

**RESOLUTION NO. 25-R-51**

**A RESOLUTION APPROVING A PROFESSIONAL SERVICES AGREEMENT  
WITH CHRISTOPHER B. BURKE ENGINEERING  
FOR TRAFFIC ENGINEERING FOR THE CHICAGO BEARS REDEVELOPMENT OF  
ARLINGTON INTERNATIONAL RACECOURSE**

**WHEREAS**, the City of Rolling Meadows, as a home rule unit of local government as provided by Article VII, Section 6(a) of the Illinois Constitution of 1970, has the authority to exercise any power and perform any function pertaining to its government and affairs; and

**WHEREAS**, the Village of Arlington Heights and an affiliated entity of the Chicago Bears Football Club, among other parties, have declared in a memorandum of understanding (“*MOU*”) their collective interest in redeveloping the former Arlington International Racecourse (“*Site*”) as a mixed-use transit-oriented development including a stadium capable of hosting National Football League games and other sporting and entertainment events as well as other entertainment and hospitality uses (“*Project*”); and

**WHEREAS**, the size and scope of the Project will necessarily generate both positive impacts and challenges that will affect the entire surrounding region and will uniquely affect the City and its residents; and

**WHEREAS**, the City surrounds the Site on three sides and the redevelopment of the Site with the Project will necessary utilize the City’s infrastructure and affect the City’s provision of public services important to the public health, safety, and welfare; and

**WHEREAS**, depending on its design, construction, and operation, the Project may generate significant levels of vehicular traffic upon the City’s streets and increase demand for diverse modes of transportation, including public transit, pedestrian pathways, bicycle infrastructure, rideshare and micro-mobility options, and parking and loading facilities; and

**WHEREAS**, the Project’s transportation impacts will include not only vehicle congestion, but also pedestrian safety, accessibility for persons with disabilities, active transportation, transit service capacity, neighborhood connectivity, emergency response routes, and the overall quality of life of the City’s residents, employers, and visitors; and

**WHEREAS**, the City Manager recommends the City enter into a Professional Services Agreement (“*Agreement*”) with Christopher B Burke Engineering (“*Consultant*”) to provide

traffic engineering services (“*Services*”) concerning the Project and the redevelopment of the Site;  
and

**WHEREAS**, the Corporate Authorities have determined that it is advisable, necessary and in the public interest that the City engage Consultant to provide the Services.

**NOW THEREFORE, BE IT RESOLVED** by the Mayor and City Council of the City of Rolling Meadows, Cook County, State of Illinois, as follows:

**Section 1:** The facts and statements contained in the preambles to this Resolution are found to be true and correct and are hereby adopted as part of this Resolution.

**Section 2:** Pursuant to the City’s Purchasing Manual and the City’s home rule authority, the City Council hereby approves the Agreement with Consultant attached as *Exhibit A*.

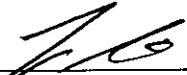
**Section 3:** This Resolution shall be in full force and effect upon its passage and approval in accordance with law.

**PASSED AND APPROVED** by the City Council of Rolling Meadows, Cook County, Illinois this 27<sup>th</sup> day of May, 2025.

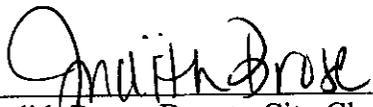
AYES: O’Brien, Boucher, Reyaz, Koehler, McHale

NAYS: 0

ABSENT: Budmats, Vinezeano

  
\_\_\_\_\_  
Lara Sanoica, Mayor

ATTEST:

  
\_\_\_\_\_  
Judith Brose, Deputy City Clerk

**Exhibit A**  
**Agreement**

**Agreement between THE CITY OF ROLLING MEADOWS, ILLINOIS  
and CHRISTOPHER B. BURKE ENGINEERING  
for the furnishing of PROFESSIONAL SERVICES  
for TRAFFIC ENGINEERING FOR THE CHICAGO BEARS REDEVELOPMENT OF ARLINGTON INTERNATIONAL  
RACECOURSE (2025)**

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THIS AGREEMENT made and entered into by and between the CITY OF ROLLING MEADOWS, ILLINOIS, hereinafter referred to as the "City," and CHRISTOPHER B. BURKE ENGINEERING, hereinafter referred to as the "Consultant," has been prepared and executed for Consultant to perform traffic engineering for the Chicago Bears Redevelopment of the Arlington International Racecourse. The review services to be performed by Consultant is hereinafter referred to as the "Project". This Agreement is hereinafter referred to as the "Agreement".

In consideration of these premises and of the mutual covenants herein set forth:

**A. THE CONSULTANT AGREES:**

**1. Provision of the Services.** The Consultant shall serve as the City's professional consultant and shall perform the consulting services described in its proposal attached hereto as **Exhibit B** and made a part hereof after first receiving a Notice to Proceed pursuant to this Agreement. Where there is any conflict between Exhibit B and this Agreement, this Agreement controls.

**2. Additional Services.** Additional services beyond the scope of the Consulting Services above-described, requested in writing by the City, shall be performed by the Consultant in accordance with the price as agreed upon in writing between the City and Consultant, and approved by the City.

**3. Nature of Professional Services.** The Consultant will perform Consulting Services under this Agreement in accordance with generally accepted and currently recognized practices and principles and in a manner consistent with that level of care and skill ordinarily exercised by members of its profession.

**4. Personnel & Subcontractors.**

- a. Key Project Personnel. All of Consultant's specific personnel identified in **Exhibit B** ("**Key Project Personnel**") shall be primarily responsible for carrying

out the Project on behalf of the Consultant. The Key Project Personnel shall not be changed without the City's prior written approval.

- b. Availability of Personnel. The Consultant shall provide all personnel necessary to complete the Project including, without limitation, any Key Project Personnel identified in this Agreement. The Consultant shall notify the City as soon as practicable prior to terminating the employment of, reassigning, or receiving notice of the resignation of, any Key Project Personnel. The Consultant shall have no claim for damages and shall not bill the City for additional time and materials charges as the result of any portion of the Services which must be duplicated or redone due to such termination or for any delay or extension of the Time of Performance as a result of any such termination, reassigning, or resignation.
- c. Approval and Use of Subcontractors. The Consultant shall perform the Project with its own personnel and under the management, supervision, and control of its own organization unless otherwise approved by the City in writing. All subcontractors used by the Consultant shall be acceptable to, and approved in advance by, the City, except that those subcontractors specifically identified in **Exhibit B** shall be deemed acceptable to and approved by the City without further action. The City's approval of any subcontractor or subcontract shall not relieve the Consultant of full responsibility and liability for the provision, performance, and completion of the Project as required by the Agreement. All Consulting Services

performed under any subcontract shall be subject to all of the provisions of this Agreement in the same manner as if performed by employees of the Consultant. For purposes of this Agreement, the term "Consultant" shall be deemed also to refer to all subcontractors of the Consultant, and every subcontract shall include a provision binding the subcontractor to all provisions of this Agreement.

- d. Removal of Personnel and Subcontractors. If any personnel or subcontractor fails to perform the Consulting Services in a manner satisfactory to the City, the Consultant shall immediately upon notice from the City remove and replace such personnel or subcontractor. The Consultant shall have no claim for damages, for compensation in excess of the amount contained in this Agreement or for a delay or extension of the Time of Performance as a result of any such removal or replacement.

5. **Minimum Insurance Requirements.** No later than five days after receiving the City's Notice to Proceed, and in any event prior to beginning to provide the Consulting Services, the Consultant shall procure and thereafter maintain for the duration of its Agreement insurance against errors and omissions and claims for injuries to its employees which may arise from, or are in conjunction with, the performance of the work hereunder by the Consultant, its agents, representatives, employees, or subcontractors. Consultant's insurance shall meet the minimum requirements attached hereto as **Exhibit A** and made a part hereof.

6. **Indemnity and Hold Harmless.** To the fullest extent permitted by law, the Consultant shall INDEMNIFY AND HOLD HARMLESS the City, its officials, employees and volunteers against injuries, deaths, loss, damages, claims, suits, liabilities, judgments, cost and expenses, which may in anyway accrue against the City, its officials, employees and volunteers, arising in whole or in part in consequence of the negligent acts, errors or omissions or willful misconduct of the services by the Consultant, its

employees, or subcontractors, or which may in any way result therefor, except that arising out of the negligence or willful act of the City, its officials, employees and volunteers. The Consultant shall, at its own expense, appear, defend and pay all reasonable charges of attorneys and all reasonable costs and other expenses arising therefore or incurred in conjunction therewith, and, if any judgment shall be rendered against the City, its officials, agents, employees and volunteers, in any such action, the Consultant shall, at its own expense, satisfy and discharge the same. Nothing contained herein shall be construed as prohibiting the City, its officials, employees and volunteers from defending, through the selection and use of their own agents, attorneys and experts, any injuries, deaths, loss, damages, claims, suits, liabilities, and judgments brought against them. The City's participation in its defense shall not remove the Consultant's duty to indemnify, defend and hold harmless the City as set forth herein.

7. **No Limitation of Indemnity and Hold Harmless.** Any insurance policies required by this Agreement, or otherwise provided by the Consultant, shall in no way limit the responsibility to indemnify, keep and save harmless and defend the City, its officials, agents, employees and volunteers and herein provided.

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

from and related to any breach of the foregoing representations and warranties.

**9. Compliance with Laws.** The Consultant will comply with all applicable federal and Illinois statutes, and local ordinances of the City and shall operate within and uphold the ordinances, rules and regulations of the City while engaged in Consulting Services herein described.

**10. Change Orders.** The City reserves the right by written change order or amendment to make changes in requirements, amount of work, or Consulting time schedule adjustments, and the Consultant and City shall negotiate appropriate adjustments acceptable to both parties to accommodate such changes.

**11. Suspension of Services.** The City may, at any time, by written order to the Consultant (Suspension of Services Order) require the Consultant to stop all, or any part, of the Consulting Services required by this Agreement. Upon receipt of such an order, the Consultant shall immediately comply with its terms and take all reasonable steps to minimize the costs associated with the services affected by such order. The City, however, shall pay all costs incurred by the suspension, including all costs necessary to maintain continuity and for the resumption of the Consulting Services upon expiration of the Suspension of Services Order. The Consultant will not be obligated to provide the same personnel employed prior to suspension, when the Consulting Services are resumed, in the event that the period of suspension is greater than thirty (30) days.

