfill any obligation under this Contract if such failure is caused by an event beyond such party's reasonable control and which is not caused by such party's fault or negligence. Such events shall be limited to acts of God, acts of war, fires, lightning, floods, epidemics, or riots.

m) Federal Clauses

The following provisions apply to all Contracts which are funded in whole or in part with federal funds.

i) Equal Opportunity

a. During the performance of this contract, the contractor agrees as follows:
(1) The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.
(2) The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin.

(3) The contractor will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with the contractor's legal duty to furnish information.
(4) The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representatives of the contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
(5) The contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.
(6) The contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, andorders.
(7) In the event of the contractor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part and the contractor may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions maybe imposed and remedies invoked as provided in Executive Order 11246 ofSeptember 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.
(8) The contractor will include the portion of the sentence immediately preceding paragraph (1) and the provisions of paragraphs (1) through (8) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance:
Provided, however, that in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such

direction by the administering agency, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

The applicant further agrees that it will be bound by the above equal opportunity clause with respect to its own employment practices when it participates in federally assisted construction work: Provided, That if the applicant soparticipating is a State or local government, the above equal opportunity clause is not applicable to any agency, instrumentality or subdivision of such government which does not participate in work on or under the contract.

The applicant agrees that it will assist and cooperate actively with the administering agency and the Secretary of Labor in obtaining the compliance of contractors and subcontractors with the equal opportunity clause and the rules, regulations, and relevant orders of the Secretary of Labor, that it will furnish the administering agency and the Secretary of Labor such information as they may require for the supervision of such compliance, and that it will otherwise assist theadministering agency in the discharge of the agency's primary responsibility for securing compliance.

The applicant further agrees that it will refrain from entering into any contract or contract modification subject to Executive Order 11246 of September 24, 1965, with a contractor debarred from, or who has not demonstrated eligibility for, Government contracts and federally assisted construction contracts pursuant to the Executive Order and will carry out such sanctions and penalties for violation of the equal opportunity clause as may be imposed upon contractors and subcontractors by the administering agency or the Secretary of Labor pursuant to Part II, Subpart D of the Executive Order. In addition, the applicant agrees that if it fails or refuses to comply with these undertakings, the administering agency may take any or all of the following actions: Cancel, terminate, or suspend in whole or in part this grant (contract, loan, insurance, guarantee); refrain from extending any further assistance to the applicant under the program with respectto which the failure or refund occurred until satisfactory assurance of futurecompliance has been received from such applicant; and refer the case to the Department of Justice for appropriate legal proceedings.

ii) Davis-Bacon Act, as amended (40 U.S.C. 3141-3148)

a. When required by Federal program legislation, all construction contracts awarded by the recipients and subrecipients of more than $2000 shall include a provision for compliance with the Davis-Bacon Act ((40 U.S.C. 3141-3148) and as supplemented by Department of Labor regulations (29 CFR part 5, "Labor Standards Provisions Applicable to Contracts Governing Federally Financed and Assisted Construction").
b. Under this Act, contractors shall be required to pay wages to laborers and mechanics at a rate not less than the minimum wages specified in a wage determination made by the Secretary of Labor. In addition, contractors shall be required to pay wages not less than once a week. The recipient shall place a copy of the current prevailing wage determination issued by the Department of Labor in each solicitation and the award of a contract shall be conditioned

upon the acceptance of the wage determination. The recipient shall report all suspected or reported violations to the Federal awarding agency.

iii) Copeland "Anti-Kickback" Act (40 U.S.C. 3145)

All contracts and subgrants in excess of $2000 for construction or repair awarded by recipients and subrecipients shall include a provision for compliance with the Copeland "Anti-Kickback" Act (40 U.S.C. 3145), as supplemented by Department of Labor regulations (29 CFR part 3, "Contractors and Subcontractorson Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States"). The Act provides that each contractor or subrecipient shall be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up anypart of the compensation to which he is otherwise entitled. The recipient shall report all suspected or reported violations to the Federal awarding agency.

iv) Contract Work Hours and Safety Standards Act (40 U.S.C. 3701-3708)

Where applicable, all contracts awarded by recipients in excess of $100,000 that involve the employment of mechanics or laborers shall include a provision for compliance with 40 U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR part 5). Under 40 U.S.C. 3702 of the Act, eachcontractor shall be required to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than 1 ½ times the basic rate of pay for all hours worked in excess of 40hours in the work week. The requirements of 40 U.S.C. 3704 are applicable to construction work and provides that no laborer or mechanic shall be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous. These requirements do not apply to the purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.

v) Clean Air Act (42 U.S.C. 7401 et seq.) and the Federal Water Pollution Control Act (33 U.S.C. 1251 et seq.), as amended

Contracts and subgrants of amounts in excess of $15000,000 shall contain a provision that requires the recipient to agree to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401 et seq.) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251 et seq.). Violations shall be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA).

vi) Debarment and Suspension (E.O.s 12549 and 12689)

No contract shall be made to parties listed on the General Services Administration's List of Parties Excluded from Federal Procurement or Nonprocurement Programs in accordance with E.O.s 12549 and 12689, "Debarment and Suspension." This list contains the names of parties debarred, suspended, or otherwise excluded by agencies, and contractors declared ineligible under statutory or regulatory authority other than E.O. 12549. Contractors with awards that exceed the small purchase threshold shall provide the required certification regarding its exclusion status and that of its principal employees.

vii) Byrd Anti-Lobbying Amendment (31 U.S.C. 1352)

Contractors who apply or bid for an award of $100,000 or more shall file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier shall also disclose any lobbying with non-Federal funds that takes place in connection with obtaining anyFederal award. Such disclosures are forwarded from tier to tier up to the recipient.

viii) Rights to Inventions Made Under a Contract or Agreement

Contracts or agreements for the performance of experimental, developmental, or research work shall provide for the rights of the Federal Government and the recipient in any resulting invention in accordance with 37 CFR part 401, "Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements," and any implementing regulations issued by the awarding agency.

ARTICLE 11) NOTICES

All notices required pursuant to this Contract shall be in writing and addressed to the parties at their respective addresses set forth below. All such notices shall be deemed dulygiven if hand delivered or if deposited in the United States mail, postage prepaid, registered or certified, return receipt requested. Notice as provided herein does not waive service of summons or process.

If to the County: George W. Dunne Cook County Office Building
Department of Transportation and Highways
69 West Washington Street, 24th Floor
Chicago, Illinois 60602
Attention: Superintendent, Transportation and Highways
Contract No._____

and

Cook County Chief Procurement Officer
69 West Washington Street, 30th Floor
Chicago, Illinois 60602
(Include County Contract Number on all notices)

If to Consultant: Michael Baker International, Inc.
200 West Adams Street, Suite 1800
Chicago, IL 60606
Attention: Joseph Catalano

Changes in these addresses must be in writing and delivered in accordance with the provisions of this Article 11. Notices delivered by mail are considered received three days after mailing in accordance with this Article 11. Notices delivered personally are considered effective upon receipt. Refusal to accept delivery has the same effect as receipt.

ARTICLE 12) AUTHORITY

Execution of this Agreement by Consultant is authorized by a resolution of its Board of Directors, if a corporation, or similar governing document, and the signature(s) of each person signing on behalf of Consultant have been made with complete and full authority to commit Consultant to all terms and conditions of this Agreement, including each and every representation, certification and warranty contained in it, including the representations, certifications and warranties collectively incorporated by reference in it.

EXHIBIT 1

Board Authorization

Legislation Details (With Text)

File #:	23-2951	**Version:**	1	**Name:**	Contract for Construction for Central Avenue CMS
Type:	Contract (Highway)			**Status:**	Approved
File created:	5/11/2023			**In control:**	Board of Commissioners
On agenda:	6/29/2023			**Final action:**	6/29/2023

Title: PROPOSED CONTRACT (TRANSPORTATION AND HIGHWAYS)

Department(s): Transportation and Highways

Vendor: Michael Baker International, Inc., Chicago, Illinois

Request: Authorization for the Chief Procurement Officer to enter into and execute contract.

Good(s) or Service(s): Construction Management Services - Central Avenue Bridge Deck Replacement

Location: Cook County Commissioner District 16

Section: 22-W3924-03-BR

Contract Value: $4,796,720.00

Contract period: 7/1/2023 - 9/30/2027

Potential Fiscal Year Budget Impact: FY 2023 $959,344.00; FY 2024 $1,918,688.00; FY 2025 $1,678,852.00; FY 2026 $239,836.00

Accounts: 11300.1500.29152.560019

Contract Number(s): 2238-06220

Concurrences:
The vendor has met the Minority- and Women-owned Business Enterprise Ordinance via: Direct Participation.

The Chief Procurement Officer concurs.

Summary: The Department of Transportation and Highways respectfully requests approval of the proposed Contract between Cook County and Michael Baker International, Inc., Chicago, Illinois.

This contract provides for construction management services for the Central Avenue Bridge Deck Replacement - I-55 to Pershing Road project located in the Village of Stickney and Forest View, all in accordance with the Illinois Department of Transportation (IDOT) requirements. Services include oversight in construction supervision, inspection and documentation in pre-construction, construction, and post construction phases. The Consultant will provide qualified individuals who will work under the direction and guidance of the Department's Bureau of Construction in various roles. Roles include project manager, resident engineer, assistant resident engineer, inspector, and others as required. The Consultant may be tasked to coordinate with property owners, businesses, community stakeholders and utility companies as well as with various Municipal, County, State and Federal departments when applicable.

This contract is awarded pursuant to a publicly advertised Request for Qualifications (RFQ) in

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accordance with the Cook County Procurement Code. Michael Baker International, Inc., was selected based on established evaluation criteria.

Sponsors:

Indexes: JENNIFER (SIS) KILLEN, Superintendent, Department of Transportation and Highways

Code sections:

Attachments:

Date	Ver.	Action By	Action	Result
6/29/2023	1	Board of Commissioners	approve	Pass

PROPOSED CONTRACT (TRANSPORTATION AND HIGHWAYS)

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EXHIBIT 2

Scope of Services

EXHIBIT 2: SCOPE OF WORK

1.1 Administrative Tasks

The Consultant shall maintain a database to document and track the various tasks, deliverables, and budget issued under this contract. The consultant shall also be available for a weekly check-in call or in- person meeting with the County to provide general status updates for tasks and/or the contract itself.

1.2 Technical Tasks

The Consultant will provide Construction Management Services (CMS) for the project using CCDOTH's web-based construction management systems. The services will be inclusive of manpower, materials, tools, equipment, software and incidentals required to successfully accomplish the project. All such resources will be up-to-date in meeting the regional industry standards normally associated with and essential to these services.

The Consultant will assemble a team that has the expertise required for the project's stated work. The team will provide the required services, as set forth below, and ensure the performance and completion of the project in accordance with its contract. The team is expected to interact with the public as a representative of the County. It is expected that the team will coordinate with various property owners, businesses, community stakeholders, utility companies, local, state and federal entities. All services are to be performed in accordance with Cook County Department of Transportation and Highways (CCDOTH) and Illinois Department of Transportation (IDOT) requirements. Reference materials that the team will be required to utilize are the CCDOTH's Construction Bureau Manual, policies, procedures, IDOT's Standard Specifications for Road and Bridge Construction, manuals, checklists, procedures, guides. Also, all services must be performed in a manner which fulfills all criteria related to local, state, and federal grant funds as required.

A project specific website will be required for this project and will be the responsibility of the Consultant to create, host, maintain, update, and provide regular email updates to those who register. All website materials must be approved by CCDOTH prior to being published.

The Consultant will provide Unmanned Aircraft System (UAS) primarily for photographic and video documentation of the project. The consultant is responsible to ensure that all FAA, federal, state, and CCDOTH requirements, including use of the Drone Zone portal or the Low Altitude Authorization and Notification Capability (LAANC) program, are met prior to any drone usage. Cook County must be indemnified in the UAS specific insurance. Videos and photos should be provided in .MOV and .JPG file formats in a resolution acceptable to CCDOTH. Drone usage will be required at the following frequencies:

1. Before construction begins
2. At the midpoint of each construction season
3. At the end of each construction season prior to winter weather for a multi-season project
4. At the beginning of each spring season for multi-season projects
5. After construction is completed
6. One additional usage at the discretion of CCDOTH for each construction season of a project.

Construction Management Services include but are not limited to the following:

Pre-Construction Phase

- Review all project bid/contract documents, plans and specifications, addenda, quantities, elevations and dimensions.
- Review and document existing site conditions. Anticipate any potential conflicts / issues and develop alternative solutions.
- Perform original cross-sectioning.
- Set up master file system/project box (daily diary, field books, quantity books, as built plans, forms, reports, logs etc.) following the Cook County Construction Bureau Manual policies and procedures.
- Review and fulfill all reporting requirements for project grants, agreements and permits.
- Coordinate, monitor and document utility and other permit work.
- Chair and/or participate in various meetings; Prepare/compile/distribute required meeting materials (pre-meeting: agenda, topic items, etc.; post-meeting: meeting minutes, action items, etc.).

Construction Phase

- Perform outreach to the municipalities, property owners, businesses, other community stakeholders and the general public.
- Review the project progress schedule for compliance with contract milestones; Monitor progress of work in accordance with approved schedule; Recommend actions if actual progress is behind approved schedule.
- Maintain master file system/project box (daily diary, field books, quantity books, as built plans, forms, reports, logs etc.), following Cook County Construction Bureau Manual policies and procedures, and ensure it remains neatly arranged and in proper order and up to date.
- Keep all project documentation (daily diary, field books, quantity books, as-built plans, forms, reports, logs, etc.) up to date and include all relevant observations/information.
- Review all submittals, RFIs, extra work and AUPs for compliance with the construction contract and respond accordingly; Maintain logs, track status, and ensure timely turnaround.
- Inspect the establishment and maintenance of traffic control and protection and pedestrian access for conformance with the contract plans and documents; Perform all necessary traffic control and pedestrian access checks, document deficiencies and provide to the contractor for timely action; Verify satisfactory correction within the allotted time; Otherwise, inform the Department of deficiencies not corrected by the Contractor and impose traffic control deficiency deduction until resolved.
- Monitor and document erosion control; Ensure conformity with the contract plans and documents.
- Verify construction layout; Inspect and monitor materials, ensure proper certification; Inspect general construction for compliance with all contract documents.
- Perform check of sidewalks, ramps and crosswalks for compliance with ADA requirements and fulfill all reporting requirements.
- Resolve construction design and other issues; Issue field orders and update field order log; Negotiate contract extra work and AUPs; incorporate all revisions into project documentation and reflect on as-built plans.
- Chair and/or participate in various meetings; Prepare/compile/distribute required meeting materials (pre-meeting: agenda, topic items, etc.; post-meeting: meeting minutes, action items, etc.).
- Measure, calculate and quantify items; Prepare progressive documentation.
- Prepare pay estimates and change orders.
- Prepare weekly and monthly project reports.

- Coordinate, monitor and document utility and other permit work.
- Review material test reports for concrete, asphalt and aggregates; Update and issue material test reports log
- Maintain a running list of all remedial work items and periodically provide to contractor for timely action; Facilitate timely and satisfactory completion of all work and acceptance of the project.
- Perform final inspection of the project with the Department, Contractor(s), local and/or state agency representatives; Indicate all remedial work items on the final inspection report and provide to the Contractor for timely action; Verify satisfactory completion of all remedial work within the allotted time and provide a recommendation to the Department for acceptance of the project; Otherwise, inform the Department of remedial work not completed by the Contractor and impose liquidated damages until resolved.
- Review and fulfill all construction requirements and reporting for project grants, agreements and permits.

Post Construction Phase

- Complete evaluations for all Contractors who performed work on the project.
- Conduct post construction meeting(s) with all interested parties.
- Transmit all warranties/guarantees.
- Complete, review, and compile final quantities and all final documentation
- Prepare balancing change order
- Complete and submit the master file system/project box (field books, quantity books, daily diary, as built plans, forms, reports, logs etc.), following Cook County Construction Bureau Manual policies and procedures.
- Finalize all reporting requirements for project grants, agreements and permits.

The Department must receive the master file system/project box (complete with all field books, quantity books, daily diary, as built plans, forms, reports, logs, and all other supporting delivery tickets, certifications, documentation, etc.) from the Consultant no later than 60 days after the substantial completion date of the project, as indicated in the contract Exhibit A – Schedule or as revised and approved.

CENTRAL ROAD

PROJECT INFORMATION

The scope of work for the project is the removal and replacement of the concrete deck from spans 6 to 33, cleaning and painting of the structural steel, bearing removal and replacement, and substructure concrete repairs.



EXHIBIT 3

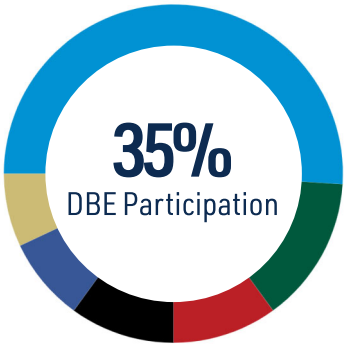
Key Personnel

ORGANIZATIONAL CHART

PROJECT TEAM

MICHAEL BAKER INTERNATIONAL (MICHAEL BAKER)
BOWMAN CONSULTING GROUP, LTD. (BOWMAN)
APS CONSULTING GROUP, INC. (APS)
MATERIAL SERVICE TESTING, INC. (MST)
PROGRAM MANAGEMENT & CONTROL SERVICES, LLC (PMCS)
THE RODERICK GROUP, INC. DBA ARDMORE RODERICK (ARDMORE RODERICK)

**RESUMES INCLUDED*



CCDOTH



PROJECT MANAGER
SCOTT RODSETH, PE *
IDOT Doc. Cert. #19-15843 & CMMS Trained



RESIDENT ENGINEER
NAVEEN PARAKALLA, PE *
IDOT Doc. Cert. #21-18319 & CMMS Trained



ASSISTANT RESIDENT ENGINEER
THOMAS GIBBS, PE *
IDOT Doc. Cert. #19-15618 & CMMS Trained

PRINCIPAL IN CHARGE
JOE CATALANO, PE *

CM QUALITY REPRESENTATIVES
DAN JOHNSON, EIT *
IDOT Doc. Cert. #20-18041 & CMMS Trained

KERRY NUTTER *

DOCUMENTATION & MATERIALS

DOCUMENTATION ENGINEER/ TECHNICIAN, MATERIALS COORDINATOR
PAUL WILK, PE *
IDOT Doc. Cert. #21-18933 & CMMS Trained

MATERIAL ENGINEER (QA TECHNICIAN)
FREDRICK GRANVILLE *

MATERIAL ENGINEER (LABORATORY TECHNICIAN)
JAYESHKUMAR PATEL*

INSPECTION

CONSTRUCTION INSPECTOR LEAD
JOSEPH JACOBSEN, PE *

CONSTRUCTION INSPECTORS
SAIF ALOMARI *

MOHAMMED MAZHERUDDIN, PE*

BRIAN PARKS *

FAZALULLAH KHAN *

DAVID SILVA, PE *

SURVEY

SURVEY CHIEF
DONALD DEMKOVICH, PLS*

SUPPORT

UNMANNED AIRCRAFT SYSTEM LEAD
ALICIA MCCONNELL, PE, SUAS*

ENVIRONMENTAL ADVISOR
WENDY VACHET, AICP*

MWRD COORDINATOR
TATIANA PAPAKOS, PE, CFM *

BRIDGE CONDITION INSPECTOR
DENNIS MORGAN, PE, SE, SPRAT I*

STRUCTURAL ADVISOR
MARY LOU KUTSKA, PE, SE*

RAILROAD ADVISOR
MATT KIRBY, PE, MLE, MASCE*

KEY PERSONNEL

Michael Baker has a full-service team located right here in Cook County with a focus on delivering asset inspections, structure repairs, structure replacements, transportation planning work, utility work, construction support, GIS, environmental and other services for some of the region's most critical infrastructure projects. We are dedicated to this contract and to the county's success. Our local presence in the county means our management and delivery teams will respond quickly to the CCDOTH's needs. The relationships our entire team has established with your staff, the community, and key stakeholders will streamline management of each task, and promate coordination, collaboration, and timely resolution of issues, resulting in an efficient, economical, and optimal solution every time.

We have provided a resident engineer and assistant engineer that are properly licensed in IL. Their Illinois license numbers are included on their resumes. Core key personnel identified in the organizational chart are below. Those staff are as follows:

MICHAEL BAKER KEY STAFF

Scott Rodseth, PE, will serve as Project Manager and be responsible for managing the team's efforts, ensuring completeness and reasonable interpretation of information, client and subconsultant coordination, and timely completion of services. Scott brings a depth of experience and knowledge in the construction engineering field as his background includes staff, project, and community outreach management on roadway, bridge, and underground construction projects.

Naveen Parakalla, PE, will serve as Resident Engineer and be the primary person responsible for internal coordination among the team members.

Paul Wilk, PE, will serve as Document Engineer/Technician and Materials Coordinator. He has experience in construction inspection and materials and has worked in the office as a designer for work in roadways, airfields, drainage, and environmental projects.

Joseph Jacobsen, PE, will serve as Lead Inspector/MOT Coordinator. His expertise in construction inspection and administration and knowledge of rail safety and operation provides a solid foundation for the successful completion of projects.

Alicia McConnell, PE, sUAS, will serve as Unmanned Aircraft System Lead. She has been leading the UAS program at Michael Baker International since 2018. She is a certified Part 107 UAS pilot with significant experience in bridge inspections.

Wendy Vachet, AICP, will serve as Environmental Support. She is a senior project manager and planning practitioner specializing in integrated planning solutions for data-driven, informed decision-making and has extensive experience with multidiscipline technical teams, integrated analyses, and stakeholder and community engagement for transportation, land use, and environmental projects.

Tatiana Papkos, PE, M.ASCE, will serve as MWRD Coordination Support. She specializes in hydrologic and hydraulic (H&H) modeling, drainage design, hydraulic studies, floodplain analysis, watershed and stormwater master planning, and low impact development (LID) design.

Matt Kirby, PE, M.ASCE, will serve as Railroad Support. He has roadway design specialization in geometric design, traffic staging, project scheduling, and roadside safety, and flexibility to support rail projects.

Mary Lou Kutska, PE, SE, will serve as Structural Support. She is a structural engineer with experience in bridge structural analysis and design.

Dennis Morgan, PE, SE, will serve as Bridge Inspection Support. He *is experienced in complex bridge design, major river bridge inspection, and bridge load ratings.*

Daniel Johnson, EIT, will serve as CM Quality Representative Support. His work has focused on roadway reconstruction, subgrade aggregate installation, and drainage construction.

KEY PERSONNEL

BOWMAN CONSULTING GROUP KEY STAFF

Thomas Gibbs, PE, will serve as Assistant Resident Engineer. He has provided construction engineering on bridge projects in Cook County. He is experienced with AutoCAD, Revit Architecture, Navisworks, HCS software, and Bluebeam.

Brian Parks will serve as Construction Inspector. He has 30 years of experience in engineering with expertise in reading and interpreting architectural and civil drawings and maps, and providing on-site construction inspection and documentation of construction projects.

APS CONSULTING KEY STAFF

Mohammed Mazheruddin, PE, will serve as Construction Inspection. He has more than 2 years of experience following the completion of his Master of Science in Engineering in December of 2020.

MATERIAL SERVICE TESTING KEY STAFF

Fredrick Granville will serve as Material Engineer/Inspector. He has more than 20 years of experience as a construction materials field inspector and technician.His experience includes documentation,subsurface explorations, geotechnical inspections, PCC and HMA testing on interstates, state routes, local roads, and private developments in the field.

Jayeshkumar Patel will serve as Materials Engineer/Inspector. He has more than seven years of experience as a Laboratory Technician. He is responsible for performing laboratory testing in an IDOT approved labs.

PROGRAM MANAGEMENT & CONTROL SERVICES KEY STAFF

Kerry Nutter will serve as CM Quality Representative Support. She is a seasoned quality and project controls manager focused on the program management of large publicly funded infrastructure improvement programs.

THE RODERICK GROUP KEY STAFF

Donald Demkovich, PLS will serve as Survey Chief. He is highly experienced in providing a variety of surveying services, including the preparation of plats and legal descriptions, pre-design topography, and various layouts.

Fazalullah Khan will serve as Construction Inspector. He has more than 26 years of experience in construction management, bidding, estimation and negotiation for highway, bridge, and transit system projects including cleaning and painting of existing steel structures.

RFQ NO: 2238-06220

FORM B-EXPERIENCE OF KEY PERSONNEL

Key Personnel Name: Scott Rodseth

Respondent/ Subconsultant: Michael Baker International

Person's Title in Project: Project Manager

Project Title: I-18-4694/4695 - I-490 and I-90 Interchange Bridge Construction

Time Period of Involvement: 8/2018 to 1/2020

Total dollar value of Project: $16,000,000.00

Licensed? Y_X_ N____

CLIENT

Client Name: Illinois Tollway

Address: 2700 Ogden Avenue, Downers Grove, Illinois

Reference:

Jeff Allen	Engineering	Project Manager	331-481-0112
CONTACT NAME:	FIRM OR CLIENT DEPT.	TITLE	TELEPHONE

Email: jallen@getipass.com

Brief Description of the Projects relevant to this RFQ

- Cook County DOTH, Construction Manual Rewrite, Project Manager
- Cook County DOTH, Special Provisions and Details, Project Manager
- Cook County Central Avenue Emergency Bridge Repairs, Project Manager
- Joliet Regional Port District, ATCT KLOT Construction, Resident Engineer
- IDOT District 4 McClugage Brtidge,Lead Consultant Project Manager

Experience before joining Michael Baker:
- Illinois Tollway I-490 and I-90 Interchange Bridge Construction, Project Manager/Resident Engineer
- IDOT US Route 20/McLean Boulevard Reconstruction, Principal-In-Charge
- Big Rock Township, Price Road over Big Rock Creek, Project Manager

EDUCATION AND ADDITIONAL RELEVANT INFORMATION: In 250 words or less, summarize additional relevant information.

Education

B.S., 2007, Civil Engineering, Valparaiso University

Licenses/Certifications

IDOT Soils Density S-33, Illinois, 2016, 3533459
NS Roadway Worker Protection Certification, 2022, 5595395
Professional Engineer, Illinois, 2011, 062063857
OSHA 30-Hour Construction Outreach Training, 2020
IDOT Documentation of Contract Quantities, Illinois, 2019, 19-15843
IDOT Erosion & Sediment Control Training, Illinois, 2015

Mr. Rodseth is a Department Manager in Construction Services at Michael Baker International. He has a depth of experience and knowledge in the construction engineering field as his background includes staff, project, and community outreach management on roadway, bridge, and underground construction projects. His typical responsibilities include but are not limited to project management, resident engineering, construction monitoring, documentation, pay estimate and change management preparation, staffing coordination, surveying, QC/QA oversight, task management, material testing oversight, and resident/business/permitting coordination. Scott has performed these services on a wide variety of projects for clients including IDOT, ISTHA, CDOT, and local municipalities/counties.

RFQ NO: 2238-06220

FORM B-EXPERIENCE OF KEY PERSONNEL

Key Personnel Name: Naveen Parakalla, PE

Respondent/ Subconsultant: Michael Baker International

Person's Title in Project: Resident Engineer

Project Title: Tri-State Tollway (I-294) at 159th Street Bridge Reconstruction and Ramp Rehabilitation

Time Period of Involvement: 3/2018 to 11/2019 Total dollar value of Project: $13,500,000.00 Licensed? Y_X_ N____

CLIENT

Client Name: Illinois Tollway

Address: 2700 Ogden Avenue, Downers Grove, Illinois

Reference:

Manar Nashif	N/A	Chief Engineer	630-241-6800
CONTACT NAME:	FIRM OR CLIENT DEPT.	TITLE	TELEPHONE

Email: mnashif@getipass.com

Brief Description of the Projects relevant to this RFQ

- Cook County CM Services Work Order Contract, Constructability Reviews - Project Manager (transitioning into role now)

Experience before joining Michael Baker:
- Illinois Tollway, Systemwide Various Construction Contracts: Construction Walkthrough and Surety/Warranty Manager
- IDOT, I-90 (Kennedy) Noise Abatement Walls from IL 171 (Cumberland Avenue) to IL 43 (Harlem Avenue), Resident Engineer
- Illinois Tollway, Systemwide Construction Documentation Auditor, Documentation Engineer
- Chicago Department of Transportation, Sewer Improvements & Full Width Restoration, 77th Street and Blackstone Avenue, Resident Engineer

EDUCATION AND ADDITIONAL RELEVANT INFORMATION: In 250 words or less, summarize additional relevant information.

Education

M.S., 2008, Civil Engineering, University of Chicago
B.E., 2006, Civil Engineering, Osmania University, India

Licenses/Certifications

Professional Engineer, Illinois, 2017, 062-069502
NS Roadway Worker Protection Certification, 2022, 5510907
OSHA 30-Hour Construction Outreach Training, 2018, 36-601495337
IDOT Documentation of Contract Quantities, Illinois, 2021, 21-18319
IDOT Erosion & Sediment Control Training, Illinois, 2019
IDOT Mixture Aggregate, Illinois, 2012
IDOT PCC Level I QC/QA, Illinois, 2012
IDOT PCC Level II QC/QA, Illinois, 2013
OSHA 10-Hour Occupational Safety and Health Certification, 2017, 36-006000284
IDOT Erosion & Sediment Control Training, Illinois, 2019
IDOT Soils Density S-33, Illinois, 2020, 4688245
IDOT QC/QA Bituminous Level I, Illinois, 2012
IDOT QC/QA Bituminous Level II, Illinois, 2014

Mr. Parakalla is a civil engineer with experience in construction engineering and project management. His experience includes performing field inspection for roadways, bridges, piles, MSE walls, retaining walls, embankments, earth retention systems, underground utilities installations, erosion control and maintenance of traffic (MOT) activities. He also coordinated, scheduled & performed Pre-Final & Final Walkthroughs, Surety/Warranty inspections, memo preparation and surety repair coordination for various Tollway construction contracts. His experience includes project management, financial management, oversight of personnel and sub-consultants, scheduling, contractor-client coordination, liaison with community groups and government agencies, report preparation, and payment processing. His experience also includes on-site technical involvement to resolve field engineering issues, responding to contractor inquiries, and ensuring overall conformance with plans and specifications. He supervised field staff, coordinated field activities with contractors and owners, prepared contract modifications and cost estimates, reviewed material testing reports, prepared pay estimates, reviewed submittals and shop drawings and prepared final closeout documents.

RFQ NO: 2238-06220

FORM B-EXPERIENCE OF KEY PERSONNEL

Key Personnel Name: **Thomas Gibbs, PE**

Respondent/ Subconsultant: **Bowman Consulting Group Ltd.**

Person's Title in Project: Resident Engineer

Project Title: Construction Management Services for Various/Various Pavement Preservation & Rehab

Time Period of Involvement: 2022 - Present

Total dollar value of Project: $10,000,000.00

Licensed? Y_X_ N____

CLIENT

Client Name: Cook County Department of Transportation & Highways

Address: 69 W. Washington Street, 24th Floor, Chicago, IL 60602

Reference:

Jennifer "Sis" Killen	Cook County DOTH	Superintendent	312-603-1601
CONTACT NAME:	FIRM OR CLIENT DEPT.	TITLE	TELEPHONE

Email: Hwy.supt@cookcountyil.gov

Brief Description of the Projects relevant to this RFQ

Thomas Gibbs is serving as Resident Engineer for the following projects under this contract:

- **Cal-Sag Steel Truss Strengthening:** $6.5M contract which involves steel truss member repairs, deck slab repairs, and cleaning and painting of existing and new structural steel for four bridges over the Calumet-Sag Channel.

- **87th St Bridge over B&OCT Railroad:** $3.5M contract involving the full bridge deck, parapet and approach slab reconstruction, along with structural steel girder and substructure repairs.

EDUCATION AND ADDITIONAL RELEVANT INFORMATION: In 250 words or less, summarize additional relevant information.

M.S. Civil Engineering (Construction Engineering Management), University of Illinois at Urbana-Champaign, December 2018
B.S. Civil and Environmental Engineering, University of Illinois at Urbana-Champaign, May 2017
Professional Engineer: Illinois, #062-074356, 2022
IDOT Documentation of Contract Quantities #19-15618, Expires 3/28/23

In addition to the Cook County DOTH's projects above, Thomas Gibbs's experience also includes the following:

Illinois Tollway: Tri-State Tollway (I-294) Reconstruction, Mile Long Bridge, Cook County, IL. Assistant Resident Engineer-Structures for $200M project to construct a new 27-span bridge to replace the original structure and span the Illinois & Michigan Canal, Chicago Sanitary & Ship Canal, DesPlaines River, mainline CN RR, UPS facility, and BNSF RR intermodal freight facility, requiring significant stakeholder and utility coordination. Responsibilities include overseeing installation of MSE walls, temporary earth retention systems, drilled shafts, pier construction, erection of both steel and PPC beams related to the Mile Long Bridge and I-294 over LaGrange Road Bridge, and completing inspector reports to ensure correct practices and materials are used.

IDOT: Jane Byrne Interchange - I-90/94 NB: Roosevelt Road to Lake Street, Chicago, IL. Construction Inspector for $57.5M project involving roadway reconstruction/resurfacing, ramp modifications, retaining walls, and storm sewer and drainage.

IDOT: Various Phase III Pavement & Bridge Preservaton Inspection, Cook County, IL. Construction Inspector for smart overaly and standard overlay, ADA improvements, and culvert replacements.

RFQ NO: 2238-06220

FORM B-EXPERIENCE OF KEY PERSONNEL

Key Personnel Name: Paul Wilk, PE
Respondent/ Subconsultant: Michael Baker International

Person's Title in Project: Documentation Engineer/Technician, Materials Coordinator

Project Title: Central Avenue Emergency Bridge Repairs (CCDOTH) CM Services

Time Period of Involvement: 5/2022 - 9/2022 Total dollar value of Project: $1,000,000.00 Licensed? Y_X_ N____

CLIENT

Client Name: Cook County Department of Transportation and Highways

Address: 69 West Washington, Room 2, Chicago, Illinois 60602

Reference:

Joseph Barrins	Construction	Project Manager	312-590-5665
CONTACT NAME:	FIRM OR CLIENT DEPT.	TITLE	TELEPHONE

Email:Joseph.Barrins@cookcountyil.gov

Brief Description of the Projects relevant to this RFQ

- Cook County DOTH, Construction Manual Rewrite, Resident Engineer
- Cook County DOTH, Special Provisions and Details, Resident Engineer
- Joliet Regional Port District, ATCT KLOT Construction, Resident Engineer

Experience before joining Michael Baker:
- IDOT, Illinois Route 120 Resurfacing, Materials Coordinator/Construction Inspector
- IDOT, LaGrange Road Reconstruction, Materials Coordinator
- IDOT, I-290 Resurfacing, Materials Coordinator

EDUCATION AND ADDITIONAL RELEVANT INFORMATION: In 250 words or less, summarize additional relevant information.

Education
M.S., 2003, Public Works, Illinois Institute of Technology
B.S., 1999, Civil Engineering, Illinois Institute of Technology

Licenses/Certifications
OSHA 30-hour General Industry Safety and Health, 2019, 24-602016015
Professional Engineer, Illinois, 2004, 062057656
IDOT Soils Density S-33, Illinois, 2007
IDOT QC/QA Concrete Level II, Illinois, 1991
IDOT QC/QA Concrete Level I, Illinois, 1991
IDOT QC/QA Bituminous Level III, Illinois, 2006
IDOT QC/QA Bituminous Level II, Illinois, 1992
IDOT QC/QA Bituminous Level I, Illinois, 1992
IDOT Bituminous Nuclear Density, Illinois, 1991
IDOT Erosion & Sediment Control Training, Illinois, 2021
IDOT Documentation of Contract Quantities, Illinois, 2021, 21-18933

Mr. Wilk has experience in construction inspection and materials on projects for private owners, municipalities, state governments, and federal departments. He has worked in the office as a designer for work in roadways, airfields, drainage, and environmental projects. He has continued to study new items as interests have changed and has been willing to take additional training and certifications.

RFQ NO: 2238-06220

FORM B-EXPERIENCE OF KEY PERSONNEL

Key Personnel Name: Joseph Jacobsen, PE

Respondent/ Subconsultant: Michael Baker International

Person's Title in Project: Construction Inspector

Project Title: I-294 Central Tri-State Reconstruction

Time Period of Involvement: 4/2018 - 2/2020

Total dollar value of Project: $4,000,000,000.00

Licensed? Y_X_ N____

CLIENT

Client Name: Illinois Tollway

Address: 2700 Ogden Avenue, Downers Grove, Illinois

Reference:

Manar Nashif	Engineering	Chief Engineer	630-241-6800
CONTACT NAME:	FIRM OR CLIENT DEPT.	TITLE	TELEPHONE

Email:mnashif@getipass.com

Brief Description of the Projects relevant to this RFQ

- Norfolk Southern, Burns Harbor CM, Lead Inspector

Experience before joining Michael Baker:
- IDOT, I-55/Lake Shore Drive Flyover, Construction Engineer
- IDOT, Jane Byrne Interchange Reconstruction, Inspector
- Illinois Tollway, NSMJAWA Water Main Relation Projects, Construction and Documentation Engineer
- Illinois Tollway, I-90 Reconstruction Roselle Road to IL 53, Construction Engineer
- Blair Rail Yard, Field Engineer

EDUCATION AND ADDITIONAL RELEVANT INFORMATION: In 250 words or less, summarize additional relevant information.

Education

B.S., 2011, Civil Engineering, Oregon State University

Licenses/Certifications

Professional Engineer, Illinois, 2018, 062070396
NS Roadway Worker Protection Certification, 2021, 4368326
Engineering Intern, Oregon, 2011, 84906EI
Land Surveyor Intern, Oregon, 2011, 84906LSI
IDOT Documentation of Contract Quantities, Illinois, 2019, 19-15422
OSHA 10-Hour Construction Outreach Training, 2021

Mr. Jacobsen has more than a decade of experience in construction management and inspection for rail and highway projects. He has extensive experience with Class I Railroads, IDOT and the Illinois Tollway. His expertise in construction inspection and administration and knowledge of rail safety and operation provides a solid foundation for the successful completion of projects.

RFQ NO: 2238-06220

FORM B-EXPERIENCE OF KEY PERSONNEL

Key Personnel Name: Saif Alomari, EIT

Respondent/ Subconsultant: Tom Nutter / Program Management & Control Services (PMCS)

Person's Title in Project: Inspector / Documentation Engineer

Project Title: Illinois Tollway, Central Tri-State Reconstruction and Add-Lane

Time Period of Involvement: 2022 Total dollar value of Project: $38,000,000.00 Licensed? Y__ N_X___

CLIENT

Client Name: Illinois Tollway

Address: 2700 Odgen Avenue, Downers Grove, IL

Reference:

Sarah Kukadia, PE	Engineering	Deputy Chief Program Implementation	630-241-6800
CONTACT NAME:	FIRM OR CLIENT DEPT.	TITLE	TELEPHONE

Oswaldo.Chaves@cityofchicago.org

Brief Description of the Projects relevant to this RFQ

Saif is currently serving as an inspector on several construction contracts associated with the widening and reconstruction of the Illinois Tollway's Central Tri-State (I-294) project between I-55 and Cermak Road. The work includes considerable mainline work, completed under traffic, as well as a mainline / arterial street interchange project. The mainline work consists of shoulder widening, storm sewer construction, paving, lighting, and MOT cross-over construction activities. The I-294 / Ogden Avenue Interchange reconfiguration consists of adding a Par-Clo signalized traffic movement to remedy non-conforming existing weave distances. Work on this construction contract includes median removal, pavement reconstruction, traffic signal installation, and MOT maintenance inspection. Mr. Alomari is providing inspection and documentation services for all associated projects. All project documentation is being completed in accordance with IDOT specifications.

EDUCATION AND ADDITIONAL RELEVANT INFORMATION: In 250 words or less, summarize additional relevant information.

Education
B.S., Civil Engineering, Jordan University of Science & Technology, 2017

Professional Registrations
Engineer-In-Training: March 2022

Professional Certifications
Illinois Department of Transportation (IDOT): Construction Documentation Cert No. 18-13819

Key Qualifications
Saif is experienced inspector and documentation engineer with over 3 years experience on heavy highway construction projects working adjacent to live traffic. His experience includes 2 years of working directly for IDOT on several important State of Illinois roadway improvement projects. The projects included pavement reconstruction, drainage construction and bridge deck replacement. He is very familiar with the Standard Specifications and Special Provisions for Roadways and Bridges (SSRB). He also has a year working on a high-profile Illinois Tollway project including structure and paving work under very heavy traffic volumes. Specific skills include:

IDOT CMMS System
AutoCAD, 2D & 3D
MS-Office
Filtration technology
Data visualization (Prism Origin lab Maple and Excel)

RFQ NO: 2238-06220

FORM B-EXPERIENCE OF KEY PERSONNEL

Key Personnel Name: Mohamed Mazheruddin

Respondent/
Subconsultant: Michael Baker International, Inc. / APS Consulting, Inc.

Person's Title in Project: Construction Inspector

Project Title: IDOT PTB 194-02 Various Phase III Services

Time Period of Involvement: 2021-2022 Total dollar value of Project: over $10 million Licensed? Y___ N X

CLIENT

Client Name: Illinois Department of Transportation

Address: 601 Center Court, Schaumburg, IL

Reference:

Jon Schumacher	IDOT	Area Supervisor	847-846-7282
CONTACT NAME:	FIRM OR CLIENT DEPT.	TITLE	TELEPHONE

Email: jonathan.schumacher@illinois.gov

Brief Description of the Projects relevant to this RFQ

APS Consulting was involved in all aspects of the construction engineering and management, including construction monitoring, inspection, measurement and documentation on various construction projects throughout IDOT District 1. Projects included reconstruction, milling, resurfacing, patching, drainage improvements, signage, striping and bridge repairs at various locations.