**12. Termination.** This Agreement may be terminated by the City, upon seven (7) days written notice to the Consultant, at its last known post office address. Provided that, should this Agreement be terminated by the City, the Consultant shall be paid for any Consulting Services completed and any Consulting Services partially completed. All field notes, test records, drawings, and reports completed or partially completed at the time of termination shall become the property of, and made available to, the City. Within five (5) business days after notification and request, the Consultant shall deliver to the successor City all property, books and effects of every description in its possession belonging to the City and pertaining to the Project.

**13. Termination for Insolvency.** This Agreement may be terminated by the City upon written

notice to the Consultant, at its last known post office address, upon the occurrence of any one or more of the following events, without cause and without prejudice to any other right or remedy:

- a. If the Consultant commences a voluntary case under any chapter of the Bankruptcy Code (Title 11, United States Code), as now or hereinafter in effect, or if the Consultant takes any equivalent or similar action by filing a petition or otherwise under any other federal or state law in effect at such time relating to bankruptcy or insolvency;
- b. If a petition is filed against the Consultant under any chapter of the Bankruptcy Code as now or hereafter in effect at the time of filing, or if a petition is filed seeking any such equivalent or similar relief against the Consultant under any other federal or state law in effect at the time relating to bankruptcy or insolvency.
- c. If the Consultant makes a general assignment for the benefit of creditors;
- d. If a trustee, receiver, custodian or agent of the Consultant is appointed under applicable law or under contract, whose appointment or authority to take charge of property of the Consultant is for the purpose of enforcing a Lien against such property or for the purpose of general administration of such property for the benefit of the Consultant's creditors;
- e. If the Consultant admits in writing an inability to pay its debts generally as they become due.

**14. Actions Upon Termination.** Upon termination, the Consultant shall deliver to the City, copies of partially completed plans, drawings, specifications, partial and completed estimates, and data, if any, from investigations and observations, with the understanding that all such material becomes the property of the City. In such case, the Consultant shall be paid for all Consulting Services and any expense sustained, less all costs incurred by the City, to have the services performed which were to have been performed by the Consultant.

**15. Representations of Consultant.** The Consultant is qualified technically and is conversant with the policies applicable to the performance of subject consultation and that sufficient, properly trained, and experienced personnel will be retained to perform the Consulting Services enumerated herein.

**16. Project Records.** The Consultant will maintain all books, documents, papers, accounting records, and other evidence pertaining to its costs incurred and relating to its performance of its Consulting Services and shall require its subcontractors to maintain all books, documents, papers, accounting records, and other evidence pertaining to their costs incurred and relating to their performance of their services under their subcontract in compliance with the requirements of the Local Records Act (50 ILCS 205/1 et seq.) and the Freedom of Information Act (5 ILCS 140/1 et seq.). The Consultant shall maintain all books and records relating to the performance of its Consulting Services under the Agreement and all subcontractors shall maintain books and records relating to their performance of work under their subcontract until written approval for the disposal of such records is obtained from the Local Records Commission has been obtained or for a period of three (3) years from the date of final payment under this Agreement, whichever is longer. All books and records required to be maintained by the Consultant and all subcontractors shall be available for review and audit by the City or representatives of the State of Illinois. The Consultant and its subcontractors shall cooperate fully with the City or the State (a) with any request for public records made pursuant to the Freedom of Information Act (5 ILCS 140/1 et seq.), (b) with any request for public records made pursuant to any audit and (c) by providing full access to and copying of all relevant books and records at the Consultant's office at all reasonable times and within a time period which allows the City or the State to timely comply with the time limits imposed by the Freedom of Information Act (5 ILCS 140/1 et seq.). Failure by the Consultant or its subcontractor to maintain the books, records, and supporting documents required by this section or the failure by the Consultant or its subcontractor to provide full access to and copying of all relevant books and records within a time period which allows the City to timely comply with the time limits imposed by the Freedom of Information Act (5 ILCS 140/1 et seq.) shall establish a presumption in favor of the City for the recovery of any funds paid by the City

under the Agreement for which adequate books and records are not available or for the recovery for any penalties or attorneys' fees imposed by the Freedom of Information Act (5 ILCS 140/1 et seq.). The Consultant shall include the requirements of this section in all subcontracts. The obligations imposed by this section shall survive final payment and the termination of the other obligations imposed by the Agreement.

**17. No Inducement.** The Consultant warrants that Consultant has not employed or retained any company or person, other than an employee working solely for the Consultant, to secure this Agreement, and that the Consultant has not paid or agreed to pay any company or person any fee, commission, percentage, brokerage fee, gifts, or any other consideration, contingent upon or resulting from the award or making of this Agreement. For breach or violation of this warranty, the City shall have the right to annul this Agreement without liability, or, in its discretion, to deduct from the Agreement price or consideration, or otherwise recover, the full amount of such fee, commission, percentage, brokerage fee, gifts, or contingent fee.

**18. Limitation Upon Work Within City.** The Consultant, during the period commencing upon the execution of this Agreement and concluding one (1) year following the completion of the Project, shall not accept employment from any developer developing land within the City or any contractor, subcontractor or material supplier performing work or supplying material to the City without the express written consent of the City.

**19. No Assignment.** This Agreement shall be deemed to be exclusive between the City and the Consultant. This Agreement shall not be assigned by the Consultant without first obtaining permission in writing from the City.

**20. Copyright of Deliverables.** All books, papers, notes, records, lists, data, files, forms, reports, accounts, documents, manuals, handbooks, instructions, computer programs, computer software, computer disks and diskettes, magnetic media, electronic files, printouts, backups, and computer databases created or modified by the Consultant relating in any manner to the work performed by the Consultant or by anyone else and used by the Consultant in performance of the services under this Agreement (the "**Work**") shall be a "work made for hire" as defined by the laws of the United States regarding copyrights.

**21. Assignment of Deliverables.** The Consultant hereby assigns to the City and its successors and assigns all of its right, title, interest and ownership in the Project deliverables, including, but not limited to, copyrights, trademarks, patents, and trade secret rights and the rights to secure any renewals, reissues, and extensions thereof. The Consultant grants permission to the City to register the copyright and other rights in the Work in the City's name for use on the Project. The Consultant shall give the City, or any other person designated by the City all assistance reasonably necessary to perfect its rights under this Agreement and to sign such applications, documents, assignment forms and other papers as the City requests from time to time to further confirm this assignment. The Consultant further grants to the City full and complete ownership of the Project deliverables. The Consultant shall not use the Project deliverables for the benefit of anyone other than the City, without the City's prior written permission. Upon completion of the Work or other termination of this Agreement the Consultant shall deliver to the City all copies of Project deliverables relating or pertaining to this Agreement.

**22. Confidentiality.** The Consultant will not at any time, either directly or indirectly, disclose, use or communicate or attempt to disclose, use or communicate to any person, firm, or corporation any confidential information or any other information concerning the business, services, finances or operations of the City except as expressly authorized by the City. The Consultant shall treat such information at all times as confidential. The Consultant acknowledges that each of the following can contain confidential information of the City and that the disclosure of any of the following by the Consultant without the City's express authorization would be harmful and damaging to the City's interests:

- a. Compilations of resident names and addresses, resident lists, resident payment histories, resident information reports, any other resident information, computer programs, computer software, printouts, backups, computer disks and diskettes, and computer databases and which are not otherwise known to the public.
- b. All information relating to the Consulting Services being performed by the

Consultant under this Agreement, regardless of its type or form and which are not otherwise known to the public.

- c. Ideas, concepts, designs and plans which are specifically involved with the Consulting Services being performed by the Consultant under this Agreement which are created, designed, enhanced by the Consultant and which are not otherwise known to the public.
- d. Financial information and police records.

This itemization of confidential information is not exclusive; there may be other information that is included within this covenant of confidentiality. This information is confidential whether or not it is expressed on paper, disk, diskette, magnetic media, optical media, monitor, screen, or any other medium or form of expression. The phrase "directly or indirectly" includes, but is not limited to, acting through Consultant's wife, children, parents, brothers, sisters, or any other relatives, friends, partners, trustees, agents or associates.

**23. City Records.** All books, papers, records, lists, files, forms, reports, accounts, documents, manuals, handbooks, instructions, computer programs, computer software, computer disks and diskettes, printouts, backups, and computer databases relating in any manner to the City's business, services, programs, software or residents, whether prepared by the Consultant or anyone else, are the exclusive property of the City. In addition, all papers, notes, data, reference material, documentation, programs, diskettes (demonstration or otherwise), magnetic media, optical media, printouts, backups, and all other media and forms of expression that in any way include, incorporate or reflect any confidential information of the City (as defined above) are the exclusive property of the City. The Consultant shall immediately return said items to the City upon termination of the Consultant's engagement or earlier at the City's request at any time.

**24. Breach of Confidentiality.** In the event of breach of the confidentiality provisions of this Agreement, it shall be conclusively presumed that irreparable injury would result to the City and there would be no adequate remedy at law. The City shall be entitled to obtain temporary and permanent injunctions, without bond and without proving damages, to enforce this

Agreement. The City is entitled to damages for any breach of the injunction, including, but not limited to, compensatory, incidental, consequential, exemplary and punitive damages. The confidentiality provisions of this Agreement survive the termination or performance of this Agreement.

**25. Compliance with Law.** The Consultant will comply with all laws, codes, ordinances and regulations which are in effect as of the date of this Agreement.

**26. Time of Performance.** Time is hereby declared to be of the essence of this Agreement. The Consultant shall commence work upon receipt of a Notice to Proceed and shall complete the Consulting Services according to the schedule within Consultant's proposal attached as *Exhibit B*.

**B. THE CITY AGREES:**

**1. Fee for Services.** The City shall pay the Consultant, for the Consulting Services above described, a fee not to exceed **TWENTY-NINE THOUSAND, FIVE HUNDRED Dollars and 00/100 Cents (\$29,500.00)** as provided in *Exhibit B*. This fee may be modified as follows:

**2. Cooperation with Services.** The Consultant shall indicate to the City the information needed for rendering of the Consulting Services of this Agreement. The City shall provide to the Consultant such information as is available to the City and the City's Consultants and contractors, and the Consultant shall be entitled to rely upon the accuracy and completeness thereof.