EDUCATION AND ADDITIONAL RELEVANT INFORMATION: In 250 words or less, summarize additional relevant information.

Mr. Mazheruddin has 2+ years of experience in construction inspection, material inspection of roadways, buildings, refineries, mass concrete and asphalt work. His experience includes project management, field inspections, surveying and complete project documentation. He has extensive experience working on City of Chicago and IDOT projects. Mr. Mazheruddin is certified in Documentation of Contract Quantities by IDOT (22-18270).

RFQ NO: 2238-06220

FORM B-EXPERIENCE OF KEY PERSONNEL

Key Personnel Name: **Brian Parks**

Respondent/ Subconsultant: **Bowman Consulting Group Ltd.**

Person's Title in Project: Construction Engineer

Project Title: Construction Management Services for Various/Various Pavement Preservation & Rehab

Time Period of Involvement: 2022 - Present

Total dollar value of Project: $21,255,355.00

Licensed? Y___ N_X__

CLIENT

Client Name: Cook County Department of Transportation & Highways

Address: 69 W. Washington Street, 24th Floor, Chicago, IL 60602

Reference:

Jennifer "Sis" Killen	Cook County DOTH	Superintendent	312-603-1601
CONTACT NAME:	FIRM OR CLIENT DEPT.	TITLE	TELEPHONE

Email: Hwy.supt@cookcountyil.gov

Brief Description of the Projects relevant to this RFQ

Brian Parks is serving as Construction Engineer for the following project:

Pavement Maintenance South 2021: $17.3M in projects in Orland Park, Orland Hills, Palos Heights, Markham, Hazel Crest, Western Springs, Chicago Heights and Olympia Heights. Improvements consist of HMA roadway surface removal and replacement, diamond grinding, PCC and HMA pavement patching, corrugated median removal, PCC pavement, curb and gutter removal and replacement, HMA median surface removal and resurfacing, drainage and utility structure adjustment, pavement reflector removal and replacement pavement markers, pavement markings, storm sewer cleaning, detector loops, and traffic control protection restoration.

Brian Parks also provided constructability review for **Task Order #3**, which included three projects totaling $3.9M for four miles in length involving hot-mix-asphalt milling, joint sealing, paving, patching, cleaning drainage structures and replacing flared concrete end sections, sodding and erosion control, and traffic control protection.

EDUCATION AND ADDITIONAL RELEVANT INFORMATION: In 250 words or less, summarize additional relevant information.

B.S. Construction Science, Kansas State University
IDOT Documentation of Contract Quantities #22-19529, Expires 2/21/26

Brian Parks has over 30 years of experience in both design and construction engineering that includes the following projects:

Kane County DOT: Longmeadow Parkway 5 Bridge Corridor, Kane County, IL. Construction Engineer for construction management services for Section C-2, just west of Sandbloom Road at the bridge terminus to just west of IL 25. The $28M project included two 11-ft lanes in each direction separated by a landscaped median, signalized intersection improvements at the Bolz Road Connector and IL Route 25, roadway and bridge construction, bicycle path, drainage, landscaping. Work also included storm sewer system installation, water main, force main connection, sanitary sewer, and utility relocations.

IDOT: Willow Road Reconstruction between IL Route 43 (Waukegan Road) and I-94, Cook County, IL. Construction Engineer for construction management services for new sidewalks, drainage improvements, storm water detention, replacement of an existing bridge over the Middle Fork of the North Branch of the Chicago River. The $27M project included reconstruction of sidewalk and parapet of existing bridge over the Edens Expressway, signal modernization at seven intersections, roadway lighting, streetscape, and re-alignment and widening of 1,500 ft of auxiliary lane for entrance and exit ramps along I-94.

IDOT: Jefferson Street Bridge Repair, Joliet, IL. Construction Engineer for construction management services for the removal, cleaning and reinstallation of bearings and repairing the bottom flange and stiffner angles on US 30 EB over Des Plaines River.

RFQ NO: 2238-06220

FORM B-EXPERIENCE OF KEY PERSONNEL

Key Personnel Name: Fazalullah Khan

Respondent/ Subconsultant: The Roderick Group, Inc. dba Ardmore Roderick

Person's Title in Project: Construction Manager

Project Title: Bishop Ford Expressway at Stony Island Feeder Interchange

Time Period of Involvement: 2013 - 2015 | Total dollar value of Project: $40,782,798.00 | Licensed? Y___ N__x__

CLIENT

Client Name: Illinois Department of Transporation Division of Highways

Address: 201 West Center Court, Schaumburg, Illinois 60196 - District 1

Reference:

Anthony Quigley	Bureau of Construction	Region 1 Engineer	(847) 705-4000
CONTACT NAME:	FIRM OR CLIENT DEPT.	TITLE	TELEPHONE

Email:Anthony.Quigley@illinois.gov

Brief Description of the Projects relevant to this RFQ

Fazalullah was responsible for the construction management and inspection services for the interchange which included reconstruction of four bridges, signal improvements at 103rd street, street widening and pavement construction. The project included electrical and fiber optic work, storm sewer work, embankment erosion control and structural repair. His responsibilities included erosion control and traffic control inspections, overseeing contractors' activities, submittal and RFI's reviews, assigning field personnel to inspect contractor's activities, reviewing field notes and daily reports, and coordinating with contractor and IDOT for modifications and authorizations and preparing final closeout documents. He was responsible for the cleaning and painting of the three existing steel bridges at southbound Stony Island to eastbound Bishop Ford, stony Island over 103rd Street and Bishop Ford exit ramps to Stony/103rd over Metra and CN railroad tracks, inspection of all the operations related with the work.

EDUCATION AND ADDITIONAL RELEVANT INFORMATION: In 250 words or less, summarize additional relevant information.

Fazalullah has more than 26 years of experience in construction management, bidding, estimation and negotiation for highway, bridge, and transit system projects including cleaning and painting of existing steel structures.
EDUCATION: BACHELOR OF SCIENCE, CIVIL ENGINEERING, Osmania University, India - 1989
LICENSES & CERTIFICATIONS:
IDOT Documentation of Contract Quantities #22-19606
Certification IDOT:
Pavement Construction Inspection
Bridge Repair
Bridge Construction Inspection
Mixture Aggregate Technician
Hot Mix Asphalt Level I
Bituminous Concrete Level II
PCC Level I
PCC Level II
Bituminous Concrete Density Tester

RFQ NO: 2238-06220

FORM B-EXPERIENCE OF KEY PERSONNEL

Key Personnel Name: David Silva, PE

Respondent/ Subconsultant: Michael Baker International

Person's Title in Project: Construction Inspector

Project Title: ATCT KLOT Construction

Time Period of Involvement: 5/2021-9/2022 Total dollar value of Project: $4,415,667.76 Licensed? Y_X_ N____

CLIENT

Client Name: Joliet Regional Port District

Address: 1 Executive Terminal, George Michas Drive, Romeroville, IL

Reference:

Ron Hudson	Primera Engineers	Senior Aviation PM	847-809-0292
CONTACT NAME:	FIRM OR CLIENT DEPT.	TITLE	TELEPHONE

Email: rhudson@primeraeng.com

Brief Description of the Projects relevant to this RFQ

- IDOT Phase III Various/Various, Civil Associate
- Chicago DOT, S.Wentworth/Cermak Road Construction Engineering, Construction Management Intern

EDUCATION AND ADDITIONAL RELEVANT INFORMATION: In 250 words or less, summarize additional relevant information.

Education

B.S., 2021, Civil Engineering, Illinois Institute of Technology
B.S,. 2021, Mathematics, Dominian University

Licenses/Certifications

IDOT Documentation of Contract Quantities, Illinois, 2021, 21-19072
OSHA 10-Hour Construction Outreach Training, 2021

Mr. Silva is a civil engineering associate with a specialization in Structural Engineering and a bachelor's degree in Mathematics. He has a background in sales which has grown his communication skills throughout the years and has allowed him to adapt his problem-solving skills to any given situation. Mr. Silva has taken part in both IDOT and CDOT projects which have allowed him to gain experience in the documentation and testing process for both state and city standards. He has proficiency with CMMS and Microsoft office to ensure proper documentation and organization throughout any given project.

RFQ NO: 2238-06220

FORM B-EXPERIENCE OF KEY PERSONNEL

Key Personnel Name: Fredrick Granville

Respondent/ Subconsultant: Material Service Testing, Inc.

Person's Title in Project: Materials QA Technician

Project Title: I-90 at I-290/Congress Parkway - Circle Interchange, PTB 184 Item 003, C-91-230-17

Time Period of Involvement: 10/2017-11/2019 Total dollar value of Project: $324,174.00 Licensed? Y___ N__X__

CLIENT

Client Name: Knight E/A, Inc.

Address:

Reference:

Eugene Joynt	Knight E/A	Vice President	312-914-9678
CONTACT NAME:	FIRM OR CLIENT DEPT.	TITLE	TELEPHONE

Email: ejoynt@knightea.com

Brief Description of the Projects relevant to this RFQ

MST Served as a sub-consultant to Knight E/A, Inc. This project involved the construction of three new concrete retaining walls along I-290 as well as the rehabilitation of two existing retaining walls near Racine and Morgan Streets. In addition, the I-290 mainline EB pavement will be removed and replaced from Racine to Congress Parkway. Mr. Granville performed quality assurance materials testing and reporting on aggregates, soil, concrete and asphalt for this project. MST's laboratory also performed a full range of soil, asphalt and concrete testing.

EDUCATION AND ADDITIONAL RELEVANT INFORMATION: In 250 words or less, summarize additional relevant information.

Mr. Granville has over twenty years of experience as a construction materials field inspector and technician. His experience includes subsurface explorations, geotechnical inspections, PCC and HMA testing on interstates, state routes, local roads and private developments in the field. Mr. Granville is also experienced in documentation of project materials and quantities and assuring adherence to project specifications.

IDOT Certifications:

-QC/QA Mixture Aggregate Technician (3-Day)
-QC/QA Mixture Aggregate (2 Day Upgrade)
-QC/QA PCC Levels I & II
-QC/QA HMA Level I & II
-S33 Geotechnical Inspection
-S14 Documentation of Contract Quantities Certificate No. 20-18127
-Bituminous Concrete Density Tester

ACI Certifications:

- Concrete Field Testing Technician-Grade I

Other Certifications:

- Nuclear Safety for Gauge Operators - Troxler
- Hazmat Certification as required by U.S. DOT and IATA - Troxler

RFQ NO: 2238-06220

FORM B-EXPERIENCE OF KEY PERSONNEL

Key Personnel Name: Jayesh Patel

Respondent/ Subconsultant: Material Service Testing, Inc.

Person's Title in Project: Laboratory Technician

Project Title: Construction Engineering Services, Chicago Department of Transportation

Time Period of Involvement | Total dollar value of Project: $966,002.00 | Licensed? Y___ N__X__

CLIENT

Client Name: TranSystems

Address: 1475 E. Woodfield Road, Schaumburg, IL 60173

Reference:

Maciej Brociek	Transportation	Materials Coordinator	312-669-5829
CONTACT NAME:	FIRM OR CLIENT DEPT.	TITLE	TELEPHONE

Email: mbrociek@transystems.com

Brief Description of the Projects relevant to this RFQ

The City of Chicago Department of Transportation Professional Quality Control and Quality Assurance Construction Inspection Engineering Services project encompasses the physical testing of concrete (cast-in-place, pre-cast, pre-stress), asphalt, aggregate, and soil placed on various roadways throughout the City of Chicago. Material Service Testing, Inc. was brought in to provide quality assurance plant and job site inspections of cast-in-place concrete, asphalt, aggregates and soil as required for various roadways throughout the Chicago area. MST's Laboratory performed verification of aggregates used on various City of Chicago CDOT projects. MST evaluated QC/QA test results, prepared and submitted reports to reviewing agencies and entered data in the CDOT Database. MST also attended weekly meetings to discuss test results and address potential issues that could arise. MST also provided laboratory testing of HMA Samples including, core densities of HMA samples, bulk specific gravity, max specific gravity, voids, asphalt content and gradations

Mr. Miller provided quality assurance plant and job site inspections, documentation and report preparation of cast-in-place concrete, asphalt, aggregates and soil. MST was responsible to prepare and submit reports to reviewing agencies. In addition, Mr. Miller insured the proper transportation of PCC, HMA and aggregate samples to MST's laboratory for testing.

EDUCATION AND ADDITIONAL RELEVANT INFORMATION: In 250 words or less, summarize additional relevant information.

Mr. Patel had over 7 years experience as a Laboratory Technician. He is responsible for performing laboratory testing in an IDOT approved lab. He currently tests various aggregate, asphalt, concrete, masonry, and soil samples according to applicable standards and specifications. Mr. Patel compiles and enters technician reports and prepares them for review. He is also responsible for maintaining the lab according to IDOT and AASHTO accreditation standards.

IDOT Certifications:
-QC/QA Mixture Aggregate Technician (3-Day)
-QC/QA HMA Level I & II
-Nuclear Density Tester

ACI Certifications:
-Concrete Field Testing Technician

PROJECT MANAGER

Scott Rodseth, PE



Scott brings a depth of experience and knowledge in the construction engineering field as his background includes staff, project, and community outreach management on roadway, bridge, and underground construction projects. His typical responsibilities include but are not limited to project management, resident engineering, construction monitoring, documentation, pay estimate and change management preparation, staffing coordination, surveying, QC/QA oversight, task management, material testing oversight, and permitting coordination.

RELEVANT EXPERIENCE

Contract 2038-18393B, Construction Management Services for Various Locations. *Cook County Department of Transportation and Highways.* PROJECT MANAGER. Responsible for oversight and delivery of this $5 million CM on-call, work order-based contract. Scott oversees five subconsultants and performs construction management services, including manual updates, e-Builder integration, on-site inspection, construction layout checks, oversight of design changes, material testing coordination, record preparation, documentation, pay estimates and change orders submittals, and all other associated administrative services. Tasks to date have included:

- Work Order #6 – Capital Project Schedule Evaluation. Work includes evaluation and analysis of CCDOTH's past and current proposed transportation improvement programs, including project status and creation of a master schedule. Work began on this ongoing task in August 2022 and will continue through March 2024. Prior to August 2022, this work was part of WO #4.
- Work Order #7 – Constructability and Material Review Management. Work includes improving CCDOTH processes through constructability and material review management to maintain schedules and deadlines further. Work began on this ongoing task in August 2022 and will continue through March 2024. Prior to August 2022, this work was part of WO #4.
- Work Order #8 – General Engineering Services. Work includes on-call services assigned by the County to Michael Baker and our subconsultants. To date, we have been engaged to review and revise current industry standards and the special provisions used by CCDOTH relating to construction layout and surveying.

McClugage Bridge Construction Phase Services, Peoria, Illinois. *Illinois Department of Transportation.* LEAD CONSULTANT PROJECT MANAGER. Michael Baker is providing engineering support as part of a joint venture team constructing the McClugage Bridge, which crosses the Illinois River and connects Peoria and East Peoria. The project will replace the one-mile eastbound truss structure with a tied arch structure and include 23 spans and 22 piers. Eastbound U.S 150 will also be realigned with the new bridge. As part of the project, Michael Baker is providing construction management and inspection and teaming with Bradley University's Civil Engineering Department to provide opportunities for the next generation of engineers to experience unique construction operations.

***I-18-4694 and I-18-4695 – I-490 and I-90 Interchange Bridge Construction.** PROJECT MANAGER & RESIDENT ENGINEER. Responsible for oversight and management of the $16 million I-490 and I-90 interchange construction of 2 two-span bridges over I-90 with superelevation, building demolition (Des Plaines Oasis), and Collector-Distributor bridge construction (2 single-span bridges over Higgins Creek. Services included construction and change management services, manpower coordination, subconsultant scheduling, invoicing, quality control, and client/community outreach.

***US Route 20/McLean Boulevard Reconstruction.** *IDOT District 1.* PRINCIPAL-IN-CHARGE. Responsible for construction observation and documentation for the $45 million project. The project included HMA and PCC pavement, storm sewer, a new U.S. Route 20 bridge over McLean Boulevard, cast-in-place retaining walls, traffic signals, street lighting, and landscaping. Coordination with IDOT, City of Elgin, utilities, and QA testing was required.

***Price Road Over Big Rock Creek.** *Big Rock Township.* PROJECT MANAGER. Responsible for management for the reconstruction of the deteriorating four-span bridge deck, superstructure, and substructure. Extensive erosion and sediment control was utilized to prevent any discharges to Big Rock Creek during construction. Engineering services included IDOT/ICORS documentation, pay estimates and change orders preparation, inspection, and stakeholder coordination.

Michael Baker
INTERNATIONAL

Total Years of Experience
15

Education
B.S., Civil Engineering, Valparaiso University

Licenses/Certifications
Professional Engineer, Illinois, 062-063857

IDOT Documentation of Contract Quantities, 19-15843

OSHA 30-Hour Construction Outreach Training, 2020

IDOT Soils Density S-33, 3533459

NS Roadway Worker Protection Certification, 5595395

PROJECT MANAGER

Scott Rodseth, PE

City of Belvidere, Newburg Bridge over Kishwaukee River. *IDOT District 2.* PROJECT MANAGER. Served as Project Manager for the maintenance and safety improvements to Newburg Bridge ($800,000 construction value). Responsibilities included submittal coordination, MFT documentation compliance checks, IDOT District 2 closeout, all staffing, quality control, scoping, budget coordination, task management, and project oversight.

Dauberman Road over Welch Creek. *Kane County Division of Transportation.* PROJECT MANAGER. Oversight and management for the reconstruction of the deteriorating single-span bridge deck and superstructure. Demolition of the superstructure was monitored closely to avoid damage to the abutments. Extensive erosion and sediment control was utilized to prevent any discharges to Welch Creek during construction. Engineering services included daily observation, IDOT/ICORS documentation, preparation of pay estimates and change orders, material inspection, and coordination with stakeholders.

Lawrence Avenue Bridge over I-90, Chicago, Illinois. *CDOT.* FIELD ENGINEER. Field Engineer for the reconstruction of the Lawrence Avenue Bridge over the Kennedy Expressway with responsibilities including construction observation, survey work, documentation of quantities/materials, and assistance with project coordination. The project scope included staged removal of the existing bridge superstructure, bridge and abutment repairs, and construction of a new cast-in-place concrete bridge deck. The project also included pavement and retaining wall reconstruction, relocation of utility lines crossing the bridge, and traffic signal improvements. Close coordination with the Union Pacific Railroad was required due to the close proximity of their structure. Additional coordination was required with IDOT and the Illinois State Police for full closure of the Kennedy Expressway during bridge demolition and beam erection.

Denotes projects completed prior to joining Michael Baker

RESIDENT ENGINEER

Naveen Parakalla, PE



Naveen has served in various technical and management roles, performing field inspections for roadways, bridges, piles, MSE walls, retaining walls, embankments, earth retention systems, underground utility installations, erosion control, and maintenance of traffic (MOT) activities. His experience includes project management, financial management, oversight of personnel and sub-consultants, scheduling, stakeholder coordination, community engagement activities, and on-site technical involvement.

RELEVANT EXPERIENCE

***I-90 (Kennedy) Noise Abatement Walls from IL 171 (Cumberland Ave.)** *to IL-43 (Harlem Avenue) PTB 185-011 - Chicago, Illinois.* IDOT, DISTRICT 1. RESIDENT ENGINEER. Responsible for the Noise Abatement Walls along I-90 from IL 171 (Cumberland Ave) to IL-43 (Harlem Ave). The project also includes drainage, structural moment slabs, roadway resurfacing, drilled shafts, striping, landscaping, signing & MOT. Responsibilities included monitoring work progress and schedule to ensure compliance with contract requirements, tracking quantities, reviewing and approving pay estimates, reviewing and approving shop drawings and other submittals, developing authorizations & change orders, updating quantity book, conducting progress & other coordination meetings, and scheduling field staff. Performed traffic control inspections and contractor coordination for MOT compliance. Coordinated between multiple agencies, including IDOT and local agencies, while coordinating between multiple IDOT projects.

***System-wide, Various Construction Contracts – Various Locations, Illinois.** *Illinois State Toll Highway Authority (ISTHA).* CONSTRUCTION WALKTHROUGH & SURETY/WARRANTY MANAGER. Responsible for coordinating, scheduling, and managing construction pre-final and final walkthroughs for various Tollway construction contracts as part of the Tollway GEC (General Engineering Consultant) team. Assist the Construction Manager/Project Manager in identifying items that do not conform to Tollway's standards and specifications during field review. Also track, schedule, and perform Surety & Warranty inspections of various work items for various Tollway construction contracts. Review all issues and generate Surety/Warranty Memo for Tollway Warranty Surety Review Committee (WSRC), using the "Cartegraph" asset management system. Generate Surety/Warranty letter in e-Builder to be issued to the contractor based on review by WSRC. Perform Surety/Warranty repair coordination with contractor and Project Manager for each issue identified in Surety/Warranty memo and assign CUR CM to oversee surety repairs.

***Tri-State Tollway (I-294) at 159th Street Bridge Reconstruction and Ramp Rehabilitation, MP 6.36, I-294 Tollway, Markham/Harvey, Illinois.** *Illinois State Toll Highway Authority (ISTHA).* RESIDENT ENGINEER. Responsible for removing and replacing the US Route 6 (159th Street) bridge over Tri-State Tollway (I- 294). Provided Construction Management (CM) services for roadway reconstruction, ramps rehabilitation, toll plaza & ramps pavement repair work, sign truss repair work, bridge sub-structure, and superstructure. Responsibilities also include addressing field constructability issues, coordinating with Tollway Project Manager, QA testing, surveying and overseeing construction activities for existing bridge demolition, beams removal, drilled shafts installation, pile driving, TIP testing data review, TSRS along stage line, erosion control, drainage, landscaping, earthwork, and MOT switches between stages. Duties also include processing and submitting Lane Closure Requests to Tollway, managing field staff, performing schedule assignments of daily activities, reviewing & approve – daily activities reports, test reports, contractor's progress schedule, RFI's, submittals, bridge removal & beam erection plan in e-Builder, conduct weekly progress meetings, track project budget (MSRs), prepare ATPs, COs & EWOs, review Value Engineering Proposals (VEP) and generate pay estimates. Tri-State Tollway (I-294) at 159th Street

***Systemwide: Construction Documentation Auditor, Perform Documentation.** *Illinois State Toll Highway Authority (ISTHA).* AUDITOR. Quarterly and Final Audits for various Tollway construction contracts as part of the Tollway GEC (General Engineering Consultant) team. Review all areas of documentation, including field books, traffic control inspection reports, weekly reports, delivery tickets/materials, daily reports (IDRs), pay estimates, acceptance/testing /monitoring certification log, quantity record, quantity book, WBPM system (e-Builder) entries & folders and consultant quality program (CQP) implementation.

Michael Baker
INTERNATIONAL

Total Years of Experience
14

Education
M.S.C.E., University of Chicago

B.S.C.E., Osmania University, India

Licenses/Certifications
Professional Engineer, Illinois, 062-069502

IDOT Documentation of Contract Quantities, 21-18319

IDOT Soils Density S-33, 4688245

IDOT QC/QA Bituminous Level I, II

IDOT PCC Level , I, II QC/QA

RESIDENT ENGINEER

Naveen Parakalla, PE

***Outside Roadway and Bridge Reconstruction and Widening I-290/IL-53 to Arlington Heights Road, MP 68.1 to MP 70.7, I-90 Tollway.** *ISTHA.* CONSTRUCTION ENGINEER. Responsible for Roadway and Bridges (Golf Road bridge, Salt Creek bridge, and Arlington Heights Road bridge) Reconstruction. Responsible for providing construction inspection for roadway construction, retaining walls, bridge sub-structures, and superstructures. Responsibilities also include overseeing soil nail wall construction, existing bridge demolition, cofferdam construction, storm sewer jacking, MSE wall construction, TSRS along stage line, and MOT switches between stages. Measure, calculate, and prepare IDR's for the work performed. Also responsible for Erosion Control weekly inspections and E-builder experience. Duties also include processing and submitting Lane Closure Requests to CCM/Tollway, managing field staff in the absence of the Assistant Resident Engineer, and performing scheduled assignments of daily activities.

***130th Street, Torrence Avenue, and South Brainard Avenue Intersection Improvements and Grade Separation.** *CDOT.* CONSTRUCTION ENGINEER. Responsible for eliminating grade crossing and realignment of 130th street/Torrence ave/ Brainard Ave intersection. Responsible for providing construction inspection for roadway construction, roadway/railway bridge sub-structures, and superstructures. Perform rebar inspection and depth checks for bridge deck pours. Inspection was performed for H-piles and caissons installation for foundations. Oversee deep excavations (up to 40') with earth retention systems. Erection of steel girders for bridge spans and bolts testing. Construction of 30' tall embankments for CSS&SB railway corridor. Estimate quantities for earth excavation and haul-off. Perform proof roll for roadway sub-grades and embankments and verify density test reports. Measuring, calculating, and preparing IDRs for the work performed.

***Cottage Grove Avenue and I-94 Bridge Replacement Project, Chicago, Illinois.** *IDOT.* GEOTECHNICAL ENGINEER. Supervised a geotechnical engineering investigation program, which included advancing nine soil borings to a depth of 50 to 70 feet below the existing ground surface, performing field tests, and logging and collecting soil samples for further testing and evaluation. The investigation also included analyzing the soil conditions encountered and determining various geotechnical parameters for the design of the proposed foundation elements and temporary and permanent retaining walls. The bridge design will include shallow foundations, driven pile foundations, wing wall retaining walls, temporary soil retention systems, and possibly the use of a mechanically stabilized earth (MSE) wall.

***Sewer Improvements & Full-Width Restoration, 77th Street & Blackstone Avenue, Chicago, Illinois.** *City of Chicago, Department of Water Management.* RESIDENT ENGINEER. Responsible for replacement of existing 12"/18" clay sewer with 24"/30"/36" RCP sewer and full-width green pavement restoration, including curb/gutter & ADA sidewalks. A total of 1100 feet of sewer was installed with drain connections, manholes, tumbling basin, and catch basins. Responsibilities included supervising field staff, coordination with contractor, owner & utility agencies, and management of construction activities per plans & detailed specifications. Prepared contract modifications, line-item changes, field orders, monthly pay estimates, and quantity book, and reviewed submittals. We also conducted regular construction review meetings to discuss the project's progress. Prepared & submitted final project closeout documents to the Department of Water Management.

****Denotes projects completed prior to joining Michael Baker***

Bowman

Thomas Gibbs, PE

Assistant Resident Engineer

Education

M.S. Civil Engineering (Construction Engineering Management), University of Illinois at Urbana-Champaign, December 2018

B.S. Civil and Environmental Engineering, University of Illinois at Urbana-Champaign, May 2017

Registrations

Professional Engineer:
Illinois (#062-074356) 2022

Certifications

IDOT Documentation of Contract Quantities (#19-15618) Expires 3/28/23

OSHA 10-Hour Certification

Tom Gibbs is a resident engineer and construction inspector who has provided construction engineering on bridge projects in Cook County. He is experienced with AutoCAD, Revit Architecture, Navisworks, HCS software, and Bluebeam.

Experience

Cook County DOTH | Pavement Preservation Projects | Cook County, IL
Resident Engineer for construction management services that include managing the inspection of field activities; facilitating weekly progress meetings between the client, contractor, municipalities and other key parties; delivering full project documentation for the client; and acting on behalf of the owner to ensure the project is built to the plans and specifications. Contracts include:

- **Cal-Sag Steel Truss Strengthening**: $6.5M contract which involves steel truss member repairs, deck slab repairs, and cleaning and painting of existing and new structural steel for four bridges over the Calumet-Sag Channel.
- **87th St Bridge over B&OCT Railroad**: $3.5M contract involving the full bridge deck, parapet and approach slab reconstruction, along with structural steel girder and substructure repairs.

Illinois Tollway | Tri-State Tollway (I-294) Reconstruction, Mile Long Bridge (PSB 18-3/01) Contract 2 - SB I-294 | *Cook County, IL*
Assistant Resident Engineer-Structures for construction management services for $200M, multi-year project to construct a new 27-span bridge to replace the original 1957 structure. The new structure spans the Illinois & Michigan Canal, Chicago Sanitary & Ship Canal, DesPlaines River, mainline CN RR, UPS facility, and BNSF RR intermodal freight facility, requiring significant stakeholder and utility coordination. Responsibilities include overseeing installation of MSE walls, temporary earth retention systems, drilled shafts, pier construction, erection of both steel and PPC beams related to the Mile Long Bridge and I-294 over LaGrange Road Bridge, and completing inspector reports to ensure correct practices and materials are used.

Illinois Tollway | Tri-State Tollway (I-294) Reconstruction, Mile Long Bridge (PSB 18-3/01) Contract 1 - NB I-294 | *Cook County, IL*
Construction Inspector for construction management services for $200M, multi-year project to construct a new 27-span bridge to replace the original 1957 structure. The new twin structure spans the Illinois & Michigan Canal, Chicago Sanitary & Ship Canal, DesPlaines River, mainline CN RR, UPS facility, and BNSF RR intermodal freight facility, requiring significant stakeholder and utility coordination. Work also included new storm sewers and drainage structures, construction of 25,000 SY of bituminous base course and Jointed Plain Concrete pavement, bituminous pavements, and pavement and bridge deck patching. Responsibilities included overseeing daily construction activities and completing inspector reports to ensure correct practices and materials are used.

Bowman

Thomas Gibbs, PE

Assistant Resident Engineer

IDOT | Jane Byrne Interchange - I-90/94 NB: Roosevelt Road to Lake Street (PTB 194-015) | *Chicago, IL*
Construction Inspector for construction management services for $57.5M project that included roadway reconstruction and resurfacing, ramp modifications, retaining wall construction and modifications, storm sewer and drainage improvements, earth excavation, special waste excavation, traffic control and protection, pavement marking and signage, roadway lighting, & ITS. Responsibilities included inspecting contractor work activities to ensure correct practices and materials are used, producing daily field reports for these work activities, calculating quantities, and performing yield checks.

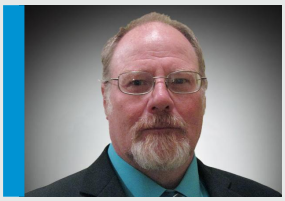
IDOT | Various Phase III Pavement & Bridge Preservation Inspection (PTB 198-001) | *District 1, IL*

- **Smart Overlay of IL-394 from North of 186th St. to S of Joe Orr Rd. (62L17)**: Construction Inspector for paving 2-inch HMA overlay (Pay-For-Performance, PFP) of a three-mile stretch of IL-394 (NB & SB).
- **Standard Overlay, ADA Improvements, Culvert Replacement (62M02)**: Construction Inspector/Documentation for IL-1 from Burville Rd. to north of IL-394, and IL-394 from IL-1 to Will County Line. Work includes paving ¾-inch Leveling Binder and 1¾-inch HMA surface of IL-1 & IL-394. Assisted with documentation.

Village of Northbrook | FY 21/22 Water Main Improvements | *Northbrook, IL*
Construction Inspector for $1.1M project involving installation of 4,850 ft of 8-in water main water main and hydrants along Kingston Drive in the Willow Creek Subdivision.

DOCUMENTATION ENGINEER/TECHNICIAN, MATERIALS COORDINATOR

Paul Wilk, PE



Paul has experience in construction inspection and materials on projects for private owners, municipalities, state governments, and federal departments. He has worked in the office as a designer for work in roadways, airfields, drainage, and environmental projects. He has continued to study new items as interests have changed and has been willing to take additional training and certifications.

RELEVANT EXPERIENCE

Central Avenue Bridge Emergency Repairs (Work Order #5), Cook County, Illinois. *Cook County Department of Transportation and Highways (CCDOTH).* RESIDENT ENGINEER. Paul provided maintenance of traffic coordination, construction inspection, materials documentation, subconsultant staff oversight, and change management for the 2022 annual bridge deck patching and repairs to the Central Avenue Bridge over the Chicago Sanitary and Ship Canal (SN 016-3240). In late April 2022, the 33-span, 3,430' long bridge's continued deck cracking came to a head. Due to vibrations created as traffic traversed the structures, large potholes and full voids developed in the already deteriorated concrete bridge deck in both the southbound and northbound lanes. This exposed the steel structural reinforcement and posed a danger to the motoring public.

ATCT KLOT Construction. *Joliet Regional Port District.* RESIDENT ENGINEER. Responsibilities include the coordination of all site for the construction of a new Air Traffic Control Tower at the Lewis University Airport in Romeoville, Illinois. Overseeing the field inspections of MBI Inspectors and the QA testing by sub-contractors. Scheduling of inspections. Review of all paperwork from inspectors, submittals and requests from the Contractor, pay applications including all backup paperwork. Coordination with the Project Manager for the Joliet Regional Port District. Managing budget for work being performed by MBI and subs. Reporting to Department Manager on a regular basisthe preparation of contract plans for the removal and replacement of the structure that carries US 52 over the Mississippi River near Savanna, Illinois.

Cook County DOTH Construction Manual Rewrite, Cook County, Illinois. *Cook County, Illinois.* RESIDENT ENGINEER. Responsibilities include assisting in the review of the County Construction Manual. This work requires the coordination of review and suggestions for changes or improvements to the manual with several firms. This requires direct communications with the client and to listen to their needs and opinions. Michael Baker provided Phase III engineering services for the review and rewrite of Cook County Division of Transportation and Highway's (CCDOTH) construction manual. For the project, Michael Baker coordinated with and led additional consultants to capture input data and collaborate with subject matter experts. It oversaw weekly progress and coordination meetings with the client and process research with other agencies. This project required a six-month timeframe in order for the manual to meet the final industry review.

Special Provisions and Details Project (Work Order #3), Cook County, Illinois. *Cook County Department of Transportation and Highways (CCDOTH).* RESIDENT ENGINEER. Work includes helping with review of County Special Provisions and offering suggestions for updates and improvements. This work is being done with several engineers with guidance from the project lead and coordination is essential Also involves direct contact with the client, offering suggestions, and listening to their concerns. Michael Baker provided Phase III engineering services for the review and rewrite of Cook County Division of Transportation and Highway's "Special Provisions and Details." For the project, Michael Baker coordinated with and led additional consultants to capture input data and collaborate with subject matter experts. It also oversaw weekly progress and coordination meetings with the client and process research with other agencies.

***Illinois Route 120 Resurfacing and Bridge Repairs.** *IDOT.* MATERIALS COORDINATOR/CONSTRUCTION INSPECTOR. Oversaw QA/QC inspections for two contracts on roadway; oversaw all work on eastern contract (US41 to UPRR); Erosion Control Inspections.

***LaGrange Road Reconstruction, Orland Park/Tinley Park/Palos Park, Illinois.** *IDOT.* MATERIALS COORDINATOR. Oversaw all the QA/QC inspections for the entire project of nearly 7 miles, $100 million; Conducted Erosion Control Inspections including inspections and reporting for USACE 404 Permit.

Denotes projects completed prior to joining Michael Baker

Michael Baker
INTERNATIONAL

Years of Experience
22

Education
M.S., Public Works, Illinois Institute of Technology

B.S.C.E., Illinois Institute of Technology

Licenses/Certifications
Professional Engineer, Illinois, 062-057656

IDOT Documentation of Contract Quantities, 21-18933

IDOT QC/QA Concrete Level I, II

IDOT QC/QA Bituminous Level I, II, III

IDOT Bituminous Nuclear Density

IDOT Erosion & Sediment Control Training, 2021

CONSTRUCTION INSPECTOR LEAD

Joseph Jacobsen, PE



Joseph has over a decade of experience in construction management and inspection for rail and highway projects. He has extensive experience with Class I Railroads, IDOT, and the Illinois Tollway. His expertise in construction inspection and administration and knowledge of rail safety and operation provides a solid foundation for successfully completing projects.

RELEVANT EXPERIENCE

NS Burns Hbr, IN Br CD-487 CM. *Norfolk Southern Corporation.* LEAD INSPECTOR. Responsibilities include onsite inspection and documentation of construction activities, monitoring adherence to permits and safety regulations, and review of requests for information, submittals, invoices and change orders. Was also involved in coordination with the City of Portage, Indiana American Water, and CenturyLink regarding easements and utilities.

***Jane Byrne Interchange Reconstruction Project.** *IDOT.* LEAD INSPECTOR. Served as Inspector for the $700M reconstruction of the Jane Byrne Interchange reconstruction spanning multiple contracts. The work includes the construction of new ramps and retaining walls, roadway and pavement approach reconstruction, special waste excavation, earth excavation and embankment, lightweight cellular concrete fill, new storm and combined sewers, expressway lighting, Intelligent Transportation System (ITS) surveillance, and camera installation, pavement markings, overhead sign structures, and interstate signing, locating and bulkheading existing water tunnels, traffic control and protection, and air quality monitoring. Responsibilities included drilled shafts, MSE retaining walls, drainage, pavement, and erosion control inspection. Also responsible for implementing the use of PlanGrid and iPads for field activities among all field personnel.

***I-55/Lake Shore Drive Flyover.** *IDOT.* CONSTRUCTION ENGINEER. Served as Construction Engineer. Work for the $60M improvement of the I-55 Inbound Bridges from I-94 to US 41 included the removal, replacement, widening, and reconstruction of the existing three inbound bridge structures within the I-55 and US 41 Interchange in the City of Chicago. This project spanned over the Metra and CN Railroad corridor.

***I-90 Reconstruction Roselle Rd to IL 53.** *Illinois Tollway.* CONSTRUCTION ENGINEER. Work consisted of reconstruction of the mainline roadway, the addition of a fourth lane, lighting, ITS, and drainage structures for the $100M reconstruction of I-90 between Roselle Rd and IL 53.

***I-294 Central Tri-State Reconstruction.** *Illinois Tollway.* RAILROAD MANAGER & ASSISTANT CONSTRUCTION CORRIDOR MANAGER. $4B reconstruction of the Illinois Tollway's Central Tri-State Corridor. As Railroad Manager, provided a review of agreements and coordinated construction activities between the Illinois Tollway and BNSF, CN, CP, Metra, and UP along the Central Tri-State Corridor. As Assistant Construction Corridor Manager, provided complete engineering management for projects in the southern corridor (Interim Bridge Repair, Crossroad Bridge Repair, Clean & Televise Existing Sewer, Building Demolitions, Tree Clearing, Advanced ITS Fiber Relocation, and construction of a new BNSF Bridge) from the pre-construction phase through completion. Duties also included tracking change orders, time extension requests, construction management contracts, and coordinating lane closures for all projects along the corridor.

***NSMJAWA Water Main Relocation Projects.** *Illinois Tollway.* CONSTRUCTION & DOCUMENTATION ENGINEER. Provided assistance to the Corridor Construction Manager office regarding Intergovernmental Agreements for the $80M relocation of the NSMJAWA Water Main. Work included relocating seven miles of NSMJAWA Water Main ranging in size from 30" to 90" precast concrete cylinder pipe, two hot taps, multiple bypasses, pile caps, steel casing, contaminated soil removal, and coordination with multiple consultants, municipalities, and agencies.

Denotes projects completed prior to joining Michael Baker

Michael Baker
INTERNATIONAL

Total Years of Experience
10

Education
B.S.C.E., Oregon State University

Licenses/Certifications
Professional Engineer, Illinois, 062070396

IDOT Documentation of Contract Quantities, Illinois, 19-15422

NS Roadway Worker Protection Certification, 4368326

IDOT CMMS Training

OSHA 10-Hour Construction Outreach Training, 2021

Saif Alomari, E.I.T

Phone: (312)731-4016 | E-mail: saif_omari@hotmail.com
https://www.linkedin.com/in/saif-alomari

EDUCATION AND CREDENTIALS

Bachelor's Degree in Civil Engineering, Fall 2017
University of Science & Technology. ABET Accredited.
Engineer In-Training license, Illinois Board of Professional Engineers, March 2022

AREA OF EMPHASIS

• Construction Management • Structural Engineer • Building Material !Surveying

SKILLS

• AutoCAD, 2D & 3D • MS-Office • Team player • Interpersonal • Responsible • High work ethics •Safety instructions • Filtration technology • Statistic •Data visualization (Prism, Origin lab, Maple and Excel)

Experience

Illinois Department of Transportation (IDOT) **Schaumburg, IL**
Civil Engineer II - Bureau of Construction **October 2019 - November 2021**

- Assisted Resident Engineer on several key government projects involving roadway designs and Improvements, drainage construction and replacement of deteriorating bridges.
- Handled cost-of materials estimations, report and document tracking, project documentation, on-Site project visits, invoice/agreement verification.
- Familiar with Illinois plans, standard specifications, special provision and layout procedures.
- Gained experience in traffic control inspection, structure and patching survey, cross sections, Stationing the job and test concrete.

Jordan University of Science and Technology (JUST) **Irbid, Jordan**
Engineering Intern **July- August 2017**

- Represented by JUST in the first veterinary hospital in Jordan.
- Outlined structural mechanisms and tracked project progress.
- Coordinated with client's vendors and outside contractors.
- Designed and distributed work orders.
- Created technical packages and proposals as well as budget plans.

COURSES

- PCC Level 1
- PCC Pavement Inspection
- Drilled Shaft Foundation Construction Inspection
- Small Drainage Structure
- Steel Erection and Bolting
- Pile Foundation Construction Inspection
- Nano filtration training course, ISAS (Germany)

REFERENCES

Available upon request.