**3. Invoices and Payment.** The City, for and in consideration of the rendering of the Consulting Services enumerated herein shall pay to the Consultant for rendering such Consulting Services the fee hereinbefore established in the following manner:

- a. Upon receipt of monthly statements from the Consultant and the approval thereof by the City, payments for the work performed shall be due and payable to the Consultant within thirty (30) days after approval by the City.
- b. Payments shall be made in accordance with the Local Government Prompt Payment Act (50 ILCS 505/1 *et seq.*).

**C. IT IS MUTUALLY AGREED:**

**1. Relationship of the Parties.** The Consultant is an independent contractor in the performance of this Agreement, and it is understood that the parties have not entered into any joint venture or partnership with the other. The Consultant shall not be considered to be the agent of the City. Nothing contained in this Agreement shall create a contractual relationship with a cause of action in favor of a third party against either the City or Consultant.

**2. Designees.** Each party to this Agreement shall designate one or more persons to act with authority on its behalf with respect to appropriate aspects of the Project. The persons designated shall review and respond promptly to all communications received from the other party.

**3.** [Reserved.]

**4. Written Notices.** Written notices between the City and the Consultant shall be deemed sufficiently given after being placed in the United States mail, registered or certified, postage pre-paid, addressed to the appropriate party as follows:

- a. If to the City:  
City of Rolling Meadows  
3600 Kirchoff Road  
Rolling Meadows, Illinois 60008  
Attn: City Manager  
cc: Director of Community Development
- b. If to the Consultant:  
Christopher B. Burke  
Engineering  
9575 West Higgins Road  
Suite 600  
Rosemont, IL 60018  
Attn: Elizabeth Jensen, PE,  
PTOE
- c. Either party may change its mailing address by giving written notice to the other party as provided above. Whenever this Agreement requires one party to give the other notice, such notice shall be given only in the form

and to the addresses described in this paragraph.

**5. Entire Agreement.** This Agreement represents the entire and integrated contract between the parties and supersedes all prior negotiations, representations or understandings, whether written or oral. This Agreement may only be amended by written instrument executed by authorized signatories of the City and the Consultant.

**6. Successors.** The terms of this Agreement shall be binding upon and inure to the benefit of the parties and their respective successors.

**7. No Waiver.** The waiver of one party of any breach of this Agreement or the failure of one party to enforce at any time, or for any period of time, any of the provisions hereof, shall be limited to the particular instance, shall not operate or be deemed to waive any future breaches of this Agreement and shall not be construed to be a waiver of any provision, except for the particular instance.

**8. Provisions Severable.** If any term, covenant, or condition of this Agreement or the application thereof to any person or circumstance shall, to any extent, be invalid or unenforceable, the remainder of this contract shall not be affected thereby; and each term, covenant or condition of this Agreement shall be valid and shall be enforced to the fullest extent permitted by law.

**9. Governing Laws.** This Agreement shall be construed under and governed by the laws of the State of Illinois, and all actions brought to enforce the dispute resolution provisions of this Agreement shall be so brought in the Circuit Court of Cook County, State of Illinois.

**10. Counterpart Execution.** This Agreement may be signed in counterparts, each of which shall be deemed to be an original, but all of which, taken together, shall constitute one and the same instrument.

**11. Headings.** The headings, titles, and captions in this Agreement have been inserted only for convenience and in no way define, limit, extend, or describe the scope or intent of this Agreement.

**12. Required Provisions.** Every provision required by law to be inserted into this Agreement shall be deemed to be inserted herein.

#### **D. CERTIFICATION OF CONSULTANT**

The Consultant certifies that the Consultant, its shareholders holding more than five percent (5%) of the outstanding shares of the Consultant, its officers and directors are:

1. Not delinquent in the payment of taxes to the Illinois Department of Revenue in accordance with 65 ILCS 5/11-42.1-1;
2. Not barred from contracting as a result of a violation of either Section 33E-3 (bid rigging) or Section 33E-4 (bid rotating) of the Criminal Code of 1961 (720 ILCS 5/33E-3 and 5/33E-4);
3. Not in default, as defined in 5 ILCS 385/2, on an educational loan, as defined in 5 ILCS 385/1;
4. In compliance with the Veterans Preference Act (330 ILCS 55/0.01 *et seq.*);
5. In compliance with equal employment opportunities and that during the performance of the Agreement, the Consultant shall:
  - a. Not discriminate against any employee or applicant for employment because of race, color, religion, sex, marital status, national origin or ancestry, age, physical or mental handicap unrelated to ability, or an unfavorable discharge from military service; and further that it will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any such underutilization.
  - b. If it hires additional employees in order to perform this Agreement or any portion hereof, it will determine the availability (in accordance with the Illinois Department of Human Right's Rules and Regulations) of

minorities and women in the area(s) from which it may reasonably recruit, and it will hire for each job classification for which employees are hired in such a way that minorities and women are not underutilized.

- c. In all solicitations or advertisements for employees placed by it or on its behalf, it will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, marital status, national origin or ancestry, age, physical or mental handicap unrelated to ability, or an unfavorable discharge from military service.
- d. Send to each labor organization or representative of workers with which it has or is bound by a collective bargaining or other Agreement or understanding, a notice advising such labor organization or representative of the Consultant's obligations under the Illinois Human Rights Act and the Department's Rules and Regulations. If any such labor organization or representative fails or refuses to cooperate with the Consultant in its efforts to comply with such Act and Rules and Regulations, the Consultant will promptly so notify the Illinois Department of Human Rights; and the City and will recruit employees from other sources when necessary to fulfill its obligations thereunder.
- e. Submit reports as required by the Illinois Department of Human Rights, Rules and Regulations, furnish all relevant information as may from time to time be requested by the Department or

the contracting agency, and in all respects comply with the Illinois Human Rights Act and the Department's Rules and Regulations.

- f. Permit access to all relevant books, records, accounts, and work sites by personnel of the contracting agency and the Illinois Department of Human Rights for purposes of investigation to ascertain compliance with the Illinois Human Rights Act and the Department's Rules and Regulations.
- g. Not maintain or provide for its employees any segregated facilities at any of its establishments, and not permit its employees to perform their services at any location, under its control, where segregated facilities are maintained. As used in this section, the term "segregated facilities" means any waiting rooms, work areas, restrooms and washrooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees which are segregated by explicit directive or are in fact segregated on the basis or race, creed, color, or national origin because of habit, local custom, or otherwise.
- h. Consultant (except where it has obtained identical certifications from proposed Subcontractors and material suppliers for specific time periods), obtain

certifications in compliance with this subparagraph from proposed subcontractors or material suppliers prior to the award of a subcontract or the consummation of material supply Agreements, exceeding \$10,000.00 which are not exempt from the provisions of the Equal Opportunity clause, and that Consultant will retain such certifications in its files.

- i. In the event of the Consultant's non-compliance with the provisions of this Equal Employment Opportunity Clause, the Act or the Rules and Regulations of the Department, the Consultant may be declared ineligible for future contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations, and the contract may be cancelled or voided in whole or in part, and other sanctions or penalties may be imposed or remedies invoked as provided by statute or regulation.
9. In compliance with 775 ILCS 5/2-105(A)(4) by having in place and enforcing a written sexual harassment policy.
10. In agreement that in the event of non-compliance with the provisions of this certification relating to equal employment opportunity, the Illinois Human Rights Act or the Illinois Department of Human Rights, Rules and Regulations, the Consultant may be declared ineligible for future contracts with the City, and this Agreement may be canceled or voided in whole or in part, and such other sanctions or penalties may be imposed or remedies invoked as provided by statute or regulation.

11. In compliance with 30 ILCS 580/1 *et seq.* (Drug Free Workplace Act) by providing a drug-free workplace by:

a. Publishing a statement:

- (1) Notifying employees that the unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance, including cannabis, is prohibited in the Consultant's workplace.
- (2) Specifying the actions that will be taken against employees for violations of such prohibition.
- (3) Notifying the employee that, as a condition of employment on such Agreement, the employee will:
  - (a). Abide by the terms of the statement; and
  - (b). Notify the employer of any criminal drug statute conviction for a violation occurring in the workplace no later than five (5) days after such conviction.

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

- (1) The dangers of drug abuse in the workplace; and
- (2) The Consultant's policy of maintaining a drug-free workplace; and

- (3) Any available drug counseling, rehabilitation, and employee assistance program; and
  - (4) The penalties that may be imposed upon employees for drug violations.
- c. Making it a requirement to give a copy of the statement required by this subparagraph to each employee engaged in the performance of the Agreement, and to post the statement in a prominent place in the workplace.
  - d. Notifying the City within ten (10) days after receiving notice under this subparagraph from any employee or otherwise receiving actual notice of such conviction.
  - e. Imposing a sanction on or requiring the satisfactory participation in a drug abuse assistance or rehabilitation program by any employee who is so convicted, as required by 30 ILCS 580/5.
  - f. Assisting employees in selecting a course of action in the event drug counseling treatment and rehabilitation is required and indicating that a trained referral team is in place.
  - g. Making a good faith effort to continue to maintain a drug-free workplace through implementation of this section.
- 9. [Reserved.]
  - 10. Not a City official, spouse or dependent child of a City official, agent on behalf of

any City official or trust in which a City official, the spouse or dependent child of a City official.

- 11. Not having solicited any gratuity, discount, entertainment, hospitality, loan, forbearance, or other tangible or intangible item having monetary value including, but not limited to, cash, food and drink, and honoraria for speaking engagements related to or attributable to the government employment or the official position of the employee or officer from the Consultant.
- 12. Not having given to any officer or employee of the City any gratuity, discount, entertainment, hospitality, loan, forbearance, or other tangible or intangible item having monetary value including, but not limited to, cash, food and drink, and honoraria for speaking engagements related to or attributable to the government employment or the official position of the employee or officer.
- 13. In agreement that, pursuant to the provisions of the Illinois Freedom of Information Act, (5 ILCS 140/1 *et seq.*), documents or records prepared or used in relation to work performed under this Agreement are considered a public record of the City; and therefore, the Consultant shall review its records and promptly produce to the City any records in the Consultant's possession which the City requires in order to properly respond to a request made pursuant to the Illinois Freedom of Information Act (5 ILCS 140/1 *et seq.*), and the Consultant agrees that it shall produce to the City such records within three (3) business days of a request for such records from the City at no additional cost to the City.

**[REMAINDER OF PAGE  
INTENTIONALLY LEFT BLANK]**

**IN WITNESS WHEREOF**, the parties have caused this Agreement to be executed by their duly authorized officers as of the dates below indicated.

Executed by the City, this \_\_\_\_ day of \_\_\_\_\_, 20\_\_.

CITY OF ROLLING MEADOWS  
3600 Kirchoff Road  
Rolling Meadows, Illinois 60008

By \_\_\_\_\_  
Rob Sabo, City Manager

ATTEST

By \_\_\_\_\_  
Judy Brose, Deputy City Clerk

Executed by the Consultant, this \_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

By \_\_\_\_\_

Title: \_\_\_\_\_

**EXHIBIT A**  
**Minimum Insurance Requirements**

**a. Minimum Scope of Insurance**

Coverage shall be at least as broad as:

- (1) Insurance Services Office Commercial General Liability occurrence form CG 0001 (Ed. 11/85);
- (2) Insurance Services Office form number CA 0001 (ed. 1/87) covering Automobile Liability, symbol 01 "any auto" and endorsement CA 0029 (Ed. 12/88) changes in Business Auto and Truckers coverage forms - Insured Contract or ISO form number CA 0001 (Ed. 12/90);
- (3) Professional Liability/Malpractice Liability policy; and
- (4) Workers' Compensation as required by the Labor Code of the State of Illinois and Employers' Liability insurance.

**b. Minimum Limits of Insurance**

The Consultant shall maintain limits no less than:

- (1) Commercial General Liability: \$1,000,000 combined single limit per occurrence for bodily injury, personal injury, and property damage. The general aggregate shall be \$2,000,000 per Project.
- (2) Automobile Liability: \$1,000,000 combined single limit per accident or bodily injury and property damage.
- (3) Professional Liability: \$2,000,000 single limit for errors and omissions, professional/malpractice liability.
- (4) Workers' Compensation and Employers' Liability: Workers' Compensation insurance of \$1,000,000, and Employers' Liability limits of \$500,000 per accident.
- (5) Umbrella Liability: \$5,000,000 combined single limit per occurrence for bodily injury, personal injury, and property damage. Minimum Aggregate shall be no less than \$5,000,000 per person, per aggregate.

**c. Deductibles and Self-Insured Retentions**

Any deductibles or self-insured retentions must be declared to and approved by the City. At the option of the City, either the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the City, its officials, employees and volunteers; or the Consultant shall procure a bond guaranteeing payment of losses and related investigation, claim administration and defense expenses.

**d. Other Insurance Provisions**

The policies are to contain, or be endorsed to contain the following provisions:

- (1) **General Liability and Automobile Liability Coverages**

- (a) The City, its officials, employees and volunteers are to be covered as additional insured as respects: liability arising out of activities performed by or on behalf of the Consultant; or automobiles owned, leased, hired or borrowed by the Consultant. The coverage shall contain no special limitations on the scope of protection afforded to the City, its officials, employees, and volunteers.
- (b) The Consultant's insurance coverage shall be primary as respects the additional insureds. Any insurance or self-insurance maintained by the City, its officials, agents, employees, and volunteers shall be in excess of the Consultant's insurance and shall not contribute with it.
- (c) Any failure to comply with reporting provisions of the policies shall not affect coverage provided to the City, its officials, agents, employees, and volunteers.
- (d) The Consultant's insurance shall contain a severability of interests' clause or language stating that the Consultant's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.

**(2) Workers' Compensation Coverage**

The insurer shall waive all rights of subrogation against the City, its officials, employees, agents and volunteers for losses arising from work performed by Consultant for the City.

**(3) All Coverages**

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

**e. Acceptability of Insurers**

The insurance carrier used by the Consultant shall have a minimum insurance rating of A+ according to the AM Best Insurance Rating Schedule and licensed to do business in the State of Illinois.

**f. Verification of Coverage**

The Consultant shall furnish the City with certificates of insurance and with copies of endorsements affecting coverage. The certificates and endorsement for the insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. The certificates and endorsements may be on forms provided by the insurance carrier and are to be received and approved by the City before any work commences. The City reserves the right to request full certified copies of the insurance policies.

**EXHIBIT B**  
**Consultant's Proposal for the Service**



**CHRISTOPHER B. BURKE ENGINEERING, LTD.**

9575 West Higgins Road Suite 600 Rosemont, Illinois 60018 TEL (847) 823-0500 FAX (847) 823-0520

May 22, 2025

City of Rolling Meadows  
3900 Berdnick Street  
Rolling Meadows, Illinois 60008

Attention: Mr. Aaron Grosskopf  
Director of Public Works

Subject: Professional Services Agreement  
Arlington Park Development

Dear Mr. Grosskopf:

Christopher B. Burke Engineering, Ltd. (CBBEL) and Tyler Krage Consulting LLC (referred to in the proposal as “the CBBEL team”) is pleased to submit this proposal for Engineering Review Services regarding the redevelopment of Arlington Park. Included with this proposal is our Understanding of the Assignment, Scope of Services, and Estimate of Fee.

**UNDERSTANDING OF THE ASSIGNMENT**

The City of Rolling Meadows (City) is seeking engineering support to assist with reviewing site plans, traffic studies, and associated preliminary engineering documents related to the redevelopment of Arlington Park. The focus of the assignment will be representing the City’s interests in the redevelopment and ensuring the traffic study meets best engineering practices. All traffic review items will be focusing on impacts and improvements to the transportation network within the City limits of Rolling Meadows. Review of detailed engineering plans, wayfinding plans, emergency evacuation plans, transit operations, and subsequent stages of the development process will be included in a separate contract at the City’s discretion.

**SCOPE OF SERVICES**

**Task 1 – Site Plan Review:** The CBBEL team will review the proposed site plan from a traffic operations perspective to concur with estimated parking demand, review internal site traffic circulation, and make recommendations on pedestrian and bicycle connectivity within the development and outside the development within the City. As part of this task, the CBBEL team will review any planned shuttle services to confirm the on-site parking accommodations and ped/bike network requirements.

**Task 2 – TIS Review:** The CBBEL team will review the initial Traffic Impact Study (TIS) submittal and associated engineering documents to ensure the study meets guidelines

contained in the ITE Trip Generation Manual, IDOT Design Criteria, and meets engineering best practices from a traffic operations perspective.

**Task 2.1 – Site Volume Development Confirmation:** The CBBEL team will recalculate and confirm the projected site generated volume from the development using ITE trip generations rates for each of the land uses included in the development's site plan. Identify critical design hourly periods for special events such as concerts overlapping with the PM peak period, football games overlapping with local church traffic, Saturday stadium events overlapping with the Saturday mid-day peak traffic, or any other potential concurrent traffic scenarios that the City deems critical.

**Task 2.2 – Site Volume Distribution Analysis:** Once the site generated volumes are confirmed, the CBBEL team will review the TIS volume distribution and mode assignment to ensure that projected intersection volumes portray reasonable and realistic assumptions.

**Task 2.3 – Data Collection (Optional):** Fee has been included in this task to collect 16-hour counts at three locations to confirm the consultant's data as necessary. This data may be used to confirm signal warrant and capacity analysis results at critical intersections. This task is optional and will only be charged if approved by the City.

**Task 2.4 – Impact Analysis and Recommended Mitigations:** After the intersection volumes and distributions within the study boundaries are checked, the CBBEL team will review the capacity analysis and ensure that recommended mitigation measures are included in the study's findings and conclusions. The CBBEL team will conduct a thorough review of the TIS report to concur with or dispute its findings.

**Task 3 – City Council Meeting Presentation:** The CBBEL team will attend and prepare a presentation to City on the TIS review and any study recommendations. Hours have been included in this task for meeting preparation, meeting exhibits, and meeting minutes. One City Council Meeting and presentation is included in this task.

**Task 4 – ITS Upgrade Recommendations:** The CBBEL team will review the City's existing traffic signal infrastructure and recommend improvements to better handle special event traffic volumes and traffic surveillance. Hours have been included to make a site visit to the Arlington Park area signalized intersections within, adjacent to, and at locations that will impact the City. An inventory of existing traffic signal equipment will be created and used to develop recommendations.

**Task 5 – QAQC and Project Management:** This task will include Quality Assurance / Quality Control of the project deliverables, including thorough reviews of the study recommendations. Hours have also been included for the administration costs of the contract.

**Task 6 – Ongoing Project Coordination (Optional):** At the City request, the CBBEL team can attend coordination meetings between the City, Village of Arlington Heights, and the Development's Consultant Team to represent the City's interest and describe any TIS study concerns/issues this would be in addition to written comments issued with Task 2.4. This task is optional and will be charged on a time and materials basis according to the standard billing rates on file.

**ESTIMATE OF FEE**

We have determined the following not to exceed costs for each of the tasks described in this proposal.

<b>TASK</b>	<b>DESCRIPTION</b>	<b>FEE</b>
Task 1	Site Plan Review	\$5,500
Task 2	TIS Review	—
Task 2.1	Site Volume Development Confirmation	\$3,000
Task 2.2	Site Volume Distribution Analysis	\$2,000
Task 2.3	Data Collection (Optional)	\$6,000
Task 2.4	Impact Analysis and Recommended Mitigation	\$3,000
Task 3	City Council Meeting Presentation	\$4,500
Task 4	ITS Upgrade Recommendations	\$3,000
Task 5	QA/QC and Project Management	\$2,500
Task 6	Ongoing Project Coordination (Optional)	T&M
	<b>TOTAL</b>	<b>\$29,500</b>

If this proposal is approved, this contract will incorporate all terms of the previously agreed upon General Terms and Conditions with the City contained in the December 12, 2022 City Engineering Services Proposal (approved by City Council on December 20, 2022).

Please sign and return one copy of this agreement as an indication of acceptance and notice to proceed. Please feel free to contact us anytime.