MOHAMMED MAZHERUDDIN

Civil Engineer

Excellence in Infrastructure Consulting

EDUCATION

Master of Science (MS) in Engineering, Indiana Tech University IN – Dec 2020

Bachelor of Engineering in Civil Engineering, Jawaharlal Technology University, Hyderabad, India - May 2018

PROFESSIONAL REGISTRATION & TRAINING

IDOT Documentation of Contract Quantities – 21-19253

EXPERIENCE:

2+ Years Total

1+ Years with Firm

OFFICE LOCATION

Chicago, IL

Profile

Mr. Mazheruddin (Mazher) has 2+ years of experience following completing of his Master of Science in Engineering in December 2020. He has a Bachelor of Engineering in Civil Engineering.

EXPERIENCE

- **Central Ave. Bridge Emergency Deck Repairs**, Cook County. Construction engineer providing site inspection and documentation for bridge deck repairs. Oversaw construction activities and documented quantities for construction work.
- **IDOT Various Routes, Various Projects**, Lake County. Construction inspector for various roadway rehabilitation projects. Projects included resurfacing, striping, shoulder improvements and utility improvements. Monitored construction, documented quantities and provided Inspector's Daily Reports.
- **C*NECT: Program Manager Consultant – CDOT Capital Improvements Projects**, Chicago, IL. Providing construction support services for Chicago citywide program involving various community infrastructure projects, including roadway resurfacing, surveys, sidewalks, ramp reconstruction and curb and gutter repairs. Providing field support, construction estimates, documentation of quantities. Providing mobile data collection surveys using mobile tablet applications. Working on project scheduling, field layouts, materials orders and tracking, coordination with other construction projects and other critical issues in the construction process. Ensuring all work is in compliance with local, state and federal codes and is documented according to IDOT and CDOT procedures.
- **Lincoln and Ashland Intersection Reconstruction,** Chicago DOT. Site inspector as part of Phase III Prime Consultant for intersection reconstruction in Chicago. Duties included site inspection and documentation.
- **Additional Experience (India).** Worked as an Assistant Engineer for 6 months in GHMC ROAD DIVISION 10. Responsibilities included inspection of road construction, review of project designs and soil testing. Worked closely on planning, designing, operating, maintaining everyday work and managing workers. Completed workshops on Bridge design and Design of Tall Building organized by Indian Tech Group.

5519 N. Cumberland Ave.
Suite 1011
Chicago, IL 60656
312.324.0336

Bowman

Brian Parks

Construction Engineer

Education

B.S. Construction Science,
Kansas State University

Certifications

IDOT Documentation of Contract Quantities (#22-19529) Expires 2/21/26

Brian Parks has 30 years of experience in engineering with expertise in reading and interpreting architectural and civil drawings and maps, and providing on-site construction inspection and documentation of construction projects. In addition to his experience with IDOT, Brian has 12 years of experience managing engineering design and construction projects for local municipalities.

Experience

Cook County DOTH | Pavement Preservation Projects | *Cook County, IL*
Construction Engineer for construction inspection for Pavement Maintenance South 2021 task order, which includes $17.3M in projects in Orland Park, Orland Hills, Palos Heights, Markham, Hazel Crest, Western Springs, Chicago Heights and Olympia Heights. Improvements consist of HMA roadway surface removal and replacement, diamond grinding, PCC and HMA pavement patching, corrugated median removal, PCC pavement, curb and gutter removal and replacement, HMA median surface removal and resurfacing, drainage and utility structure adjustment, pavement reflector removal and replacement pavement markers, pavement markings, storm sewer cleaning, detector loops, and traffic control protection restoration. Also provided constructability review for Task Order #3, which included three projects totaling $3.9M for four miles in length involving hot-mix-asphalt milling, joint sealing, paving, patching, cleaning drainage structures and replacing flared concrete end sections, sodding and erosion control, and traffic control protection.

Kane County DOT | Longmeadow Parkway 5 Bridge Corridor | *Kane County, IL*
Construction Engineer for construction management services for Section C-2, just west of Sandbloom Road at the bridge terminus to just west of IL 25. The $28M project included two 11-ft lanes in each direction separated by a landscaped median, signalized intersection improvements at the Bolz Road Connector and IL Route 25, roadway and bridge construction, bicycle path, drainage, landscaping. Work also included storm sewer system installation, water main, force main connection, sanitary sewer, utility relocations, and hauling 400,000 cubic yards of earth.

IDOT | Willow Road Reconstruction between IL Route 43 (Waukegan Road) and I-94 | *Cook County, IL*
Construction Engineer for construction management services for new sidewalks, drainage improvements, storm water detention, replacement of an existing bridge over the Middle Fork of the North Branch of the Chicago River. The $27M project included reconstruction of sidewalk and parapet of existing bridge over the Edens Expressway, signal modernization at seven different intersections, roadway lighting, streetscape, and re-alignment and widening of 1,500 ft of auxiliary lane for eastbound and westbound entrance and exit ramps along I-94.

Illinois Tollway | Tri-State Tollway (I-294) Roadway and Bridge Widening and Rehabilitation, Balmoral Avenue and Wolf Road (PSB 18-1/09) | *Cook County, IL*
Construction Engineer for Phase III construction engineering services for Contracts

Bowman

Brian Parks

Construction Engineer

I-18-4389 and I-18-4427 for $160M reconstruction of I-294 between the O'Hare Oasis and I-190. Work included widening Irving Park Road (IL 19) overpass, construction of new retaining walls within Irving Park Road interchange, addition of a collector-distributor roadway between Plaza 33 and O'Hare Oasis, new storm sewer work, lighting, and ITS installations, as well as a SMA bituminous surface overlay of mainline roadway Responsibilities included managing field staff's daily assignments; reviewing inspectors' daily reports; attending weekly progress meetings; resolving field and constructability issues; reviewing contractor submittals, RFI's, and force account billings; and developing cost estimates for change order & extra work items.

IDOT | US 52 (Contract 60V43) | *Joliet, IL*
Construction Engineer for construction management services for $390,000 project involving one mile of pavement resurfacing, pedestrian ramp upgrades at eight intersections, and pavement marking on US 52 from US 6 to Raynor Ave (US 52).

IDOT | Jefferson Street Bridge Repair (Contract 62C04) | *Joliet, IL*
Construction Engineer for construction management services for $702,000 project involving the removal, cleaning and reinstallation of the existing bearings and repairing the bottom flange and stiffner angles on the structure carrying US 30 eastbound (Jefferson Street) over the Des Plaines River.

IDOT | I-55 Median Crossover (Contract 62G46) | *Joliet, IL*
Construction Engineer for construction management services for construction of two median crossovers on I-55 north and south of BNSF RR & Grant Creek bridge with hot-mix asphalt (HMA) binder, HMA surface course, installation of slotted drains, storm sewers, temporary concrete barriers, and high tension cable median barrier terminals.

IDOT | IL 53 (Contract 62C44) | *Joliet and Elwood, IL*
Construction Engineer for construction management services for $2.6M milling, pavement patching, hot-mix asphalt paving, and pavement marking of six miles of IL 53 from I-80 to Manhattan Road.

IDOT | US 6/IL 53 Resurfacing (Contract 62C41) | *Joliet, IL*
Construction Engineer for construction management services for $620,000 project involving pedestrian ramp upgrades at seven intersections, milling, pavement patching, hot-mix asphalt paving, and pavement marking from I-80 to Washington St.

IDOT | US 52 Jefferson Street (Contract 62C83) | *Shorewood, IL*
Construction Engineer for construction management services for $1.5M resurfacing of two miles of pavement, pedestrian ramp upgrades, and pavement marking on US 52 from I-55 one mile east to Houbolt Road and one mile west to Wynstone Blvd.

FAZALULLAH KHAN
Construction Inspector

Ardmore Roderick



Fazalullah has more than 26 years of experience in construction management, bidding, estimation and negotiation for highway, bridge, and transit system projects including cleaning and painting of existing steel structures. His direct project responsibilities include construction management and inspection, quality control management, review drawings and contract documents, identifying, determining, and resolving contractors' issues and providing recommendations based on field conditions. He has experience in managing Phase III construction projects for excavation, embankment, geo-fill, piling, caissons, MSE walls, sub-structure/super-structure concrete works, pavement (concrete/asphalt) storm sewer/sanitary sewer, installation of water mains, landscaping, roadway lighting, ITS (Intelligent Transportation System), etc.

PROFESSIONAL WORK EXPERIENCE:

Illinois Department of Transportation (IDOT) FAI Route 94 (Bishop Ford Expressway) at FAP Route 341 (Stony Island Feeder) Interchange
CONSTRUCTION MANAGEMENT | Chicago, IL | 2013 - 2015
Fazalullah was responsible for the construction management and inspection services for the interchange which included reconstruction of four bridges, signal improvements at 103rd street, street widening and pavement construction. The project included electrical and fiber optic work, storm sewer work, embankment erosion control and structural repair. His responsibilities included erosion control and traffic control inspections, overseeing contractors' activities, submittal and RFI's reviews, assigning field personnel to inspect contractor's activities, reviewing field notes and daily reports, and coordinating with contractor and IDOT for modifications and authorizations and preparing final closeout documents. He was responsible for the cleaning and painting of the three existing steel bridges at southbound Stony Island to eastbound Bishop Ford, stony Island over 103rd Street and Bishop Ford exit ramps to Stony/103rd over Metra and CN railroad tracks, inspection of all the operations related with the work.

Illinois Department of Transportation (IDOT) FAI Route 55 (Stevenson Expressway) Reconstruction of I-55 and US-41 (Lake Shore Drive) Interchange Outbound Structures
ASSISTANT LIAISON ENGINEER | Chicago, IL | 2013 - 4/2022
Fazalullah was responsible for construction management and inspection services for the project, which included demolishing existing structures, constructing ramps, bridges over Metra and CN tracks, installing caisson foundations, pier and pier caps and retaining walls. The project also included installing new bearings erecting steel girders, storm sewer and water mains up to 36", electrical and ITS work and additional structures. Responsibilities included performing erosion control and traffic control inspections. He oversaw contractor activities including reviewing submittals and RFI's and assigned field personnel to inspect contractor activities. He also reviewed inspectors' field notes and daily reports, and overage reports, coordinated with contractor and the Illinois Department of Transportation (IDOT) for modification and authorizations, prepares final closeout documents.

EDUCATION

BACHELOR OF SCIENCE, CIVIL ENGINEERING
Osmania University
India - 1989

LICENSES & CERTIFICATIONS

IDOT Documentation of Contract Quantities #22-19606

Certification IDOT:
Pavement Construction Inspection
Bridge Repair
Bridge Construction Inspection
Mixture Aggregate Technician
Hot Mix Asphalt Level I
Bituminous Concrete Level II
PCC Level I
PCC Level II
Bituminous Concrete Density Tester

Other Certification:
US Army Corps of Engineers – Construction Quality Management for Contractors
OSHA 10 Hour

FAZALULLAH KHAN
Construction Inspector

Illinois State Tollway Highway Authority (ISTHA) Bridge Rehabilitation, Tri-State Tollway (I-294) over I-88
QUALITY CONTROL PROGRAM MANAGER | Chicago, IL | 2010
Fazalullah had full responsibility for maintaining the quality control operations. He reviewed submittals, prepared QC plan and QC Addenda, and monitored the work to be sure the work was performed in accordance with the project plans and specification. He was also responsible for the cleaning and painting of the existing tri level steel bridge on I-294 over I-88, the responsibilities include but not limited to, review submittal, prepare manifest for disposal, air quality monitoring reports, inspection of scaffolding, containment for blasting and application of the primer coat and the final coats.

City of Chicago Department of Transportation Jackson Park Mobility Improvements Project
PROJECT MANAGER | Chicago, IL | 04/2022 – 4/2022
Fazalullah was responsible for the construction management and inspection services of the project. Attended weekly meetings, reviewed RFI's and submittals and provided recommendations to the Resident Engineer, quantity agreement with the contractor, maintained daily diary, reviewed contractors pay estimate.

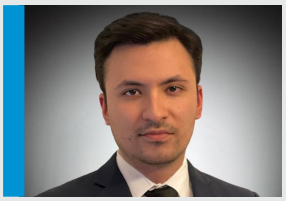
City of Chicago Department of Transportation Arterial Street Resurfacing Project
RESIDENT ENGINEER | Chicago, IL | 11/2017 – 4/2022
Fazalullah led a team of six field engineers and was responsible for overall construction management and inspection services for the project, which included flat concrete work, HMA surface removal and replacement, structure adjustments, landscaping, pavement markings, Americans with Disabilities Act (ADA) ramps, and detector loop work. Conducted weekly progress meetings, reviewed contract plans, reviewed and approved contractor's schedules, and submittals. Reviewed contractor's RFI's and provided solutions to CDOT for approval, maintain daily diary, prepare contractor's pay estimates and submit to Chicago Department of Transportation (CDOT) for approvals, prepared contract close-out documents and submitted it to the department.

Chicago Department of Transportation City-Wide Resurfacing and ADA Improvements
SENIOR FIELD ENGINEER | Chicago, IL | 2011 – 2013
Fazalullah was responsible for construction management and inspection services for various projects for CDOT. The pavement resurfacing project included preliminary survey for arterial streets, preparing drawings and estimates. In addition, the project included layout for the contractor in the field, making decisions for limits of removal of pavement, curbs and gutters, sidewalks, driveways, storm sewers and for installation of new manholes, catch basins, inlets and adjustments. ADA improvements included construction of ADA ramps, curb and gutter, sidewalk, landscaping and pavement resurfacing associated with the ADA ramp design. He monitored contractors' work, documented daily activities and prepared daily reports, and performed traffic control inspections.

Illinois State Tollway Highway Authority (ISTHA), Tri-State Tollway I-294 Widening and Reconstruction
SENIOR RESIDENT SECTION ENGINEER / TEAM LEAD | Chicago, IL | 2007 – 2010
Work included replacement of bridges and roadway mainline while maintaining traffic on a heavily used section of tollway. Fazalullah was responsible for preparation of daily reports and IDR's for construction activities including pavement removal, excavation, embankment, storm sewer installation, precast concrete noise-abatement wall, soil-nailed retaining wall, box culvert, roadway lighting, highway signs, and landscaping, etc. Responsible for traffic control and erosion control inspections, scheduling the inspectors for the daily contractors' activities and oversee their work checking their daily activity reports and inspectors' daily reports, resolving contractors' issues and RFIs. Prepared estimate for the modifications to the contract, performed dispute resolution. Prepared project closeout documents.

CONSTRUCTION INSPECTOR

David Silva, PE



David is a civil engineering associate with a specialization in Structural Engineering. His background in sales has grown his communication skills throughout the years and allowed him to adapt his problem-solving skills to any given situation. He has taken part in both IDOT and CDOT projects which have allowed him to gain experience in the documentation and testing process for state and city standards. He is proficient with CMMS and Microsoft office to ensure proper documentation and organization throughout any project.

RELEVANT EXPERIENCE

IDOT Phase III Construction Services, Multiple locations, Illinois. *Illinois Department of Transportation.* CIVIL ASSOCIATE. Responsibilities included inspection and documentation of materials used throughout the project to ensure they met the plans and IDOT Standard Specifications. Verifying ADA compliance for ADA improvements completed throughout the project using a level. Using CMMS to document and verify various quantities/pay items throughout the project. Ensured that all quantities were up to date using Microsoft Excel to assist in the documentation of quantities throughout the project including, date of completion, condition of work, and work to be completed. Ensured review of any necessary material to be prepared for any controlling items that were performed as scheduled. Performed QCP testing on HMA during placement of HMA surface course throughout the project. Verified daily yield checks to ensure proper quantity of HMA surface course was placed according to previously verified measurements. Michael Baker provided various Phase III engineering and inspection services for the Illinois Department of Transportation (IDOT). The project provided for trained staff, vehicle, and appropriate test equipment necessary to assist IDOT's resident engineer on various construction projects throughout the District One area. Assignments included general construction inspection, hot mix asphalt patching and resurfacing, Americans with Disabilities Act sidewalk inspection and layout, structures inspection, and general assistance as a member of a field crew.

S. Wentworth Avenue/Cermak Road Realignment Construction Engineering Services, Chicago, Illinois. *CDOT.* CONSTRUCTION MANAGEMENT INTERN. Responsibilities included documentation of quantities for the electrical subcontractor on the project. Verifying that all work performed by the electrical subcontractor met CDOT Standard Specifications. Created daily field book entries and created IDR's for pay items completed throughout the project. Recorded T&M for installation of temporary traffic signals installed at the intersection of Cermak Rd and Wentworth Ave. Michael Baker provided construction engineering services for the widening, resurfacing, reconstruction, and streetscape improvements along S. Wentworth Avenue between W. Cermak Road and W. 19th Street for the city's first sustainable streetscape project. Michael Baker's services included construction management, construction inspection, client coordination, traffic control, and monitoring of the implementation of sustainability initiatives.

Lewis University Airport (KLOT) Air Traffic Control Tower Construction. *IDOT Department of Aviation.* CONSTRUCTION INSPECTOR. Responsibilities include review and implementation of plans and specifications throughout the construction process. Completion of Field Book entries for work performed on site. Photo documentation and storage. Assistance with review of Change Orders, Pay Applications and project logs as required. Coordination with Contractor to ensure all work is being covered and inspected on site.

Michael Baker
INTERNATIONAL

Total Years of Experience
1

Education
B.S.C.E., Illinois Institute of Technology

B.S., Mathematics, Dominican University

Licenses/Certifications
IDOT Documentation of Contract Quantities, 21-19072

IDOT CMMS Training

MATERIAL SERVICE TESTING

Fredrick Granville

Materials QA Technician

Mr. Granville has over twenty years of experience as a construction materials field inspector and technician. His experience includes documentation, subsurface explorations, geotechnical inspections, PCC and HMA testing on interstates, state routes, local roads, and private developments in the field. Mr. Granville is also experienced in various construction related activities and documentation of project materials and quantities and assuring adherence to project specifications. Mr. Granville is experienced in I-MIRS, and e-Builder systems.

SELECTED PROJECT INVOLVEMENT

IDOT

US Route 6 (159th Street), Will Cook Road to West of US 45, Cook County, IL PTB 169 Item 4
Construction Inspector/Documentation
Mr. Granville provided construction inspection, documentation and report preparation for the US Route 6 project. MST served as a subconsultant to Civiltech Engineering for this project involving the reconstruction and widening of the existing PCC pavement from Will-Cook Road to west of US 45. The replacement of four dry land bridges and two conventional bridges is also part of this project. MST provided a full range of laboratory tests including compressive strength testing of concrete cylinders, proctors, Atterbergs, sieve/hydrometers and gradations.

US Route 12/45 (Mannheim Road), IL 72 (Higgins Road) to I-190 (Kennedy Expressway), Chicago – PTB167, Item 4
Documentation/QA Field Technician
Mr. Granville provided quality assurance documentation services for the improvement of US Route 12/45 – Mannheim Road. Material Service Testing served as a sub-consultant to T.Y. Lin International for this IDOT project. Mr. Granville also performed on-site quality assurance concrete testing, including testing for slump, air content, air/concrete temperatures, and casting cylinders for compressive strength testing. He was also responsible for monitoring the concrete placement process as well as accurate documentation of field testing results.

I-90 at I-290/Congress Parkway (Jane Byrne Interchange) EB Mainline – Racine to Congress Parkway, Cook County, PTB 184, Item 3
QA Field Technician
Mr. Granville performed on-site quality assurance materials testing for the I-90 project. MST Served as a sub-consultant to Knight E/A, Inc. This project involved the construction of three new concrete retaining walls along I-290 as well as the rehabilitation of two existing retaining walls near Racine and Morgan Streets. In addition, the I-290 mainline EB pavement will be removed and replaced from Racine to Congress Parkway. Mr. Granville performed quality assurance materials testing and reporting on aggregates, soil, concrete, and asphalt for this project.

IL Route 59 Reconstruction and Widening, Ferry Road to Aurora Avenue, DuPage County, IL, PTB163, Item 2
QA Field Technician
Mr. Granville performed on-site quality assurance materials testing for the IL Route 59 project as a sub-consultant to Omega and Associates. This project features a Diverging Diamond Interchange at I-88. This will be the first interchange of its kind in Illinois. Mr. Granville's work on this project included PCC and HMA testing at the plant and in the field. Mr. Granville also performed on-site field testing of aggregates and soil including dynamic-cone penetration testing (DCP).

CERTIFICATIONS

IDOT Certifications:
-QC/QA Mixture Aggregate Technician (3-Day)
-QC/QA Mixture Aggregate (2 Day Upgrade)
-QC/QA PCC Levels I & II
-QC/QA HMA Levels I & II
-S33 Geotechnical Inspection
-Bituminous Concrete Density Tester
-S14 Documentation of Contract Quantities No. 20-18127

ACI Certifications:
-Concrete Field Testing Technician-Grade 1

Other Certifications:
- Nuclear Safety for Gauge Operators - Troxler
- Hazmat Certification as required by U.S. DOT and IATA - Troxler

SELECTED PROJECT INVOLVEMENT-CONTINUED

IL 64 (North Avenue) Road and Bridge Improvement, Kane and DuPage Counties, IL – PTB 158-10
QA Field Technician
Mr. Granville performed a full range of quality assurance construction material testing support as a sub-consultant to Alfred Benesch for this IDOT project. The IL Route 64 (North Avenue) project includes plans to reconstruct, widen and resurface Route 64 from 7th Avenue on the west to IL Route 59 on the east. Route 64 improvements also include a bridge reconstruction, lighting, addition of retaining walls, and sidewalk additions. Inspections included field density testing for soil and aggregate backfill placed and compacted on-site. Field testing of cast in place concrete, including testing for slump, air content, air/concrete temperatures, and casting cylinders for compressive strength testing was performed as well as nuclear density testing of bituminous concrete.

ISTHA

Elgin O'Hare Western Access, I-294 to I-90–Devon Avenue to Touhy Avenue
PSB 19-3 I-19 4708
QA Field Technician
Mr. Granville is currently serving as a quality assurance materials technician on the $49 million I-490/IL390 Interchange project. This work includes the construction of four flyover ramps connecting the two Tollway roadways and two ramp bridges connecting to the west side of O'Hare International Airport.
MST has provided all on-site material testing of concrete and asphalt and laboratory services to support the project.

I-294/I-57, Tri-State Tollway M.P. 7.6 (I-57) Construction Management Services, PSB 18-3 Item 11, I-18-4420
QA Field Technician
Mr. Granville is currently serving as a quality assurance materials technician on this $67 million interchange project. This work includes the construction of new ramps connecting southbound I-57 to I-294 and I-294 to northbound I-57. Additional work includes the widening of I-57 between I-294 and the CSX Railroad to accommodate traffic entering and exiting the Tollway. MST has provided all on-sits testing of soils, concrete and asphalt and laboratory services to support the project.

Tri-State Tollway, Roadway Reconstruction & Widening, St. Charles Rd (M.P. 32) to North Ave/Lake St. (M.P. 33)
PSB 19-3 I-20 4528, I-20-4533
QA Field Technician
Mr. Granville is currently serving as a quality assurance materials technician on this $119.5 million I-290 Pavement and Bridge Preservation project for the Illinois State Toll Highway Authority. This work includes the removal and replacement of the St. Charles Road Bridge over I-294, as well as the bridge deck replacement over I-290. Additional work includes the reconstruction of four interchange ramps on the east side of I-290 and widening on westbound I-290. MST has provided all on-site material testing of concrete and asphalt and laboratory services to support the project.

Illinois Central Tri-State Tollway (I-294) Temporary ITS Relocation, PSB 18-3, Item 4, I-18-4413
Inspector
Mr. Granville provided inspection and observation responsibilities for the temporary relocation of various Intelligent Transportation Systems (ITS) during the $4 billion Central Tri-State Tollway (I-294) reconstruction project. MST served as a sub-consultant to Technow Engineering for this Illinois State Toll Highway Authority project.

Elmhurst Road Interchange at I-90, Cook County, IL
PSB 13-1, Item 6
Documentation/QA Field Technician
Mr. Granville provided documentation and material testing services which included on-site inspections, documentation, and report preparation for the Elmhurst Road Bridge over I-90 project. This work is part of the Elgin O'Hare Western Access project and includes the construction of a new bridge to carry Elmhurst Road traffic over the Jane Addams Memorial Tollway (I-90). Material Service Testing served as a sub-consultant to Milhouse Engineering and Construction, Inc. for this ISTHA project. Mr. Granville performed documentation, construction inspection, and material testing services on aggregates, soil, and concrete.

MATERIAL SERVICE TESTING

Jayeshkumar Patel
Laboratory Technician

Mr. Patel has over 7 years of experience as a Laboratory Technician. He is responsible for performing laboratory testing in an IDOT approved lab. He currently tests various aggregate, asphalt, concrete, masonry and soil samples according to applicable standards and specifications. Mr. Patel compiles and enters technician reports and prepares them for review. Mr. Patel is also responsible for maintaining the lab according to IDOT and AASHTO accreditation standards.

SELECTED PROJECT INVOLVEMENT

Illinois Department of Transportation, District One – Various, Various (PTB 150-008 and 169-006)
Laboratory Technician
Mr. Patel performed QA testing and inspection of materials within the entire IDOT District One area. Inspections were performed on asphalt, concrete and aggregates from various projects in the field and also at IDOT's District One Lab. Mr. Patel was involved in routine HMA tests on split samples provided by IDOT from various projects throughout District One. Testing included Gmm, Gmb, reflux extraction, ignition, TSR verification and core density tests.

Illinois State Toll Highway Authority Experience
Laboratory Technician
Mr. Patel has completed over 100 mix verifications for various ISTHA projects under the Tollway's Systemwide contract. His responsibilities included performing production samples for HMA air voids, reflux extraction, asphalt content by Ignition method, wash gradations, PGE gradations, RAP count and slag content determination of aggregate samples.

Hot Mix Asphalt Mix Design
Laboratory Technician
Mr. Patel is an experienced HMA technician in the laboratory. His responsibilities included blending, proportioning and preparing Hot Mix Asphalt mix design points for HMA production as per QC/QA mix design requirements. His responsibilities also included batching, mixing, and testing of points, Tensile Strength Ratio (TSR) and reporting of design to the laboratory supervisor.

Hot Mix Asphalt Production Samples
Laboratory Technician
Mr. Patel responsibilities included testing of daily production of HMA QA samples. Testing included sieve analysis of fine and coarse aggregates, bulk specific gravity (Gmm), maximum specific gravity (Gmb) of samples by superpave gyratory compactor, asphalt binder content by reflux extraction and ignition, PGE gradations, slag content determination, core testing, Tensile Strength Ratio (TSR) visual ratings and Hamburg Wheel tests.

IDOT Round Robin Proficiency Testing
Laboratory Technician
Mr. Patel has extensive experience performing HMA tests for IDOT's Round Robin Proficiency Tests. Round Robin tests include Gmm, Gmb (Superpave), Tensile Strength Ratio (TSR), visual ratings and Hamburg Wheel tests.

REGISTRATIONS AND CERTIFICATIONS

IDOT Certifications:
-QCQA Mixture Aggregate Technician (3-Day)
-QCQA HMA Level I, II
-Nuclear Density Tester

ACI Certifications:
-Concrete Strength Testing Technician

CONSTRUCTION MANAGEMENT QUALITY REPRESENTATIVE

Daniel Johnson, EIT



Prior to his employment at Michael Baker, Mr. Johnson worked for the City of LaSalle as city engineer contributing to multiple engineering projects throughout the area. His work has focused on roadway reconstruction, subgrade aggregate installation, and drainage construction. He is knowledgeable at Microsoft Office (Word, Excel, PowerPoint), AutoCAD, and MicroStation.

RELEVANT EXPERIENCE

IDOT Phase III Inspection Services, Multiple locations, Illinois. *APS Consulting Inc.* CONSTRUCTION ASSOCIATE. Responsibilities included coordination with contractor in field about interpretation and implementation of plans, inspection of ADA regulated sidewalk corners, installation of loop detectors, and asphalt removal and overlay. All processes were inspected and installed per IDOT standards and proper ADA requirements as applicable. Performed location layout and chain of custody oversight of HMA mixture and density samples for PFP/QCP specification implementation. Daily reports and payments were made on a regular basis as per the request of the residing resident engineer. Comparison of plans to in-place conditions were performed throughout the project to ensure that the plans were updated to reflect the most current existing conditions. The project provided for trained staff, vehicle, and appropriate test equipment necessary to assist IDOT's resident engineer on various construction projects throughout the District One area. Assignments included general construction inspection, hot mix asphalt patching and resurfacing, ADA sidewalk inspection and layout, and structures inspection.

IDOT ADA Ramps - W05. *IDOT.* CONSTRUCTION ASSOCIATE. Responsible for the project design included sheet generation, drawing mark-ups, and summarizing reports. All contributions revolved around teamwork and cooperation between fellow workers to ensure completion. All work was performed to adhere to the most current design standards set forth.

IDOT ADA Ramps - W07. *IDOY.* CONSTRUCTION ASSOCIATE. Responsible for the project design included sheet generation, drawing mark-ups, and summarizing reports. All contributions revolved around teamwork and cooperation between fellow workers to ensure completion. All work was performed to adhere to the most current design standards set forth.

Route I-90 (Kennedy) EB from IL 171 (Cumberland) to IL 41 (Harlem), Chicago, IL. *IDOT.* CONSTRUCTION ASSOCIATE. Responsibilities included inspection of multi-disciplinary work ranging from drainage, roadway marking and subgrade improvements and modifications. To achieve proper inspection in these disciplines advanced organizational skills and communication with fellow workers was required. Project contributions revolved around team-oriented work and being able to cover all contractors present on the job. Michael Baker provided construction inspection services for the improvement of I-90 (Kennedy Expressway) eastbound from IL 171 (Cumberland Avenue) to IL 43 (Harlem Avenue). The project included construction of a new lane, new retaining walls, lighting, resurfacing of the frontage road between Oriole Avenue and Harlem Avenue, and other related work.

Cedar Street Extension Phases I and II Engineering Services, East Peoria, Illinois. *IDOT.* CONSTRUCTION ASSOCIATE. Responsible for the project design included sheet generation, drawing mark-ups, and exhibit creation. All contributions revolved around teamwork and cooperation between fellow workers to ensure completion. Additionally, all work was performed to adhere to the most current design standards set forth.

***I-88 Roadway Rehabilitation Construction Management Services RR-13-5660, Dixon, Illinois.** *Illinois State Toll Highway Authority.* CONSTRUCTION ASSOCIATE. Responsibilities included inspection of multi-disciplinary work ranging from subgrade improvements, electrical, drainage, and paving. To achieve proper inspection in these disciplines advanced organizational skills and communication with fellow workers was required. Project contributions revolved around team-oriented work and being able to cover all contractors present on the job. Michael Baker served as the prime consultant on the recently completed Illinois Tollway. Work included roadway rehabilitation of the Illinois Tollway-owned portion of I-88 from M.P. 55.1 to M.P. 44.2, where IDOT jurisdiction begins. Tasks included construction management, construction inspection, and project management.

Denotes projects completed prior to joining Michael Baker

Michael Baker
INTERNATIONAL

Years of Experience
6

Education
M.S.C.E., Construction Management, University of Illinois at Urbana-Champaign

B.S.C.E., Construction Management, University of Illinois at Urbana-Champaign

Licenses/Certifications
IDOT Documentation of Contract Quantities, Illinois, 20-18041

Engineer-In-Training, Illinois, 061.040518

IDOT CMMS Training

IDOT Erosion & Sediment Control Training

OSHA 10-Hour Construction Outreach Training, Illinois, 2021

PRINCIPLE-IN-CHARGE

Joseph R. Catalano, P.E.



Joe is experienced in applying engineering, management and leadership expertise to transportation projects for numerous clients throughout Illinois and the Midwest. Most recently, he has overseen Michael Baker's Illinois and Wisconsin operations. Previous to that, he was the Consultant Owner's Representative Executive for the Illinois Tollway's $4 billion I-294 Central Tri-State Reconstruction project, an ambitious program that will increase capacity and improve travel reliability over 22 miles of the Illinois Tollway's most-traveled interstate.

RELEVANT EXPERIENCE

Construction Management for Various Task Orders. *Cook County, Illinois.* PRINCIPAL-IN-CHARGE. Responsible for overseeing project quality and client satisfaction.

Cook County DOTH Construction Manual Rewrite, Cook County, Illinois. *Cook County, Illinois.* PRINCIPAL-IN-CHARGE. Responsible for overseeing project quality and client satisfaction. Michael Baker provided construction management services and coordinated the writing of the Cook County Department of Transportation and Highways Bureau of Construction process manual for internal and external users. The County desired to standardize and document its processes and workflow for management of roadway construction projects. Michael Baker coordinated with and led additional consultants to capture input data and collaborate with subject matter experts. It oversaw weekly progress and coordination meetings with the client and process research with other agencies. The opportunity highlighted Michael Baker's flexibility to provide unique solutions for clients' complex challenges.

Cook County DOTH Special Provisions and Details Project, Cook County, Illinois. *Cook County, Illinois.* PRINCIPAL-IN-CHARGE. Responsible for overseeing project quality and client satisfaction. Michael Baker provided Phase III engineering services for the review and rewrite of Cook County Division of Transportation and Highway's "Special Provisions and Details." For the project, Michael Baker coordinated with and led additional consultants to capture input data and collaborate with subject matter experts. It also oversaw weekly progress and coordination meetings with the client and process research with other agencies.

Tri-State Tollway Roadway Reconstruction and Bridge Rehabilitation I-17-4302, Cook County, Illinois. *Illinois State Toll Highway Authority.* PRINCIPAL-IN-CHARGE. Responsible for overseeing project quality and client satisfaction. As part of a joint venture, Michael Baker prepared contract plans, special provisions, cost estimates, and project-related permits for widening and rehabilitating the Tri-State Tollway (I-294) from just west of Wolf Road to the O'Hare Oasis. The project provided an additional lane for both directions of the I-294 mainline pavement along the entire design section. The scope also included reconstruction of the O'Hare Oasis ramps; repairs to the Bensenville Yard bridges and several culverts, retaining walls, and noise walls; three gantry structure foundations and dynamic message signs (DMS) foundations; and sign structure foundations for overhead truss, cantilever, and ground-mounted signs.

***I-294 Central Tri-State Reconstruction Project.** *Illinois State Toll Highway Authority.* CONSULTANT OWNER'S REPRESENTATIVE EXECUTIVE. Owner's Representative Executive for the Illinois Tollway's $4 billion Central Tri-State Tollway Reconstruction and Widening as part of the Tollway's capital program, Move Illinois: The Illinois Tollway Driving the Future. Responsibilities include overseeing day to day operations and a full-time staff of twenty-six engineers as Owner's Representative Executive for the Illinois Toll Highway Authority on a $157 million, 10-year contract. As well as direct interaction with the Executive Director, Senior Management staff and the Board of Directors, the contract includes delivering a wide variety of design & construction projects on the 22-mile Central Tri-State Corridor. Ongoing – Design: 2016 – Present; Construction: 2018 - 2024

***Move Illinois Capital Improvement Program.** *Illinois State Toll Highway Authority.* PROGRAM MANAGER FOR THE TOLLWAY'S $12.1 BILLION CAPITAL PROGRAM, MOVE ILLINOIS: THE ILLINOIS TOLLWAY DRIVING THE FUTURE. Responsibilities include overseeing day to day operations and a full-time staff of seventy-five engineers as Program Manager to the Illinois Toll Highway Authority on a $70 million multi-year contract. As well as direct interaction with the Executive Director, Senior Management staff and the Board of Directors, the contract includes technical support to the Tollway for delivering a wide variety of planning, design, construction & maintenance projects.

Denotes projects completed prior to joining Michael Baker

Michael Baker
INTERNATIONAL

Years of Experience
36

Education
B.S.C.E., 1985, Civil Engineering, Marquette University

Licenses/Certifications
Professional Engineer, Illinois, 1999, 062052701

ENVIRONMENTAL ADVISOR

Wendy Vachet, AICP



Wendy serves as the Environmental Group Manager in Michael Baker's Chicago, Illinois office. She is a senior project manager and planning practitioner specializing in integrated planning solutions for data-driven, informed decision-making and has extensive experience with multi discipline technical teams, integrated analyses, and stakeholder and community engagement for transportation, land use, and environmental projects.

RELEVANT EXPERIENCE

IL Route 43 (Harlem Avenue) from 63rd Street to 65th Street Phase I Study (CREATE Project GS1), Cook County, Illinois. *IDOT.* ENVIRONMENTAL MANAGER. Responsible for managing all aspects of environmental analysis, documentation and public involvement activities including subconsultants (approved CE expected in early 2021). Public involvement lead including facilitation lead for of all CAG meetings and execution of the overall public involvement effort including public meetings, one-on-one meetings, local agency coordination, railroad coordination. Michael Baker is conducting a comprehensive engineering and environmental study for improvements to Harlem Avenue (IL 43) between 63rd Street and 65th Street, including an investigation of grade-separating the Belt Railway of Chicago at two existing at-grade crossings. This project is the Chicago Region Environmental and Transportation Efficiency (CREATE) Program Project GS1. Michael Baker's services include data collection and analysis; geographic information system (GIS), topographic, and utility mapping; environmental investigations; extensive public and stakeholder involvement (http://www.il43study.org/the-study/); the development of context-sensitive solutions; traffic impact studies; roadway, railroad, and bridge condition investigations; drainage studies; right-of-way analyses; roadway and rail geometric analyses; lighting assessment; purpose and need statement development; alternatives analysis; financial analysis; railroad coordination; and project management.

Sherman Minton Corridor Project: Phase I Design-Build Procurement Support, New Albany, Indiana. *Indiana Department of Transportation.* ENVIRONMENTAL SCIENTIST. Responsible for managing all aspects of environmental analysis, documentation, public involvement and development of environmental technical provisions (contract) activities. Key deliverables included the development of a complex CE-4 (INDOT) including full Community Impact Assessment and Environmental Justice Technical Report for this controversial, bi-state bridge rehabilitation project being procured as under Design Bid Best Value. (CE approved in October 2020). Public involvement lead including facilitation lead for the bi-state Community Advisory Committee (CAC) and two Environmental Justice Technical Committees (EJ Tech Committees) (one in New Albany, IN and one in West Louisville, KY) and execution of the overall public involvement effort including two-rounds public open houses, one-on-one stakeholder meetings and website and outreach content. Final round of public outreach included a Virtual Public Outreach component in compliance with draft INDOT and KYTC Virtual Public Involvement guidance. Due to the complexity of the project and the presence of environmental justice populations on both sides of the Ohio River, two agency coordination meetings and a Waters of the US agency field review were conducted. Michael Baker provided preliminary engineering support and environmental services for the design-build rehabilitation of the Sherman Minton Bridge in New Albany, Indiana. Services include project management, agency coordination, environmental documentation, preliminary engineering and design, and utility coordination.

Coalfields Expressway, McDowell, Wyoming, and Raleigh Counties, and Williamson and Bluefield, West Virginia. *West Virginia Department of Transportation, Division of Highways.* TASK MANAGER. Task Manager for the development and submission of a Federal Clean Water Act Section 404 permit application for approximately 90 miles of partially controlled access highway in 4 counties in West Virginia. The permit required the identification of all waters of the United States impacted by the proposed expressway project. Responsibilities included identification of all adjacent property owners to impacted watersheds, perennial and intermittent streams, and wetlands. Michael Baker is conducting a Purpose and Need Study for the Coalfields Expressway, a proposed four-lane highway that would span approximately 60 miles across three southern West Virginia counties -- McDowell, Wyoming, and Raleigh -- with the southern terminus extending into Buchanan County, Virginia.

Michael Baker
INTERNATIONAL

Years of Experience
28

Education
M.S., Urban Studies, Old Dominion University

B.S., Environmental Science/ Management/ Public Affairs, Indiana University at Bloomington

Licenses/Certifications
American Institute of Certified Planners (AICP), 161894

ENVIRONMENTAL ADVISOR

Wendy Vachet, AICP

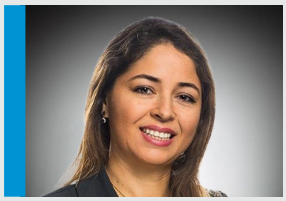
Annual Environmental Services, Chicago, Illinois. *Republic Engineered Steels, Inc.* ENVIRONMENTAL SCIENTIST. Provided environmental documentation and fieldwork support. Michael Baker provided annual environmental services relating to air, water, and hazardous waste. Wastewater monitoring and report preparation was performed in accordance with the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) Sewage and Waste Control Ordinance. The Hazardous Waste Generators Report which accounts for all hazardous wastes generated onsite, and tracks the wastes through final disposal, was prepared as required by IEPA.

King Coal Highway Environmental Impact Statement, Mingo, Wyoming, McDowell, and Mercer Counties, Williamson and Bluefield, West Virginia. *West Virginia Department of Transportation, Division of Highways.* TASK MANAGER. Responsible for the development and submission of a Federal Clean Water Act Section 404 permit application for approximately 60 miles of partially controlled access highway in 4 counties, 3 in West Virginia and 1 in Virginia. The permit required the identification of all waters of the United States impacted by the proposed expressway project. Responsibilities included identification of all adjacent property owners to impacted watersheds, perennial and intermittent streams, and wetlands. This information was entered into a database created specifically for the project. Altogether the permit included 47 detailed maps, 116 crossings, all effected landowner information, and was completed in an intensive 3-week period. Michael Baker is providing environmental services for a proposed 95-mile four-lane highway project. Services include agency scoping, preparing a Purpose and Need study, an alternatives analysis resulting in the reduction of build alternatives report, and an analysis of the physical, natural, and socioeconomic environment for the preparation of the draft and final Environmental Impact Statements and Record of Decision.