Sincerely,



Michael E. Kerr, PE  
President

THIS PROPOSAL ACCEPTED FOR THE CITY OF ROLLING MEADOWS.

BY: \_\_\_\_\_

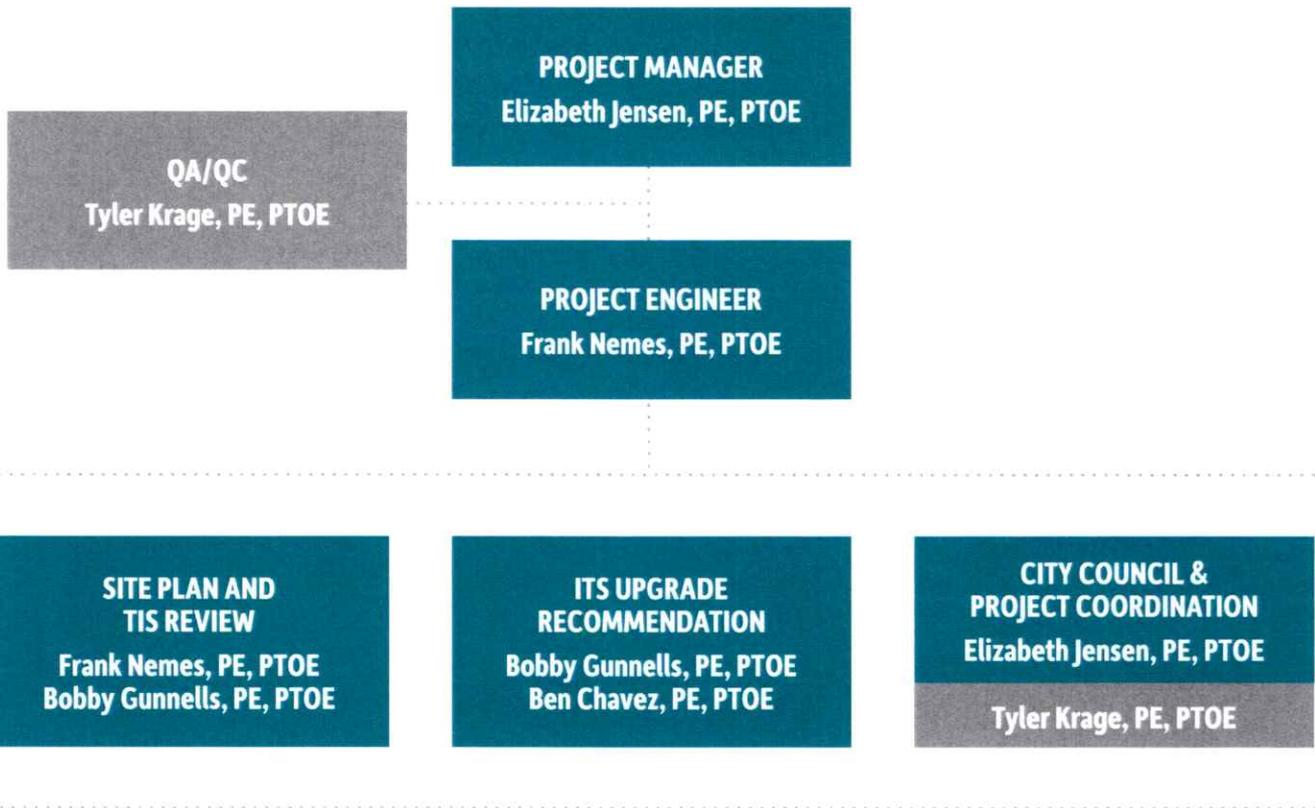
TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

# ORGANIZATIONAL CHART

## Arlington Park TIS Review Services

The CBBEL staff below, including subconsultant, are available immediately and throughout the contract duration to assist with the **ARLINGTON PARK TIS REVIEW SERVICES**. Our goal is to create a seamless environment between the City and our Project Team while delivering a quality, on-time project. When necessary, CBBEL will always call on more in-house resources to meet the needs of the City.



■ CBBEL Employee ■ Subconsultant

19	TRANSPORTATION DEPARTMENT	2	LANDSCAPE DESIGNERS	11	DRAINAGE DEPARTMENT
48	CIVIL DESIGN DEPARTMENT	8	TRAFFIC DEPARTMENT	13	ENVIRONMENTAL DEPARTMENT
55	PHASE III DEPARTMENT	13	MECHANICAL/LIGHTING DEPARTMENT	21	WATER RESOURCES DEPARTMENT
5	STRUCTURAL DEPARTMENT	14	SURVEY DEPARTMENT	6	MUNICIPAL DEPARTMENT

ADDITIONAL RESOURCES

# Similar Project Experience (CBBEL and Tyler Krage LLC)

## **Village of Rosemont , O'Hare Modernization Project (CBBEL)**

Under contract to provide Development and Municipal Services to the Village of Rosemont to review residential and commercial development plans, stormwater drainage, and other technical documents, which have included the O'Hare Modernization Project (OMP). CBBEL performed a review of the OMP Traffic Impact Study (TIS) as well as numerous site/civil reviews including geometric reviews, MOT review, and traffic signal review. CBBEL ensured conformance with the applicable requirements of the Village Code, back check trip calculations using the ITE Trip Generation standard practices and represented the Village's interest.

## **Sofi Stadium, Traffic Management Services (Tyler Krage)**

Developed traffic modeling for the entire City of Inglewood to analyze projected impacts from the Sofi Stadium development which is the home of the LA Chargers and LA Rams NFL teams. Services included calculating trip generation rates, assigning the estimated trips to be vehicle trips, transit trips, etc, and determining the ingress and egress vehicle routing. With this information, traffic models were developed to analyze the projected impact and develop traffic signal timing plans for special event traffic.

## **US Bank Stadium, Traffic Management Services (Tyler Krage)**

Created Synchro models for the northeast section adjacent to the US Bank stadium (home of the NFL Vikings) with the objective to better time the traffic signals for game days and special events. Services included data collection, traffic analysis and in-field timing implementation.

## **Village of Huntley, TIS Reviews (CBBEL)**

Under contract to review all proposed developments for the Village of Huntley, including regional Amazon facilities, warehousing developments, mixed use developments, and residential. Services include confirming the trip generation rate, calculating the projected site volumes, ensuring the volumes are correctly entered into the TIS consultant's modeling software, confirming the traffic analysis results.

## **City of Rolling Meadows, TIS Reviews (CBBEL)**

Reviewed and represented the City's interests in multiple TIS reviews including: Quick Trip development, St. Mary's expansion, Pacifica on Golf, and the Raising Caine's development. Since 2022, CBBEL has reviewed sixty-one (61) TIS submittals for municipal and County clients; ensuring that studies reflect appropriate volumes, assumptions and best engineering practices.

# Similar Project Experience

Christopher B. Burke Engineering, Ltd. has a proven track record for building relationships and providing review services to several communities over the last 38 years. These communities include:

## CURRENT VILLAGE/CITY ENGINEER & REVIEW SERVICES

CITY OF CRYSTAL LAKE			
CITY OF BLUE ISLAND	■	■	■
CITY OF DARIEN	■	■	■
CITY OF HARVARD	■	■	■
CITY OF HIGHWOOD	■	■	■
CITY OF NORTHLAKE	■	■	■
CITY OF OAKBROOK TERRACE	■	■	■
CITY OF PALOS HILLS	■	■	■
CITY OF ROLLING MEADOWS	■	■	■
CITY OF WOOD DALE		■	■
FOREST PRESERVE DISTRICT OF WILL COUNTY		■	
MCHENRY COUNTY DIVISION OF TRANSPORTATION			■
METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO			■
VILLAGE OF ADDISON			■
VILLAGE OF ALGONQUIN		■	■
VILLAGE OF BUFFALO GROVE		■	■
VILLAGE OF CAROL STREAM			■
VILLAGE OF CARY		■	■
VILLAGE OF CHICAGO RIDGE	■	■	■
VILLAGE OF CLARENDON HILLS	■	■	■
VILLAGE OF DEER PARK	■	■	■
VILLAGE OF ELMWOOD PARK	■	■	■
VILLAGE OF FOREST PARK	■	■	■
VILLAGE OF GLENDALE HEIGHTS	■	■	■
VILLAGE OF HARWOOD HEIGHTS		■	■
VILLAGE OF HAWTHORN WOODS	■	■	■
VILLAGE OF HINSDALE		■	■
VILLAGE OF HUNTLEY	■	■	■

VILLAGE OF KILDEER			■
VILLAGE OF LA GRANGE		■	■
VILLAGE OF LAKE BARRINGTON			■
VILLAGE OF LINCOLNWOOD	■	■	■
VILLAGE OF LINDENHURST	■	■	■
VILLAGE OF LONG GROVE			■
VILLAGE OF NORTHBROOK			■
VILLAGE OF OAK LAWN		■	■
VILLAGE OF OAK PARK		■	
VILLAGE OF RIVERSIDE	■	■	■
VILLAGE OF RIVERWOODS			■
VILLAGE OF ROSEMONT	■	■	■
VILLAGE OF SCHAUMBURG		■	■
VILLAGE OF SHOREWOOD	■	■	■
VILLAGE OF TINLEY PARK	■	■	■
VILLAGE OF VERNON HILLS			■
VILLAGE OF WAYNE	■	■	■
VILLAGE OF WESTCHESTER	■	■	■
VILLAGE OF WILLOWBROOK	■	■	■
VILLAGE OF WILMETTE		■	■



- MUNICIPAL ENGINEER
- PERMIT REVIEW ENGINEER
- STORMWATER/ENVIRONMENTAL REVIEWS



# Elizabeth Jensen, PE, PTOE

Head, Traffic Operations Department

**YEARS EXPERIENCE:** 14

**YEARS WITH CBBEL:** 13

## EDUCATION

Bachelor of Science, 2008  
Civil Engineering  
University of Illinois at Chicago

## PROFESSIONAL REGISTRATION

Professional Engineer, IL,  
062.067808, 2015

Professional Engineer, IN,  
PE12401062, 2024

## CERTIFICATIONS

Professional Traffic  
Operations Engineer, #4197

Traffic Signal Technician,  
Level II

## PROFESSIONAL AFFILIATIONS

Engineers Without Borders-  
Chicagoland Professional,  
Chapter President, 2014-2015

## PROFESSIONAL DEVELOPMENT

IDOT District 3:  
PCC Concrete Testers Course

Asphalt Inspection Class

Pavement Patching Course

Construction Survey Course

Safety Training Class

Earth Excavation Course

Piling and Deep  
Foundations Course

Small Drainage  
Structures Course

Bolting & Structure Steel  
Placement Course

Fall Protection Course

Liz is a registered Professional Engineer in the states of Illinois and Indiana as well as the Head of the Traffic Operations Department. She has extensive Phase I Traffic Studies and Phase II Traffic Signal design experience. Experience includes crash analysis, railroad coordination, PDR report development, intersection design studies, traffic impact studies, fiber optic interconnect and ATMS implementation.

Software Experience: VISSIM Microscopic Simulation program (PTV America), CORSIM Microscopic Simulation program (McTrans), Synchro/Sim Traffic Modeling (Trafficware), HCS 2025 (McTrans), Eagle/Tactics, Econolite/Aries and Centrats, ArcGIS Geographic Information Systems (ESRI), MicroStation V8i (Bentley), Microsoft Office

## RELEVANT TRAFFIC IMPACT STUDY EXPERIENCE:

**Engineering Services Contract:** Manages the TIS reviews for approximately 30 roadway agencies that CBBEL is under contract to provide TIS and site plan reviews. Engineering Review Services include presenting the municipality's position and interests at Zoning Board Meetings as well as providing informational presentations to Village Board meetings on upcoming developments. *Example Client: Village of Huntley, Scott Hajek, Village Engineer (SHajek@Huntley.il.us)*

**O'Hare Modernization Project TIS Review:** Contributed to the overall TIS review for the O'Hare Modernization Project which added two airport runways, rerouted access to US 12-45 Mannheim Road, and redeveloped the SE corner parcel to include rental car parking structure. The review was conducted on behalf of the Village of Rosemont. *Client: Village of Rosemont, Frank DiMatteo (DiMatteoF@VillageOfRosemont.org)*

## WORK EXPERIENCE:

**Various Traffic Engineering Design Services Contract, Illinois Department of Transportation:** Manages the PTB 207-018 contract with IDOT District One which is a five-year Various-Variety Work Order Traffic Signal Design Services Contract. As part of this contract, CBBEL has developed ATMS implementation plans for the State's Centrats and Tactics systems. Ms. Jensen's role is to perform QA/QC on all project submittals, manage invoicing, and coordinate with the client.

**Traffic Signal Modernization Project, Chicago Department of Transportation:** Manages CDOT's Traffic Signal Modernization Project #1A which includes acquiring Phase I Design Approval and developing Phase II plans for traffic signal and intersection improvements at 30 various intersections in the City of Chicago; 14 of the locations include IDOT jurisdiction. Tasks also included managing submittals and QA/QC for subconsultants.

**Traffic Signal Modernization and Replacement Project, Cook County Department of Transportation and Highways:** Managed the development of CBBEL and subconsultant traffic signal, ADA, signage, and pavement marking plans for 13 traffic signal replacements and 10 traffic signal upgrades located at various locations in Cook County. Also included in this project was upgrading the existing closed loop systems to a cloud-based ATMS system on Schaumburg Road.

**IL 38 Over I-39, Diverging Diamond Interchange, Illinois Department of Transportation, District 2:** Completed the Phase I traffic and crash studies as well as managed the Phase II traffic signal plan and specification development for the DDI ramps including the DDI cabinet wiring.

**88th Avenue/Cork Avenue Reconstruction and I-294 Interchange, Village of Justice:** Developed Phase II Traffic Signal plans for the reconstruction of 88th/Cork Avenue and the new ramps for the I-294 interchange. Project included IDOT and CCDOTH signal installations and fiber optic interconnect.

**Rosemont HSIP Safety Corridor Project, Village of Rosemont:** Managed and assembled the Phase I PDR for signal and pedestrian upgrades to 14 intersections along the Des Plaines River Road and Balmoral Avenue corridors. Phase II is currently ongoing. Project improvements include implementing Flashing Yellow Arrow signal indications at six intersections.

**Des Plaines River Trail, Segment 2, Village of Rosemont:** Responsible for the design and coordination of the CDOT traffic signal modernization for the intersection of East River Road and Bryn Mawr Avenue.

**63rd Street Flashing Yellow Arrow Project, DuPage County Division of Transportation:** Project Manager responsible for the Phase I approval on the HSIP funded 63rd Street Flashing Yellow Arrow project. Project is currently in Phase II and in the ROW acquisition process.

**Randall and Hopps Reconstruction and Grade Separation Project, Kane County Division of Transportation:** Managing the traffic signal removal, temporary traffic signal plans, and permanent traffic signal plans, IT network infrastructure plans, ICC/railroad coordination to reconstruct Randall Road over the CN railroad.

**95th Street at Museum Drive, Village of Oak Lawn:** Engineer responsible for traffic signal plans for the new railroad interconnected traffic signal at US 12-45/95th Street at Museum Drive. Assisted with ICC/railroad coordination.

**Traffic Signal Modernization, Wood Street Reconstruction Project:** Project Engineer responsible for preparation of contract plans and specifications for the removal and replacement of eight existing traffic signal installations, temporary and permanent traffic signal interconnect, and two interconnected railroad at-grade crossings. Project consisted of reconstruction of Wood Street (unmarked IDOT route) from 159th Street to 138th Street located in the municipalities of Harvey, Riverdale, and Dixmoor.

**Traffic Signal Modernization, Wood Street Reconstruction Project:** Project Engineer responsible for preparation of contract plans and specifications for the removal and replacement of eight existing traffic signal installations, temporary and permanent traffic signal interconnect, and two interconnected railroad at-grade crossings. Project consisted of reconstruction of Wood Street (unmarked IDOT route) from 159th Street to 138th Street located in the municipalities of Harvey, Riverdale, and Dixmoor.

## Tyler Krage, PE (IL, MN), PTOE – Owner & Traffic Engineer



### Years of Experience

11 years

### Education

B.S. Civil Engineering  
University of Minnesota  
2014

### Certifications

Professional Engineer  
IL, MN

Professional Traffic  
Operations Engineer

### Affiliations & Awards

Minnesota Society of  
Surveyors & Engineers

ITS MN

ITE

- Great Lakes District 2024  
Transportation  
Professional of the Year
- International ITE 2024  
Council Project Excellence  
Award – Transportation  
Wiki Contributor
- International ITE 2023  
Council Project Excellence  
Award – Signal Timing  
Webinar Series  
Contributor
- Illinois Section 2022  
Member of the Year
- Great Lakes District 2021  
Rising Star Award
- North Central Section  
2019 Young Member of  
the Year Award

Since first working with the University of MN Transportation Services in 2011 (where he first gained experience in event traffic management during Gopher football gamedays), Tyler has had an interest in the unique process of getting large amounts people in & out of events safely and efficiently. Traffic in these saturated, high-volume conditions behaves differently than “normal” traffic and in his consultant days he’s taken part in similar traffic management projects in Minneapolis and California as well as large-scale detour traffic management, and has learned the unique tricks and methods they require. He has been a public servant for the past 3.5 years and has a unique viewpoint in understanding the challenges public agencies face. He hopes to bring this unique combination of traffic management experience and public sector understanding to you as a consultant and owner of Tyler Krage Consulting LLC.

### Past Relevant Work

#### **Sofi Stadium Traffic Management Plan & Associated Traffic Services – City of Inglewood, CA**

Contact - Peter Puglese, City Traffic Engineer, City of Inglewood  
[ppuglese@cityofinglewood.org](mailto:ppuglese@cityofinglewood.org)

As a consultant, Tyler served as a Traffic Engineer on the team that developed the Traffic Management Plan for the stadium that houses the Chargers and Rams NFL teams. The plan included determining trips, routing estimation, shuttle utilization, parking, ITS utilization, and more. Specifically, Tyler developed the Synchro model for all 167 signals within the City as well as three event signal timing plans for inbound and outbound event traffic. As a value add, the City contracted the consultant to develop six optimized average-day traffic signal timing plans, which Tyler developed and implemented.

#### **Minneapolis Signal Retiming Project & US Bank Event Plan Timing Updates – City of Minneapolis, MN**

Contact - Mike Anderson, VP-Business Development and Traffic, Alliant Engineering  
[manderson@alliant-inc.com](mailto:manderson@alliant-inc.com)

As a consultant, Tyler was a traffic engineer for the multi-firm Minneapolis retiming project. He developed the Synchro model, timings, and aided in implementation of the Northeast sector of the project. He also aided in implementation and data collection of the downtown sector. When the US Bank stadium was built later in 2016, he aided in developing the pre and post event plans for the NFL stadium.

#### **Various Chicago Signal Timing & Design Projects – City of Chicago, IL**

Contact - Abraham Emmanuel, Deputy Commissioner of CDOT - Traffic Safety  
[Abraham.Emmanuel@cityofchicago.org](mailto:Abraham.Emmanuel@cityofchicago.org)

Tyler served as the Traffic Signals Group Supervisor for CDOT for about 2.5 years. In this time, he oversaw the maintenance of the city’s 3000+ signals, and personally reviewed and signed off on over 120 signal designs and 350 traffic signal timings. Of these, some were very high-volume routes that also had to balance pedestrian and local traffic needs in addition to major throughput, such as Broadway-Sheridan corridors (30 signals), Stony Island Avenue (21 signals), Ashland Avenue (56 signals), and Obama Presidential Library construction detour traffic (10 signals).

#### **Various Traffic Signal Detour Timing Plans & Other Signal Timing Projects– Various MnDOT & More**

Contact - Mike Anderson, VP-Business Development and Traffic, Alliant Engineering  
[manderson@alliant-inc.com](mailto:manderson@alliant-inc.com)

In both the public and private sectors, Tyler has developed signal timing plans for over 750+ signals across more than 50 corridors over the state of MN, ND, and WI. Most of these were commuter corridors, but three of the projects consisted of large-scale regional detoured traffic routes from construction. These projects (Twin Ports in Duluth, MN, MnPASS in Blaine, MN, and I-35 Bridgework in Burnsville, MN) consisted of routing large amounts of traffic through areas not designed for it across multiple agencies, and required innovative techniques for progression and a high amount of project coordination across all agencies involved.