Appalachian Corridor H Environmental Impact Statement, Appalachian Highlands Region, Elkins, West Virginia. *West Virginia Department of Transportation, Division of Highways.* PROJECT MANAGER. Responsible for daily project management; client, sub-consultant, and agency coordination; public involvement; and directing staff. Responsible for directing the project effort; presenting study results to West Virginia Department of Highways (WVDOH) as well as all Agency and Public Workshops and Hearings; and preparing the DEIS, SDEIS, FEIS, and ROD. Significantly involved in the preparation of all technical reports and public information materials including website content, presentations, and meeting materials. WVDOH and the FHWA approved the Record of Decision (ROD) for the Battlefield Avoidance SEIS in May 2003. Responsible for daily management of project, client, and agency coordination; public participation; preparation of Section 106 compliance documents, mitigation coordination, pre-bid final design meetings; supplemental NEPA documentation; and Section 404 permitting. Michael Baker is preparing the tiered Corridor H Supplemental EIS study for the Appalachian Corridor H, a 100-mile proposed four-lane highway intended to provide access from Interstate 81 in Northwestern Virginia through the rugged, mountainous terrain of West Virginia's Appalachian Highlands Region. This consisted of a corridor-level study evaluation to determine the environmental and engineering constraints existing along 24 potential alternative corridors (Tier 1) and a follow-on Alignment Selection FEIS (Tier 2). Michael Baker is also providing advanced preliminary engineering on the preferred alignment. Following the 1996 Record of Decision, the WVDOT and FHWA were sued in Federal District and Appeals Courts by a coalition of 13 environmental groups. Michael Baker provided lawsuit support for legal counsel during that period. Now that the project is under construction, Michael Baker is providing environmental monitoring and engineering services.

MWRD COORDINATOR

Tatiana Papakos, PE, CFM



Tatiana is a professional engineer with many years of experience in water resources and project management. She specializes in H&H modeling, roadway drainage design, hydraulic studies, flood plain analysis, watershed studies, stormwater master planning and permitting, best management practices and LID design, TMDL development, and water quality assessments. Tatiana Papakos, PE, CFM, is extremely familiar with the IDOT Drainage Manual and has served as the (H&H) modeler and drainage/stormwater designer for numerous clients.

RELEVANT EXPERIENCE

Tri-State Tollway Roadway Reconstruction and Bridge Rehabilitation I-17-4302, Cook County, Illinois. *Illinois State Toll Highway Authority.* QA/QC ENGINEER. Provided quality control reviews for the utility plans, drainage plans, stormwater, and detention design. Michael Baker prepared contract plans, special provisions, cost estimates, and project-related permits for widening and rehabilitating the Tri-State Tollway (I-294) from just west of Wolf Road to the O'Hare Oasis. The project provided an additional lane for both directions of the I-294 mainline pavement along the entire design section. The scope also included reconstruction of the O'Hare Oasis ramps; repairs to the Bensenville Yard bridges and several culverts, retaining walls, and noise walls; three gantry structure foundations and dynamic message signs (DMS) foundations; and sign structure foundations for overhead truss, cantilever, and ground-mounted signs.

Cedar Street Extension Phase I and Phase II Engineering Services, East Peoria, Illinois. *IDOT.* DRAINAGE ENGINEER AND QA/QC REVIEWER. Providing technical QA/QC reviews for the Location Drainage Study, including existing drainage plans, proposed drainage plans, erosion and sediment control plans, utility plans, and all supporting drainage calculations. Designed deck drainage for the Cedar Street bridges. Michael Baker is providing comprehensive Phase I and II engineering services for improvements to the Cedar Street Extension over the Tazewell & Peoria Railroad and Illinois Route 29. Project limits extend from Center Street to the west, Illinois Route 29 interchange to the east, Ravine Street to the south, and East Washington Street to the north.Phase I engineering services for improvements were recently completed and Phase II final design services are ongoing.

IL Route 43 (Harlem Avenue) from 63rd Street to 65th Street Phase I Study (CREATE Project GS1), Cook County, Illinois. *IDOT.* DRAINAGE LEAD. In charge of the drainage design for the roadway improvements, including providing a new drainage outfall corridor for the project stormwater. Michael Baker is conducting a comprehensive engineering and environmental study for improvements to Harlem Avenue (IL 43) between 63rd and 65th Streets, including an investigation of grade-separating the Belt Railway of Chicago at two existing at-grade crossings. Additional services include data collection and analysis; geographic information system (GIS), topographic, and utility mapping; environmental investigations; extensive public and stakeholder involvement; the development of context-sensitive solutions; traffic impact studies; roadway, railroad, and bridge condition investigations; drainage studies; right-of-way analyses; roadway and rail geometric analyses; lighting assessment; purpose and need statement development; alternatives analysis; financial analysis; railroad coordination; and project management.

KDOT 2020 Structural Services, Kane County, Illinois. *Kane County Division of Transportation.* DRAINAGE MANAGER. Responsible for the design of the stream restoration and erosion control and scour countermeasures to protect the bridge. Michael Baker is providing design and engineering services for the Kane County Department of Transportation's (KDOT) 2020 bridge inspections and rehabilitations. The project entails inspecting and evaluating 17 bridges to determine recommendations for repair and maintenance activities required to maintain safe conditions and good working order. Hydrology and hydraulics will be performed on structures where the anticipated construction will impact waterways. Michael Baker will permit and develop contract documents that include all information required to let and construct the projects.

Merriman Road Rehabilitation and Bridge Replacement, Wayne County, Michigan. *Wayne County, Michigan.* HYDRAULIC ENGINEER. Responsible for the hydraulic analysis of the bridge using HEC-RAS to determine base flood elevations and water surface elevation impacts for the proposed bridge and guides the bridge's design. This is a Michigan Department of Transportation Local Agency Program project to resurface half a mile of Merriman Road between James Avenue and Hawthorn Drive, modernize the traffic signals at the Hawthorn Drive intersection, and replace two bridges.

Michael Baker
INTERNATIONAL

Total Years of Experience
22

Education
M.S.C.E., Water Resources, University of South Florida, Tampa

B.S.C.E.,Hydrology and Hydraulics, Universidad Nacional de Colombia

Licenses/Certifications
Professional Engineer, Illinois, 062.065558

Certified Floodplain Manager, Illinois, 06-00300

Professional Affiliations
American Council of Engineering Companies of Illinois (ACEC/IL)

American Society of Civil Engineers

MWRD COORDINATOR

Tatiana Papakos, PE, CFM

US 51 Cairo Bridge Replacement, Wickliffe, Kentucky, and Cairo, Illinois. *Kentucky Transportation Cabinet.* QA/QC ENGINEER. Responsible for the hydrologic analysis of the coincident storm events at the Upper Mississippi River and Ohio River confluence. Performed a statistical and joint probability analysis. In addition, responsible for the Mississippi River no-rise hydraulic analysis to determine and mitigate impacts due to the project on the Mississippi River floodplain. Michael Baker is providing preliminary engineering and environmental services to replace the National Register-eligible, 82-year-old U.S. 51 Cairo Bridge. This vital connection, which stands over a mile long with a cantilever truss and approach spans, is between Wickliffe, Kentucky, and Cairo, Illinois, near the confluence of the Ohio and Mississippi Rivers. The project aims to provide a constructible and affordable structure that will improve safety and the substandard load capacity of the geometrically deficient historic bridge caused by narrow lane widths, lack of shoulders, and tight curve of the existing bridge and its approaches.

IDOT Drainage – Phase I Studies for District One, Illinois. *Kabbes Engineering Inc.* PROJECT MANAGER AND TECHNICAL LEAD. Michael Baker is providing drainage design services for the development of Phase I studies that are part of a master agreement with IDOT District 1. The phase I studies are for intersections, short highway segments, and bridges. Task under the master agreement include data collection, field investigation, surveys, storm sewer televising, drainage investigations, stakeholder and public outreach, development and evaluation of cost-effective alternatives, preparation of plans, location drainage studies, and hydraulic reports. Project locations include Midlothian Road drainage ditch and cross culvert, Rand Road drainage system, Palatine Road bridge, and Butterfield Road drainage ditch improvements.

U.S. 50 Improvements, Seymour, Indiana. *Indiana Department of Transportation.* QA/QC ENGINEER. Provided QA/QC drainage reviews for the stormwater system and roadway drainage using HydroCAD, HY-8, and SSA software. Michael Baker provided engineering and environmental services for a 1.35-mile section of US 50. Services included roadway and pavement design, utility coordination, environmental services, and permitting. The project is in an urban setting with numerous commercial drives, traffic signals, and turn lanes.

I-70 Pavement Replacement, Indiana. *Indiana Department of Transportation.* HYDRAULIC ENGINEER. Provided hydrologic and hydraulic analysis for the roadway stormwater detention design using inline ditch detention and provided hydraulic design of several culvert crossing replacement including lining options. Michael Baker provided management, coordination, and design services to produce contract documents for an added travel lane on I-70 from Ronald Reagan Parkway west to S.R. 267. This project consisted of the development of plans and specifications for the rehabilitation and widening of I-70 from the I-70/SR-267 interchange to the I-70/Ronald Reagan Parkway interchange and included pavement reconstruction and rehabilitation of both interchanges. The project length was 2.79 miles and the estimated construction cost for this project is approximately $60 million.

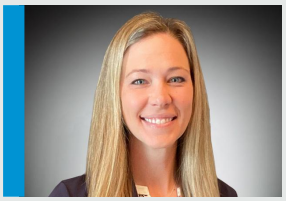
I-69 Reconstruction Southwest and University Regions D-B. *Michigan Department of Transportation.* DESIGN ENGINEER. QA/QC reviewer for the drainage design and technical lead responsible for detention design to reduce peak discharges to the county drains as a result of roadway improvements. Performed drainage delineation, hydrologic modeling using WinTR-55, hydraulic modeling using HEC-RAS, detention design, and technical reviews. Michael Baker was responsible for the reconstruction of approximately 23 miles of I-69, including replacement of cross culverts, side slope improvements detention design, and County drain culvert replacements.

Van Horn Road and Allen Road Improvements, Woodhaven, Wayne County, Michigan. *City of Woodhaven, MI.* DRAINAGE/HYDRAULIC ENGINEER. For the bridge hydraulic analysis, developed HEC-RAS models for existing and proposed conditions to size the bridge and minimize impacts, provided compensatory storage, scour analysis for bank protection, bankfull width calculations, and prepared hydraulic report to support the EGLE permit application. For the roadway storm sewer system, provided detention analysis and sizing to meet Wayne County requirements. This project included the design of four miles of roadway, a new bridge through wetlands and a flood plain, mast arm signals, railroad crossings, and ITS elements. It also provided drainage improvements, water quality and wetland designs, public engagement, traffic control, and intensive EGLE permitting. The project entailed more than $1 million worth of work to be completed in less than three months to obligate the federal earmark that was set to expire.

Denotes projects completed prior to joining Michael Baker

UAS LEAD

Alicia McConnell, PE, sUAS



Alicia's experience is multi-faceted in that she is a transportation engineer with design experience and a remote pilot with experience flying unmanned aerial systems (UAS). Combining these two skills provides her with a unique perspective, as she can collect and post-process UAS data. Recently, she led the UAS Bridge Inspection Pilot project for WisDOT, which included the partial inspection of three structures across the state. She has also overseen UAS data post-processing, including organizing and importing data, developing 3D models, and logging flight photos/videos.

RELEVANT EXPERIENCE

McClugage Bridge Construction Phase Services, Peoria, Illinois. *Illinois Department of Transportation.* UAS PILOT. During a flood event, provided UAS imagery and video to the client to record water elevations and existing flood conditions surrounding the McClugage Bridge. Michael Baker is providing engineering support as part of a joint venture team constructing the McClugage Bridge, which crosses the Illinois River and connects Peoria and East Peoria. The project will replace the one-mile eastbound truss structure with a tied arch structure and include 23 spans and 22 piers. Eastbound U.S 150 will also be realigned with the new bridge.

I-40/Mississippi River Inspection, West Memphis, Arkansas, and Memphis, Tennessee. *Arkansas Department of Transportation.* UAS PILOT. As the UAS sensor operator ensured the video data collection was of high quality. Teamed with the Chief Pilot, the UAS team collected all 96 cables on the structure in just four days. Michael Baker provided engineering services to inspect the I-40 Bridge over the Mississippi River. Michael Baker dedicated a strong team of experienced bridge engineers and inspectors to guarantee the highest quality of services to meet the client's goals for this important undertaking of inspecting one of the most significant and heavily-traveled bridges in Arkansas. As the prime consultant, Michael Baker provided pre-inspection planning and coordination, field inspection, and an inspection report.

IH 43 Crowbar Drive to CTH I Construction Management Services, Waukesha County, Wisconsin. *Wisconsin Department of Transportation.* UAS PILOT. UAS was used to take construction progress photos. Part 107 certified pilot that performed the flights. Michael Baker provided construction management and inspection services for structure reconstruction and repair work for six bridges along IH 43 in Waukesha County. Michael Baker's services included material and quality verification inspection, review of contractor submittals, response to requests for information, preparation of contractor payments, contract modifications, and stakeholder and nearby project coordination.

ALCOSAN Wet Weather Plant Expansion Construction Management Services, Pittsburgh, Pennsylvania. *Allegheny County Sanitary (ALCOSAN) Authority.* PROGRAM MANAGER. Responsible for the coordination of pilots and equipment and verification of safe operations. Michael Baker is providing construction management services for the Allegheny County Sanitary Authority's (ALCOSAN) Wet Weather Plant Expansion Program. One of the most complex and important public works projects in the history of Pittsburgh, ALCOSAN has developed a Wet Weather Plan that evaluates and improves multiple components of the ALCOSAN system and increases the capacity to receive more flows during wet weather events. Michael Baker is providing construction management services from pre-construction through closeout, including design phase services, constructability reviews, value engineering, bidding assistance, resident inspection, scheduling, and start-up and commissioning services.

Cedar Street Extension Phases I and II Engineering Services, East Peoria, Illinois. *Illinois Department of Transportation.* PROJECT ENGINEER. Responsible for overseeing geometric concepts, design exceptions, and modeling. Prepared Project Report and coordinated information between Caterpillar, East Peoria, and IDOT. Michael Baker is providing comprehensive Phase I and II engineering services for improvements to the Cedar Street Extension over the Tazewell & Peoria Railroad (TZPR) and Illinois Route 29 in East Peoria, Illinois. Project limits extend from Center Street to the west, Illinois Route 29 interchange to the east, Ravine Street to the south, and East Washington Street to the north. Michael Baker recently completed Phase I engineering services for improvements and is actively working on Phase II final design.

IL Route 43 (Harlem Avenue) from 63rd Street to 65th Street Phase I Study (CREATE Project GS1), Cook County, Illinois. *Illinois Department of Transportation.* PROJECT ENGINEER. Assisted with alternatives analysis used in the Phase 1 report to IDOT. This included evaluating the alternatives based on prioritized criteria and presenting the information to the client. Michael Baker is conducting a comprehensive engineering and environmental study to improve

Michael Baker
INTERNATIONAL

Total Years of Experience
14

Education
B.S.C.E., Southern Illinois University at Edwardsville

Licenses/Certifications
Professional Engineer, Illinois, 062.071300

Part 107 sUAS Remote Pilot Certificate, 3919239

UAS LEAD

Alicia McConnell, PE, sUAS

Harlem Avenue (IL 43) between 63rd Street and 65th Street, including an investigation of grade-separating the Belt Railway of Chicago at two existing at-grade crossings. *This project is the Chicago Region Environmental and Transportation Efficiency (CREATE) Program Project GS1.* Michael Baker's services include data collection and analysis; geographic information system (GIS), topographic, and utility mapping; environmental investigations; extensive public and stakeholder involvement; the development of context-sensitive solutions; traffic impact studies; roadway, railroad, and bridge condition investigations; drainage studies; right-of-way analyses; roadway and rail geometric analyses; lighting assessment; purpose and need statement development; alternatives analysis; financial analysis; railroad coordination; and project management.

Statewide Fracture-Critical Bridge Inspection, Statewide, Kentucky. *Kentucky Transportation Cabinet.* UAS VISUAL OBSERVER. As a visual observer and sensor operator, responsible for keeping the remote pilot informed of any air traffic in the area and operating the camera. Keeping the camera focused on the cable was imperative, so the image quality remained high. Michael Baker conducted fracture-critical inspections of five complex, long-span truss bridges over the Ohio River. Rope access and climbing techniques were used to gain access to the various components of the bridges.

Rehabilitation of Twin I-65 Bridges over Central Avenue, Lake County, Indiana. *Indiana Department of Transportation.* DESIGNER. Oversaw the roadway design and MOT plan creation. Also prepared a Level One Design Exception. Michael Baker provided engineering services for rehabilitating the northbound and southbound lanes of the twin I-65 bridges over Central Avenue, CSX Railroad, and a tributary to Burns Ditch in Lake County.

I-39 Overpass Structures Improvements Design, Dane County, Wisconsin. *Wisconsin Department of Transportation.* CIVIL ENGINEER. Responsibilities included preliminary design, correspondence with the department of transportation, and plan production. Michael Baker provided engineering and environmental services to improve five bridges along I-39 over State Trunk Highway (STH) 19 and the Canadian Pacific Railroad. The improvements align the eastbound I-39 entrance ramp with the exit ramp at the STH 19 interchange, create a signalized intersection on the west end of the interchange, replace the decks and wingwalls, and paint the girders. Michael Baker provided structure and roadway design; prepared plans, specifications, and estimates (PS&E); conducted environmental studies and documents; prepared and implemented a public involvement plan, and developed a traffic management plan.

I-794 Lake Freeway and Hoan Bridge over the Milwaukee River, Milwaukee, Wisconsin. *Wisconsin Department of Transportation.* CIVIL ASSOCIATE. Responsibilities included typical sections on the entire project, ramp closure gate details, cross sections on Lake Interchange ramps, and plan production. Implemented working directory standard for all firms working with ProjectWise. Michael Baker provided preliminary and final design services for the I-794 Lake Freeway and Hoan Bridge Project, which included major improvements to the freeway and the Daniel Hoan steel tied-arch bridge.

UAS Bridge Inspection Pilot, Statewide, Wisconsin. *Wisconsin Department of Transportation.* PROJECT MANAGER. Responsible for providing FAA coordination for UAS flights at three different sites. Also, participated in the UAS inspection and trained on the Falcon 8 and Inspire 1. Michael Baker provided a pilot unmanned aerial system (UAS) bridge inspection project that investigated the capabilities of a UAS for various data collection aspects of bridge inspections. Coordination with the Federal Aviation Administration (FAA) was required to perform these inspections. The initial investigation phase included corresponding with the FAA, collecting data with a UAS, processing the data, preparing the data for use by the department, and providing a technical report on the value of a UAS. The extracted data was compared to the content in a traditional bridge inspection report and used for modeling, extracting measurements, and documenting the location of deficiencies on the bridge.

UAS Construction Inspection Pilot Project, Middletown, Connecticut. *Connecticut Department of Transportation.* PROGRAM MANAGER. Provided guidance on the UAS inspection flight planning and coordination with the client. Michael Baker provided UAS data and engineering services to collect surface data at the replacement bridge construction site along West Street over the P&W Railroad. The limits of data collection, defined by the CTDOT, did not extend beyond the project limits or any tree lines. Michael Baker provided the pilot, visual observer, and UAS equipment necessary to collect and process data for a digital surface model of the project site and aerial video. The intent of collecting and processing this UAS data was to determine if UAS-derived surfaces and data were adequate for construction inspection.

RAILROAD ADVISOR

Matt Kirby, PE, MLE, MASCE



Matt is a licensed Professional Engineer with experience across the transportation and infrastructure industry. He has roadway design specialization in geometric design, traffic staging, project scheduling, and roadside safety, and flexibility to support rail projects. He builds relationships with clients through technical excellence, timeliness, and reliability. He leads at work as a project engineer and design specialist.

RELEVANT EXPERIENCE

IL Route 43 (Harlem Avenue) from 63rd Street to 65th Street Phase I Study (CREATE Project GS1), Cook County, Illinois. *IDOT.* ESTIMATING ENGINEER. Served as senior engineer in charge of estimating construction costs for the preliminary grade separation design. Michael Baker is conducting a comprehensive engineering and environmental study for improvements to Harlem Avenue (IL 43) between 63rd Street and 65th Street, including an investigation of grade-separating the Belt Railway of Chicago at two existing at-grade crossings.

Tri-State Tollway Roadway Reconstruction, East West Connector, Chicago, Illinois. *Illinois State Toll Highway Authority.* QA/QC ENGINEER. Served as reviewer of final design plans for conformance with design criteria and Tollway standards. Also checked quantity calculations for accuracy to ensure the integrity of the engineer's estimate. Michael Baker provided Phase II engineering services to develop contract plans and specifications. For proposed roadway improvements of the Tri-State Tollway (I-294) between the East-West Connector (M.P. 29.1) and Roosevelt Road (M.P. 30.5). Michael Baker is the lead roadway subconsultant with responsibilities that include typical sections, proposed roadway plans, superelevation diagrams, details, cross sections, earthwork calculations, specifications, estimates, and close coordination with other disciplines. In addition, Michael Baker provided the project's Phase II environment site assessment report.

I-90 Reconstruction Preliminary Design, Erie County, Pennsylvania. *Pennsylvania Department of Transportation, District 1-0.* QA/QC ENGINEER. Served as senior engineer providing QA/QC reviews for highway roadside barrier warrants and quantity calculations. Michael Baker provided preliminary design services for 7 miles of I-90 reconstruction, including three overpass bridge reconstruction investigations, the S.R. 18 and S.R. 215 interchanges, and the McKee Road overpass bridge structure. Michael Baker's services included alternatives analysis for the three overpass structures, including line and grade; design field view; structure type, size, and location studies; geotechnical investigations; environmental evaluations; right-of-way investigations; public involvement; supplemental surveys; maintenance and protection of traffic plans; utility investigations; wetland delineation; and permitting.

I-94 Design-Build Project, Maple Grove to Rogers, Minnesota. *Minnesota DOT.* TASK MANAGER. Served as senior engineer in charge of geometric design for all ramps on this large interstate rehabilitation project. Managed and reviewed work of design engineers supporting this effort. As lead designer, Michael Baker is providing design and engineering services for the I-94 Maple Grove to Rogers design-build project. The project includes the design of an unbonded concrete overlay of I-94 from the I-494 / I-694 / I-94 interchange to TH 101, totaling approximately 9.5 miles, and adding a new lane in each direction from TH 610 to TH 101 for about 4.5 miles. Michael Baker is also providing a new traffic management system, innovative maintenance of traffic plan, new traffic signing and lighting, and stormwater and rest-area improvements.

***I-80 from Grundy County Line to U.S. 30, Will County, Illinois.** *IDOT.* DESIGN ENGINEER. Engineer responsible for the design of I-80 from the Des Plaines River to Briggs Street. Matt designed the maintenance of traffic, removals, and alignment and ties, and is completing the Environmental Survey Request. Also responsible for plan preparation, quantity takeoffs, and interdisciplinary and joint venture coordination. The overall project includes Phase I environmental/ Phase II design services on 15 miles of I-80 in Will County, IL. The project team investigated ways to rehabilitate roads and bridges in the interim, while considering long range improvements to ultimately reconstruct and widen the interstate.

***I-55 Managed Lane Project P3, Cook and DuPage Counties, Illinois.** *IDOT.* LEAD ENGINEER. Wrote roadway, pavement, and railroad coordination technical provisions for Illinois DOT's expected P3 procurement for the addition of managed toll lanes to Interstate 55 in Chicago. Coordinated with various disciplines to ensure consistency across technical provisions. Organized and documented Reference Information Documents, a library of materials to be provided to proposers as

Michael Baker
INTERNATIONAL

Years of Experience
10

Education
B.S.C.E., Civil Engineering (Transportation Systems), University of Illinois at Urbana-Champaign

Licenses/Certifications
Professional Engineer - Illinois, 062.068687

CSX Roadway Worker Protection Certification, 5385634

NS Roadway Worker Protection Certification, 5384453

Professional Affiliations
American Council of Engineering Companies of Illinois (ACEC/Illinois)

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

American Society of Civil Engineers (ASCE)

Transportation and Development Institute

RAILROAD ADVISOR

Matt Kirby, PE, MLE, MASCE

background on the project. *The $700 million project improves Interstate 55 from Interstate 355 to Interstate 90/94 to add at least one lane in each direction within the existing median.* A P3 CONTRACTING MODEL IS EXPECTED TO SAVE THE STATE MILLIONS OF DOLLARS IN CONSTRUCTION COSTS.

***Interstate 26 Reconstruction, Henderson County, North Carolina.** *North Carolina DOT.* PROJECT ENGINEER. Roadway Project Engineer and Engineer of Record for a section of North Carolina DOT's reconstruction and widening of I-26. Coordinated efforts of multiple offices and disciplines. Supervised and led roadway design team for a section of the project. The overall project includes widening and reconstruction of 18 miles of roadway on I-26, a heavily used corridor not only for Western North Carolina and for tourists, truckers, and others traveling between the Carolinas and Tennessee, Ohio, and the Midwest. The $534 million project adds one or two lanes in each direction for the entire length of the corridor, thirteen new bridges, and a new closed drainage system, in addition to rest area reconstruction.

***I-190 Collector-Distributor Roadway Phase II: Cumberland Flyover, Chicago, Illinois.** *IDOT.* DESIGN ENGINEER/CONSTRUCTION PHASE PROJECT ENGINEER. Responsible for responding to RFIs and coordinating construction revisions. During the design phase, served as an engineer responsible for performing horizontal and vertical geometrics, pavement marking, barrier warrant analysis and design deviation justifications. Also responsible for preparing plans and quantity takeoffs, and interdisciplinary and subconsultant coordination. The Cumberland Flyover includes improvements to I-190, I-90 and East River Road in the City of Chicago, including improvements to provide a new exit ramp system from I-90 to southbound Cumberland Avenue, with a new bridge over the CTA Blue Line and eastbound I-190. The project also includes the reconstruction of eastbound I-190 from the Des Plaines River to the merge with I-90, the reconstruction of East River Road Bridge over I-90, work on the CTA Blue Line, and resurfacing of eastbound I-90 from the IDOT/Tollway jurisdictional limit to just west of Cumberland Avenue. Drainage systems, lighting systems, ITS equipment and signing were also replaced with the project.

***I-55 Managed Lane Project P3, Cook and DuPage Counties, Illinois.** *IDOT.* LEAD ENGINEER. Wrote roadway, pavement, and railroad coordination technical provisions for Illinois DOT's expected P3 procurement for the addition of managed toll lanes to Interstate 55 in Chicago. Coordinated with various disciplines to ensure consistency across technical provisions. Organized and documented Reference Information Documents, a library of materials to be provided to proposers as background on the project. The $700 million project improves Interstate 55 from Interstate 355 to Interstate 90/94 to add at least one lane in each direction within the existing median. A P3 contracting model is expected to save the state millions of dollars in construction costs.

***I-75 Modernization: Design Build Pre-Award, Oakland County, Michigan.** *Michigan DOT.* PROJECT ENGINEER. Led roadway design team for pre-award work, coordinating with various disciplines and supervising preliminary roadway engineering team. Worked with 75-person project team to develop base design plans and alternative technical concepts with potential cost savings of nearly $50 million. The project modernizes 5.5 miles of I-75 in the Detroit suburbs at a construction cost of $630 million. Work includes the addition of an HOV/general purpose lane, reconstruction of the existing freeway lanes, replacement of 28 structures (including six pedestrian structures), constructing drainage improvements including a drainage tunnel, ITS upgrades, and incorporating community developed aesthetic improvements among other work.

***I-94 Design-Build Project, Maple Grove to Rogers, Minnesota.** *Minnesota DOT.* TASK MANAGER. Served as senior engineer in charge of geometric design for all ramps on this large interstate rehabilitation project. Managed and reviewed work of design engineers supporting this effort. As lead designer, Michael Baker is providing design and engineering services for the I-94 Maple Grove to Rogers design-build project. The project includes the design of an unbonded concrete overlay of I-94 for approximately 9.5 miles, and the addition of a new lane in each direction for approximately 4.5 miles. Michael Baker is also designing a traffic management system, an innovative maintenance of traffic plan, new signing and lighting, and drainage and rest area improvements.

Denotes projects completed prior to joining Michael Baker

STRUCTURAL ADVISOR

Mary Lou Kutska, PE, SE



Mary Lou is a structural engineer with experience in structural analysis and design for clients locally and nationally. She has served as a Project Engineer on several projects for state DOTs. She has led the development of plans, specifications, and estimates on projects, including the Montrose Superstructure Replacement and I-190 Cumberland Flyover for IDOT District 1. She has served as a structural peer reviewer and technical advisor for various bridges, including concrete slab, steel composite, segmental, precast concrete, deck replacement, and major river crossings.

RELEVANT EXPERIENCE

***FAI 94 at Montrose Avenue.** *IDOT, District 1.* STRUCTURAL TASK LEAD. Responsible for writing technical memorandums to determine appropriate staging and assess alternative methods of construction, preparing final plans, developing complex proposed girder erection staging, coordinating with railroad stakeholders on track outages, reviewing contractor submittals and RFIs, and writing unique project-specific special provisions for demolition and construction for the $16M superstructure replacement of the Montrose Avenue bridge over FAI 90/94 and the CTA Blue Line. The existing bridge is a three span post-tensioned cast in place tee beam structure with spans of 157'-154'-155' at a 49-degree skew and the proposed superstructure is to be a continuous metallized steel plate girder. Complex site constraints over the Montrose CTA Blue Line Station with CTA entrances abutting the bridge deck had to be considered for vertical profile tie-in and sidewalk cross slope ADA compliance. Additionally, it was necessary to integrate construction special provisions for maintenance of traffic on FAI 90/94 and the Reversible lanes during demolition and construction. The existing substructure was repaired, and pier caps were added to existing individual pier columns to elongate the lifespan of the substructure.

***Edens Spur (I-94) Reconstruction Phase II, Plaza 24 to Edens Expressway, Northbrook, Illinois.** *Illinois Tollway.* STRUCTURAL TASK LEAD. Assisted in the final design engineering services to reconstruct the Edens Spur corridor, connecting the Tristate Tollway (I-294) to the Edens Expressway (I-94). Proposed structural improvements for this $110M project consisted of replacing 12 bridges and rehabilitating one structure. The Tollway required that the engineering be completed on an expedited schedule and the construction be done under two separate contracts. Therefore, two sets of plans, specifications, and final cost estimates were prepared for the project. The design utilized fully integrated 3D CADD plans to deliver long-term improvement to the corridor.

IL Route 43 (Harlem Avenue) from 63rd Street to 65th Street Phase I Study (CREATE Project GS1), Cook County, Illinois. *IDOT.* STRUCTURAL ENGINEER. Michael Baker is conducting a comprehensive engineering and environmental study for improvements to Harlem Avenue (IL 43) between 63rd and 65th Streets, including an investigation of grade-separating the Belt Railway of Chicago at two existing at-grade crossings. Michael Baker's services include data collection and analysis; geographic information system (GIS), environmental investigations; extensive public and stakeholder involvement; the development of context-sensitive solutions; traffic impact studies; roadway, railroad, and bridge condition investigations; drainage studies; right-of-way analyses; roadway and rail geometric analyses; lighting assessment; alternatives analysis; railroad coordination; and project management.

Cedar Street Extension Phases I and II Engineering Services, East Peoria, Illinois. *IDOT, District 4.* STRUCTURAL ENGINEER. Michael Baker is providing comprehensive Phase I and II engineering services for improvements to the Cedar Street Extension over the Tazewell & Peoria Railroad (TZPR) and Illinois Route 29 in East Peoria, Illinois. Project limits extend from Center Street to the west, Illinois Route 29 interchange to the east, Ravine Street to the south, and East Washington Street to the north. Michael Baker recently completed Phase I engineering services for improvements to the Cedar Street Extension over the TZPR and IL Route 29 in East Peoria, IL, and is actively working on the Phase II final design.

***I-90 Phase II.** *IDOT, District 1.* STRUCTURAL ENGINEER. Responsible for design, plan drawings, and CDOT OUC coordination for solider pile walls along the I-90 corridor from Cumberland to Harlem Avenue. Phase I Engineering and an Environmental Study were provided for improvements to I-90 and Phase II services were subsequently performed. The Phase I study included an analysis of existing expressway deficiencies and development of the proposed add-lane improvement. This $50M project is a continuation of the Phase I design, and encompasses roadway widening to provide an additional travel lane to the outside in both directions on the existing alignment, ramp reconstruction, drainage improvements, retaining wall and noise wall construction, mainline resurfacing, and reconfiguration of the Cumberland Interchange to barrier separate traffic between westbound I-90 and I-190.

Michael Baker
INTERNATIONAL

Total Years of Experience
11

Education
M.S.C.E., Structures, University of California, Berkeley

B.S.C.E., University of Illinois at Urbana-Champaign

Licenses/Certifications
Professional Engineer, Illinois, 062067732

Structural Engineer, Illinois, 081008008

Professional Affiliations
Structural Engineering Association of Illinois (SEAOI)

Women's Transportation Seminar (WTS)

STRUCTURAL ADVISOR

Mary Lou Kutska, PE, SE

***I-190 Cumberland Flyover, Chicago, Illinois.** *IDOT, District 1.* STRUCTURAL ENGINEER. Responsible for design and plan development of the design plans for the curved steel superstructure of the Cumberland Flyover. The project includes final design engineering services for the plans, specifications, and estimates of the I-190 Collector-Distribution Roadway System and the Cumberland Flyover. The Cumberland Flyover contract includes improvements to I-190 and I-90 with requirements that the design comply with both Illinois Tollway and IDOT design criteria. The project involves the construction of a new four span curved steel girder bridge with span arrangement 200'-245'-225'-175' to provide a new exit ramp system from I-90 to southbound Cumberland Avenue spanning over the CTA Blue Line and eastbound I-190. Design responsibilities included performing refined 3D finite element analysis and design for the curved steel girders, calculation checking, deck detailing, plan development, and construction support. Presented this project to IDOT District One and co-authored a white paper for the International Bridge Conference.

***I-75 over the Rouge River Deck Replacement, Detroit, Michigan.** *Michigan Department of Transportation.* PROJECT ENGINEER. Responsible for deck replacement design drawings, inter-office work coordination, and review of construction submittals for the 220-span I-75 Rouge River viaduct in Detroit Michigan. The I-75 Rouge River viaduct consists of steel girder framing in southbound and northbound directions. The framing was to be repaired and retained by others. Oversaw calculating screed elevations for the proposed slab, coordinating the effort from multiple offices. Screed elevations included a new crown geometry to change the cross slope from parabolic to linear as well as Michigan-specific curb superelevation conformance. Screed elevations were determined by combining manually calculated and LUSAS analytical deflection data, camber, and bounce-back with plan and survey data. The bridge global behavior was very complex, involving many significant skews and integral steel framing.

***Washington Street Post-Tensioned Haunched Slab Bridge, Naperville, Illinois.** *City of Naperville.* STRUCTURAL TASK LEAD. Responsible for final plan preparation, post-tensioning design criteria and design, owner coordination for alternative construction options, stakeholder coordination for utility re-locations, subcontractor coordination for aesthetics, suggested construction staging, and special provisions for the bridge replacement of Washington Street over the DuPage River. The existing bridge is a three span box beam structure with a 28-degree skew. The proposed superstructure will be a post-tensioned haunched slab with 59'-3" and 59'-3" spans founded on tall wall drilled shaft abutments and containing many unique decorative elements.

***I-69 Section 6, Martinsville, Indiana.** *Indiana Department of Transportation.* STRUCTURAL ENGINEER. Responsible for Stage 1 Abbreviated Engineers Report, preliminary design, and alternative cost comparison for two bridge structures on this $150 million project to upgrade an existing four-lane divided highway to a new, limited-access interstate through the urbanized City of Martinsville. Project scope of work included designing four new interchanges, seven miles of new interstate, multiple new service roads, 13 bridges, noise walls, signing, lighting, signals, aesthetics, survey, ITS, and hydraulics as well as providing permitting, utility relocation coordination, and public involvement.

****Denotes projects completed prior to joining Michael Baker***

BRIDGE CONDITION INSPECTOR

Dennis F. Morgan, PE, SE, SPRAT I



Dennis is experienced in complex bridge design, major river bridge inspection, and bridge load ratings. He has experience in the design of structural steel, prestressed concrete, steel arch bridges, and reinforced concrete. Dennis has performed dozens of complex bridge designs and major river bridge inspections throughout the Midwest

RELEVANT EXPERIENCE

Cedar Street Extension Phases I and II Engineering Services, East Peoria, Illinois. *Illinois Department of Transportation.* SENIOR STRUCTURAL ENGINEER. Responsible for the field inspection and onsite coordination of traffic control, equipment and railroad coordination to determine the scope of repairs required. Develop the Bridge Condition Report and prepared alternates based on life cycle cost for the structure rehabilitation or replacement. Coordinated with the DOT on recommended structure replacement alternate. Michael Baker is providing comprehensive Phase I and II engineering services for improvements to the Cedar Street Extension over the Tazewell & Peoria Railroad (TZPR) and Illinois Route 29 in East Peoria, Illinois. Project limits extend from Center Street to the west, Illinois Route 29 interchange to the east, Ravine Street to the south, and East Washington Street to the north. Michael Baker recently completed Phase I engineering services for improvements to the Cedar Street Extension over the TZPR and IL Route 29 in East Peoria, IL, and is actively working on the Phase II final design.

Conrail Railroad Bridges over I-94 Project, Detroit, Wayne County, Michigan. *Michigan Department of Transportation.* STRUCTURAL ENGINEER. Responsible for coordinating traffic control, obtaining access equipment, leading and performing inspections and assisting with bridge load ratings. Michael Baker provided design and engineering services for the replacement of two Conrail bridges over I-94 as part of a larger project on the corridor to improve mobility and enhance the economic viability of Detroit. This project presented significant challenges. The bridges had to fit the footprint of the existing freeway geometry and the future condition of a modernized freeway while satisfying Conrail's design standards. Additionally, daily traffic on the rail line and the freeway had to be maintained during construction and right-of-way had to occur within historical properties. For the project, Michael Baker provided design of the bridges, alternatives analysis, railroad coordination, right-of-way acquisition, and maintenance of traffic.

IL Route 43 (Harlem Avenue) from 63rd Street to 65th Street Phase I Study (CREATE Project GS1), Cook County, Illinois. *Illinois Department of Transportation.* STRUCTURAL ENGINEER. Responsible for developing bridge alternatives and programing cost estimates for the phase I study. Michael Baker is conducting a comprehensive engineering and environmental study for improvements to Harlem Avenue (IL 43) between 63rd Street and 65th Street, including an investigation of grade-separating the Belt Railway of Chicago at two existing at-grade crossings. This project is the Chicago Region Environmental and Transportation Efficiency (CREATE) Program Project GS1. Michael Baker's services include data collection and analysis; geographic information system (GIS), topographic, and utility mapping; environmental investigations; extensive public and stakeholder involvement (http://www.il43study.org/the-study/); the development of context-sensitive solutions; traffic impact studies; roadway, railroad, and bridge condition investigations; drainage studies; right-of-way analyses; roadway and rail geometric analyses; lighting assessment; purpose and need statement development; alternatives analysis; financial analysis; railroad coordination; and project management.

Rehabilitation of the Cuyahoga Viaduct, Cleveland, Ohio. *Greater Cleveland Regional Transit Authority.* TEAM LEADER. Assisted in the inspection of the single span truss. Michael Baker is performing in-depth, fracture-critical bridge inspections for the Greater Cleveland Regional Transit Authority's (GCRTA) Cuyahoga Viaduct Bridge. It will inspect spans 1 through 5 and span 31 and develop rehabilitation plans to address deficiencies in the deck, drainage design, painting, and structural steel. These designs aim to limit the need for major rehabilitation for the next 15-20 years, with the intent of the GCRTA to eventually fund more substantial rehabilitation projects involving full blast and deck replacement.

Michael Baker
INTERNATIONAL

Total Years of Experience
21

Education
B.C.E., University of Illinois at Chicago

Licenses/Certifications
Professional Engineer, Illinois, 062059183

Structural Engineer, Illinois, 081006506

IDOT Bridge Safety Inspection, Illinois, 2011, 00614

Society of Professional Rope Access Technician I (SPRAT), 2101564

Mobile Elevated Work Platform (MEWP) Operator & Occupant, 11471

BRIDGE CONDITION INSPECTOR

Dennis F. Morgan, PE, SE, SPRAT I

Route 52 Causeway Replacement Project, Ocean City and Somers Point, New Jersey. *New Jersey Department of Transportation (NJDOT).* ENGINEER. Responsible for the final design of a 2.2-mile twin structure concrete segmental causeway erected using span-by-span construction. Michael Baker provided comprehensive engineering services for the replacement of the Route 52 Causeway and the reconstruction of approximately 2.8 miles of Route 52 from Route 9 in Somers Point to Bay Avenue in Ocean City crossing Great Egg Harbor Bay. Michael Baker's services included bridge and roadway design, environmental permitting, lighting design, traffic and intelligent transportation system design, utility relocation, community outreach, and construction management and inspection.

Tri-State Tollway Roadway Reconstruction and Bridge Rehabilitation I-17-4302, Cook County, Illinois. *Illinois State Toll Highway Authority.* STRUCTURAL ENGINEER. Responsible for plans and design of the retaining walls and moment slabs required for the widening. New wall types included concrete cantilever, solider pile, and MSE and the strengthening of an existing MSE wall for the increased TL-5 barrier impact loads. Was also responsible for the inspection of the existing bridge to determine the repairs necessary for the bridge rehabilitation portion of the project. As part of a joint venture, Michael Baker prepared contract plans, special provisions, cost estimates, and project-related permits for widening and rehabilitating the Tri-State Tollway (I-294) from just west of Wolf Road to the O'Hare Oasis. The project provided an additional lane for both directions of the I-294 mainline pavement along the entire design section. The scope also included reconstruction of the O'Hare Oasis ramps; repairs to the Bensenville Yard bridges and several culverts, retaining walls, and noise walls; three gantry structure foundations and dynamic message signs (DMS) foundations; and sign structure foundations for overhead truss, cantilever, and ground-mounted signs.