# Frank Nemes, PE, PTOE

Senior Project Manager

**YEARS EXPERIENCE:** 31  
**YEARS WITH CBBEL:** 29

**EDUCATION**

Master of Science, 2000  
 Computer Science  
 Illinois Institute of Technology

Bachelor of Science, 1994  
 Civil Engineering  
 Marquette University

**PROFESSIONAL REGISTRATION**

Professional Engineer, IL,  
 062.052813, 1999

**CERTIFICATIONS**

Professional Traffic  
 Operations Engineer

IMSA Traffic Signal  
 Technician, Level III

**PROFESSIONAL DEVELOPMENT**

Traffic Signal Electrician  
 Level III, International  
 Municipal Signal Association

Traffic Signal Electrician  
 Level II, International  
 Municipal Signal Association

Associate Traffic Signal  
 Technician Level I,  
 International  
 Municipal Signal Association

Work Zone Safety Specialist,  
 International Municipal  
 Signal Association

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

**PROFESSIONAL AFFILIATIONS**

Chi Epsilon Civil Engineering  
 Honor Society

Institute of  
 Transportation Engineers

International Municipal  
 Signal Association

Frank is a Senior Project Manager involved in projects concerned with traffic signals, Signal Coordination and Timing (SCAT), and traffic operations analysis. His responsibilities include preparation of intersection design studies, traffic signal design, railroad sequences, projects involving at-grade railroad crossings including FRA quiet zones, isolated intersection capacity analysis and development of Time-of-Day (TOD) and Traffic Responsive Program (TRP) closed loop system signal timings utilizing both Eagle/Tactics and Econolite/Centracs/Aries controller software. Frank is also involved in reviewing various traffic studies including intersection design studies, traffic impact studies, signal warrant analyses, parking studies and other studies utilizing industry standard engineering publications including the MUTCD, ITE Trip Generation Manual, ITE Parking Generation Manual, IDOT standards, MCDOT standards, LCDOT standards, Will County standards, CCDOTH standards and other municipal and County standards.

**Railroad Quiet Zone, Village of Oswego:** Preparation of traffic/railroad signal, railroad sequences report for two intersections on US Route 34 (Washington St) with at-grade crossings on the Illinois Railway line: Harrison St, and Main St. Coordination with the ICC for an ICC Order/Petition to interconnect the traffic signals with the railroad automatic warning devices at each crossing.

**IDOT, District 1, Phase I Study:** Traffic operations analysis of IL Rt 60 (Half Day Rd) and I-94. Traffic modeling using Synchro, Sim Traffic and HCS for alternatives analysis and operational evaluation.

**IDOT, District 1, Design Services:** Grounding research and design. Developed specifications and design standards for grounding systems at signalized intersections.

**IDOT, District 1:** Sequence of Operation, Railroad Sequence of Operation and Emergency Vehicle Sequence of Operation for various intersections in Cook, DuPage, Lake and Will Counties. Developed new format for railroad sequence of operation.

**Signal Coordination and Timing, Illinois Department of Transportation:**

<u>IDOT District 1</u>	<u>IDOT Districts 2-5</u>	<u>IDOT Districts 6-9</u>
• PTB 201-010	• PTB 124-028	• PTB 162-035
	• PTB 130-014	• PTB 172-029
	• PTB 138-026	• PTB 184-037
	• PTB 142-027	• PTB 192-023
		• PTB 134-014
		• PTB 150-046
		• PTB 158-038

**Signal Coordination and Timing, Cook County Department of Transportation and Highways:**

- Two intersections on Park Blvd from Devon Ave to Pierce Rd.
- Five intersections on Old Orchard Rd from Woods Dr to Lavergne Ave.
- Nine intersections on Lake Cook Rd and 3 intersections on IL Rt 83.
- Four intersections on Meacham Rd from Nerge Rd to Home Depot/Texas St.
- Seventeen intersections along Schaumburg Rd from Martingale Rd to Knollwood Dr, funded through CMAQ program.
- Six intersections on Arlington Heights Rd from Devon Ave to Oakton St, funded through CMAQ program.
- Three intersections on 127th St from Timberline Drive to I-355 ramps.

**Signal Coordination and Timing, McHenry County Division of Transportation:**

- Traffic Signal Timing Assistance and Review
- Three intersections on Randall Rd from Huntington Dr/Bunker Hill Dr to Acorn Ln.

**Cedar Road and Haven Avenue, Village of New Lenox:** Project Manager and Project Engineer for Phase I project to construct oval roundabout through existing two stop controlled intersections on Haven Avenue at Cedar Road. Responsibilities included crash analysis, capacity analysis, warrant analysis and FHWA crash prediction.

**Deerfield Rd to I-94 Southbound Ramp, Lake County Division of Transportation:** Project Engineer for Phase I project to reconstruct Deerfield Road from Milwaukee Avenue (US 45/IL 21) to Saunders/Riverwoods Road to address existing and future capacity, mobility, safety, and operational deficiencies associated with this

section of Deerfield Road. Responsibilities included 2040 volume development and CMAP concurrence, crash analysis, capacity analysis, QA/QC Synchro model and calibration of SimTraffic model.

**Wayne Railroad Quiet Zone:** Preparation of submittal to Federal Railway Administration to create a new 24 hour Quiet Zone for 1 at-grade railroad crossing along EJ&E Railway line. Quiet zone consisted of the Army Trail Rd at-grade crossing.

**Traffic Signal Warrant Study, Village of Glendale Heights:** Traffic Signal Warrant Study on IL Rt 64 and Pearl Ave/Western Ave.

**Traffic Signal Warrant Study, D'Arcy Volkswagen:** Traffic Signal Warrant Study and Intersection Design Study including SimTraffic simulation for US Rt 52 and D'Arcy Volkswagen/Joliet Park District East Access.

**Traffic Signal Warrant Study, Village of Orland Park:** Traffic Signal Warrant Study for IL Rt 7 (159th St) and 113th Ct.

**Traffic Study, DuPage County:** IL Rt 19 at York Rd Grade separation project. Accident analysis, Sim Traffic simulation, and traffic operations analysis.

**Nowell Park Traffic Impact Study, City of Joliet:** Preparation of traffic impact study for the proposed recreation center located along Mills Rd east of IL Rt 53.

**Traffic Impact Study, City of East Chicago, IN:** Preparation of traffic impact study for proposed Ozinga vertical roller mill for slag grinding operations facility. Evaluated impacts of site-generated truck traffic.

**Traffic Study Reviews, Various:**

- City of Wood Dale: Proposed apartments (traffic and parking study)
- Village of Huntley: Provided TIS review comments for multiple developments, including Universe Carriers, Venture One West, Amazon, Lions Chase
- Village of Algonquin: TIS, Westview Subdivision, Enclave (Portillo's)
- Village of Deer Park: TIS, Dunkin Donuts, Rolex Jewelry
- Village of Lincolnwood: TIS, Dunkin Donuts (3901 Touhy, 4010 Touhy), Radler Plaza
- Village of Forest Park: U-Haul

**Traffic Signal and System Design, City of Naperville:** Traffic signal and system design for West St from Emerald Dr to Martin Ave.

**Red Light Camera Installation Plans, Safespeed:** Preparation of Red Light Camera Installation plans for more than 20 intersections located in Burbank, Chicago Heights, Crestwood, Dolton, Evergreen Park, Glendale Heights, Hometown, Matteson, Melrose Park, North Riverside, Oakbrook Terrace, Palos Heights, Richton Park, Skokie, and Tinley Park.

**Signal Coordination and Timing, Village of Rosemont:** SCAT for 9 intersections on Des Plaines River Rd from Balmoral Ave to Devon Ave, funded through CMAQ program.

**LED Light Project, Village of Chicago Ridge and City of Northlake:** Project consisted of securing a grant from Illinois Clean Energy community Foundation to retrofit incandescent traffic lights with LED traffic lights for 14 intersections in Chicago Ridge and 6 intersections in Northlake.

**Emergency Vehicle Preemption, Village of Hanover Park:** Developed plans and specifications for emergency vehicle preemption at intersection of Barrington Rd at IL Rt 19 (Irving Park)

and Barrington Rd at US Rt 20 (Lake St).

**Project Development Report, Village of Chicago Ridge:** Local project development report to add a right turn lane at intersection of IL Rt 7 (Southwest Highway) and Ridgeland Ave.

**SIGNATURE PROJECTS**

**Oak Lawn Railroad Quiet Zone:** Preparation of submittal to Federal Railway Administration to create a new 24 hour Quiet Zone for 6 at-grade railroad crossings and 3 at-grade pedestrian crossings along Metra Southwest Service line. Quiet zone limits were from Central Ave to Kilbourn Ave.

**New Lenox Railroad Quiet Zone:** Preparation of submittal to Federal Railway Administration to create a new 24 hour Quiet Zone for 6 at-grade railroad crossing along the EJ&E Railway line. Quiet zone limits were from Gougar Rd to School House Rd.

**West Central Municipal Conference Railroad Quiet Zone:** Preparation of final submittal to Federal Railway Administration to create a new 2.9 mile railroad quiet zone through City of Berwyn, Village of Riverside and Village of North Riverside. Proposed quiet zone will include 8 at-grade highway-railroad crossings and 1 at-grade pedestrian-railroad crossing along Chicago Central & Pacific.

**Elmwood Park Railroad Quiet Zone:** Preparation of final submittal to Federal Railway Administration to create a new partial 0.69 mile railroad quiet zone through the Village. Proposed partial quiet zone will include 4 at-grade highway-railroad crossings and 2 at-grade pedestrian-railroad crossing along Northeastern Illinois Commuter Rail Corporation's "Metra" tracks.

**Signal Coordination and Timing, Cook County Department of Transportation and Highways:** Twenty-one intersections on Lake Cook Rd from Portwine Rd to US Rt 41 ramps.