S.R. *0019, Section A21 West End Improvement Project – Advanced Contract Norfolk Southern Railroad Bridge Design, Allegheny County, Pittsburgh, Pennsylvania.* PENNSYLVANIA DEPARTMENT OF TRANSPORTATION, DISTRICT 11-0. Engineer. Responsible for the final design of a 220' long concrete retaining wall structure with a height ranging from 13' to 28'. Also responsible for the final design plan preparation for the retaining wall and inclined prestressed tiebacks. Michael Baker prepared environmental documentation and performed design and construction phase services for a new overpass railroad bridge that provides for the direct linkage of S.R. 0019–S.R. 0051 in Pittsburgh's West End with the West End Bridge and expedites vehicular travel to and from the city's downtown section and points east. The bridge is the keystone of the West End Improvement Project and integral to achieving the goals of relieving traffic congestion, accommodating forecasted travel demand, and enhancing safety in the S.R. 0019 corridor.

87th to 95th Street (Halsted Street), Chicago, Illinois. *Chicago Department of Transportation.* ENGINEER. Responsible for the preparation of roadway plans, specifications, and cost estimates. Michael Baker was responsible for the preparation of contract documents for the removal of existing curbed grassed medians and the subsequent replacement with median planters, including decorative curbs, planter infrastructure, an irrigation system, and landscaping elements for a one-mile section of South Halsted Street from 87th Street to 95th Street.

Reconstruction of 69th Street Arterial Streets, California Avenue to South Chicago Avenue, Chicago, Illinois. *Chicago Department of Transportation.* CIVIL ASSOCIATE. Responsible for the preparation of roadway plans, specifications, and cost estimates. Michael Baker provided Phase I and II engineering services including roadway and drainage design, traffic signal design, subsurface utility investigations, cost estimates, and plans and specifications.

Madison Street Bridge (over Des Plaines River), Cook County, Illinois. *Illinois Department of Transportation, District 1.* ENGINEER. Responsible for the removal and replacement of the four-lane bridge over the Des Plaines River. Also responsible for the preparation of roadway plans, profiles, and quantity estimates. Michael Baker was responsible for the preparation of plans, specifications, and estimates for the removal and replacement of the Madison Street Bridge over the Des Plaines River in Cook County, Illinois.

Ashland Avenue To Western (West Kinzie Street), Chicago, Illinois. *Chicago Department of Transportation.* ENGINEER. Responsible for the preparation of roadway plans, specifications, and cost estimates. Michael Baker prepared street cross-sections and profiles for removal and replacement of approximately one (1) mile of non-standard industrial street in the City of Chicago.

Task 0014, Geotechnical Investigation and 35% Design of the Afghanistan/Tajikistan Bridge, Afghanistan and Tajikistan, Afghanistan. *U.S.* ARMY CORPS OF ENGINEERS, MIDDLE EAST DISTRICT. Structural Engineer. Responsible for 30 percent submission of 12-span, 2,200' plate girder bridge. Also, responsible for superstructure design and 30 percent contract plans. Michael Baker provided a Geotechnical Investigation, 35% Bridge Design, and Cost Estimating services for the 12-span Afghanistan/Tajikistan Bridge over the Pyandzh River and associated approach roadways.

Lake Street/Swift Road Intersection Improvements, Addison, Illinois. *Illinois Department of Transportation.* ENGINEER. Responsible for the preparation of roadway plans, specifications, and cost estimates. Michael Baker provided Phase I preliminary engineering services for the intersection improvement of Lake Street (U.S. Route 20) and Swift Road in DuPage County in the Village of Addison. The project was processed as a Group II Categorical Exclusion.

Design/Construction Phase Services to Improve Bus Turnarounds, Chicago, Illinois. *Chicago Transit Authority.* ENGINEER. Responsible for the preparation of roadway plans, specifications, and cost estimates. Michael Baker provided design services for the CTA on improvements to four bus turn-around locations.

PMCS

Kerry Nutter

Program Controls Manager
Quality Manager



KEY QUALIFICATIONS

- **Seasoned quality and project controls manager focused on the program management of large publicly funded infrastructure improvement programs**
- **Knowledgeable and experienced in developing cost and schedule management tools, reporting systems and quality programs compliant with FTA, FRA, FHWA and state requirements**
- **Extensive experience managing project controls and quality systems of several multi-billion dollar transportation programs**

EXPERIENCE

Cook County Department of Transportation and Highways, Construction Management Various Various Master Contract
Project Controls and Program Management Specialist

Assist the department as they modernize and update construction management practices to adjust for increased and changing needs of the department. Working directly with agency staff to create processes, forms, and schedules.

Metra New Starts Program
Program / Quality Management

Developed the Program Management Plan and Quality Management Plan necessary to secure federal funding, working with Metra Senior Engineering staff. As Quality Manager Kerry worked closely with the Metra quality group to develop the Program Management and Quality Management Plans for the New Starts Program.

Illinois Tollway, Mile Long Bridge Reconstruction, Central Tri-State (I-294)
Construction Management Team Quality Representative

Responsible for the overall construction management quality oversight of the ongoing $455 million reconstruction of the I-294 Mile Long Bridge as part of the $4 billion Central Tri-State Reconstruction program. As Quality Representative, responsible for reviewing the CM quality plan and suggesting modifications that would lead to a more comprehensive and efficient document. Performed periodic quality audits of the construction management team throughout the life-cycle of two separate bridge construction contracts and one demolition contract to ensure the team is operating in accordance with the established plan and the Tollway's ISO Certification.

Illinois Tollway, Central Tri-State (I-294)
Design Corridor Manager (DCM)
Construction Corridor Manager (CCM)

Project Controls Manager, responsible for managing the $4 billion Central Tri-State Corridor expansion program budget and schedule. Develop and implement the corridor CPM master schedule, budget, actual costs, and cashflow tracking reports, corridor risk register, and corridor progress reports. Develop the processes and procedures to obtain consistent information from more than 20 corridor design teams, coordinate with the Tollway Deputy Chief Engineer on reports to the Tollway Chief Engineering Officer and Board of Directors and Chief Finance Officer.

Illinois Tollway, General Engineering Consultant
Quality / ISO Certification Manager

Assist in the development and implementation of the Quality Management System including the Quality Manual, Quality Policy, and related Quality Program Procedures, resulting in the Tollway's Engineering Department receiving and maintaining ISO certification. The QMS, as certified by ISO, has been found to achieve customer satisfaction, efficient and effective operations of all Engineering Department processes, and high level of confidence with other Tollway Departments.

PMCS

Kerry Nutter

PROGRAM CONTROLS MANAGER
QUALITY MANAGER

EDUCATION

M.B.A. (with honors), Simmons College, Boston, Massachusetts - 1993

B.S., Construction Management, Colorado State University, Ft. Collins, Colorado - 1985

SEC/NYSE Registered Representative (broker), passed SEC Series 7 and Series 63 Licensing Exams - 1996

EXPERIENCE

Illinois Tollway, Program Management Organization
Program Management Specialist

As a key member in the agency's Program Management Organization, PMO, assist in integrating standard Tollway processes and procedures into an electronic, web-based management system (Proliance and e-Builder). Assisted in developing Project Controls processes. Developed and delivered training presentations and assists in the resolution of claims and audit of the consultants and contractors working on the Tollway's programs.

IDOT, Passenger Rail Expansion Program Chicago Union Station to Dubuque
Program Management

Assist in the development of the Program Management Plan, Quality Management Plan, the detailed program schedule, cost control processes and document management system necessary to advance the program through completion. The initial phase includes the development of the document control system in SharePoint for use by all program stakeholders and the development of the detailed program master schedule.

IDOT, Amtrak Passenger Expansion Program Chicago Union Station to Quad Cities
Program Management

Assist in the development of the Program Management Plan, Quality Management Plan, the detailed program schedule, cost control processes and document management system necessary to secure and maintain Federal Transit Administration (FTA) funding and advance the program through completion slated for December 2015. This entails extensive coordination with Illinois Department of Transportation, Federal Railroad Administration, Burlington Northern Santa Fe Railroad, Iowa Interstate Railroad, and many other stakeholders. Develop the FRA reports necessary for reporting program project and requesting reimbursements of costs on behalf of IDOT.

URS Corporation, Chicago, Illinois
Wisconsin DOT, Marquette Interchange Project
Project Controls Manager

Responsible for implementing the Program Cost Control component of the quality management system for the $810 million project rebuilding the IH94/WH43 interchange.

Chicago Aviation Department, O'Hare and Midway Airports
Program Controls Manager / CFO

Responsible for Program Controls and Financial Management of a Construction Management joint venture including preparation of construction management controls, financial statements and taxes, monitoring profitability, resource utilization and M/WBE goals, overseeing all project schedules and cost reporting, producing invoices and project progress reports.

Bechtel Corporation
Various Projects
Project Controls, Field Engineer, Financial Analyst, Executive Assistant

Held various program controls and management positions of increasing responsibility with Bechtel Corporation on multi-billion dollar programs including Chief of Staff to the President of Bechtel Civil, and to the Project Directors on the Boston Big Dig, Project Engineer, Financial Advisor, Senior Scheduler, Cost and Field Engineer.

DONALD DEMKOVICH, PLS

Senior Land Survey Manager

Ardmore Roderick



Donald is highly experienced providing a variety of surveying services, including the preparation of plats and legal descriptions, pre-design topography, and various layouts. He is a specialist in boundary analysis, plat preparation, AutoCAD and MicroStation.

PROFESSIONAL WORK EXPERIENCE:

As Senior Land Survey Manager, Donald is responsible for providing oversight of staff and performing various surveying work, including the preparation of plats and legal descriptions, pre-design topography, and various layouts. He is a specialist in boundary analysis, plat preparation, AutoCAD and MicroStation. Donald has managed field crews and provided overall QA/QC for as-built surveys, performed location checks on bridge piers and foundations, survey grades for excavated and final surfaces, plotted cross sections and calculated earthwork volumes. He is experienced in land acquisition and organization of field survey data, record plats and title documents. Donald has provided survey management to the Illinois Department of Transportation, Illinois State Toll Highway Authority, Metropolitan Water Reclamation District of Greater Chicago, and higher education institutions. He manages pre-design rail survey projects for the Chicago Transit Authority (CTA) and Metra Rail which include street, platform, rail topography, and right-of-way boundary determination.

Cook County Department of Transportation and Highways 1528-14472 A W/O 8: Sauk Trail and 223rd Street from Cottage Grove Avenue to east of Burnham Avenue in Sauk Village, IL

SURVEY | Cook County, IL | 07/2020 – 11/2020

Survey included complete topographic survey, right of-way verification and ADA intersection survey for approximately four miles of proposed recreational trail route.

Cook County Department of Transportation and Highways 1528-14472 A W/O 7: Central Avenue Bridge from The Stevenson Expressway to Pershing Road

SURVEY | Cook County, IL | 04/2020 – 06/2020

Survey control network established for the bridge deck and for ground areas underneath the structure. Existing surface conditions and construction joints were surveyed for the bridge deck. Measurements were obtained for beam seat, piers, and bottom of beam on the 32 spans of the underside of the structure.

Cook County Department of Transportation and Highways 16-W4312-00-EG: Pulaski Road/ Crawford Avenue from 127th Street to 159th Street in Alsip, Crestwood, Robbins, Midlothian, Markham, IL

SURVEY | Cook County, IL | 02/2020 – 09/2020

Topographic survey and right-of-way verification for over four miles of urban roadway and crossing side streets. The project included survey of 37 ADA intersections, multiple bridge structures, and five streams.

EDUCATION

BACHELOR OF SCIENCE, CONSTRUCTION TECHNOLOGY
Purdue University Calumet
Hammond, IN, 1989

ASSOCIATE OF APPLIED OF SCIENCE, CIVIL ENGINEERING TECHNOLOGY
Purdue University Calumet
Hammond, IN, 1987

LICENSES

Professional Land Surveyor (PLS)
Illinois: 035.003470, 2001
Indiana: LS20100043, 2001
Iowa: P26716, 2021
Wisconsin: 3250-8, 2022

Professional Surveyor and Mapper (PSM)
Florida: LS7314, 2021

PROGRAM SKILLS

AutoCAD
Autodesk Civil
3D MicroStation
GEOPAK
MicroSurvey

AFFILIATIONS

Indiana Society of Professional Land Surveyors
National Society of Professional Land Surveyors

DONALD DEMKOVICH, PLS
Senior Land Survey Manager

Cook County Department of Transportation and Highways 1528-14472 A W/O 6: Butler Drive from 130th Street to Doty Avenue in Chicago, IL
SURVEY | Cook County, IL | 01/2020 – 04/2020
Topographic survey of over 1.5 miles of roadway, utilities, rail lines, drainage, and docks inside the extremely busy, industrialized, multimodal Illinois International Port.

Cook County Department of Transportation and Highways 1528-14472 C: Division Street from 119th Street to 123rd Street in Blue Island, IL
SURVEY | Cook County, IL | 11/2019 – 01/2020
Topographic survey of existing conditions for approximately 1.6 miles of Division Street including pavement surfaces, utilities, and adjacent earth grading features.

Cook County Department of Transportation and Highways 16-13433-00-RP: 134th Street, Halsted Street to Marsden Drive
SURVEY | Cook County, IL | 10/2017 – 11/2017
Phase 1 pre-design topographic survey. Complete survey of pavement, shoulders, utilities, and grades. Survey control, design alignments, and stationing.

Chicago Department of Transportation (CDOT) 52685: C*NECT Citywide Program
SURVEY | Chicago, IL | 02/2018 - Present
Pre-design topographic survey for over 100 different intersections at various locations within Chicago, Illinois, including: Michigan and Erie; Diversey, Kimball and Milwaukee; Sheridan, Broadway and Devon; Diversey from Harding to Avers; Addison and Avondale; and others. The majority of the surveys were performed in areas of high pedestrian and vehicle traffic. The survey information was used for the engineering design of Americans with Disabilities Act (ADA) compliant sidewalks and street crosswalks. This project required the complete survey of pavement, shoulders, utilities, and grades through high-traffic roadway.

Chicago Department of Transportation 32250/114941: Commercial Avenue Corridor Improvement Survey
SURVEY | Chicago, IL | 04/2021 – 10/2021
Topographic survey of over three miles of mainline urban roadway plus additional mileage of cross streets and alleys. The project included survey of all pavements, bridges, utilities, signage, rail crossings, adjacent buildings, and right-of-way verification.

Illinois State Toll Highway Authority I-17-403I: Tri-State Tollway I-294
SURVEY | Cook County, IL | 05/2018 – 08/2018
Verified existing location control for route survey. Performed pre-design topographic survey on the adjacent Eisenhower Expressway, I-290 with night lane closures.

Illinois State Toll Highway Authority I-13-5676, I-14-4206: Jane Addams Tollway I-90, Arlington Heights Road to East of Oakton Avenue, Higgins Road to Roselle Road
SURVEY | Cook County, IL | 01/2014 – 06/2017
Phase III Control QA/QC and Cross-Section Survey for retaining wall construction, bridge widening and roadway widening.

RFQ: 2238-06220

FORM C-CURRENT AND FUTURE COMMITMENTS OF KEY PERSONNEL

NAME OF RESPONDENT: **Michael Baker International, Inc.**

Respondent will provide all information noted below:

Respondent should provide the time commitment of each key personnel

NAME OF KEY PERSONNEL	POSITION /TITLE	NAME OF PROJECT	LOCATION OF PROJECT	% OF TIME COMMITTED TO EACH PROJECT	END DATE OF COMMITMENT
Scott Rodseth, PE	Project Manager	Various Michael Baker Project Management Duties	Various Locations	20%	12/31/22
Naveen Parakalla, PE	Resident Engineer	Illinois Tollway - RR-20-4342R	Various Locations on I-88	100%	12/31/22
Thomas Gibbs, PE	Assistant Resident Engineer	CM Services for Various/ Various Pavement Preservation and Rehabilitation	Cook County, IL	100%	11/30/22
Paul Wilk, PE	Documentation Engineer/Technician	Central Avenue Emergency Bridge Repairs	Central Avenue Bridge over the S&S Canal (north of I-55)	100%	10/31/22
Joseph Jacobsen, PE	Construction Inspector	Norfolk Southern Burns Harbor Bridge	Burns Harbor, Indiana	100%	3/31/2023
Salif Alomari	Construction Inspector	Illinois Tollway, Central Tri-State Reconstruction, Hinsdale Oasis to Cermak Road	Cook County, IL	100%	12/31/2022
Mohammed Mazheruddin, PE	Construction Inspector	Lincoln/Ashland/Belmont St. Intersection - CM	Chicago, IL	100%	04/30/23
Brian Parks	Construction Inspector	CM Services for Various/ Various Pavement Preservation and Rehabilitation	Cook County, IL	100%	11/30/2022
Fazalullah Khan	Construction Inspector	CDOT Jackson Park Mobility Improvement Project	Chicago, IL	100%	12/31/2022
David Silva, PE	Construction Inspector	Illinois Tollway - RR-20-4324R	Various Locations on I-88	100%	12/31/2022
Frederick Granville	Materials Engineer/Inspector	QC/QA Construction Inspection Engineering Services	Various Locations throughout the City of Chicago	10%	12/01/24
Jayesh Patel	Materials Engineer/Inspetor	Construction Engineering Services, Chicago Department of Transportation	Various Locations throughout the City of Chicago	10%	12/1/2024

Copy this form to add additional pages as necessary

DATE: 9/14/2022

TOTAL PAGES: 1

Exhibit 4

Schedule of Compensation

The following overhead rates will be permanent for the contract base years.

Michael Baker International, Inc. – 121.41%
APS Consulting, Inc. – 95.50%
Material Service Testing, Inc.– 151.60%
Program Management & Control Services, LLC (PMCS) – 80.96%
The Roderick Group, Inc. dba Ardmore Roderick – 103.11%
Bowman Consulting Group – 152.88%

Wage Rates:
All billable wages shall be actual, not to exceed $86.00 / Hour

No Retainage will be withheld.

Monthly Invoicing:
The consultant must submit original invoices on a monthly basis to the Department to apply against the contract (PO). Consultant must support each invoice with reasonable detail including subconsultant costs. Consultant must maintain complete documentation of all costs incurred for review and audit by the County or its designated representative(s). Consultant must submit each invoice in the format directed by the Department with progress report identifying any variances from budget or schedule and explains the reasons for such variances.

Method of Payment: Cost Plus Fixed Fee (CPFF) method of compensation

CPFF formula: Compensation = DL+DC+OH+FF

Where Fixed Fee (FF):

For Prime Agreements is: (0.33+ R) DL+%DL=FF
%DL = 10% of Direct Labor (DL) of Subs

For Sub-Consultants
(0.33 + R)DL

Note: The Total Fixed Fee cannot exceed 15% of DL + OH unless expressly stated in the advertisement. For Prime Consultants, the Total Fixed Fee includes the Subconsultant %DL.

Where:
R= Complexity Factor: 0
DL = Direct Labor
DC= Direct Cost
OH= Overhead Rate

Escalation Rate:

The percentage used to project the consultant's current hourly rate throughout the life of the contract to account for future raises will be 2% per year, effective January 1 of each year.

Illinois Department of Transportation

EXHIBIT D

COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

FIXED RAISE

Local Public Agency	County	Section Number
Cook County Department of Transportation and Highway	Cook	22-W3924-03-BR

Prime Consultant (Firm) Name	Prepared By	Date
Michael Baker International	Daniel Johnson	4/4/2023

Consultant / Subconsultant Name	Job Number
Michael Baker International	

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

Remarks

Central Avenue Bridge Construciton Management Services

PAYROLL ESCALATION TABLE

CONTRACT TERM	40	MONTHS	OVERHEAD RATE	121.41%
START DATE	7/1/2023		COMPLEXITY FACTOR	0
RAISE DATE	1/1/2024		% OF RAISE	2.00%
END DATE	10/31/2026			

ESCALATION PER YEAR

Year	First Date	Last Date	Months	% of Contract
0	7/1/2023	1/1/2024	6	15.00%
1	1/2/2024	1/1/2025	12	30.60%
2	1/2/2025	1/1/2026	12	31.21%
3	1/2/2026	11/1/2026	10	26.53%

The total escalation = 3.34%

Local Public Agency	County	Section Number
Cook County Department of Transportati	Cook	22-W3924-03-BR

Consultant / Subconsultant Name	Job Number
Michael Baker International	

PAYROLL RATES

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

MAXIMUM PAYROLL RATE	**86.00**
ESCALATION FACTOR	**3.34%**

CLASSIFICATION	IDOT PAYROLL RATES ON FILE	CALCULATED RATE
Office Executive IV	$86.00	$86.00
Department Manager III	$86.00	$86.00
Project Manager III	$85.05	$86.00
Technical Manager II	$68.47	$70.76
Technical Manager I	$59.84	$61.84
Civil Engineer I	$45.40	$46.92
Project Manager I	$55.29	$57.14
Civil Engineer I	$45.40	$46.92
Department Manager I	$65.03	$67.20
Department Manager I	$65.03	$67.20
Technical Manager II	$68.47	$70.76
Technical Manager II	$68.47	$70.76
Project Manager I	$55.29	$57.14

Local Public Agency	County	Section Number
Cook County Department of Transportatio	Cook	22-W3924-03-BR

Consultant / Subconsultant Name	Job Number
Michael Baker International	

SUBCONSULTANTS

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

NAME	Direct Labor Total	Contribution to Prime Consultant
APS Consulting	159,188.00	15,918.80
Program Management & Control Services	208,921.00	20,892.10
Ardmore Roderick	199,796.00	19,979.60
Bowman	221,541.00	22,154.10
Material Service Testing	97,356.00	9,735.60

Local Public Agency	County	Section Number
Cook County Department of Transportation a	Cook	22-W3924-03-BR

Consultant / Subconsultant Name	Job Number
Michael Baker International	

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	1554	$65.00	$101,010.00
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)	12	$200.00	$2,400.00
Utliity 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:	**$103,410.00**

Local Public Agency
Cook County Department of Transportation and Highways

County
Cook

Section Number
22-W3924-03-BR

Consultant / Subconsultant Name
Michael Baker International

Job Number

COST ESTIMATE WORKSHEET

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

OVERHEAD RATE 121.41%

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
1.0 CM Services - MBI	103,410	12548	897,462	1,089,608	296,162		2,283,232	47.60%
2.0 CM Support - MBI	-	378	22,567	27,399	7,447		57,413	1.20%
3.0 CM Services - APS	-		-	-	-	383,569	383,569	8.00%
4.0 CM Services - PMCS	-		-	-	-	464,282	464,282	9.68%
5.0 CM Services & Survey - AR	-		-	-	-	495,667	495,667	10.33%
6.0 CM Services - Bowman	-		-	-	-	671,107	671,107	13.99%
7.0 QA Testing - MST	-		-	-	-	336,094	336,094	7.01%
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Subconsultant DL							$1,945.84	0.04%
Direct Costs Total ===>	$103,410.00						**$103,410.00**	2.16%
TOTALS		12926	920,029	1,117,007	303,609	2,350,719	4,796,720	100.00%

2,037,036

The subconsultant fee has been adjusted due to 15% fixed

Local Public Agency
Cook County Department of Transportation and Highways

County
Cook

Section Number
22-W3924-03-BR

Consultant / Subconsultant Name
Michael Baker International

Job Number

AVERAGE HOURLY PROJECT RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJ. RATES			1.0 CM Services - MBI			2.0 CM Support - MBI			3.0 CM Services - APS			4.0 CM Services - PMCS			5.0 CM Services & Survey - AR		
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Office Executive IV	86.00	60.0	0.46%	0.40	60	0.48%	0.41	0											
Department Manager III	86.00	60.0	0.46%	0.40	60	0.48%	0.41	0											
Project Manager III	86.00	4,020.0	31.10%	26.75	4020	32.04%	27.55	0											
Technical Manager II	70.76	3,616.0	27.97%	19.79	3616	28.82%	20.39	0											
Technical Manager I	61.84	4,004.0	30.98%	19.16	4004	31.91%	19.73	0											
Civil Engineer I	46.92	692.0	5.35%	2.51	692	5.51%	2.59	0											
Project Manager I	57.14	96.0	0.74%	0.42	96	0.77%	0.44	0											
Civil Engineer I	46.92	144.0	1.11%	0.52	0			144	38.10%	17.87									
Department Manager I	67.20	36.0	0.28%	0.19	0			36	9.52%	6.40									
Department Manager I	67.20	36.0	0.28%	0.19	0			36	9.52%	6.40									
Technical Manager II	70.76	90.0	0.70%	0.49	0			90	23.81%	16.85									
Technical Manager II	70.76	36.0	0.28%	0.20	0			36	9.52%	6.74									
Project Manager I	57.14	36.0	0.28%	0.16	0			36	9.52%	5.44									
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TOTALS		12926.0	100%	$71.18	12548.0	100.00%	$71.52	378.0	100%	$59.70	0.0	0%	$0.00	0.0	0%	$0.00	0.0	0%	$0.00

Local Public Agency
Cook County Department of Transportation and Highways

County
Cook

Section Number
22-W3924-03-BR

Consultant / Subconsultant Name
Michael Baker International

Job Number

AVERAGE HOURLY PROJECT RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

PAYROLL CLASSIFICATION	AVG HOURLY RATES	6.0 CM Services - Bowman			7.0 QA Testing - MST														
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Office Executive IV	86.00																		
Department Manager III	86.00																		
Project Manager III	86.00																		
Technical Manager II	70.76																		
Technical Manager I	61.84																		
Civil Engineer I	46.92																		
Project Manager I	57.14																		
Civil Engineer I	46.92																		
Department Manager I	67.20																		
Department Manager I	67.20																		
Technical Manager II	70.76																		
Technical Manager II	70.76																		
Project Manager I	57.14																		
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

Local Public Agency	County	Section Number
Cook County Department of Transp	Cook	22-W3924-03-BR

Consultant / Subconsultant Name	Job Number
Michael Baker International	

DIRECT COSTS SUPPORTING DOCUMENTATION WORKSHEET

$200.00 Per Site Visit - This accounts for all permitting and potential fees required for flights. All charges to be billed per actual costs with documentation.

12 Planned Site Visits X $200.00 / Site Visit = $2,400.00

Illinois Department of Transportation

EXHIBIT D

COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

FIXED RAISE

Local Public Agency	County	Section Number
Cook County Department of Transportation and Highway	Cook	22-W3924-03-BR

Prime Consultant (Firm) Name	Prepared By	Date
Michael Baker International	SSJ	3/29/2023

Consultant / Subconsultant Name	Job Number
APS Consulting, Inc.	

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

Remarks

Central Avenue Bridge Construction Management Services

PAYROLL ESCALATION TABLE

CONTRACT TERM	**26**	**MONTHS**	**OVERHEAD RATE**	**95.50%**
START DATE	**7/5/2023**		**COMPLEXITY FACTOR**	**0**
RAISE DATE	**1/1/2024**		**% OF RAISE**	**2.00%**
END DATE	9/4/2025			

ESCALATION PER YEAR

Year	First Date	Last Date	Months	% of Contract
0	7/5/2023	1/1/2024	6	23.08%
1	1/2/2024	1/1/2025	12	47.08%
2	1/2/2025	9/1/2025	8	32.01%

The total escalation = 2.17%

Local Public Agency	County	Section Number
Cook County Department of Transportati	Cook	22-W3924-03-BR

Consultant / Subconsultant Name	Job Number
APS Consulting, Inc.	

PAYROLL RATES

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

MAXIMUM PAYROLL RATE	**86.00**
ESCALATION FACTOR	**2.17%**

CLASSIFICATION	IDOT PAYROLL RATES ON FILE	CALCULATED RATE
Principal	$78.00	$79.69
Senior Engineer	$55.00	$56.19
Field Tech II	$41.67	$42.57

Local Public Agency	County	Section Number
Cook County Department of Transportatio	Cook	22-W3924-03-BR

Consultant / Subconsultant Name	Job Number
APS Consulting, Inc.	

SUBCONSULTANTS

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

NAME	Direct Labor Total	Contribution to Prime Consultant

Local Public Agency	County	Section Number
Cook County Department of Transportation a	Cook	22-W3924-03-BR

Consultant / Subconsultant Name	Job Number
APS Consulting, Inc.	

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	395	$65.00	$25,675.00
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
Utliity 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:	**$25,675.00**

Local Public Agency
Cook County Department of Transportation and Highways

County
Cook

Section Number
22-W3924-03-BR

Consultant / Subconsultant Name
APS Consulting, Inc.

Job Number

COST ESTIMATE WORKSHEET

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

OVERHEAD RATE 95.50%

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
3.0 CM Services - APS	25,675	3188	159,188	152,024	46,682		357,894	93.31%
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Subconsultant DL							$0.00	
Direct Costs Total ===>	$25,675.00						**$25,675.00**	6.69%
TOTALS		3188	159,188	152,024	46,682	-	383,569	100.00%

311,212

Local Public Agency
Cook County Department of Transportation and Highway

County
Cook

Section Number
22-W3924-03-BR

Consultant / Subconsultant Name
APS Consulting, Inc.

Job Number

AVERAGE HOURLY PROJECT RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

SHEET 1 OF 1

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJ. RATES			3.0 CM Services - APS														
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Principal	79.69	58.0	1.82%	1.45	58	1.82%	1.45												
Senior Engineer	56.19	1,565.0	49.09%	27.58	1565	49.09%	27.58												
Field Tech II	42.57	1,565.0	49.09%	20.90	1565	49.09%	20.90												
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TOTALS		3188.0	100%	$49.93	3188.0	100.00%	$49.93	0.0	0%	$0.00	0.0	0%	$0.00	0.0	0%	$0.00	0.0	0%	$0.00

Illinois Department of Transportation

EXHIBIT D

COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

FIXED RAISE

Local Public Agency	County	Section Number
Cook County Department of Transportation and Highway	Cook	22-W3924-03-BR

Prime Consultant (Firm) Name	Prepared By	Date
Michael Baker International	Thomas Nutter	3/29/2023

Consultant / Subconsultant Name	Job Number
Program Management & Control Services, LLC	

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

Remarks

Central Avenue Bridge Construction Management Services

PAYROLL ESCALATION TABLE

CONTRACT TERM	**26**	**MONTHS**	**OVERHEAD RATE**	**80.96%**
START DATE	**7/5/2023**		**COMPLEXITY FACTOR**	**0**
RAISE DATE	**1/1/2024**		**% OF RAISE**	**2.00%**
END DATE	9/4/2025			

ESCALATION PER YEAR

Year	First Date	Last Date	Months	% of Contract
0	7/5/2023	1/1/2024	6	23.08%
1	1/2/2024	1/1/2025	12	47.08%
2	1/2/2025	9/1/2025	8	32.01%

The total escalation = 2.17%

Local Public Agency	County	Section Number
Cook County Department of Transportati	Cook	22-W3924-03-BR

Consultant / Subconsultant Name	Job Number
Program Management & Control Services, LLC	

PAYROLL RATES

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

MAXIMUM PAYROLL RATE	**86.00**
ESCALATION FACTOR	**2.17%**

CLASSIFICATION	IDOT PAYROLL RATES ON FILE	CALCULATED RATE
Principal	$73.99	$75.59
Senior Project Manager	$78.00	$79.69
Project Manager	$78.00	$79.69
Engineer 4	$76.00	$77.65
Engineer 3	$60.50	$61.81
Engineer 2	$45.71	$46.70
Engineer 1	$37.50	$38.31
Engineer in Training	$18.00	$18.39
Technical Specialist 4	$74.03	$75.63
Technical Specialist 3	$71.43	$72.98
Technical Specialist 2	$47.04	$48.06
Technical Specialist 1	$48.00	$49.04
Administrative Assistant 3	$33.24	$33.96
Administrative Assistant 2	$29.40	$30.04
QA/QC Specialist 2	$27.88	$28.48

Local Public Agency	County	Section Number
Cook County Department of Transportatio	Cook	22-W3924-03-BR

Consultant / Subconsultant Name	Job Number
Program Management & Control Services, LLC	

SUBCONSULTANTS

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

NAME	Direct Labor Total	Contribution to Prime Consultant

Local Public Agency	County	Section Number
Cook County Department of Transportation a	Cook	22-W3924-03-BR

Consultant / Subconsultant Name	Job Number
Program Management & Control Services, LLC	

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	454	$65.00	$29,510.00
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
Utliity 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:	**$29,510.00**

Local Public Agency
Cook County Department of Transportation and Highways

County
Cook

Section Number
22-W3924-03-BR

Consultant / Subconsultant Name
Program Management & Control Services, LLC

Job Number

COST ESTIMATE WORKSHEET

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

OVERHEAD RATE 80.96%

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
4.0 CM Services - PMCS	29,510	4162	208,921	169,142	56,709		434,772	93.64%
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Subconsultant DL							$0.00	
Direct Costs Total ===>	$29,510.00						**$29,510.00**	6.36%
TOTALS		4162	208,921	169,142	56,709	-	464,282	100.00%

378,063

Local Public Agency
Cook County Department of Transportation and Highways

County
Cook

Section Number
22-W3924-03-BR

Consultant / Subconsultant Name
Program Management & Control Services, LLC

Job Number

AVERAGE HOURLY PROJECT RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJ. RATES			4.0 CM Services - PMCS															
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
		0.0																	
Principal	75.59	240.0	5.77%	4.36	240	5.77%	4.36												
Senior Project Manager	79.69	0.0																	
Project Manager	79.69	0.0																	
Engineer 4	77.65	0.0																	
Engineer 3	61.81	0.0																	
Engineer 2	46.70	3,632.0	87.27%	40.75	3632	87.27%	40.75												
Engineer 1	38.31	0.0																	
Engineer in Training	18.39	0.0																	
Technical Specialist 4	75.63	0.0																	
Technical Specialist 3	72.98	290.0	6.97%	5.08	290	6.97%	5.08												
Technical Specialist 2	48.06	0.0																	
Technical Specialist 1	49.04	0.0																	
Administrative Assistant 3	33.96	0.0																	
Administrative Assistant 2	30.04	0.0																	
QA/QC Specialist 2	28.48	0.0																	
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		0.0																	
TOTALS		4162.0	100%	$50.20	4162.0	100.00%	$50.20	0.0	0%	$0.00	0.0	0%	$0.00	0.0	0%	$0.00	0.0	0%	$0.00

Illinois Department of Transportation

EXHIBIT D

COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

FIXED RAISE

Local Public Agency	County	Section Number
Cook County Department of Transportation and Highway	Cook	22-W3924-03-BR

Prime Consultant (Firm) Name	Prepared By	Date
Michael Baker International	MJB	3/30/2023

Consultant / Subconsultant Name	Job Number
Ardmore Roderick	

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

Remarks

Central Avenue Bridge Construction Management Services

PAYROLL ESCALATION TABLE

CONTRACT TERM	26	MONTHS	OVERHEAD RATE	103.11%
START DATE	7/5/2023		COMPLEXITY FACTOR	0
RAISE DATE	1/1/2024		% OF RAISE	2.00%
END DATE	9/4/2025			

ESCALATION PER YEAR

Year	First Date	Last Date	Months	% of Contract
0	7/5/2023	1/1/2024	6	23.08%
1	1/2/2024	1/1/2025	12	47.08%
2	1/2/2025	9/1/2025	8	32.01%

The total escalation = 2.17%

Local Public Agency	County	Section Number
Cook County Department of Transportati	Cook	22-W3924-03-BR

Consultant / Subconsultant Name	Job Number
Ardmore Roderick	

PAYROLL RATES

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

MAXIMUM PAYROLL RATE	**86.00**
ESCALATION FACTOR	**2.17%**

CLASSIFICATION	IDOT PAYROLL RATES ON FILE	CALCULATED RATE
Project Manager IV	$58.00	$59.26
Technician V	$53.00	$54.15
Technician III	$42.00	$42.91

Local Public Agency	County	Section Number
Cook County Department of Transportatio	Cook	22-W3924-03-BR

Consultant / Subconsultant Name	Job Number
Ardmore Roderick	

SUBCONSULTANTS

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

NAME	Direct Labor Total	Contribution to Prime Consultant

Local Public Agency	County	Section Number
Cook County Department of Transportation a	Cook	22-W3924-03-BR

Consultant / Subconsultant Name	Job Number
Ardmore Roderick	

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	446	$65.00	$28,990.00
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
Utliity 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:	**$28,990.00**

Local Public Agency
Cook County Department of Transportation and Highways

County
Cook

Section Number
22-W3924-03-BR

Consultant / Subconsultant Name
Ardmore Roderick

Job Number

COST ESTIMATE WORKSHEET

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

OVERHEAD RATE 103.11%

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
5.0 CM Services & Survey - AR	28,990	3560	199,796	206,010	60,871		466,677	94.15%
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Subconsultant DL							$0.00	
Direct Costs Total ===>	$28,990.00						**$28,990.00**	5.85%
TOTALS		3560	199,796	206,010	60,871	-	495,667	100.00%

405,806

Local Public Agency
Cook County Department of Transportation and Highway

County
Cook

Section Number
22-W3924-03-BR

Consultant / Subconsultant Name
Ardmore Roderick

Job Number

AVERAGE HOURLY PROJECT RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

SHEET 1 OF 1

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJ. RATES			5.0 CM Services & Survey - AR														
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Project Manager III	59.26	2,520.0	70.79%	41.95	2520	70.79%	41.95												
Technician V	54.15	520.0	14.61%	7.91	520	14.61%	7.91												
Technician III	42.91	520.0	14.61%	6.27	520	14.61%	6.27												
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TOTALS		3560.0	100%	$56.12	3560.0	100.00%	$56.12	0.0	0%	$0.00	0.0	0%	$0.00	0.0	0%	$0.00	0.0	0%	$0.00

Illinois Department of Transportation

EXHIBIT D

COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

FIXED RAISE

Local Public Agency	County	Section Number
Cook County Department of Transportation and Highway	Cook	22-W3924-03-BR

Prime Consultant (Firm) Name	Prepared By	Date
Michael Baker International	Greg Stukel	3/31/2023

Consultant / Subconsultant Name	Job Number
Bowman Consulting Group, Ltd.	

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

Remarks

Central Avenue Bridge Construction Management Services

PAYROLL ESCALATION TABLE

CONTRACT TERM	26	MONTHS	OVERHEAD RATE	152.88%
START DATE	7/5/2023		COMPLEXITY FACTOR	0
RAISE DATE	1/1/2024		% OF RAISE	2.00%
END DATE	9/4/2025			

ESCALATION PER YEAR

Year	First Date	Last Date	Months	% of Contract
0	7/5/2023	1/1/2024	6	23.08%
1	1/2/2024	1/1/2025	12	47.08%
2	1/2/2025	9/1/2025	8	32.01%

The total escalation = 2.17%

Local Public Agency	County	Section Number
Cook County Department of Transportati	Cook	22-W3924-03-BR

Consultant / Subconsultant Name	Job Number
Bowman Consulting Group, Ltd.	

PAYROLL RATES

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

MAXIMUM PAYROLL RATE	**86.00**
ESCALATION FACTOR	**2.17%**

CLASSIFICATION	IDOT PAYROLL RATES ON FILE	CALCULATED RATE
Senior Construction Technician	$46.91	$47.93
Project Administrator	$42.15	$43.06
Construction Engineer III	$45.93	$46.92

Local Public Agency	County	Section Number
Cook County Department of Transportatio	Cook	22-W3924-03-BR

Consultant / Subconsultant Name	Job Number
Bowman Consulting Group, Ltd.	

SUBCONSULTANTS

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

NAME	Direct Labor Total	Contribution to Prime Consultant

Total	0.00	0.00

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

Local Public Agency	County	Section Number
Cook County Department of Transportation a	Cook	22-W3924-03-BR

Consultant / Subconsultant Name	Job Number
Bowman Consulting Group, Ltd.	

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	581	$65.00	$37,765.00
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
Utliity 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:	**$37,765.00**

Local Public Agency
Cook County Department of Transportation and Highways

County
Cook

Section Number
22-W3924-03-BR

Consultant / Subconsultant Name
Bowman Consulting Group, Ltd.

Job Number

COST ESTIMATE WORKSHEET

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

OVERHEAD RATE 152.88%

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
6.0 CM Services - Bowman	37,765	4695	221,541	338,692	73,109		633,342	94.37%
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Subconsultant DL							$0.00	
Direct Costs Total ===>	$37,765.00						**$37,765.00**	5.63%
TOTALS		4695	221,541	338,692	73,109	-	671,107	100.00%

560,233

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

Local Public Agency
Cook County Department of Transportation and Highway

County
Cook

Section Number
22-W3924-03-BR

Consultant / Subconsultant Name
Bowman Consulting Group, Ltd.

Job Number

AVERAGE HOURLY PROJECT RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJ. RATES			6.0 CM Services - Bowman														
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Senior Construction Techni	47.93	1,420.0	30.24%	14.50	1420	30.24%	14.50												
Project Administrator	43.06	50.0	1.06%	0.46	50	1.06%	0.46												
Construction Engineer III	46.92	3,225.0	68.69%	32.23	3225	68.69%	32.23												
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TOTALS		4695.0	100%	$47.19	4695.0	100.00%	$47.19	0.0	0%	$0.00	0.0	0%	$0.00	0.0	0%	$0.00	0.0	0%	$0.00

Illinois Department of Transportation

EXHIBIT D

COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

FIXED RAISE

Local Public Agency	County	Section Number
Cook County Department of Transportation and Highway	Cook	22-W3924-03-BR

Prime Consultant (Firm) Name	Prepared By	Date
Michael Baker International	Maria Kocherova	3/28/2023

Consultant / Subconsultant Name	Job Number
Material Service Testing, Inc.	

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

Remarks

Central Avenue Bridge Deck Replacement - I-55 to Pershing Road CS

PAYROLL ESCALATION TABLE

CONTRACT TERM	**26**	**MONTHS**	**OVERHEAD RATE**	**151.60%**
START DATE	**7/5/2023**		**COMPLEXITY FACTOR**	
RAISE DATE	**1/1/2024**		**% OF RAISE**	**2.00%**
END DATE	9/4/2025			

ESCALATION PER YEAR

Year	First Date	Last Date	Months	% of Contract
0	7/5/2023	1/1/2024	6	23.08%
1	1/2/2024	1/1/2025	12	47.08%
2	1/2/2025	9/1/2025	8	32.01%

The total escalation = 2.17%

Local Public Agency	County	Section Number
Cook County Department of Transportati	Cook	22-W3924-03-BR

Consultant / Subconsultant Name	Job Number
Material Service Testing, Inc.	

PAYROLL RATES

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

MAXIMUM PAYROLL RATE	**86.00**
ESCALATION FACTOR	**2.17%**

CLASSIFICATION	IDOT PAYROLL RATES ON FILE	CALCULATED RATE
President	$77.00	$78.67
Executive Vice President	$70.00	$71.52
Technical Director	$70.00	$71.52
Materials Technician	$45.99	$46.99
Materials Inspector	$50.30	$51.39
Senior Welding Inspector Specialist	$105.00	$86.00
Project Administration Specialist	$24.50	$25.03

Local Public Agency	County	Section Number
Cook County Department of Transportatio	Cook	22-W3924-03-BR

Consultant / Subconsultant Name	Job Number
Material Service Testing, Inc.	

SUBCONSULTANTS

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

NAME	Direct Labor Total	Contribution to Prime Consultant

Local Public Agency	County	Section Number
Cook County Department of Transportation a	Cook	22-W3924-03-BR

Consultant / Subconsultant Name	Job Number
Material Service Testing, Inc.	

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	290	$65.00	$18,850.00
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)	162	$23.27	$3,769.74
Shift Differential	Actual Cost (Based on firm's policy)			$0.00
Overnight Delivery/Postage/Courier Service	Actual Cost (Submit supporting documentation)	1	$14.26	$14.26
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
Utliity 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)	1	$36,385.00	$36,385.00
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:	**$59,019.00**

Local Public Agency
Cook County Department of Transportation and Highways

County
Cook

Section Number
22-W3924-03-BR

Consultant / Subconsultant Name
Material Service Testing, Inc.

Job Number

COST ESTIMATE WORKSHEET

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

OVERHEAD RATE 151.60%

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
7.0 QA Testing - MST	59,019	2069	97,356	147,592	32,127		277,075	82.44%
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Subconsultant DL							$0.00	
Direct Costs Total ===>	$59,019.00						**$59,019.00**	17.56%
TOTALS		2069	97,356	147,592	32,127	-	336,094	100.00%

244,948

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

Local Public Agency
Cook County Department of Transportation and Highway

County
Cook

Section Number
22-W3924-03-BR

Consultant / Subconsultant Name
Material Service Testing, Inc.

Job Number

AVERAGE HOURLY PROJECT RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJ. RATES			7.0 QA Testing - MST														
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
President	78.67	4.0	0.19%	0.15	4	0.19%	0.15												
Executive Vice President	71.52	16.0	0.77%	0.55	16	0.77%	0.55												
Technical Director	71.52	24.0	1.16%	0.83	24	1.16%	0.83												
Materials Technician	46.99	1,560.0	75.40%	35.43	1560	75.40%	35.43												
Materials Inspector	51.39	235.0	11.36%	5.84	235	11.36%	5.84												
Senior Welding Inspector S	86.00	50.0	2.42%	2.08	50	2.42%	2.08												
Project Administration Spec	25.03	180.0	8.70%	2.18	180	8.70%	2.18												
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TOTALS		2069.0	100%	$47.05	2069.0	100.00%	$47.05	0.0	0%	$0.00	0.0	0%	$0.00	0.0	0%	$0.00	0.0	0%	$0.00

RFQ2239-06220
Material Service Testing, Inc.

Postage - Supporting Documentation
$1.188/month x 12 months = $14.26
Total Postage Costs = $14.26

RFQ2239-06220
Material Service Testing, Inc

Overtime Hours Breakdown Estimate
Position: Materials Technician

	2023	2024
	Overtime Hours	Overtime Hours
January		
February		
March		
April		
May		10
June	10	16
July	14	16
August	16	16
September	16	16
October	16	16
November		
December		
Totals	72	90

	2023	2024	Grand Total	Cost / Day	Total Cost
Total Overtime Hours	72	90	162	$ 23.27	$ 3,769.74
				Total Direct Cost:	$ 3,769.74

QA TESTING TASKS AND DESCRIPTIONS

Task No.	Description	Type	AASHTO/ASTM	Standard Unit Rate	Expedited Unit Rate*	Quantity Standard	Quantity Expedited	Total
1	Conduct a passing TSR test using 150-mm molds and Superpave gyratory compaction using current IDOT procedure. May require more than one TSR if antistrip is required. (Includes aggregate seperation, batching, blending, mixing)	HMA	T 283	$1,430.00	$2,145.00			$0.00
2	Superpave bituminous mix design verification: A: Gmm; Gmb; two ignition oven tests with washed gradation; reflux extraction; and asphalt content and gradation correction factor determination from ignition and reflux. Verification conducted from premixed, pre-made samples ready for testing. Includes TSR on provided specimens prepared at required air void content.	HMA	Gmm -T 209 Gmb -T 166 Ign – T 308 Ext – T 164 TSR – T 283 Gradation -T 27	$1,430.00	$2,145.00			$0.00
3	Superpave bituminous mix design verification (for N90 and N105): B: Gmm, Gmb; two ignition oven tests with washed gradation; reflux extraction; and asphalt content and gradation correction factor determination from ignition and reflux; reflux extraction of one Gmm test sample; reflux extraction of one Gmb test sample. Verification conducted from premixed samples ready for testing. Includes TSR on provided specimens prepared at required air void content.	HMA	Gmm -T 209 Gmb -T 166 Ign – T 308 Ext – T 164 TSR – T 283 Gradation -T 27	$1,975.00	$2,962.50			$0.00
4	Single point asphalt mix design: Includes aggregate separation, washed gradations, blending, mixing, Gmm, Gmb, and analysis	HMA	Gradation -T 27 Mixing -TP 4 Gmm -T 209	$1,190.00	$1,785.00			$0.00
5	Superpave bituminous mix design including Hamburg Wheel: A: Gmm; Gmb; two ignition oven tests with washed gradation; reflux extraction; and asphalt content and gradation correction factor determination from ignition and reflux. Verification conducted from premixed, pre-made samples ready for testing. Includes TSR on provided specimens prepared at required air void content.	HMA	Gmm -T 209 Gmb -T 166 Ign – T 308 Ext – T 164 TSR – T 283 Gradation -T 27	$7,350.00	$11,025.00			$0.00
6	Draindown test, an additional requirement for SMA and SML mix designs	HMA	T 305	$155.00	$232.50			$0.00
7	Superpave bituminous mix design verification: A: Gmm; Gmb; and reflux extraction. Verification conducted from premixed samples ready for testing.	HMA	T 283	$800.00	$1,200.00			$0.00
8	Reflux extraction using a plant or otherwise premixed sample, including wash gradation & splitting as needed. HMA & RAP	HMA	T 164 & T27	$315.00	$472.50			$0.00
9	Reflux extraction using a plant or otherwise premixed sample, including wash gradation & splitting as needed. RAS	HMA		$365.00	$547.50			$0.00
10	Centrifuge extraction including washed gradation and splitting as needed. RAS	HMA	Method A T-164-11	$365.00	$547.50			$0.00
11	Maximum specific gravity (Gmm or "D") using a plant or otherwise premixed sample, including splitting as needed (2 tests, averaged as one value).	HMA	T 209	$240.00	$360.00			$0.00
12	Mixture bulk specific gravity (Gmb or "d") using a plant or otherwise premixed sample, including splitting as needed (2 tests averaged as one value).	HMA	T 166	$240.00	$360.00			$0.00
13	Ignition oven test, reporting asphalt content only using a plant or otherwise premixed sample, including splitting as needed.	HMA	T 308	$160.00	$240.00			$0.00
14	Ignition oven test, reporting asphalt content and washed gradation using a plant or otherwise premixed sample, including splitting as needed.	HMA	T 308 & T 27	$240.00	$360.00			$0.00
15	Nuclear asphalt content – Conduct a nuclear asphalt content test using a plant or otherwise premixed sample, including pan preparation.	HMA	T 287	$265.00	$397.50			$0.00
16	TSR verification using a plant or otherwise premixed sample.	HMA	T 283	$625.00	$937.50			$0.00
17	Mix Analysis & TSR: Gmm, Gmb, and reflux extraction plus TSR completed on the same plant or otherwise premixed samples	HMA	T 209, T 166, T 164, T 283	$1,420.00	$2,130.00			$0.00
18	Core density testing, per core	HMA	T 166	$70.00	$105.00			$0.00
19	Hamburg Wheel Testing on Pavement Cores includes prep and trimming the specimens (20,000 cycles @ 50C)	HMA	T 324	$755.00	$1,132.50			$0.00
20	Hamburg Wheel Testing on Loose HMA by SGC (20,000 cycles @ 50C)	HMA	T 324	$970.00	$1,455.00			$0.00
21	Hamburg Wheel Testing on Pavement Cores includes prep and trimming the specimens (10,000 cycles @ 50C)	HMA	T 324	$755.00	$1,132.50			$0.00
22	Hamburg Wheel Testing on Loose HMA by SGC (10,000 cycles @ 50C)	HMA	T 324	$970.00	$1,455.00			$0.00
23	RAP - Loss of Abrasion using Micro-Deval (on Extracted Material)	HMA	T 327	$420.00	$630.00			$0.00
24	RAP Aggregate Bulk Dry Specific Gravity (Gsb)	HMA		$380.00	$570.00			$0.00
25	Warm Mix Asphalt (WMA) Mix Design using a Foamer (four point design includes aggregate seperation, mixing, blending, TSR and four ignition batches)	HMA	M 323 & T 283	$11,550.00	$17,325.00			$0.00
26A	Field Permeability Testing of Asphalt Pavements (Per test)	HMA	B25	$1,100.00	$1,650.00			$0.00
26B	Field Permeability Testing of Asphalt Pavements: mobilization to job site	HMA	MISC		$0.00			$0.00
27	Disk Shaped Compact Tension Test using a plant or otherwise premixed sample, including splitting as needed	HMA	ASTM D7313(07)	$1,050.00	$1,575.00			$0.00

28	Disk Shaped Compact Tension Test on Pavement Cores or provided specimens prepared at required air void content, includes prep and trimming the specimens	HMA	ASTM D7313(07)	$840.00	$1,260.00			$0.00
29	Illinois Flexibility Index (IFIT) Test using a plant or otherwise premixed sample, including splitting as needed	HMA	ITP 405	$785.00	$1,177.50			$0.00
30	Illinois Flexibility Index (IFIT) Test on Pavement Cores or provided specimens prepared at required air void content, includes prep and trimming the specimens	HMA	ITP 405	$470.00	$705.00			$0.00
31	Extraction via Asphalt Analyzer using a plant or otherwise premixed sample, including wash gradation & splitting as needed.	HMA	ASTM D2172	$350.00	$525.00			$0.00
32	Average rate for HMA Level I Technician (per hour)	HMA	Cost Plus Fixed Fee		$0.00			$0.00
33	Average rate for HMA Level II Technician (per hour)	HMA	Cost Plus Fixed Fee		$0.00			$0.00
34	Average rate for HMA Level III Technician (per hour)	HMA	Cost Plus Fixed Fee		$0.00			$0.00
35	Average rate for Density Technician (per hour)	HMA	Cost Plus Fixed Fee		$0.00			$0.00
36A	ASHPHALT ANALYZER AASHTO M320- Verification	HMA	ASSHTO M320	$1,520.00	$2,280.00			$0.00
36B	AASHTO M320- Classification	HMA	AASHTO M320	$2,080.00	$3,120.00			$0.00
36C	AASHTO M320- Classification w/ MSCR	HMA	ASSHTO M320	$2,150.00	$3,225.00			$0.00
36D	Extraction/Recovery + PG- Design/Field Mix	HMA	AASHTO M320	$2,100.00	$3,150.00			$0.00
36E	Extraction/Recovery + PG- Field Core	HMA	ASSHTO M320	$2,025.00	$3,037.50			$0.00
36F	Extraction/Recovery + PG- RAP/RAS Sample	HMA	AASHTO M320	$2,615.00	$3,922.50			$0.00
36G	Asphalt Extraction	HMA	ASSHTO M320	$350.00	$525.00			$0.00
36H	Asphalt Binder Recovery from Solution	HMA	AASHTO M320	$300.00	$450.00			$0.00
36I	MSCR (includes % Recovery)	HMA	ASSHTO M320	$300.00	$450.00			$0.00
36J	RTFO+ MSCR	HMA	AASHTO M320	$455.00	$682.50			$0.00
36K	Softening Point	HMA	ASSHTO M320	$155.00	$232.50			$0.00
36L	Separation of Polymer-Softening Point	HMA	AASHTO M320	$365.00	$547.50			$0.00
36M	Separation of Polymer-DSR	HMA	ASSHTO M320	$455.00	$682.50			$0.00
36N	Elastic Recovery-DSR	HMA	AASHTO M320	$340.00	$510.00			$0.00
36O	High/Low Shear Blending	HMA	ASSHTO M320	$0.00	$0.00			$0.00
36P	Flashpoint	HMA	AASHTO M320	$60.00	$90.00			$0.00
36Q	Rotational Viscosity	HMA	ASSHTO M320	$60.00	$90.00			$0.00
36R	Original DSR (1 Temp)	HMA	AASHTO M320	$300.00	$450.00			$0.00
36S	Original DSR (2 Temp)	HMA	ASSHTO M320	$435.00	$652.50			$0.00
36T	RTFO w/ Mass Loss	HMA	AASHTO M320	$75.00	$112.50			$0.00

36U	RTFO DSR (1 Temp)	HMA	ASSHTO M320	$300.00	$450.00			$0.00
36V	RTFO DSR (2 Temp)	HMA	AASHTO M320	$435.00	$652.50			$0.00
36W	PAV	HMA	ASSHTO M320	$75.00	$112.50			$0.00
36X	PAV DSR (1 Temp)	HMA	AASHTO M320	$300.00	$450.00			$0.00
36Y	PAV DSR (2 Temp)	HMA	ASSHTO M320	$435.00	$652.50			$0.00
36Z	BBR (1 Temp)	HMA	AASHTO M320	$325.00	$487.50			$0.00
36AA	BBR (2 Temp)	HMA	ASSHTO M320	$490.00	$735.00			$0.00
37	Concrete breaks: Cylinder (wet curing) using neoprene pads (6x12 and 4x8)	PCC	T 22 (ASTM C39)	$27.00	$40.50	1165.00		$31,455.00
38	Concrete breaks: Cylinder (dry curing) using neoprene pads (6x12 and 4x8)	PCC	T 22 (ASTM C39)	$27.00	$40.50			$0.00
39	Concrete breaks: Cylinder (sulfur capped) (6x12 and 4x8)	PCC	ASTM 617 & 1231	$42.00	$63.00			$0.00
40	Concrete breaks: Beams center point loading (with curing)	PCC	T 177	$70.00	$105.00			$0.00
41	Concrete breaks: Beams 1/3 point loading (with curing)	PCC	T 97 (ASTM C78)	$70.00	$105.00			$0.00
42	Concrete core cuting and sample preparation (in Lab)	PCC		$65.00	$97.50			$0.00
43	Concrete Level I Technician with Equipment (per hour)	PCC	Cost Plus Fixed Fee		$0.00			$0.00
44	Concrete Level II Technician with Equipment (per hour)	PCC	Cost Plus Fixed Fee		$0.00			$0.00
45	Magnetic Tomography Technology (MIT) to Evaluate Dowel Placement including analysis. (Per Day-Equipment)	PCC	ASTM E3013/3013M	$155.00	$232.50			$0.00
46	Washed gradation including splitting as needed	AGG	T 27	$170.00	$255.00	29.00		$4,930.00
47	Dry gradation including splitting as needed	AGG		$130.00	$195.00			$0.00
48	Fine particle size classification – gradation and hydrometer analysis	AGG	T 88	$260.00	$390.00			$0.00
49	ASTM D6928 and 7428 Resistance of Coatse/Fine Aggregation in Degradation by abrasion in Micro-Deval apparatus	AGG	ASTM D6928	$400.00	$600.00			$0.00
50	Coarse aggregate specific gravity test, reporting Gsb, Gsa, Gsb (SSD) and absorption (Submerged Method)	AGG	T 85	$245.00	$367.50			$0.00
51	Fine aggregate specific gravity test, reporting Gsb, Gsa, Gsb (SSD) and absorption (Submerged Method)	AGG	T 84	$270.00	$405.00			$0.00
52	Aggregate specific gravity verification – Fine aggregate (Submerged Method)	AGG	T 84	$295.00	$442.50			$0.00
53	Aggregate specific gravity verification – Coarse aggregate (Submerged Method)	AGG	T 85	$295.00	$442.50			$0.00
54	Aggregate Voids - fine aggregate	AGG		$260.00	$390.00			$0.00
55	Aggregate Voids - coarse aggregate	AGG		$260.00	$390.00			$0.00
56	Aggregate specific gravity verification – reclaimed asphalt pavement (RAP-Vacuum Method)	AGG	Manual of Test Procedures Appendix B21	$255.00	$382.50			$0.00
57	Aggregate specific gravity verification – recycled asphalt shingles (RAS - Vaccum Method) average of two tests	AGG	T 209 (Modified)	$375.00	$562.50			$0.00
58	Slag counts (Ignition test plus count)	AGG		$240.00	$360.00			$0.00
59	Aggregate proctors (complete) MOD	AGG	T 180	$315.00	$472.50			$0.00
60	Fine Aggregate Angularity (FAA)	AGG		$210.00	$315.00			$0.00
61	Flat and elongated	AGG		$260.00	$390.00			$0.00
62	Aggregate Technician 5 day (per hour)	AGG	Cost Plus Fixed Fee		$0.00			$0.00
63	Standard Proctor	SOIL	T 99	$240.00	$360.00			$0.00
64	Liquid & Plastic Limit	SOIL	T 89 & T 90	$160.00	$240.00			$0.00
65	Hydrometer Analysis (AASHTO T88)	SOIL	T 88	$215.00	$322.50			$0.00
66	Soils Technician (S-33 Certified)	SOIL	Cost Plus Fixed Fee		$0.00			$0.00
67	Laboratory Technician (per hour) IDOT Laboratory (Level II)	MISC	Cost Plus Fixed Fee		$0.00			$0.00
68	Source Inspector (per hour) (Non-union)	MISC	Cost Plus Fixed Fee		$0.00			$0.00

69	Sample pick-up (per hour)	MISC	Cost Plus Fixed Fee		$0.00			$0.00
70	Core cutting: traffic control only	MISC	AT COST		$0.00			$0.00
71	Core cutting: mobilization to job site	MISC		$135.00	$202.50			$0.00
72	Core cutting: coring for density, per core under 12" depth	MISC		$175.00	$262.50			$0.00
73	Core cutting: coring for density, per core over 12" depth	MISC		$205.00	$307.50			$0.00
74	Core sawing: concrete & bituminous	MISC		$47.00	$70.50			$0.00
75	Polarized Light Microscopy (PLM) – Test method to identify asbestos following: EPA 600/R-93/116. Laboratories shall be accredited through the National Institute of Standards and Technology (NIST).	MISC		$40.00	$60.00			$0.00
76	Dry Shake Gradation (RAS)	MISC		$145.00	$217.50			$0.00
77	Project Manager	MISC	Cost Plus Fixed Fee		$0.00			$0.00
78	Project Manager, Field Supervisor and Special Tasks	MISC	Cost Plus Fixed Fee		$0.00			$0.00
79	Technical Office Staff (non-union)	MISC	Cost Plus Fixed Fee		$0.00			$0.00
80	Materials Certification Technician (non-union	MISC	Cost Plus Fixed Fee		$0.00			$0.00
81	Mileage (*per IDOT policy)	MISC	DEPT POLICY		$0.00			$0.00
82	Vehicle Cost (daily)	MISC		$65.00	$65.00			$0.00
83	Average rate for Overtime (per hour)	MISC	AT COST		$0.00			$0.00
84	Average rate for Overtime Holidays and Sundays (per hour)	MISC	AT COST		$0.00			$0.00
85	Average Night Differential, additional cost for labor outside standard working hour, (per hour)	MISC	AT COST		$0.00			$0.00
86	Per Diem	MISC	DEPT POLICY		$0.00			$0.00
87	Accomodations	MISC	DEPT POLICY		$0.00			$0.00
*	For Expedited Services (48 hour or less turnaround) there is a 50% upcharge to Standard Rates.				$0.00			
	Total:							$36,385.00

Exhibit 5

Minority and Women Owned Business Enterprise Commitment/Plans

TONI PRECKWINKLE
PRESIDENT
Cook County Board
of Commissioners

BRANDON JOHNSON
1st District

DENNIS DEER
2nd District

BILL LOWRY
3rd District

STANLEY MOORE
4th District

MONICA GORDON
5th District

DONNA MILLER
6th District

ALMA E. ANAYA
7th District

ANTHONY J. QUEZADA
8th District

MAGGIE TREVOR
9th District

BRIDGET GAINER
10th District

JOHN P. DALEY
11th District

BRIDGET DEGNEN
12th District

JOSINA MORITA
13th District

SCOTT R. BRITTON
14th District

KEVIN B. MORRISON
15th District

FRANK J. AGUILAR
16th District

SEAN M. MORRISON
17th District

OFFICE OF CONTRACT COMPLIANCE
Nicole Mandeville
DIRECTOR
69 W. Washington Street, George W. Dunne Cook County Building, Suite 3000 ● Chicago, Illinois 60602 ● (312) 603-5502

June 14, 2023

Mr. Raffi Sarrafian
Chief Procurement Officer
George W. Dunne
County Building
69 W. Washington Street – Suite 3000
Chicago, IL 60602

Re: Contract No.: 2238-06220
Request for Qualifications (RFQ) for Construction Management (CM) Services for Central Avenue Bridge
Department of Transportation and Highways

Dear Mr. Sarrafian:
The following Utilization Plan proposal for the above-referenced contract has been reviewed for compliance with the Minority-and Women-owned Business Enterprises (MBE/WBE) Ordinance and has been found to be responsive to the ordinance.

Contractor: Michael Baker International, Inc.
Contract Value: $4,796,720.00
Contract Goal: 35% MWBE Direct Participation
Anticipated Term: July1, 2023 – October 31, 2026
RFQ – Professional Services

MBE/WBE Firm	Status	Certifying Agency	Commitment (Direct)
The Roderick Group LLC dba Ardmore Roderick	MBE-AA-M	City of Chicago	10.33% $495,667.00
Material Service Testing, Inc.	MBE-AAPI-M	City of Chicago	7.01% $336,094.00
Program Management & Control Services	WBE-CF	City of Chicago	9.68% $464,282.00
APS Consulting, Inc.	MBE-AAPI-M	City of Chicago	8.00% $383,569.00
		MEWBE Total	**35.02% $1,679,612**

The Office of Contract Compliance has been advised by the Requesting Department that no other proposers are being recommended for award. Original MBE and WBE forms were used in the determination of the responsiveness of this contract.

Sincerely,

Jeanetta Cardine

Jeanetta Cardine
Contract Compliance Deputy Director
DB/jc

CC:Cho NG
Pui Szeto

MBE/WBE UTILIZATION PLAN - FORM 1

BIDDER/PROPOSER HEREBY STATES that all MBE/WBE firms included in this Plan are certified MBEs/WBEs by at least one of the entities listed in the General Conditions – Section 19.

I. BIDDER/PROPOSER MBE/WBE STATUS: (check the appropriate line)

☐ Bidder/Proposer is a certified MBE or WBE firm. (If so, attach copy of current Letter of Certification)

☐ Bidder/Proposer is a Joint Venture and one or more Joint Venture partners are certified MBEs or WBEs. (If so, attach copies of Letter(s) of Certification, a copy of Joint Venture Agreement clearly describing the role of the MBE/WBE firm(s) and its ownership interest in the Joint Venture and a completed Joint Venture Affidavit – available online at www.cookcountyil.gov/contractcompliance)

☑ Bidder/Proposer is not a certified MBE or WBE firm, nor a Joint Venture with MBE/WBE partners, but will utilize MBE and WBE firms either directly or indirectly in the performance of the Contract. (If so, complete Sections II below and the Letter(s) of Intent – Form 2).

II. [X] **Direct Participation of MBE/WBE Firms** ☐ **Indirect Participation of MBE/WBE Firms**

NOTE: Where goals have not been achieved through direct participation, Bidder/Proposer shall include documentation outlining efforts to achieve Direct Participation at the time of Bid/Proposal submission. Indirect Participation will only be considered after all efforts to achieve Direct Participation have been exhausted. Only after written documentation of Good Faith Efforts is received will Indirect Participation be considered.

MBEs/WBEs that will perform as subcontractors/suppliers/consultants include the following:

MBE/WBE Firm: APS Consulting, Inc.

Address: 5519 N. Cumberland, Suite 1011, Chicago IL 60656

E-mail: sjoshi@apsae.com

Contact Person: Shakti Joshi Phone: 312-324-0336

Dollar Amount Participation: $383,569

Percent Amount of Participation: 8.00 %

*Letter of Intent attached? Yes X No _____
*Current Letter of Certification attached? Yes X No _____

MBE/WBE Firm: _____

Address: _____

E-mail: _____

Contact Person: _____ Phone: _____

Dollar Amount Participation: $_____

Percent Amount of Participation: _____%

*Letter of Intent attached? Yes _____ No _____
*Current Letter of Certification attached? Yes _____ No _____

Attach additional sheets as needed.

*** Letter(s) of Intent and current Letters of Certification must be submitted at the time of bid.**

MBE/WBE LETTER OF INTENT - FORM 2

M/WBE Firm: APS Consulting, Inc.

Contact Person: Shakti Joshi

Address: 5519 N Cumberland, 1011

City/State: Chicago Zip: _____

Phone: (312) 324 0336 Fax: (312) 324 0337

Email: sjoshi@apsae.com

Certifying Agency: Chicago DPS

Certification Expiration Date: 07/01/2023

Ethnicity: Asian Indian

Bid/Proposal/Contract #: 2238-06220

FEIN #: 204223984

Participation: ☑ Direct ☐ Indirect

Will the M/WBE firm be subcontracting any of the goods or services of this contract to another firm?

☑ No ☐ Yes – Please attach explanation. Proposed Subcontractor(s): _____

The undersigned M/WBE is prepared to provide the following Commodities/Services for the above named Project/ Contract: *(If more space is needed to fully describe M/WBE Firm's proposed scope of work and/or payment schedule, attach additional sheets)*

Construction Inspection

Indicate the **Dollar Amount**, **Percentage**, and the **Terms of Payment** for the above-described Commodities/ Services:

$383,569.00, 8%, Terms of Payment per Sub-Prime Agreement

THE UNDERSIGNED PARTIES AGREE that this Letter of Intent will become a binding Subcontract Agreement for the above work, conditioned upon (1) the Bidder/Proposer's receipt of a signed contract from the County of Cook; (2) Undersigned Subcontractor remaining compliant with all relevant credentials, codes, ordinances and statutes required by Contractor, Cook County, and the State to participate as a MBE/WBE firm for the above work. The Undersigned Parties do also certify that they did not affix their signatures to this document until all areas under Description of Service/ Supply and Fee/Cost were completed.

Signature (*M/WBE*)

Shakti Joshi

Print Name

APS Consulting, Inc.

Firm Name

04/24/2023

Date

Subscribed and sworn before me

this 24 day of April, 2023.

Notary Public _____

SEAL

"OFFICIAL SEAL"
VICTORIA HERNANDEZ
NOTARY PUBLIC, STATE OF ILLINOIS
My Commission Expires 06/08/2024

Signature (*Prime Bidder/Proposer*)

Joseph Catalano, PE

Print Name

Michael Baker International

Firm Name

April 26th, 2023

Date

Subscribed and sworn before me

this 26th day of April, 2023.

Notary Public L. Rodriguez

SEAL

L. RODRIGUEZ
OFFICIAL SEAL
Notary Public - State of Illinois
My Commission Expires Sep 18, 2024

DEPARTMENT OF PROCUREMENT SERVICES

CITY OF CHICAGO

JUL 10 2018

Shakti S. Joshi
APS Consulting, Inc.
5519 N. Cumberland, Ste. #1011
Chicago, IL 60656

Dear Shakti S. Joshi:

We are pleased to inform you that **APS Consulting, Inc.** has been recertified as a **Minority-Owned Business Enterprise ("MBE")** by the City of Chicago ("City"). This **MBE** certification is valid until **7/1/2023**; however your firm's certification must be revalidated annually. In the past the City has provided you with an annual letter confirming your certification; such letters will no longer be issued. As a consequence, we require you to be even more diligent in filing your **annual No-Change Affidavit 60 days** before your annual anniversary date.

It is now your responsibility to check the City's certification directory and verify your certification status. As a condition of continued certification during the five year period stated above, you must file an annual No-Change Affidavit. Your firm's **annual No-Change Affidavit** is due by **7/1/2019, 7/1/2020, 7/1/2021, and 7/1/2022.** Please remember, you have an affirmative duty to file your **No-Change Affidavit 60 days** prior to the date of expiration. Failure to file your annual No-Change Affidavit may result in the suspension or rescission of your certification.

Your firm's five year certification will expire on **7/1/2023**. You have an affirmative duty to file for recertification **60 days** prior to the date of the five year anniversary date. Therefore, you must file for recertification by **5/1/2023.**

It is important to note that you also have an ongoing affirmative duty to notify the City of any changes in ownership or control of your firm, or any other fact affecting your firm's eligibility for certification **within 10 days** of such change. These changes may include but are not limited to a change of address, change of business structure, change in ownership or ownership structure, change of business operations, gross receipts and or personal net worth that exceed the program threshold. Failure to provide the City with timely notice of such changes may result in the suspension or rescission of your certification. In addition, you may be liable for civil penalties under Chapter 1-22, "False Claims", of the Municipal Code of Chicago.

Please note – you shall be deemed to have had your certification lapse and will be ineligible to participate as a **MBE** if you fail to:

- File your annual No-Change Affidavit within the required time period;

- Provide financial or other records requested pursuant to an audit within the required time period;
- Notify the City of any changes affecting your firm's certification **within 10 days** of such change; or
- File your recertification within the required time period.

Please be reminded of your contractual obligation to cooperate with the City with respect to any reviews, audits or investigation of its contracts and affirmative action programs. We strongly encourage you to assist us in maintaining the integrity of our programs by reporting instances or suspicions of fraud or abuse to the **City's Inspector General at chicagoinspectorgeneral.org, or 866-IG-TIPLINE (866-448-4754).**

Be advised that if you or your firm is found to be involved in certification, bidding and/or contractual fraud or abuse, the City will pursue decertification and debarment. In addition to any other penalty imposed by law, any person who knowingly obtains, or knowingly assists another in obtaining a contract with the City by falsely representing the individual or entity, or the individual or entity assisted is guilty of a misdemeanor, punishable by incarceration in the county jail for a period not to exceed six months, or a fine of not less than $5,000 and not more than $10,000 or both.

Your firm's name will be listed in the City's Directory of Minority and Women-Owned Business Enterprises in the specialty area(s) of:

NAICS Code(s):
541330 - Civil engineering services
541330 - Construction engineering services

Your firm's participation on City contracts will be credited only toward **Minority-Owned Business Enterprise** goals in your area(s) specialty. While your participation on City contracts is not limited to your area of specialty, credit toward goals will be given only for work that is self-performed and providing a commercially useful function that is done in the approved specialty category.

Thank you for your interest in the City's Minority, Women-Owned Business Enterprise, Veteran-Owned Business Enterprise and Business Enterprise Owned or Operated by People with Disabilities (MBE/WBE/VBE/BEPD) Program.

Sincerely,

Rich Butler
First Deputy Procurement Officer
RB/lj

MBE/WBE UTILIZATION PLAN - FORM 1

BIDDER/PROPOSER HEREBY STATES that all MBE/WBE firms included in this Plan are certified MBEs/WBEs by at least one of the entities listed in the General Conditions – Section 19.

I. **BIDDER/PROPOSER MBE/WBE STATUS:** (check the appropriate line)

☐ Bidder/Proposer is a certified MBE or WBE firm. (If so, attach copy of current Letter of Certification)

☐ Bidder/Proposer is a Joint Venture and one or more Joint Venture partners are certified MBEs or WBEs. (If so, attach copies of Letter(s) of Certification, a copy of Joint Venture Agreement clearly describing the role of the MBE/WBE firm(s) and its ownership interest in the Joint Venture and a completed Joint Venture Affidavit – available online at www.cookcountyil.gov/contractcompliance)

☑ Bidder/Proposer is not a certified MBE or WBE firm, nor a Joint Venture with MBE/WBE partners, but will utilize MBE and WBE firms either directly or indirectly in the performance of the Contract. (If so, complete Sections II below and the Letter(s) of Intent – Form 2).

II. [X] **Direct Participation of MBE/WBE Firms** [ ] **Indirect Participation of MBE/WBE Firms**

NOTE: Where goals have not been achieved through direct participation, Bidder/Proposer shall include documentation outlining efforts to achieve Direct Participation at the time of Bid/Proposal submission. Indirect Participation will only be considered after all efforts to achieve Direct Participation have been exhausted. Only after written documentation of Good Faith Efforts is received will Indirect Participation be considered.

MBEs/WBEs that will perform as subcontractors/suppliers/consultants include the following:

MBE/WBE Firm: The Roderick Group, Inc. dba Ardmore Roderick

Address: 1500 W. Carroll Ave, Suite 300

E-mail: rashod@ardmoreroderick.com

Contact Person: Rashod R. Johnson Phone: 312 - 795 -1400

Dollar Amount Participation: $ 495,667

Percent Amount of Participation: 10.33 %

*Letter of Intent attached? Yes X No _____
*Current Letter of Certification attached? Yes X No _____

MBE/WBE Firm: _____

Address: _____

E-mail: _____

Contact Person: _____ Phone: _____

Dollar Amount Participation: $ _____

Percent Amount of Participation: _____ %

*Letter of Intent attached? Yes _____ No _____
*Current Letter of Certification attached? Yes _____ No _____

Attach additional sheets as needed.

*** Letter(s) of Intent and current Letters of Certification must be submitted at the time of bid.**

MBE/WBE LETTER OF INTENT - FORM 2

M/WBE Firm: The Roderick Group, Inc. dba Ardmore Roderick

Certifying Agency: City of Chicago

Contact Person: Rashod R. Johnson

Certification Expiration Date: 06/01/2025

Address: 1500 W, Carroll Ave, Suite 300

Ethnicity: African - American

City/State: Chicago / IL Zip: 60607

Bid/Proposal/Contract #: 2238-06220

Phone: 312-795-1400 Fax: _____

FEIN #: 20-3036399

Email: mburns@ardmoreroderick.com

Participation: ☑ Direct ☐ Indirect

Will the M/WBE firm be subcontracting any of the goods or services of this contract to another firm?

☑ No ☐ Yes – Please attach explanation. Proposed Subcontractor(s): _____

The undersigned M/WBE is prepared to provide the following Commodities/Services for the above named Project/ Contract: *(If more space is needed to fully describe M/WBE Firm's proposed scope of work and/or payment schedule, attach additional sheets)*

Construction Inspection and Land Surveying Services

Indicate the **Dollar Amount**, **Percentage**, and the **Terms of Payment** for the above-described Commodities/ Services:

$495,667, 10.33%, Terms of payment per Sub-Prime agreement

THE UNDERSIGNED PARTIES AGREE that this Letter of Intent will become a binding Subcontract Agreement for the above work, conditioned upon (1) the Bidder/Proposer's receipt of a signed contract from the County of Cook; (2) Undersigned Subcontractor remaining compliant with all relevant credentials, codes, ordinances and statutes required by Contractor, Cook County, and the State to participate as a MBE/WBE firm for the above work. The Undersigned Parties do also certify that they did not affix their signatures to this document until all areas under Description of Service/ Supply and Fee/Cost were completed.

Signature (*M/WBE*)

Rashod R. Johnson

Print Name

The Roderick Group, Inc. dba Ardmore Roderick

Firm Name

4-25-23

Date

Subscribed and sworn before me

this 25th day of April, 2023.

Notary Public Mary Ann Ciaravino

MARY ANN CIARAVINO
OFFICIAL SEAL
Notary Public - State of Illinois
My Commission Expires
June 17, 2024

Signature (*Prime Bidder/Proposer*)

Joseph Catalano, PE

Print Name

Michael Baker International

Firm Name

April 26,th 2023

Date

Subscribed and sworn before me

this 26th day of April, 2023.

Notary Public L. Rodriguez

SEAL

L. RODRIGUEZ
OFFICIAL SEAL
Notary Public - State of Illinois
My Commission Expires Sep 18, 2024

CITY OF CHICAGO

DEPARTMENT OF PROCUREMENT SERVICES

SEP 0 8 2021

Rashod Johnson
The Roderick Group, Inc. dba Ardmore Roderick
1500 W. Carroll Ave. Suite 300
Chicago, Illinois 60607

Re: Change in Address

Dear Mr. Johnson:

We are pleased to inform you that we have updated your certification to reflect your firm's change in address. **The Roderick Group, Inc. dba Ardmore Roderick** continues to be certified as a **Minority-Owned Business Enterprise ("MBE")** by the City of Chicago ("City"). This **MBE** certification is valid until **6/1/2025**; however, your firm's certification must be revalidated annually. In the past the City has provided you with an annual letter confirming your certification; such letters will no longer be issued. Therefore, we require you to be even more diligent in filing your **annual No-Change Affidavit 60 days** before your annual anniversary date.

It is now your responsibility to check the City's certification directory and verify your certification status. As a condition of continued certification during the five year period stated above, you must file an **annual No-Change Affidavit**. Your firm's annual No-Change Affidavit is due by **6/1/2022, 6/1/2023 and 6/1/2024**. Please remember, you have an affirmative duty to file your No-Change Affidavit 60 days prior to the date of expiration. Failure to file your annual No-Change Affidavit may result in the suspension or rescission of your certification.

Your firm's five year certification will expire on **6/1/2025**. You have an affirmative duty to file for recertification **60 days** prior to the date of the five year anniversary date. Therefore, you must file for recertification by **4/1/2025.**

It is important to note that you also have an ongoing affirmative duty to notify the City of any changes in ownership or control of your firm, or any other fact affecting your firm's eligibility for certification **within 10 days** of such change. These changes may include but are not limited to a change of address, change of business structure, change in ownership or ownership structure, change of business operations, gross receipts and or personal net worth that exceed the program threshold. Failure to provide the City with timely notice of such changes may result in the suspension or rescission of your certification. In addition, you may be liable for civil penalties under Chapter 1-22, "False Claims", of the Municipal Code of Chicago.

Please note – you shall be deemed to have had your certification lapse and will be ineligible to participate as a **MBE** if you fail to:

- File your annual No-Change Affidavit within the required time period;

- Provide financial or other records requested pursuant to an audit within the required time period;
- Notify the City of any changes affecting your firm's certification **within 10 days** of such change; or
- File your recertification within the required time period.

Please be reminded of your contractual obligation to cooperate with the City with respect to any reviews, audits or investigation of its contracts and affirmative action programs. We strongly encourage you to assist us in maintaining the integrity of our programs by reporting instances or suspicions of fraud or abuse to the **City's Inspector General at chicagoinspectorgeneral.org, or 866-IG-TIPLINE (866-448-4754).**

Be advised that if you or your firm is found to be involved in certification, bidding and/or contractual fraud or abuse, the City will pursue decertification and debarment. In addition to any other penalty imposed by law, any person who knowingly obtains, or knowingly assists another in obtaining a contract with the City by falsely representing the individual or entity, or the individual or entity assisted is guilty of a misdemeanor, punishable by incarceration in the county jail for a period not to exceed six months, or a fine of not less than $5,000 and not more than $10,000 or both.

Your firm's name will be listed in the City's Directory of Minority and Women-Owned Business Enterprises in the specialty area(s) of:

NAICS Code(s):
236220 – Commercial and Institutional Building; Construction Management
237130 – Power and Communication Transmission Line; Construction Management
237310 – Highway, Road, Street and Bridge; Construction Management
237990 – Mass Transit; Construction Management
541330 – Civil Engineering Services
541330 – Engineering Design Services
541330 – Engineering Services
541370 – Surveying and Mapping Services (except geophysical)
541611 – Administrative and General Management Consulting Services

Your firm's participation on City contracts will be credited only toward **MBE** goals in your area(s) specialty. While your participation on City contracts is not limited to your area of specialty, credit toward goals will be given only for work that is self-performed and providing a commercially useful function that is done in the approved specialty category.

Thank you for your interest in the City's Minority, Women-Owned Business Enterprise, Veteran-Owned Business Enterprise and Business Enterprise Owned or Operated by People with Disabilities (MBE/WBE/VBE/BEPD) Program.

Sincerely,

Monica Jimenez
Acting Chief Procurement Officer

MJ/vlw

MBE/WBE UTILIZATION PLAN - FORM 1

BIDDER/PROPOSER HEREBY STATES that all MBE/WBE firms included in this Plan are certified MBEs/WBEs by at least one of the entities listed in the General Conditions – Section 19.

I. **BIDDER/PROPOSER MBE/WBE STATUS:** (check the appropriate line)

☐ Bidder/Proposer is a certified MBE or WBE firm. (If so, attach copy of current Letter of Certification)

☐ Bidder/Proposer is a Joint Venture and one or more Joint Venture partners are certified MBEs or WBEs. (If so, attach copies of Letter(s) of Certification, a copy of Joint Venture Agreement clearly describing the role of the MBE/WBE firm(s) and its ownership interest in the Joint Venture and a completed Joint Venture Affidavit – available online at www.cookcountyil.gov/contractcompliance)

☑ Bidder/Proposer is not a certified MBE or WBE firm, nor a Joint Venture with MBE/WBE partners, but will utilize MBE and WBE firms either directly or indirectly in the performance of the Contract. (If so, complete Sections II below and the Letter(s) of Intent – Form 2).

II. [X] **Direct Participation of MBE/WBE Firms** ☐ **Indirect Participation of MBE/WBE Firms**

NOTE: Where goals have not been achieved through direct participation, Bidder/Proposer shall include documentation outlining efforts to achieve Direct Participation at the time of Bid/Proposal submission. Indirect Participation will only be considered after all efforts to achieve Direct Participation have been exhausted. Only after written documentation of Good Faith Efforts is received will Indirect Participation be considered.

MBEs/WBEs that will perform as subcontractors/suppliers/consultants include the following:

MBE/WBE Firm: Material Service Testing, Inc.

Address: 1327 W. Washington Blvd., Suite 105

E-mail: jkrozel@mstli.com

Contact Person: Jeffrey Krozel Phone: 312-846-6246

Dollar Amount Participation: $336,094

Percent Amount of Participation: 7.01 %

*Letter of Intent attached? Yes X No _____
*Current Letter of Certification attached? Yes X No _____

MBE/WBE Firm: _____

Address: _____

E-mail: _____

Contact Person: _____ Phone: _____

Dollar Amount Participation: $_____

Percent Amount of Participation: _____ %

*Letter of Intent attached? Yes _____ No _____
*Current Letter of Certification attached? Yes _____ No _____

Attach additional sheets as needed.

*** Letter(s) of Intent and current Letters of Certification must be submitted at the time of bid.**

MBE/WBE LETTER OF INTENT - FORM 2

M/WBE Firm: Material Service Testing

Contact Person: Jeffrey Krozel

Address: 1327 W. Washington Blvd., Suite 105

City/State: Chicago Zip: 60607

Phone: 312-846-6246 Fax: 847-787-0321

Email: jkrozel@mstli.com

Participation: ☑ Direct ☐ Indirect

Certifying Agency: City of Chicago

Certification Expiration Date: 11/01/27

Ethnicity: Asian American

Bid/Proposal/Contract #: 2238-06220

FEIN #: 27-1261603

Will the M/WBE firm be subcontracting any of the goods or services of this contract to another firm?

☑ No ☐ Yes – Please attach explanation. Proposed Subcontractor(s): _____

The undersigned M/WBE is prepared to provide the following Commodities/Services for the above named Project/ Contract: *(If more space is needed to fully describe M/WBE Firm's proposed scope of work and/or payment schedule, attach additional sheets)*

Quality Assurance Material Testing Services

Indicate the **Dollar Amount**, **Percentage**, and the **Terms of Payment** for the above-described Commodities/ Services:

$336,094, 7.01%. Terms of Payment per Sub-Prime Agreement.

THE UNDERSIGNED PARTIES AGREE that this Letter of Intent will become a binding Subcontract Agreement for the above work, conditioned upon (1) the Bidder/Proposer's receipt of a signed contract from the County of Cook; (2) Undersigned Subcontractor remaining compliant with all relevant credentials, codes, ordinances and statutes required by Contractor, Cook County, and the State to participate as a MBE/WBE firm for the above work. The Undersigned Parties do also certify that they did not affix their signatures to this document until all areas under Description of Service/ Supply and Fee/Cost were completed.

Signature (*M/WBE*)

Jeffrey Krozel

Print Name

Material Service Testing, Inc.

Firm Name

04/25/2023

Date

Subscribed and sworn before me

this 25 day of April, 2023.

Notary Public _____

OFFICIAL SEAL
MARIA KOCHEROVA
NOTARY PUBLIC, STATE OF ILLINOIS
MY COMMISSION EXPIRES 10/14/2026

SEAL

Signature (*Prime Bidder/Proposer*)

Joseph Catalano, PE

Print Name

Michael Baker International

Firm Name

April 26th 2023

Date

Subscribed and sworn before me

this 26th day of April, 2023.

Notary Public _____

L. RODRIGUEZ
OFFICIAL SEAL
Notary Public - State of Illinois
My Commission Expires Sep 18, 2024

SEAL

Certified Profile

CLOSE WINDOW

BUSINESS NAME	**Material Service Testing, Inc.**
OWNER	**Mr. Clayton Hamano**
ADDRESS	**1327 West Washington Blvd., Ste 105** **Chicago, IL 60607-3571** [map]
PHONE	**312-846-6246**
FAX	**847-787-0321**
EMAIL	**chamano@mstli.com**
ETHNICITY	**Asian American**

Certification Information

CERTIFYING AGENCY	**City of Chicago**
CERTIFICATION TYPE	**MBE - Minority Business Enterprise**
CERTIFICATION DATE	**11/21/2022**
RENEWAL DATE	**11/1/2023**
EXPIRATION DATE	**11/1/2027**
CERTIFIED BUSINESS DESCRIPTION	**NAICS 541330 Engineering services** **NAICS 541380 Laboratory testing**

MBE/WBE UTILIZATION PLAN - FORM 1

BIDDER/PROPOSER HEREBY STATES that all MBE/WBE firms included in this Plan are certified MBEs/WBEs by at least one of the entities listed in the General Conditions – Section 19.

I. **BIDDER/PROPOSER MBE/WBE STATUS:** (check the appropriate line)

☐ Bidder/Proposer is a certified MBE or WBE firm. (If so, attach copy of current Letter of Certification)

☐ Bidder/Proposer is a Joint Venture and one or more Joint Venture partners are certified MBEs or WBEs. (If so, attach copies of Letter(s) of Certification, a copy of Joint Venture Agreement clearly describing the role of the MBE/WBE firm(s) and its ownership interest in the Joint Venture and a completed Joint Venture Affidavit – available online at www.cookcountyil.gov/contractcompliance)

☑ Bidder/Proposer is not a certified MBE or WBE firm, nor a Joint Venture with MBE/WBE partners, but will utilize MBE and WBE firms either directly or indirectly in the performance of the Contract. (If so, complete Sections II below and the Letter(s) of Intent – Form 2).

II. [X] **Direct Participation of MBE/WBE Firms** [ ] **Indirect Participation of MBE/WBE Firms**

NOTE: Where goals have not been achieved through direct participation, Bidder/Proposer shall include documentation outlining efforts to achieve Direct Participation at the time of Bid/Proposal submission. Indirect Participation will only be considered after all efforts to achieve Direct Participation have been exhausted. Only after written documentation of Good Faith Efforts is received will Indirect Participation be considered.

MBEs/WBEs that will perform as subcontractors/suppliers/consultants include the following:

MBE/WBE Firm: Program Management & Control Services, LLC

Address: 102 W. Burlington Ave., Suite 1, La Grange, IL 60525

E-mail: tom@pmcsconsulting.com

Contact Person: Tom Nutter Phone: 773-908-6946

Dollar Amount Participation: $464,282

Percent Amount of Participation: 9.67 %

*Letter of Intent attached? Yes X No _____
*Current Letter of Certification attached? Yes X No _____

MBE/WBE Firm: _____

Address: _____

E-mail: _____

Contact Person: _____ Phone: _____

Dollar Amount Participation: $_____

Percent Amount of Participation: _____ %

*Letter of Intent attached? Yes _____ No _____
*Current Letter of Certification attached? Yes _____ No _____

Attach additional sheets as needed.

*** Letter(s) of Intent and current Letters of Certification must be submitted at the time of bid.**

MBE/WBE LETTER OF INTENT - FORM 2

M/WBE Firm: Program Management & Control Services, LLC

Certifying Agency: City of Chicago

Contact Person: Tom Nutter

Certification Expiration Date: n/a (no expiration date)

Address: 102 W. Burlington Ave.

Ethnicity: Caucasian

City/State: 773-908-6946 Zip: _____

Bid/Proposal/Contract #: RFQ 2238-06220

Phone: 773-908-6946 Fax: _____

FEIN #: 20-2840292

Email: tom@pmcsconsulting.com

Participation: ☑ Direct ☐ Indirect

Will the M/WBE firm be subcontracting any of the goods or services of this contract to another firm?

☑ No ☐ Yes – Please attach explanation. Proposed Subcontractor(s): _____

The undersigned M/WBE is prepared to provide the following Commodities/Services for the above named Project/ Contract: *(If more space is needed to fully describe M/WBE Firm's proposed scope of work and/or payment schedule, attach additional sheets)*

Construction Inspection and Quality Assurance

Indicate the **Dollar Amount**, **Percentage**, and the **Terms of Payment** for the above-described Commodities/ Services:

$464,282, 9.67%, Terms of Payment per Sub-Prime Agreement.

THE UNDERSIGNED PARTIES AGREE that this Letter of Intent will become a binding Subcontract Agreement for the above work, conditioned upon (1) the Bidder/Proposer's receipt of a signed contract from the County of Cook; (2) Undersigned Subcontractor remaining compliant with all relevant credentials, codes, ordinances and statutes required by Contractor, Cook County, and the State to participate as a MBE/WBE firm for the above work. The Undersigned Parties do also certify that they did not affix their signatures to this document until all areas under Description of Service/ Supply and Fee/Cost were completed.

Signature (*M/WBE*)

Thomas Nutter

Print Name

Program Management & Control Services, LLC

Firm Name

April 24, 2023

Date

Subscribed and sworn before me

this 24th day of April, 2023.

Notary Public Sally A. Orozco

SEAL

SALLY A OROZCO
Official Seal
Notary Public - State of Illinois
My Commission Expires Oct 21, 2024

Signature (*Prime Bidder/Proposer*)

Joseph Catalano, PE

Print Name

Michael Baker International

Firm Name

April 26th, 2023

Date

Subscribed and sworn before me

this 26th day of April, 2023.

Notary Public L. Rodriguez

SEAL

L. RODRIGUEZ
OFFICIAL SEAL
Notary Public - State of Illinois
My Commission Expires Sep 18, 2024

Revised: 1/29/14

CITY OF CHICAGO

DEPARTMENT OF PROCUREMENT SERVICES

JUN 07 2022

Nicole Nutter
Program Management & Control Services LLC
102 W. Burlington Ave., Suite 1
LaGrange, Illinois 60525

Re: Change in Ownership

Dear Ms. Nutter:

We are pleased to inform you that we have updated your certification to reflect your firm's change in ownership. **Program Management & Control Services, LLC** continues to be certified as a **Women-Owned Business Enterprise ("WBE")** by the City of Chicago ("City"). This certification will remain effective for as long as your firm continues to meet all certification eligibility requirements and is contingent upon the firm affirming its eligibility by filing an **annual No-Change Affidavit** each year. In the past, the City has provided you with an annual letter confirming your certification; such letters will no longer be issued. Therefore, we require you to be even more diligent in filing your **annual No-Change Affidavit 60 days** before your annual anniversary date.

It is now your responsibility to check the City's certification directory and verify your certification status. As a condition of continued certification, you must **file an annual No-Change Affidavit by your anniversary date of January 15th.** Please remember, you have an affirmative duty to file your No-Change Affidavit 60 days prior to the anniversary date for timely processing. Failure to file your annual No-Change Affidavit may result in the suspension or rescission of your certification.

It is important to note that you also have an ongoing affirmative duty to notify the City of any changes in ownership or control of your firm, or any other fact affecting your firm's eligibility for certification **within 10 days** of such change. These changes may include but are not limited to a change of address, change of business structure, change in ownership or ownership structure, change of business operations, gross receipts and or personal net worth that exceed the program threshold. Failure to provide the City with timely notice of such changes may result in the suspension or rescission of your certification. In addition, you may be liable for civil penalties under Chapter 1-22, "False Claims", of the Municipal Code of Chicago.

Please note – you shall be deemed to have had your certification lapse and will be ineligible to participate as a **WBE** if you fail to:

I. POLICY AND GOALS

A. It is the policy of the County of Cook to prevent discrimination in the award of or participation in County Contracts and to eliminate arbitrary barriers for participation in such Contracts by local businesses certified as a Minority Business Enterprise (MBE) and Women-owned Business Enterprise (WBE) as both prime and sub-contractors. In furtherance of this policy, the Cook County Board of Commissioners has adopted a Minority- and Women-owned Business Enterprise Ordinance (the "Ordinance") which establishes annual goals for MBE and WBE participation as outlined below:

Contract Type	**Goals**	
	MBE	**WBE**
Goods and Services	25%	10%
Construction	24%	10%
Professional Services	35% Overall	

B. **The County shall set contract-specific goals, based on the availability of MBEs and WBEs that are certified to provide commodities or services specified in this solicitation document. The MBE/WBE participation goals for this Agreement is [thirty-five percent (35%)].** A Bid, Quotation, or Proposal shall be rejected if theCounty determines that it fails to comply with this General Condition in any way,including but not limited to: (i) failing to state an enforceable commitment to achieve for this contract the identified MBE/WBE Contract goals; or (ii) failing to include a Petition for Reduction/Waiver, which states that the goals for MBE/WBE participation are not attainable despite the Bidder or Proposer Good Faith Efforts, and explains why. If a Bid, Quotation, or Proposal is rejected, then a new Bid, Quotation, or Proposal may besolicited if the public interest is served thereby.

C. To the extent that a Bid, Quotation, or Proposal includes a Petition for Reduction/Waiver that is approved by the Office of Contract Compliance, the Contract specific MBE and WBE participation goals may be achieved by the proposed Bidder or Proposer's status as an MBE or WBE; by the Bidder or Proposer's enforceable joint-venture agreement with one or more MBEs and/or WBEs; by the Bidder or Proposer entering into one or more enforceable subcontracting agreements with one or more MBE and WBE; by the Bidder or Proposer establishing and carrying out an enforceable mentor/protégé agreement with one or more MBE and WBE; by the Bidder or Proposer actively engaging the Indirect Participation of one or more MBE and WBE in other aspects of its business; or by any combination of the foregoing, so long as the Utilization Plan evidences a commitment to meet the MBE and WBE Contract goals set forth in (B) above, as approved by the Office of Contract Compliance.

D. A single Person, as defined in the Procurement Code, may not be utilized as both an MBE and a WBE on the same Contract, whether as a Consultant, Subcontractor or supplier.

E. Unless specifically waived in the Bid or Proposal Documents, this Exhibit; the Ordinance; and the policies and procedures promulgated thereunder shall govern. If there is a conflict between this Exhibit and the Ordinance or the policies and procedures, the Ordinance shall control.

F. A Consultant's failure to carry out its commitment regarding MBE and WBE participation in the course of the Contract's performance may constitute a material breach of the Contract. If such breach is not appropriately cured, it may result in withholding of payments under the Contract, contractual penalties, disqualification and any other remedy provided for in Division 4 of the Procurement Code at law or in equity.

II. REQUIRED BID OR PROPOSAL SUBMITTALS

A Bidder or Proposer shall document its commitment to meeting the Contract specific MBE and WBE participation goals by submitting a Utilization Plan with the Bid or Proposal. The Utilization Plan shall include (1) one or more Letter(s) of Intent from the relevant MBE andWBE firms; and (2) current Letters of Certification as an MBE or WBE. Alternatively, the Bidder or Proposer shall submit (1) a written Petition for Reduction/Waiver with the Bid,Quotation or Proposal, which documents its preceding Good Faith Efforts and an explanation of its inability to meet the goals for MBE and WBE participation. The Utilization Plan shall be submitted at the time that the bid or proposal is due. **Failure to include a Utilization Plan will render the submission not Responsive and shall be cause for the CPO to reject the Bid or Proposal.**

A. MBE/WBE Utilization Plan

Each Bid or Proposal shall include a complete Utilization Plan, as set forth on Form 1 of the M/WBE Compliance Forms. The Utilization Plan shall include the name(s), mailing address, email address, and telephone number of the principal contact person of the relevant MBE and WBE firms. If the Bidder or Proposer submits a Bid or Proposal, and any of their subconsultants, suppliers or consultants, are certified MBE or WBE firms, they shall be identified as an MBE or WBE within the Utilization Plan.

1. Letter(s) of Intent

Except as set forth below, a Bid or Proposal shall include, as part of the Utilization Plan, one or more Letter(s) of Intent, as set forth on Form 2 of the M/WBE Compliance Forms, executed by each MBE and WBE and the Bidder or Proposer. The Letter(s) of Intent will be used to confirm that each MBE and WBE shall perform work as a Subcontractor, supplier, joint venture, or consultant on the Contract. Each Letter of Intent shall indicate whether and the degree to which the MBE or WBE will provide goods or services directly or indirectly during the term of the Contract. The box for direct participation shall be marked if the proposed MBE or WBE will provide goods or services directly related to the scope of the Contract. The box for Indirect participation shall be marked if the proposed MBE or WBE will not be directly involved in the Contract but will be utilized by the Bidder or Proposer for other services not related to the Contract. Indirect

Participation shall not be counted toward the participation goal. Each Letter of Intent shall accurately detail the work to be performed by the relevant MBE or WBE firm, the agreed dollar amount, the percentage of work, and the terms of payment.

Failure to include Letter(s) of Intent will render the submission not Responsive and shall be cause for the CPO to reject the Bid or Proposal.

All Bids and Proposals must conform to the commitments made in the corresponding Letter(s) of Intent, as may be amended through change orders.

The Contract Compliance Director may at any time request supplemental information regarding Letter(s) of Intent, and such information shall be furnished if the corresponding Bid or Proposal is to be deemed responsive.

2. Letter(s) of Certification

Only current Letter(s) of Certification from one of the following entities may be accepted as proof of certification for MBE/WBE status, provided that Cook County's requirements for certification are met:

- County of Cook
- City of Chicago

Persons that are currently certified by the City of Chicago in any area other than Construction/Public Works shall also complete and submit a MBE/WBE Reciprocal Certification Affidavit along with a current letter of certification from the City of Chicago. This Affidavit form can be downloaded from www.cookcountyil.gov/contractcompliance.

The Contract Compliance Director may reject the certification of any MBE or WBE on the ground that it does not meet the requirements of the Ordinance, or the policies and rules promulgated thereunder.

3. Joint Venture Affidavit

In the event a Bid or Proposal achieves MBE and/or WBE participation through a Joint Venture, the Bid or Proposal shall include the required Joint Venture Affidavit, which can be downloaded from www.cookcountyil.gov/contractcompliance. The Joint Venture Affidavit shall be submitted with the Bid or Proposal, along with current Letter(s) of Certification.

B. Petition for Reduction/Waiver

In the event a Bid or Proposal does not meet the Contract specific goals for MBE and WBE participation, the Bid or Proposal shall include a Petition for Reduction/Waiver, as set forth on Form 3. The Petition for Reduction/Waiver shall be supported by sufficient

evidence and documentation to demonstrate the Bidder or Proposer's Good Faith Efforts in attempting to achieve the applicable MBE and WBE goals, and its inability to do so despite its Good Faith Efforts.

Failure to include Petition for Reduction/Waiver will render the submission not Responsive and shall be cause for the CPO to reject the Bid or Proposal.

III. REDUCTION/WAIVER OF MBE/WBE GOALS

A. Granting or Denying a Reduction/Waiver Request.

1. The adequacy of the Good Faith Efforts to utilize MBE and WBE firms in a Bid or Proposal will be evaluated by the CCD under such conditions as are set forth in the Ordinance, the policies and rules promulgated thereunder, and in the "Petition for Reduction/Waiver of MBE/WBE Participation Goals" – Form 3 of the M/WBE Compliance Forms.

2. With respect to a Petition for Reduction/Waiver, the sufficiency or insufficiency of a Bidder or Proposer's Good Faith Efforts shall be evaluated by the CCD as of the date upon which the corresponding Bid or Proposal was due.

3. The Contract Compliance Director or his or her duly authorized Waiver Committee may grant or deny the Petition for Reduction/Waiver based upon factors including but not limited to: (a) whether sufficient qualified MBE and WBE firms are unavailable despite good faith efforts on the part of the Bidder or Proposer; (b) the degree to which specifications and the reasonable and necessary requirements for performing the Contract make it impossible or economically infeasible to divide the Contract into sufficiently small tasks or quantities so as to enable the Bidder or Proposer to utilize MBE and WBE firms in accordance with the applicable goals; (c) the degree to which the prices or prices required by any potential MBE or WBE are more that 10% above competitive levels; and (d) such other factors as are determined relevant by the Contract Compliance Director or the duly authorized Waiver Committee.

4. If the Contract Compliance Director or the duly authorized Waiver Committee determines that the Bidder or Proposer has not demonstrated sufficient Good Faith Efforts to meet the applicable MBE and WBE goals, the Contract Compliance Director or the duly authorized Waiver Committee may deny a Petition for Reduction/Waiver, declare the Bid or Proposal non-responsive, and recommend rejection of the Bid, Quotation, or Proposal.

IV. CHANGES IN CONSULTANT'S UTILIZATION PLAN

A. A Consultant, during its performance of the Contract, may not change the original MBE or WBE commitments specified in the relevant Utilization Plan, including but not limited to, terminating a MBE or WBE Contract, reducing the scope of the workto be performed by a MBE/WBE, or decreasing the price to a MBE/WBE, except as

otherwise provided by the Ordinance and according to the policies and procedures promulgated thereunder.

B. Where a Person listed under the Contract was previously considered to be a MBE or WBE but is later found not to be, or work is found not to be creditable toward the MBE or WBE goals as stated in the Utilization Plan, the Consultant shall seek to discharge the disqualified enterprise, upon proper written notification to the Contract Compliance Director, and make every effort to identify and engage a qualified MBE or WBE as its replacement. Failure to obtain an MBE or WBE replacement within 30 business days of the Contract Compliance Director's written approval of the removal of a purported MBE or WBE may result in the termination of the Contract or the imposition of such remedy authorized by the Ordinance, unless a written Petition for Reduction/Waiver is granted allowing the Consultant to award the work to a Person that is not certified as an MBE or WBE.

V. NON-COMPLIANCE

If the CCD determines that the Consultant has failed to comply with its contractual commitments or any portion of the Ordinance, the policies and procedures promulgated thereunder, or this Exhibit, the Contract Compliance Director shall notify the Consultant of such determination and may take any and all appropriate actions as set forth in the Ordinance or the policies and procedures promulgated thereunder which includes but is not limited to disqualification, penalties, withholding of payments or other remedies in law or equity.

VI. REPORTING/RECORD-KEEPING REQUIREMENTS

The Consultant shall comply with the reporting and record-keeping requirements in the manner and time established by the Ordinance, the policies and procedure promulgated thereunder, and the Contract Compliance Director. Failure to comply with such reporting and record-keeping requirements may result in a declaration of Contract default. Upon award of a Contract, a Consultant shall acquire and utilize all Cook County reporting and record-keeping forms and methods which are made available by the Office of Contract Compliance. MBE and WBE firms shall be required to verify payments made by and received from the prime Consultant.

VII. EQUAL EMPLOYMENT OPPORTUNITY

Compliance with MBE and WBE requirements will not diminish or supplant other legal Equal Employment Opportunity and Civil Rights requirements that relate to Consultant and Subcontractor obligations.

Any questions regarding this section should be directed to:
Contract Compliance Director
Cook County
118 North Clark Street, Room 1020
Chicago, Illinois 60602
(312) 603-5502

Exhibit 6

Evidence of Insurance

CERTIFICATE OF LIABILITY INSURANCE

DATE(MM/DD/YYYY)
04/26/2023

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

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

PRODUCER
Aon Risk Services Central, Inc.
Pittsburgh PA Office
EQT Plaza ~ Suite 2700
625 Liberty Avenue
Pittsburgh PA 15222-3110 USA

CONTACT NAME:
PHONE (A/C. No. Ext): (866) 283-7122 **FAX (A/C. No.):** (800) 363-0105
E-MAIL ADDRESS:

INSURER(S) AFFORDING COVERAGE		NAIC #
INSURER A:	XL Insurance America Inc	24554
INSURER B:	American Guarantee & Liability Ins Co	26247
INSURER C:	Allied World Surplus Lines Insurance Co	24319
INSURER D:	Zurich American Ins Co	16535
INSURER E:		
INSURER F:		

INSURED
Michael Baker International, Inc
200 West Adams Street, Suite 2800
Chicago IL 60606 USA

COVERAGES **CERTIFICATE NUMBER:** 570099183307 **REVISION NUMBER:**

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

Limits shown are as requested

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
D	X COMMERCIAL GENERAL LIABILITY			GLO419728101	08/30/2022	08/30/2023	EACH OCCURRENCE	$1,000,000
	CLAIMS-MADE X OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$1,000,000
							MED EXP (Any one person)	$10,000
							PERSONAL & ADV INJURY	$2,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$2,000,000
	POLICY X PRO-JECT X LOC						PRODUCTS - COMP/OP AGG	$4,000,000
	OTHER:							
D	AUTOMOBILE LIABILITY			BAP4197284-01	08/30/2022	08/30/2023	COMBINED SINGLE LIMIT (Ea accident)	$1,000,000
	X ANY AUTO						BODILY INJURY (Per person)	
	OWNED AUTOS ONLY / SCHEDULED AUTOS						BODILY INJURY (Per accident)	
	X HIRED AUTOS ONLY / X NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	
B	X UMBRELLA LIAB X OCCUR			AUC053258204	08/30/2022	08/30/2023	EACH OCCURRENCE	$10,000,000
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$10,000,000
	DED X RETENTION $10,000							
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y/N			WC419728201 AOS	08/30/2022	08/30/2023	X PER STATUTE OTH-ER	
D	ANY PROPRIETOR / PARTNER / EXECUTIVE OFFICER/MEMBER (Mandatory in NH) N	N / A		WC419728501 WI	08/30/2022	08/30/2023	E.L. EACH ACCIDENT	$1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE-EA EMPLOYEE	$1,000,000
							E.L. DISEASE-POLICY LIMIT	$1,000,000
C	E&O - Professional Liability Primary			03124806 Claims Made SIR applies per policy terms & conditions	08/30/2022	08/30/2023	Per Claim	$1,000,000
							Aggregate	$5,000,000

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

RE: MB Project Number: TBD, RFQ No. 2238-06220. Construction Management Services for Central Avenue Bridge, Cook County, its officials, employees and agents are included as Additional Insured in accordance with the policy provisions of the General Liability Policy. General Liability policy evidenced herein is Primary and Non-Contributory to other insurance available to Additional Insured, but only in accordance with the policy's provisions. A Waiver of Subrogation is granted in favor of the Cook County in accordance with the policy provisions of the General Liability, Automobile Liability and Workers' Compensation policies.

CERTIFICATE HOLDER

Cook County
118 North Clark Street
Chicago IL 60602 USA

CANCELLATION

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

AUTHORIZED REPRESENTATIVE

Aon Risk Services Central, Inc.

Holder Identifier :

Certificate No : 570099183307

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THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

DESIGNATED INSURED FOR COVERED AUTOS LIABILITY COVERAGE

This endorsement modifies insurance provided under the following:

AUTO DEALERS COVERAGE FORM
BUSINESS AUTO COVERAGE FORM
MOTOR CARRIER COVERAGE FORM

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by this endorsement.

This endorsement identifies person(s) or organization(s) who are "insureds" for Covered Autos Liability Coverage under the Who Is An Insured provision of the Coverage Form. This endorsement does not alter coverage provided in the Coverage Form.
This endorsement changes the policy effective on the inception date of the policy unless another date is indicated below.

Named Insured: MICHAEL BAKER INTERNATIONAL LLC

Endorsement Effective Date:

SCHEDULE

Name Of Person(s) Or Organization(s):

ANY PERSON OR ORGANIZATION TO WHOM OR WHICH YOU ARE REQUIRED TO PROVIDE ADDITIONAL INSURED STATUS OR ADDITIONAL INSURED STATUS ON A PRIMARY, NON-CONTRIBUTORY BASIS, IN A WRITTEN CONTRACT OR WRITTEN AGREEMENT EXECUTED PRIOR TO LOSS, EXCEPT WHERE SUCH CONTRACT OR AGREEMENT IS PROHIBITED BY LAW.

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

 © Insurance Services Office, Inc., 2011

Additional Insured – Automatic – Owners, Lessees Or Contractors

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.	
Policy No. GLO 4197281-01	Effective Date: 08/30/2022

This endorsement modifies insurance provided under the:

Commercial General Liability Coverage Part

A. Section **II – Who Is An Insured** is amended to include as an additional insured any person or organization whom you are required to add as an additional insured under a written contract or written agreement executed by you, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" and subject to the following:

1. If such written contract or written agreement specifically requires that you provide that the person or organization be named as an additional insured under one or both of the following endorsements:

a. The Insurance Services Office (ISO) ISO CG 20 10 (10/01 edition); or

b. The ISO CG 20 37 (10/01 edition),

such person or organization is then an additional insured with respect to such endorsement(s), but only to the extent that "bodily injury", "property damage" or "personal and advertising injury" arises out of:

(1) Your ongoing operations, with respect to Paragraph **1.a.** above; or

(2) "Your work", with respect to Paragraph **1.b.** above,

which is the subject of the written contract or written agreement.

However, solely with respect to this Paragraph **1.**, insurance afforded to such additional insured:

(a) Only applies if the "bodily injury", "property damage" or "personal and advertising injury" offense occurs during the policy period and subsequent to your execution of the written contract or written agreement; and

(b) Does not apply to "bodily injury" or "property damage" caused by "your work" and included within the "products-completed operations hazard" unless the written contract or written agreement specifically requires that you provide such coverage to such additional insured.

2. If such written contract or written agreement specifically requires that you provide that the person or organization be named as an additional insured under one or both of the following endorsements:

a. The Insurance Services Office (ISO) ISO CG 20 10 (07/04 edition); or

b. The ISO CG 20 37 (07/04 edition),

such person or organization is then an additional insured with respect to such endorsement(s), but only to the extent that "bodily injury", "property damage" or "personal and advertising injury" is caused, in whole or in part, by:

(1) Your acts or omissions; or

(2) The acts or omissions of those acting on your behalf,

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in the performance of:

(a) Your ongoing operations, with respect to Paragraph **2.a.** above; or

(b) "Your work" and included in the "products-completed operations hazard", with respect to Paragraph **2.b.** above,

which is the subject of the written contract or written agreement.

However, solely with respect to this Paragraph **2.**, insurance afforded to such additional insured:

(i) Only applies if the "bodily injury", "property damage" or "personal and advertising injury" offense occurs during the policy period and subsequent to your execution of the written contract or written agreement; and

(ii) Does not apply to "bodily injury" or "property damage" caused by "your work" and included within the "products-completed operations hazard" unless the written contract or written agreement specifically requires that you provide such coverage to such additional insured.

3. If neither Paragraph **1.** nor Paragraph **2.** above apply and such written contract or written agreement requires that you provide that the person or organization be named as an additional insured:

a. Under the ISO CG 20 10 (04/13 edition, any subsequent edition or if no edition date is specified); or

b. With respect to ongoing operations (if no form is specified),

such person or organization is then an additional insured only to the extent that "bodily injury", "property damage" or "personal and advertising injury" is caused, in whole or in part by:

(1) Your acts or omissions; or

(2) The acts or omissions of those acting on your behalf,

in the performance of your ongoing operations, which is the subject of the written contract or written agreement.

However, solely with respect to this Paragraph **3.**, insurance afforded to such additional insured:

(a) Only applies to the extent permitted by law;

(b) Will not be broader than that which you are required by the written contract or written agreement to provide for such additional insured; and

(c) Only applies if the "bodily injury", "property damage" or "personal and advertising injury" offense occurs during the policy period and subsequent to your execution of the written contract or written agreement.

4. If neither Paragraph **1.** nor Paragraph **2.** above apply and such written contract or written agreement requires that you provide that the person or organization be named as an additional insured:

a. Under the ISO CG 20 37 (04/13 edition, any subsequent edition or if no edition date is specified); or

b. With respect to the "products-completed operations hazard" (if no form is specified),

such person or organization is then an additional insured only to the extent that "bodily injury" or "property damage" is caused, in whole or in part by "your work" and included in the "products-completed operations hazard", which is the subject of the written contract or written agreement.

However, solely with respect to this Paragraph **4.**, insurance afforded to such additional insured:

(1) Only applies to the extent permitted by law;

(2) Will not be broader than that which you are required by the written contract or written agreement to provide for such additional insured;

(3) Only applies if the "bodily injury" or "property damage" occurs during the policy period and subsequent to your execution of the written contract or written agreement; and

(4) Does not apply to "bodily injury" or "property damage" caused by "your work" and included within the "products-completed operations hazard" unless the written contract or written agreement specifically requires that you provide such coverage to such additional insured.

Includes copyrighted material of Insurance Services Office, Inc., with its permission.

B. Solely with respect to the insurance afforded to any additional insured referenced in Section **A.** of this endorsement, the following additional exclusion applies:

This insurance does not apply to "bodily injury", "property damage" or "personal and advertising injury" arising out of the rendering of, or failure to render, any professional architectural, engineering or surveying services including:

1. The preparing, approving or failing to prepare or approve maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; or

2. Supervisory, inspection, architectural or engineering activities.

This exclusion applies even if the claims against any insured allege negligence or other wrongdoing in the supervision, hiring, employment, training or monitoring of others by that insured, if the "occurrence" which caused the "bodily injury" or "property damage", or the offense which caused the "personal and advertising injury", involved the rendering of or the failure to render any professional architectural, engineering or surveying services.

C. Solely with respect to the coverage provided by this endorsement, the following is added to Paragraph **2. Duties In The Event Of Occurrence, Offense, Claim Or Suit** of Section **IV – Commercial General Liability Conditions**:

The additional insured must see to it that:

(1) We are notified as soon as practicable of an "occurrence" or offense that may result in a claim;

(2) We receive written notice of a claim or "suit" as soon as practicable; and

(3) A request for defense and indemnity of the claim or "suit" will promptly be brought against any policy issued by another insurer under which the additional insured may be an insured in any capacity. This provision does not apply to insurance on which the additional insured is a Named Insured if the written contract or written agreement requires that this coverage be primary and non-contributory.

D. Solely with respect to the coverage provided by this endorsement:

1. The following is added to the **Other Insurance** Condition of Section **IV – Commercial General Liability Conditions**:

Primary and Noncontributory insurance

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

a. The additional insured is a Named Insured under such other insurance; and

b. You are required by written contract or written agreement that this insurance be primary and not seek contribution from any other insurance available to the additional insured.

2. The following paragraph is added to Paragraph **4.b.** of the **Other Insurance** Condition under Section **IV – Commercial General Liability Conditions**:

This insurance is excess over:

Any of the other insurance, whether primary, excess, contingent or on any other basis, available to an additional insured, in which the additional insured on our policy is also covered as an additional insured on another policy providing coverage for the same "occurrence", offense, claim or "suit". This provision does not apply to any policy in which the additional insured is a Named Insured on such other policy and where our policy is required by a written contract or written agreement to provide coverage to the additional insured on a primary and non-contributory basis.

E. This endorsement does not apply to an additional insured which has been added to this Coverage Part by an endorsement showing the additional insured in a Schedule of additional insureds, and which endorsement applies specifically to that identified additional insured.

F. Solely with respect to the insurance afforded to an additional insured under Paragraph **A.3.** or Paragraph **A.4.** of this endorsement, the following is added to Section **III – Limits Of Insurance**:

Additional Insured – Automatic – Owners, Lessees Or Contractors Limit

The most we will pay on behalf of the additional insured is the amount of insurance:

Includes copyrighted material of Insurance Services Office, Inc., with its permission.

1. Required by the written contract or written agreement referenced in Section **A.** of this endorsement; or

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

whichever is less.

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

All other terms, conditions, provisions and exclusions of this policy remain the same.

Includes copyrighted material of Insurance Services Office, Inc., with its permission.

Exhibit 7

Identification of Subconsultants

Contract #: 2238-06220

OCPO ONLY:
☐ Disqualification
☐ Check Complete

Cook County
Office of the Chief Procurement Officer
Identification of Subcontractor/Supplier/Subconsultant Form

The Bidder/Proposer/Respondent ("the Contractor") will fully complete and execute and submit an Identification of Subcontractor/Supplier/Subconsultant Form ("ISF") with each Bid, Request for Proposal, and Request for Qualification. **The Contractor must complete the ISF for each Subcontractor, Supplier or Subconsultant which shall be used on the Contract**. In the event that there are any changes in the utilization of Subcontractors, Suppliers or Subconsultants, the Contractor must file an updated ISF.

Bid/RFP/RFQ No.: 2238-06220	Date: 04/26/2023
Total Bid or Proposal Amount: $4,796,720	Contract Title: Construction Management Services
Contractor: Michael Baker International, Inc.	Subcontractor/Supplier/ Subconsultant to be added or substitute: APS Consulting
Authorized Contact for Contractor: Joseph Catalano	Authorized Contact for Subcontractor/Supplier/ Subconsultant: Shakti Joshi
Email Address (Contractor): joseph.catalano@mbakerintl.com	Email Address (Subcontractor): sjoshi@apsae.com
Company Address (Contractor): 200 W. Adams Street, Suite 1800	Company Address (Subcontractor): 5519 N. Cumberland Ave., Suite 1011
City, State and Zip (Contractor): Chicago, IL 60606	City, State and Zip (Subcontractor): Chicago, IL 60656
Telephone and Fax (Contractor): 312-575-3923	Telephone and Fax (Subcontractor): 847-274-1620
Estimated Start and Completion Dates (Contractor): July 2023 through October 2026	Estimated Start and Completion Dates (Subcontractor): July 2023 through August 2025

Note: Upon request, a copy of all written subcontractor agreements must be provided to the OCPO.

Description of Services or Supplies	**Total Price of Subcontract for Services or Supplies**
Construction Inspector	8.00%

The subcontract documents will incorporate all requirements of the Contract awarded to the Contractor as applicable. The subcontract will in no way hinder the Subcontractor/Supplier/Subconsultant from maintaining its progress on any other contract on which it is either a Subcontractor/Supplier/Subconsultant or principal contractor. This disclosure is made with the understanding that the Contractor is not under any circumstances relieved of its abilities and obligations, and is responsible for the organization, performance, and quality of work. **This form does not approve any proposed changes, revisions or modifications to the contract approved MBE/WBE Utilization Plan. Any changes to the contract's approved MBE/WBE/Utilization Plan must be submitted to the Office of the Contract Compliance.**

Michael Baker International, Inc.
Contractor

Joseph Catalano
Name

Vice President, Office Executive
Title

Joseph Catalano
Prime Contractor Signature

04/26/2023
Date

Contract #: 2238-06220

OCPO ONLY:
☐ Disqualification
☐ Check Complete

Cook County
Office of the Chief Procurement Officer
Identification of Subcontractor/Supplier/Subconsultant Form

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Bid/RFP/RFQ No.: 2238-06220	Date: 04/26/2023
Total Bid or Proposal Amount: $4,796,720	Contract Title: Construction Management Services
Contractor: Michael Baker International, Inc.	Subcontractor/Supplier/ Subconsultant to be added or substitute: Ardmore Roderick
Authorized Contact for Contractor: Joseph Catalano	Authorized Contact for Subcontractor/Supplier/ Subconsultant: Michael Burns
Email Address (Contractor): joseph.catalano@mbakerintl.com	Email Address (Subcontractor): mburns@ardmoreroderick.com
Company Address (Contractor): 200 W. Adams Street, Suite 1800	Company Address (Subcontractor): 1500 W. Carrol, Suite 300
City, State and Zip (Contractor): Chicago, IL 60606	City, State and Zip (Subcontractor): Chicago, IL 60607
Telephone and Fax (Contractor): 312-575-3923	Telephone and Fax (Subcontractor): 708-466-4289
Estimated Start and Completion Dates (Contractor): July 2023 through October 2026	Estimated Start and Completion Dates (Subcontractor): July 2023 through August 2025

Note: Upon request, a copy of all written subcontractor agreements must be provided to the OCPO.

Description of Services or Supplies	Total Price of Subcontract for Services or Supplies
Construction Inspection and Survey	10.33%

The subcontract documents will incorporate all requirements of the Contract awarded to the Contractor as applicable. The subcontract will in no way hinder the Subcontractor/Supplier/Subconsultant from maintaining its progress on any other contract on which it is either a Subcontractor/Supplier/Subconsultant or principal contractor. This disclosure is made with the understanding that the Contractor is not under any circumstances relieved of its abilities and obligations, and is responsible for the organization, performance, and quality of work. **This form does not approve any proposed changes, revisions or modifications to the contract approved MBE/WBE Utilization Plan. Any changes to the contract's approved MBE/WBE/Utilization Plan must be submitted to the Office of the Contract Compliance.**

Michael Baker International, Inc.
Contractor

Joseph Catalano
Name

Vice President, Office Executive
Title



Prime Contractor Signature

04/26/2023
Date

Contract #: 2238-06220

OCPO ONLY:
☐ Disqualification
☐ Check Complete

Cook County
Office of the Chief Procurement Officer
Identification of Subcontractor/Supplier/Subconsultant Form

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Bid/RFP/RFQ No.: 2238-06220	Date: 04/26/2023
Total Bid or Proposal Amount: $4,796,720	Contract Title: Construction Management Services
Contractor: Michael Baker International, Inc.	Subcontractor/Supplier/ Subconsultant to be added or substitute: Bowman Consulting Group, Ltd.
Authorized Contact for Contractor: Joseph Catalano	Authorized Contact for Subcontractor/Supplier/ Subconsultant: Michael Hannemann
Email Address (Contractor): joseph.catalano@mbakerintl.com	Email Address (Subcontractor): mhannemann@bowman.com
Company Address (Contractor): 200 W. Adams Street, Suite 1800	Company Address (Subcontractor): 311 South Wacker Drive, Suite 1950
City, State and Zip (Contractor): Chicago, IL 60606	City, State and Zip (Subcontractor): Chicago, IL 60606
Telephone and Fax (Contractor): 312-575-3923	Telephone and Fax (Subcontractor): 630.878.2928
Estimated Start and Completion Dates (Contractor): July 2023 through October 2026	Estimated Start and Completion Dates (Subcontractor): July 2023 through August 2025

Note: Upon request, a copy of all written subcontractor agreements must be provided to the OCPO.

Description of Services or Supplies	**Total Price of Subcontract for Services or Supplies**
Assistant Resident Engineer and Construction Inspection	13.99%

The subcontract documents will incorporate all requirements of the Contract awarded to the Contractor as applicable. The subcontract will in no way hinder the Subcontractor/Supplier/Subconsultant from maintaining its progress on any other contract on which it is either a Subcontractor/Supplier/Subconsultant or principal contractor. This disclosure is made with the understanding that the Contractor is not under any circumstances relieved of its abilities and obligations, and is responsible for the organization, performance, and quality of work. **This form does not approve any proposed changes, revisions or modifications to the contract approved MBE/WBE Utilization Plan. Any changes to the contract's approved MBE/WBE/Utilization Plan must be submitted to the Office of the Contract Compliance.**

Michael Baker International, Inc.
Contractor

Joseph Catalano
Name

Vice President, Office Executive
Title

Joseph Catalano
Prime Contractor Signature

04/26/2023
Date

Contract #: 2238-06220

OCPO ONLY:
☐ Disqualification
☐ Check Complete

Cook County
Office of the Chief Procurement Officer
Identification of Subcontractor/Supplier/Subconsultant Form

The Bidder/Proposer/Respondent ("the Contractor") will fully complete and execute and submit an Identification of Subcontractor/Supplier/Subconsultant Form ("ISF") with each Bid, Request for Proposal, and Request for Qualification. **The Contractor must complete the ISF for each Subcontractor, Supplier or Subconsultant which shall be used on the Contract**. In the event that there are any changes in the utilization of Subcontractors, Suppliers or Subconsultants, the Contractor must file an updated ISF.

Bid/RFP/RFQ No.: 2238-06220	Date: 04/26/2023
Total Bid or Proposal Amount: $4,796,720	Contract Title: Construction Management Services
Contractor: Michael Baker International, Inc.	Subcontractor/Supplier/ Subconsultant to be added or substitute: Material Service Testing
Authorized Contact for Contractor: Joseph Catalano	Authorized Contact for Subcontractor/Supplier/ Subconsultant: Jeffrey Krozel
Email Address (Contractor): joseph.catalano@mbakerintl.com	Email Address (Subcontractor): jkrozel@mstli.com
Company Address (Contractor): 200 W. Adams Street, Suite 1800	Company Address (Subcontractor): 1327 W. Washington
City, State and Zip (Contractor): Chicago, IL 60606	City, State and Zip (Subcontractor): Chicago, IL 60607
Telephone and Fax (Contractor): 312-575-3923	Telephone and Fax (Subcontractor): 847-787-0320
Estimated Start and Completion Dates (Contractor): July 2023 through October 2026	Estimated Start and Completion Dates (Subcontractor): July 2023 through August 2025

Note: Upon request, a copy of all written subcontractor agreements must be provided to the OCPO.

Description of Services or Supplies	**Total Price of Subcontract for Services or Supplies**
Quality Assurance Material Testing	7.01%

The subcontract documents will incorporate all requirements of the Contract awarded to the Contractor as applicable. The subcontract will in no way hinder the Subcontractor/Supplier/Subconsultant from maintaining its progress on any other contract on which it is either a Subcontractor/Supplier/Subconsultant or principal contractor. This disclosure is made with the understanding that the Contractor is not under any circumstances relieved of its abilities and obligations, and is responsible for the organization, performance, and quality of work. **This form does not approve any proposed changes, revisions or modifications to the contract approved MBE/WBE Utilization Plan. Any changes to the contract's approved MBE/WBE/Utilization Plan must be submitted to the Office of the Contract Compliance.**

Michael Baker International, Inc.
Contractor

Joseph Catalano
Name

Vice President, Office Executive
Title

Joseph Catalano
Prime Contractor Signature

04/26/2023
Date

Contract #: 2238-06220

OCPO ONLY:
☐ Disqualification
☐ Check Complete

Cook County
Office of the Chief Procurement Officer
Identification of Subcontractor/Supplier/Subconsultant Form

The Bidder/Proposer/Respondent ("the Contractor") will fully complete and execute and submit an Identification of Subcontractor/Supplier/Subconsultant Form ("ISF") with each Bid, Request for Proposal, and Request for Qualification. **The Contractor must complete the ISF for each Subcontractor, Supplier or Subconsultant which shall be used on the Contract**. In the event that there are any changes in the utilization of Subcontractors, Suppliers or Subconsultants, the Contractor must file an updated ISF.

Bid/RFP/RFQ No.: 2238-06220	Date: 04/26/2023
Total Bid or Proposal Amount: $4,796,720	Contract Title: Construction Management Services
Contractor: Michael Baker International, Inc.	Subcontractor/Supplier/ Subconsultant to be added or substitute: PMCS
Authorized Contact for Contractor: Joseph Catalano	Authorized Contact for Subcontractor/Supplier/ Subconsultant: Tom Nutter
Email Address (Contractor): joseph.catalano@mbakerintl.com	Email Address (Subcontractor): tom@pmcsconsulting.com
Company Address (Contractor): 200 W. Adams Street, Suite 1800	Company Address (Subcontractor): 45 Waiola Avenue
City, State and Zip (Contractor): Chicago, IL 60606	City, State and Zip (Subcontractor): LaGrange, IL 60525
Telephone and Fax (Contractor): 312-575-3923	Telephone and Fax (Subcontractor): 773-908-6946
Estimated Start and Completion Dates (Contractor): July 2023 through October 2026	Estimated Start and Completion Dates (Subcontractor): July 2023 through August 2025

Note: Upon request, a copy of all written subcontractor agreements must be provided to the OCPO.

Description of Services or Supplies	**Total Price of Subcontract for Services or Supplies**
Construction Inspection, Quality Assurance, and Schedule Review	9.68%

The subcontract documents will incorporate all requirements of the Contract awarded to the Contractor as applicable. The subcontract will in no way hinder the Subcontractor/Supplier/Subconsultant from maintaining its progress on any other contract on which it is either a Subcontractor/Supplier/Subconsultant or principal contractor. This disclosure is made with the understanding that the Contractor is not under any circumstances relieved of its abilities and obligations, and is responsible for the organization, performance, and quality of work. **This form does not approve any proposed changes, revisions or modifications to the contract approved MBE/WBE Utilization Plan. Any changes to the contract's approved MBE/WBE/Utilization Plan must be submitted to the Office of the Contract Compliance.**

Michael Baker International, Inc.
Contractor

Joseph Catalano
Name

Vice President, Office Executive
Title

Joseph Catalano
Prime Contractor Signature

04/26/2023
Date

Exhibit 8

Certification for Consulting or Auditing Services

NOT APPLICABLE

Exhibit 9

Economic Disclosure Statement and Execution Document

COOK COUNTY
ECONOMIC DISCLOSURE STATEMENT
AND EXECUTION DOCUMENT
INDEX

Section	Description	Pages
1	Instructions for Completion of EDS	EDS i - ii
2	Certifications	EDS 1– 2
3	Economic and Other Disclosures, Affidavit of Child Support Obligations, Disclosure of Ownership Interest and Familial Relationship Disclosure Form	EDS 3 – 12
4	Cook County Affidavit for Wage Theft Ordinance	EDS 13-14
5	Contract and EDS Execution Page	EDS 15
6	Cook County Signature Page	EDS 16

SECTION 1
INSTRUCTIONS FOR COMPLETION OF
ECONOMIC DISCLOSURE STATEMENT AND EXECUTION DOCUMENT

This Economic Disclosure Statement and Execution Document ("EDS") is to be completed and executed by every Bidder on a County contract, every Proposer responding to a Request for Proposals, and every Respondent responding to a Request for Qualifications, and others as required by the Chief Procurement Officer. The execution of the EDS shall serve as the execution of a contract awarded by the County. The Chief Procurement Officer reserves the right to request that the Bidder or Proposer, or Respondent provide an updated EDS on an annual basis.

Definitions. Terms used in this EDS and not otherwise defined herein shall have the meanings given to such terms in the Instructions to Bidders, General Conditions, Request for Proposals, Request for Qualifications, as applicable.

Affiliate means a person that directly or indirectly through one or more intermediaries, Controls is Controlled by, or is under common Control with the Person specified.

Applicant means a person who executes this EDS.

Bidder means any person who submits a Bid.

Code means the Code of Ordinances, Cook County, Illinois available on municode.com.

Contract shall include any written document to make Procurements by or on behalf of Cook County.

Contractor or *Contracting Party* means a person that enters into a Contract with the County.

Control means the unfettered authority to directly or indirectly manage governance, administration, work, and all other aspects of a business.

EDS means this complete Economic Disclosure Statement and Execution Document, including all sections listed in the Index and any attachments.

Joint Venture means an association of two or more Persons proposing to perform a for-profit business enterprise. Joint Ventures must have an agreement in writing specifying the terms and conditions of the relationship between the partners and their relationship and respective responsibility for the Contract

Lobby or lobbying means to, for compensation, attempt to influence a County official or County employee with respect to any County matter.

Lobbyist means any person who lobbies.

Person or *Persons* means any individual, corporation, partnership, Joint Venture, trust, association, Limited Liability Company, sole proprietorship or other legal entity.

Prohibited Acts means any of the actions or occurrences which form the basis for disqualification under the Code, or under the Certifications hereinafter set forth.

Proposal means a response to an RFP.

Proposer means a person submitting a Proposal.

Response means response to an RFQ.

Respondent means a person responding to an RFQ.

RFP means a Request for Proposals issued pursuant to this Procurement Code.

RFQ means a Request for Qualifications issued to obtain the qualifications of interested parties.

INSTRUCTIONS FOR COMPLETION OF ECONOMIC DISCLOSURE STATEMENT AND EXECUTION DOCUMENT

Section 1: Instructions. Section 1 sets forth the instructions for completing and executing this EDS.

Section 2: Certifications. Section 2 sets forth certifications that are required for contracting parties under the Code and other applicable laws. Execution of this EDS constitutes a warranty that all the statements and certifications contained, and all the facts stated, in the Certifications are true, correct and complete as of the date of execution.

Section 3: Economic and Other Disclosures Statement. Section 3 is the County's required Economic and Other Disclosures Statement form. Execution of this EDS constitutes a warranty that all the information provided in the EDS is true, correct and complete as of the date of execution, and binds the Applicant to the warranties, representations, agreements and acknowledgements contained therein.

Required Updates. The Applicant is required to keep all information provided in this EDS current and accurate. In the event of any change in the information provided, including but not limited to any change which would render inaccurate or incomplete any certification or statement made in this EDS, the Applicant shall supplement this EDS up to the time the County takes action, by filing an amended EDS or such other documentation as is required.

Additional Information. The County's Governmental Ethics and Campaign Financing Ordinances impose certain duties and obligations on persons or entities seeking County contracts, work, business, or transactions, and the Applicant is expected to comply fully with these ordinances. For further information please contact the Director of Ethics at (312) 603-4304 (69 W. Washington St. Suite 3040, Chicago, IL 60602) or visit the web-site at cookcountyil.gov/ethics-board-of.

Authorized Signers of Contract and EDS Execution Page. If the Applicant is a corporation, the President and Secretary must execute the EDS. In the event that this EDS is executed by someone other than the President, attach hereto a certified copy of that section of the Corporate By-Laws or other authorization by the Corporation, satisfactory to the County that permits the person to execute EDS for said corporation. If the corporation is not registered in the State of Illinois, a copy of the Certificate of Good Standing from the state of incorporation must be submitted with this Signature Page.

If the Applicant is a partnership or joint venture, all partners or joint venturers must execute the EDS, unless one partner or joint venture has been authorized to sign for the partnership or joint venture, in which case, the partnership agreement, resolution or evidence of such authority satisfactory to the Office of the Chief Procurement Officer must be submitted with this Signature Page.

If the Applicant is a member-managed LLC all members must execute the EDS, unless otherwise provided in the operating agreement, resolution or other corporate documents. If the Applicant is a manager-managed LLC, the manager(s) must execute the EDS. The Applicant must attach either a certified copy of the operating agreement, resolution or other authorization, satisfactory to the County, demonstrating such person has the authority to execute the EDS on behalf of the LLC. If the LLC is not registered in the State of Illinois, a copy of a current Certificate of Good Standing from the state of incorporation must be submitted with this Signature Page.

If the Applicant is a Sole Proprietorship, the sole proprietor must execute the EDS.

A "Partnership" "Joint Venture" or "Sole Proprietorship" operating under an Assumed Name must be registered with the Illinois county in which it is located, as provided in 805 ILCS 405 (2012), and documentation evidencing registration must be submitted with the EDS.

Effective October 1, 2016 all foreign corporations and LLCs must be registered with the Illinois Secretary of State's Office unless a statutory exemption applies to the applicant. Applicants who are exempt from registering must provide a written statement explaining why they are exempt from registering as a foreign entity with the Illinois Secretary of State's Office.

SECTION 2

CERTIFICATIONS

THE FOLLOWING CERTIFICATIONS ARE MADE PURSUANT TO STATE LAW AND THE CODE. THE APPLICANT IS CAUTIONED TO CAREFULLY READ THESE CERTIFICATIONS PRIOR TO SIGNING THE SIGNATURE PAGE. SIGNING THE SIGNATURE PAGE SHALL CONSTITUTE A WARRANTY BY THE APPLICANT THAT ALL THE STATEMENTS, CERTIFICATIONS AND INFORMATION SET FORTH WITHIN THESE CERTIFICATIONS ARE TRUE, COMPLETE AND CORRECT AS OF THE DATE THE SIGNATURE PAGE IS SIGNED. THE APPLICANT IS NOTIFIED THAT IF THE COUNTY LEARNS THAT ANY OF THE FOLLOWING CERTIFICATIONS WERE FALSELY MADE, THAT ANY CONTRACT ENTERED INTO WITH THE APPLICANT SHALL BE SUBJECT TO TERMINATION.

A. PERSONS AND ENTITIES SUBJECT TO DISQUALIFICATION

No person or business entity shall be awarded a contract or sub-contract, for a period of five (5) years from the date of conviction or entry of a plea or admission of guilt, civil or criminal, if that person or business entity:

1) Has been convicted of an act committed, within the State of Illinois, of bribery or attempting to bribe an officer or employee of a unit of state, federal or local government or school district in the State of Illinois in that officer's or employee's official capacity;

2) Has been convicted by federal, state or local government of an act of bid-rigging or attempting to rig bids as defined in the Sherman Anti-Trust Act and Clayton Act. Act. 15 U.S.C. Section 1 *et seq.;*

3) Has been convicted of bid-rigging or attempting to rig bids under the laws of federal, state or local government;

4) Has been convicted of an act committed, within the State**,** of price-fixing or attempting to fix prices as defined by the Sherman Anti-Trust Act and the Clayton Act. 15 U.S.C. Section 1, *et seq.;*

5) Has been convicted of price-fixing or attempting to fix prices under the laws the State;

6) Has been convicted of defrauding or attempting to defraud any unit of state or local government or school district within the State of Illinois;

7) Has made an admission of guilt of such conduct as set forth in subsections (1) through (6) above which admission is a matter of record, whether or not such person or business entity was subject to prosecution for the offense or offenses admitted to; or

8) Has entered a plea of *nolo contendere* to charge of bribery, price-fixing, bid-rigging, or fraud, as set forth in sub-paragraphs (1) through (6) above.

In the case of bribery or attempting to bribe, a business entity may not be awarded a contract if an official, agent or employee of such business entity committed the Prohibited Act on behalf of the business entity and pursuant to the direction or authorization of an officer, director or other responsible official of the business entity, and such Prohibited Act occurred within three years prior to the award of the contract. In addition, a business entity shall be disqualified if an owner, partner or shareholder controlling, directly or indirectly, 20% or more of the business entity, or an officer of the business entity has performed any Prohibited Act within five years prior to the award of the Contract.

THE APPLICANT HEREBY CERTIFIES THAT**:** The Applicant has read the provisions of Section A, Persons and Entities Subject to Disqualification, that the Applicant has not committed any Prohibited Act set forth in Section A, and that award of the Contract to the Applicant would not violate the provisions of such Section or of the Code.

B. BID-RIGGING OR BID ROTATING

THE APPLICANT HEREBY CERTIFIES THAT: *In accordance with 720 ILCS 5/33 E-11, neither the Applicant nor any Affiliated Entity is barred from award of this Contract as a result of a conviction for the violation of State laws prohibiting bid-rigging or bid rotating.*

C. DRUG FREE WORKPLACE ACT

THE APPLICANT HEREBY CERTIFIES THAT**:** The Applicant will provide a drug free workplace, as required by (30 ILCS 580/3).

D. DELINQUENCY IN PAYMENT OF TAXES

THE APPLICANT HEREBY CERTIFIES THAT*: The Applicant is not an owner or a party responsible for the payment of any tax or fee administered by Cook County, such as bar award of a contract or subcontract pursuant to the Code, Chapter 34, Section 34-171.*

E. HUMAN RIGHTS ORDINANCE

No person who is a party to a contract with Cook County ("County") shall engage in unlawful discrimination or sexual harassment against any individual in the terms or conditions of employment, credit, public accommodations, housing, or provision of County facilities, services or programs (Code Chapter 42, Section 42-30 *et seq.*).

F. ILLINOIS HUMAN RIGHTS ACT

THE APPLICANT HEREBY CERTIFIES THAT: *It is in compliance with the Illinois Human Rights Act (775 ILCS 5/2-105), and agrees to abide by the requirements of the Act as part of its contractual obligations.*

G. INSPECTOR GENERAL (COOK COUNTY CODE, CHAPTER 34, SECTION 34-174 and Section 34-250)

The Applicant has not willfully failed to cooperate in an investigation by the Cook County Independent Inspector General or to report to the Independent Inspector General any and all information concerning conduct which they know to involve corruption, or other criminal activity, by another county employee or official, which concerns his or her office of employment or County related transaction.

The Applicant has reported directly and without any undue delay any suspected or known fraudulent activity in the County's Procurement process to the Office of the Cook County Inspector General.

H. CAMPAIGN CONTRIBUTIONS (COOK COUNTY CODE, CHAPTER 2, SECTION 2-585)

THE APPLICANT CERTIFIES THAT: It has read and shall comply with the Cook County's Ordinance concerning campaign contributions, which is codified at Chapter 2, Division 2, Subdivision II, Section 585, and can be read in its entirety at www.municode.com.

I. GIFT BAN, (COOK COUNTY CODE, CHAPTER 2, SECTION 2-574)

THE APPLICANT CERTIFIES THAT: It has read and shall comply with the Cook County's Ordinance concerning receiving and soliciting gifts and favors, which is codified at Chapter 2, Division 2, Subdivision II, Section 574, and can be read in its entirety at www.municode.com.

J. LIVING WAGE ORDINANCE PREFERENCE (COOK COUNTY CODE, CHAPTER 34, SECTION 34-160;

Unless expressly waived by the Cook County Board of Commissioners, the Code requires that a living wage must be paid to individuals employed by a Contractor which has a County Contract and by all subcontractors of such Contractor under a County Contract, throughout the duration of such County Contract. The amount of such living wage is annually by the Chief Financial Officer of the County, and shall be posted on the Chief Procurement Officer's website.

The term "Contract" as used in Section 4, I, of this EDS, specifically excludes contracts with the following:

1) Not-For Profit Organizations (defined as a corporation having tax exempt status under Section 501(C)(3) of the United State Internal Revenue Code and recognized under the Illinois State not-for -profit law);

2) Community Development Block Grants;

3) Cook County Works Department;

4) Sheriff's Work Alternative Program; and

5) Department of Correction inmates.

SECTION 3

REQUIRED DISCLOSURES

1. DISCLOSURE OF LOBBYIST CONTACTS

List all persons that have made lobbying contacts on your behalf with respect to this contract:

Name Address

None

2. LOCAL BUSINESS PREFERENCE STATEMENT (CODE, CHAPTER 34, SECTION 34-230)

Local business means a Person, including a foreign corporation authorized to transact business in Illinois, having a bona fide establishment located within the County at which it is transacting business on the date when a Bid is submitted to the County, and which employs the majority of its regular, full-time work force within the County. A Joint Venture shall constitute a Local Business if one or more Persons that qualify as a "Local Business" hold interests totaling over 50 percent in the Joint Venture, even if the Joint Venture does not, at the time of the Bid submittal, have such a bona fide establishment within the County.

a) Is Applicant a "Local Business" as defined above?

Yes: ☑ No: ☐

b) If yes, list business addresses within Cook County:

200 West Adams Street, Suite 1800, Chicago, IL 60606

c) Does Applicant employ the majority of its regular full-time workforce within Cook County?

Yes: ☑ No: ☐

3. THE CHILD SUPPORT ENFORCEMENT ORDINANCE (CODE, CHAPTER 34, SECTION 34-172)

Every Applicant for a County Privilege shall be in full compliance with any child support order before such Applicant is entitled to receive or renew a County Privilege. When delinquent child support exists, the County shall not issue or renew any County Privilege, and may revoke any County Privilege.

All Applicants are required to review the Cook County Affidavit of Child Support Obligations attached to this EDS (EDS-5) and complete the Affidavit, based on the instructions in the Affidavit.

4. REAL ESTATE OWNERSHIP DISCLOSURES.

The Applicant must indicate by checking the appropriate provision below and providing all required information that either:

a) The following is a complete list of all real estate owned by the Applicant in Cook County:

PERMANENT INDEX NUMBER(S): _____

_____

_____

(ATTACH SHEET IF NECESSARY TO LIST ADDITIONAL INDEX NUMBERS)

OR:

b) ☑ The Applicant owns no real estate in Cook County.

5. EXCEPTIONS TO CERTIFICATIONS OR DISCLOSURES.

If the Applicant is unable to certify to any of the Certifications or any other statements contained in this EDS and not explained elsewhere in this EDS, the Applicant must explain below:

If the letters, "NA", the word "None" or "No Response" appears above, or if the space is left blank, it will be conclusively presumed that the Applicant certified to all Certifications and other statements contained in this EDS.

COOK COUNTY DISCLOSURE OF OWNERSHIP INTEREST STATEMENT

The Cook County Code of Ordinances (§2-610 *et seq.*) requires that any Applicant for any County Action must disclose information concerning ownership interests in the Applicant. This Disclosure of Ownership Interest Statement must be completed with all information current as of the date this Statement is signed. Furthermore, this Statement must be kept current, by filing an amended Statement, until such time as the County Board or County Agency shall take action on the application. The information contained in this Statement will be maintained in a database and made available for public viewing. **County reserves the right to request additional information to verify veracity of information contained in this statement.**

If you are asked to list names, but there are no applicable names to list, you must state NONE. An incomplete Statement will be returned and any action regarding this contract will be delayed. A failure to fully comply with the ordinance may result in the action taken by the County Board or County Agency being voided.

"*Applicant*" means any Entity or person making an application to the County for any County Action.

"County Action" means any action by a County Agency, a County Department, or the County Board regarding an ordinance or ordinance amendment, a County Board approval, or other County agency approval, with respect to contracts, leases, or sale or purchase of real estate.

"Person" "Entity" or *"Legal Entity"* means a sole proprietorship, corporation, partnership, association, business trust, estate, two or more persons having a joint or common interest, trustee of a land trust, other commercial or legal entity or any beneficiary or beneficiaries thereof.

This Disclosure of Ownership Interest Statement must be submitted by :

1. An Applicant for County Action and

2. A Person that holds stock or a beneficial interest in the Applicant and is listed on the Applicant's Statement (a "Holder") must file a Statement and complete #1 only under **Ownership Interest Declaration**.

Please print or type responses clearly and legibly. Add additional pages if needed, being careful to identify each portion of the form to which each additional page refers.

This Statement is being made by the [✓] Applicant or [ ] Stock/Beneficial Interest Holder

This Statement is an: [✓] Original Statement or [ ] Amended Statement

Identifying Information:

Name Michael Baker International, Inc.

D/B/A: _____ FEIN # Only: 25-1228638

Street Address: 200 West Adams Street, Suite 1800

City: Chicago State: IL Zip Code: 60606

Phone No.: 312-707-8770 Fax Number: 312-707-8804 Email: _____

Cook County Business Registration Number: _____
(Sole Proprietor, Joint Venture Partnership)

Corporate File Number (if applicable): _____

Form of Legal Entity:

[ ] Sole Proprietor [ ] Partnership [✓] Corporation [ ] Trustee of Land Trust

[ ] Business Trust [ ] Estate [ ] Association [ ] Joint Venture

[ ] Other (describe) _____

Ownership Interest Declaration:

1. List the name(s), address, and percent ownership of each Person having a legal or beneficial interest (including ownership) of more than five percent (5%) in the Applicant/Holder.

Name	Address	Percentage Interest in Applicant/Holder
Michael Baker International Holdco Corporation	500 Grant St, Ste. 5400, Pittsburgh, PA 15219	100%

2. If the interest of any Person listed in (1) above is held as an agent or agents, or a nominee or nominees, list the name and address of the principal on whose behalf the interest is held.

Name of Agent/Nominee	Name of Principal	Principal's Address

3. Is the Applicant constructively controlled by another person or Legal Entity? [☐] Yes [☑] No

If yes, state the name, address and percentage of beneficial interest of such person, and the relationship under which such control is being or may be exercised.

Name	Address	Percentage of Beneficial Interest	Relationship
None			

Corporate Officers, Members and Partners Information:

For all corporations, list the names, addresses, and terms for all corporate officers. For all limited liability companies, list the names, addresses for all members. For all partnerships and joint ventures, list the names, addresses, for each partner or joint venture.

Name	Address	Title (specify title of Office, or whether manager or partner/joint venture)	Term of Office

Declaration (check the applicable box):

☑ I state under oath that the Applicant has withheld no disclosure as to ownership interest in the Applicant nor reserved any information, data or plan as to the intended use or purpose for which the Applicant seeks County Board or other County Agency action.

☐ I state under oath that the Holder has withheld no disclosure as to ownership interest nor reserved any information required to be disclosed.

COOK COUNTY DISCLOSURE OF OWNERSHIP INTEREST STATEMENT SIGNATURE PAGE

Joseph Catalano
Name of Authorized Applicant/Holder Representative (please print or type)

Vice President
Title

Signature

04/26/2023
Date

joseph.catalano@mbakerintl.com
E-mail address

312.707.8770
Phone Number

Subscribed to and sworn before me
this 26th day of April, 2023.

My commission expires: September 18, 2024

X
Notary Public Signature

Notary Seal

L. RODRIGUEZ
OFFICIAL SEAL
Notary Public - State of Illinois
My Commission Expires Sep 18, 2024

COOK COUNTY BOARD OF ETHICS
69 W. WASHINGTON STREET, SUITE 3040
CHICAGO, ILLINOIS 60602
312/603-4304 Office 312/603-9988 Fax

FAMILIAL RELATIONSHIP DISCLOSURE PROVISION

Nepotism Disclosure Requirement:

Doing a significant amount of business with the County requires that you disclose to the Board of Ethics the existence of any familial relationships with any County employee or any person holding elective office in the State of Illinois, the County, or in any municipality within the County. The Ethics Ordinance defines a significant amount of business for the purpose of this disclosure requirement as more than $25,000 in aggregate County leases, contracts, purchases or sales in any calendar year.

If you are unsure of whether the business you do with the County or a County agency will cross this threshold, err on the side of caution by completing the attached familial disclosure form because, among other potential penalties, any person found guilty of failing to make a required disclosure or knowingly filing a false, misleading, or incomplete disclosure will be prohibited from doing any business with the County for a period of three years. The required disclosure should be filed with the Board of Ethics by January 1 of each calendar year in which you are doing business with the County and again with each bid/proposal/quotation to do business with Cook County. The Board of Ethics may assess a late filing fee of $100 per day after an initial 30-day grace period.

The person that is doing business with the County must disclose his or her familial relationships. If the person on the County lease or contract or purchasing from or selling to the County is a business entity, then the business entity must disclose the familial relationships of the individuals who are and, during the year prior to doing business with the County, were:

- its board of directors,
- its officers,
- its employees or independent contractors responsible for the general administration of the entity,
- its agents authorized to execute documents on behalf of the entity, and
- its employees who directly engage or engaged in doing work with the County on behalf of the entity.

Do not hesitate to contact the Board of Ethics at (312) 603-4304 for assistance in determining the scope of any required familial relationship disclosure.

Additional Definitions:

"*Familial relationship*" means a person who is a spouse, domestic partner or civil union partner of a County employee or State, County or municipal official, or any person who is related to such an employee or official, whether by blood, marriage or adoption, as a:

☐ Parent	☐ Grandparent	☐ Stepfather
☐ Child	☐ Grandchild	☐ Stepmother
☐ Brother	☐ Father-in-law	☐ Stepson
☐ Sister	☐ Mother-in-law	☐ Stepdaughter
☐ Aunt	☐ Son-in-law	☐ Stepbrother
☐ Uncle	☐ Daughter-in-law	☐ Stepsister
☐ Niece	☐ Brother-in-law	☐ Half-brother
☐ Nephew	☐ Sister-in-law	☐ Half-sister

COOK COUNTY BOARD OF ETHICS
FAMILIAL RELATIONSHIP DISCLOSURE FORM

A. PERSON DOING OR SEEKING TO DO BUSINESS WITH THE COUNTY

Name of Person Doing Business with the County: Michael Baker International, Inc.

Address of Person Doing Business with the County: 200 West Adams Street, Suite 1800, Chicago, IL 60606

Phone number of Person Doing Business with the County: 312-707-8770

Email address of Person Doing Business with the County: joseph.catalano@mbakerintl.com

If Person Doing Business with the County is a Business Entity, provide the name, title and contact information for the individual completing this disclosure on behalf of the Person Doing Business with the County:
Joseph Catalano, Vice President, Michael Baker International, Inc., 312.707.8770, joseph.catalano@mbakerintl.com

B. DESCRIPTION OF BUSINESS WITH THE COUNTY

Append additional pages as needed and for each County lease, contract, purchase or sale sought and/or obtained during the calendar year of this disclosure (or the proceeding calendar year if disclosure is made on January 1), identify:

The lease number, contract number, purchase order number, request for proposal number and/or request for qualification number associated with the business you are doing or seeking to do with the County: 2238-06220

The aggregate dollar value of the business you are doing or seeking to do with the County: $4,796,720.00

The name, title and contact information for the County official(s) or employee(s) involved in negotiating the business you are doing or seeking to do with the County:

Robert Stuart, Deputy CPO, robert.stuart@cookcountyil.gov

The name, title and contact information for the County official(s) or employee(s) involved in managing the business you are doing or seeking to do with the County:

Cho Ng, Contracts Manager, cho.ng@cookcountyil.gov

C. DISCLOSURE OF FAMILIAL RELATIONSHIPS WITH COUNTY EMPLOYEES OR STATE, COUNTY OR MUNICIPAL ELECTED OFFICIALS

Check the box that applies and provide related information where needed

The Person Doing Business with the County **is an individual** and there is **no familial relationship** between this individual and any Cook County employee or any person holding elective office in the State of Illinois, Cook County, or any municipality within Cook County.

x The Person Doing Business with the County **is a business entity** and there is **no familial relationship** between any member of this business entity's board of directors, officers, persons responsible for general administration of the business entity, agents authorized to execute documents on behalf of the business entity or employees directly engaged in contractual work with the County on behalf of the business entity, and any Cook County employee or any person holding elective office in the State of Illinois, Cook County, or any municipality within Cook County.

COOK COUNTY BOARD OF ETHICS
FAMILIAL RELATIONSHIP DISCLOSURE FORM

The Person Doing Business with the County **is an individual** and **there is a familial relationship** between this individual and at least one Cook County employee and/or a person or persons holding elective office in the State of Illinois, Cook County, and/or any municipality within Cook County. **The familial relationships are as follows:**

Name of Individual Doing Business with the County	Name of Related County Employee or State, County or Municipal Elected Official	Title and Position of Related County Employee or State, County or Municipal Elected Official	Nature of Familial Relationship*

If more space is needed, attach an additional sheet following the above format.

The Person Doing Business with the County **is a business entity** and **there is a familial relationship** between at least one member of this business entity's board of directors, officers, persons responsible for general administration of the business entity, agents authorized to execute documents on behalf of the business entity and/or employees directly engaged in contractual work with the County on behalf of the business entity, on the one hand, and at least one Cook County employee and/or a person holding elective office in the State of Illinois, Cook County, and/or any municipality within Cook County, on the other. **The familial relationships are as follows**:

Name of Member of Board of Director for Business Entity Doing Business with the County	Name of Related County Employee or State, County or Municipal Elected Official	Title and Position of Related County Employee or State, County or Municipal Elected Official	Nature of Familial Relationship*

Name of Officer for Business Entity Doing Business with the County	Name of Related County Employee or State, County or Municipal Elected Official	Title and Position of Related County Employee or State, County or Municipal Elected Official	Nature of Familial Relationship*

Name of Person Responsible for the General Administration of the Business Entity Doing Business with the County	Name of Related County Employee or State, County or Municipal Elected Official	Title and Position of Related County Employee or State, County or Municipal Elected Official	Nature of Familial Relationship*

Name of Agent Authorized to Execute Documents for Business Entity Doing Business with the County	Name of Related County Employee or State, County or Municipal Elected Official	Title and Position of Related County Employee or State, County or Municipal Elected Official	Nature of Familial Relationship*

Name of Employee of Business Entity Directly Engaged in Doing Business with the County	Name of Related County Employee or State, County or Municipal Elected Official	Title and Position of Related County Employee or State, County or Municipal Elected Official	Nature of Familial Relationship*

If more space is needed, attach an additional sheet following the above format.

VERIFICATION: To the best of my knowledge, the information I have provided on this disclosure form is accurate and complete. I acknowledge that an inaccurate or incomplete disclosure is punishable by law, including but not limited to fines and debarment.

Joseph Catalano

Signature of Recipient

04/26/2023

Date

SUBMIT COMPLETED FORM TO: Cook County Board of Ethics
69 West Washington Street, Suite 3040, Chicago, Illinois 60602
Office (312) 603-4304 – Fax (312) 603-9988
CookCounty.Ethics@cookcountyil.gov

* Spouse, domestic partner, civil union partner or parent, child, sibling, aunt, uncle, niece, nephew, grandparent or grandchild by blood, marriage (*i.e.* in laws and step relations) or adoption.

SECTION 4

COOK COUNTY AFFIDAVIT FOR WAGE THEFT ORDINANCE

Effective May 1, 2015, every Person, ***including Substantial Owners***, seeking a Contract with Cook County must comply with the Cook County Wage Theft Ordinance set forth in Chapter 34, Article IV, Section 179. Any Person/Substantial Owner, who fails to comply with Cook County Wage Theft Ordinance, may request that the Chief Procurement Officer grant a reduction or waiver in accordance with Section 34-179(d).

"*Contract*" means any written document to make Procurements by or on behalf of Cook County.

"*Person*" means any individual, corporation, partnership, Joint Venture, trust, association, limited liability company, sole proprietorship or other legal entity.

"*Procurement*" means obtaining supplies, equipment, goods, or services of any kind.

"*Substantial Owner*" means any person or persons who own or hold a twenty-five percent (25%) or more percentage of interest in any business entity seeking a County Privilege, including those shareholders, general or limited partners, beneficiaries and principals; except where a business entity is an individual or sole proprietorship, Substantial Owner means that individual or sole proprietor.

All Persons/Substantial Owners are required to complete this affidavit and comply with the Cook County Wage Theft Ordinance before any Contract is awarded. Signature of this form constitutes a certification the information provided below is correct and complete, and that the individual(s) signing this form has/have personal knowledge of such information. **County reserves the right to request additional information to verify veracity of information contained in this Affidavit.**

I. Contract Information:

Contract Number: 2238-06220

County Using Agency (requesting Procurement): Department of Transportation and Highways

II. Person/Substantial Owner Information:

Person (Corporate Entity Name): Michael Baker International, Inc.

Substantial Owner Complete Name: _____

FEIN# 25-1228636

[redacted] E-mail address: Joseph@Catalano@mbakerintl.com

Street Address: 200 West Adams Street, Suite 1800

City: Chicago State: IL Zip: 60606

[redacted]

III. Compliance with Wage Laws:

Within the past five years has the Person/Substantial Owner, in any judicial or administrative proceeding, been convicted of, entered a plea, made an admission of guilt or liability, or had an administrative finding made for committing a repeated or willful violation of any of the following laws:

No	*Illinois Wage Payment and Collection Act, 820 ILCS 115/1 et seq.,* ***YES or NO***
No	*Illinois Minimum Wage Act, 820 ILCS 105/1 et seq.,* ***YES or NO***
No	*Illinois Worker Adjustment and Retraining Notification Act, 820 ILCS 65/1 et seq.,* ***YES or NO***
No	*Employee Classification Act, 820 ILCS 185/1 et seq.,* **YES or NO**
No	*Fair Labor Standards Act of 1938, 29 U.S.C. 201, et seq.,* ***YES or NO***
No	*Any comparable state statute or regulation of any state, which governs the payment of wages* ***YES or NO***

If the Person/Substantial Owner answered **"Yes"** to any of the questions above, it is ineligible to enter into a Contract with Cook County, but can request a reduction or waiver under **Section IV.**

IV. Request for Waiver or Reduction

If Person/Substantial Owner answered **"Yes"** to any of the questions above, it may request a reduction or waiver in accordance with Section 34-179(d), provided that the request for reduction of waiver is made on the basis of one or more of the following actions that have taken place:

No There has been a bona fide change in ownership or Control of the ineligible Person or Substantial Owner. YES or NO

No Disciplinary action has been taken against the individual(s) responsible for the acts giving rise to the violation. YES or NO

No Remedial action has been taken to prevent a recurrence of the acts giving rise to the disqualification or default. YES or NO

No Other factors that the Person or Substantial Owner believe are relevant. YES or NO

The Person/Substantial Owner must submit documentation to support the basis of its request for a reduction or waiver. The Chief Procurement Officer reserves the right to make additional inquiries and request additional documentation.

V. Affirmation

The Person/Substantial Owner affirms that all statements contained in the Affidavit are true, accurate and complete.

Signature: Joseph Catalano Date: 04/26/2023

Name of Person signing (Print): Joseph Catalano Title: Vice President

Subscribed and sworn to before me this 26th day of April, 2023

X L. Rodriguez

Notary Public Signature **Notary Seal**

Note: The above information is subject to verification prior to the award of the Contract.

L. RODRIGUEZ
OFFICIAL SEAL
Notary Public - State of Illinois
My Commission Expires Sep 18, 2024

SECTION 5

CONTRACT AND EDS EXECUTION PAGE

The Applicant hereby certifies and warrants that all of the statements, certifications and representations set forth in this EDS are true, complete and correct; that the Applicant is in full compliance and will continue to be in compliance throughout the term of the Contract or County Privilege issued to the Applicant with all the policies and requirements set forth in this EDS; and that all facts and information provided by the Applicant in this EDS are true, complete and correct. The Applicant agrees to inform the Chief Procurement Officer in writing if any of such statements, certifications, representations, facts or information becomes or is found to be untrue, incomplete or incorrect during the term of the Contract or County Privilege.

Execution by Corporation

Michael Baker International, Inc.	Joseph Catalano
Corporation's Name	President's Printed Name and Signature
312.575.3923	joseph.catalano@mbakerintl.com
Telephone	Email
Terri A. Vojnovich	04/26/2023
Asst. Secretary Signature	Date

Execution by LLC

LLC Name	*Member/Manager Printed Name and Signature
Date	Telephone and Email

Execution by Partnership/Joint Venture

Partnership/Joint Venture Name	*Partner/Joint Venturer Printed Name and Signature
Date	Telephone and Email

Execution by Sole Proprietorship

Printed Name Signature	Assumed Name (if applicable)
Date	Telephone and Email

Subscribed and sworn to before me this
26th day of April, 20 23.

My commission expires: September 18, 2024

Notary Public Signature

Notary Seal

L RODRIGUEZ
OFFICIAL SEAL
Notary Public - State of Illinois
My Commission Expires Sep 18, 2024

*If the operating agreement, partnership agreement or governing documents requiring execution by multiple members, managers, partners, or joint venturers, please complete and execute additional Contract and EDS Execution Pages.

SECTION 6
COOK COUNTY SIGNATURE PAGE

ON BEHALF OF THE COUNTY OF COOK, A BODY POLITIC AND CORPORATE OF THE STATE OF ILLINOIS, THIS CONTRACT IS HEREBY EXECUTED BY:

Raffi Sarrafian Digitally signed by Raffi Sarrafian Date: 2023.07.12 17:42:28 -05'00'

Cook County Chief Procurement Officer

Date

APPROVED AS TO FORM:

Brian Tracy

Assistant State's Attorney
(Required on contracts over $1,000,000

7/11/2023

Date

CONTRACT TERM & AMOUNT

2238-06220
Contract #

July 1, 2023 through September 30, 2027
Original Contract Term

Renewal Options (If Applicable)

$4,796,720.00
Contract Amount

June 29, 2023
Cook County Board Approval Date (If Applicable)