**Signal Coordination and Timing, McHenry County Division of Transportation:** Eighteen intersections along Randall Rd/Rakow Rd, Algonquin Rd, Virginia Rd and Pyott Rd.

**Rand/Central/Mount Prospect Roads Phase I Study, Village of Mount Prospect:** Project Engineer for Phase I project to determine improvements for Rand/Central/Mount Prospect Roads triangle to address existing and future capacity, mobility, safety, and operational deficiencies. Responsibilities included capacity analysis, QA/QC Synchro model, calibrate SimTraffic model and Q&A at Public Information Meetings #1 & #2.



# Bobby Gunnells, PE, PTOE

Traffic Operations Engineer II

**YEARS EXPERIENCE:** 12

**YEARS WITH CBBEL:** 12

## EDUCATION

Bachelor of Science, 2013  
Civil Engineering,  
University of Illinois at  
Chicago

## PROFESSIONAL REGISTRATION

Professional Engineer, IL,  
062.069527, 2017

## CERTIFICATIONS

Professional Traffic  
Operations Engineer, #4830

Traffic Signal Technician  
Level II, IMSA

## PROFESSIONAL DEVELOPMENT

Work Zone Temporary  
Traffic Control Technician,  
International Municipal  
Signal Association

## PROFESSIONAL AFFILIATIONS

Institute of  
Transportation Engineers

International Municipal  
Signal Association

Intelligent Transportation  
Society of the Midwest

Bobby is a traffic engineer responsible for a variety of transportation and traffic projects, including traffic signal timing and operations, traffic signal design, and traffic studies. His responsibilities include intersection capacity analyses, intersection design studies, preparing traffic signal design plans, signal coordination and timing, traffic signal warrant analyses, safety studies, and pedestrian improvement projects.

**Computer Skills:** Microsoft Office, Microstation, Synchro/Sim Traffic Modeling Suite, Vissim, PC Travel, Eagle/Tactics, Econolite/Aries, and Highway Capacity Software

**Rosemont Corridor Safety Improvements, Village of Rosemont:** Traffic Engineer responsible for the engineering design plans for traffic signal improvements and interconnect plans. Project included safety improvements along both River Road and Balmoral Avenue including full traffic signal modernizations at three intersections, flashing yellow arrow installation at seven intersections, various pedestrian improvements, and installation of high visibility retroreflective backplates at 14 intersections within the Village of Rosemont. Also responsible for assembly of project specifications, cost estimates, and plan assembly.

**US Route 52 at Wynstone Boulevard Traffic Signal Installation, Village of Shorewood:** Traffic Engineer responsible for traffic signal warrant analysis, intersection design study (IDS), and traffic signal installation plan for the installation of a new traffic signal at the intersection, including interconnect plans to add the proposed traffic signal to the adjacent existing IDOT system. Project included coordination with IDOT Permits.

**Naperville ATMS Expansion Project, City of Naperville:** Project Engineer responsible for the Phase I level design to expand the City of Naperville's existing ATMS system. Project included evaluating different design alternatives to install conduit and fiber optic cable, along with evaluating existing infrastructure, to add 25 traffic signals to the City of Naperville's existing ATMS system. Project included coordination with City of Naperville, DuPage County, and IDOT.

**Lake Cook Road Signal Coordination and Timing, Cook County Department of Transportation and Highways:** Traffic Engineer responsible for developing and implementing optimized traffic signal timings for 30 signalized intersections along Lake Cook Road. Project tasks included field data collection, traffic signal database review, preparing Synchro models, developing and implementing new signal timing plans including traffic responsive plans, conducting speed/delay study, and preparing project deliverables including SCAT report.

**Various Temporary Traffic Signal Timings and Detour Timings:** Traffic Engineer responsible for various temporary traffic signal timing projects. The temporary traffic signal timings were performed for multiple contractors, including Meade Electric, Home Towne Electric, and D Construction and included a variety of construction projects including temporary traffic signals, roadway and bridge closures that require detour routes, and railroad crossing closures. Primary duties included field reconnaissance and observations followed by traffic signal timing adjustments to improve the flow of traffic.

**Traffic Signal System Monitoring, Cook County Department of Transportation and Highways:** Traffic Engineer responsible for monitoring all Cook County Department of Transportation and Highways traffic signal systems, including 22 Econolite systems, eight Eagle Systems, 28 local intersections that operate through nine IDOT master controllers and 48 traffic signals that communicate through Lake County Passage System in operation. Primary duties include database comparisons, communicating with the electrical maintenance contractor to resolve issues in a timely manner, bi-weekly reports, and addressing complaints related to traffic signal timings.

**Roadside Treatment Improvements, City of Naperville:** Project Engineer. Analyzed and made recommendations to improve roadside safety at six horizontal curve locations. Analysis included a field reconnaissance of the six roadway segments, reviewing crash data, and developing recommended crash countermeasures in order to improve safety along the six horizontal curve segments.

**Signal Network Optimization, Village of Lombard:** Traffic Engineer. Performed a signal network optimization for 31 traffic signals maintained by Village. Project improved traffic signal timings and reduced vehicle delays for motorists. Tasks included data collection, analysis of existing conditions, developing proposed timing plans, determining which intersections should operate on a common cycle length, implementing proposed timings, and evaluating the operations of the implemented timings and making fine-tuning adjustments in the field as necessary.

**Traffic Signal Modernization, Chicago Department of Transportation:** Traffic Engineer. Prepared Traffic Signal Requirement Plans for 16 intersections located throughout Chicago, including existing and proposed Synchro models, Traffic Signal Timing Schedules, and crosswalk calculation spreadsheets.

**IL Route 21 & Manchester Drive Emergency Flashing Beacon**

**Installation, Village of Gurnee:** Project Engineer. Prepared engineering design plans for installation of emergency flashing beacons on IL Route 21 to alert approaching vehicles to emergency vehicles from the nearby fire station. Tasks included field reconnaissance, coordination with ComEd, preparing engineering design plans, and obtaining an IDOT permit for the completion of the work.

**Traffic Counts, Various Locations:** Traffic Engineer responsible for the setup of traffic counting equipment that is utilized to conduct turning movement counts or ADT counts at various locations. The counting equipment is then retrieved and submitted for processing.

**Des Plaines River Trail Improvements, Forest Preserve District of Cook County:** Traffic Engineer responsible for designing Traffic Signal Modification Plans, including updating and installing new pedestrian signals, APS push-buttons, and additional pedestrian signal posts to meet current ADA/PROWAG requirements, as well as modifications to the traffic signal controllers to accommodate the proposed pedestrian signals.



# Benjamin Chavez, PE, PTOE

Senior Project Manager

**YEARS EXPERIENCE:** 25  
**YEARS WITH CBBEL:** 5

## EDUCATION

Bachelor of Science, 2000  
Civil Engineering  
University of Illinois  
at Chicago

## PROFESSIONAL REGISTRATION

Professional Engineer, IL,  
062.063542, 2011

## CERTIFICATIONS

Professional Traffic  
Operations Engineer  
5067

IMSA Work Zone Temporary  
Traffic Control Technician

## PROFESSIONAL AFFILIATIONS

Institute of Transportation  
Engineers

Ben is a Senior Project Manager experienced in Phase I traffic signal studies and Phase II traffic signal design. His experience includes Intersection Design Studies (IDS), traffic capacity analysis, traffic signal design, maintenance-of-traffic, signing, pavement marking, traffic modeling and simulations, design exception documentation, traffic signal fiber optic interconnects, at-grade traffic signal/railroad signal interconnect, traffic signal sequence of operation charts, and implementation of Advanced Traffic Management Systems (ATMS). Ben served as an in-house consultant at both the Chicago Department of Transportation and Illinois Department of Transportation, where he performed a variety of project management duties related to design.

Ben is familiar with IDOT, CDOT, collar county, and local municipality standards and procedures, including preparation of construction plans, specifications, permitting, agency coordination, and construction cost estimates. His field experience includes inspection of traffic signal layout, traffic observations, and inspection of highway/ roadway components.

Software Experience: ProjectWise (Bentley), MicroStation (Bentley), Synchro / SimTraffic (Trafficware), Highway Capacity Software (HCS)-(McTrans), Bluebeam Revu, Adobe, Microsoft (Word, Excel, and Project).

### **IL Route 38 over I-39 Interchange Reconstruction, Illinois Department of Transportation - District 2:**

Senior Project Engineer for traffic signal design and traffic signal interconnect for reconstruction of a full replacement of existing full-diamond interchange with a diverging diamond interchange. Responsibilities include traffic signal installation plans and details, cable plans, pay items and schedules, quantities, and specifications.

**Central Traffic Management System, Illinois Department of Transportation - District 1:** Senior project engineer responsible for Phase II plans, pay items, quantities, and cost estimate of a work order-based project that includes incorporating ten (10) existing interconnected closed-loop corridors into IDOT's Advanced Traffic Management System (ATMS). This project includes approximately 87 signalized intersections and will install new fiber optic cable, network switches, PTZ cameras, controllers, among other equipment to allow for remote access and monitoring.

**Weber Road Reconstruction, Will County Division of Transportation:** Senior Project Engineer for two-mile corridor roadway reconstruction on Weber Road. Responsible for design plans for one new signalized intersection and modernizing four existing signalized intersections. Designed temporary and proposed traffic signal plans, illuminated street name sign details, temporary and permanent traffic signal interconnect plans. Other duties included site inspections and preparing quantities, specifications, and construction cost estimate.

**Traffic Signal Modernization, Chicago Department of Transportation:** Senior Project Engineer responsible for designing modernization of 16 existing signalized intersections at various locations across the City of Chicago. Design includes plans for new traffic signals, pavement marking, signing, roadway pavement and sidewalk removal and restoration, and utility profile details. Identified pay items and quantities for construction.

**Traffic Signal Modernization, City of Evanston:** Project Manager for design plans of modernized stand-alone signalized intersection. Responsibilities consisted of designing temporary and proposed traffic signal plans, coordinating soil borings, reviewing pavement markings and curb ramp design, attending City meetings, and preparing quantities, specifications, and construction cost estimate.

**Evaluation of Existing Pedestrian Signals on St Charles Road, Village of Lombard:** Senior Project Traffic Engineer responsible for assembling technical report highlighting existing conditions of pedestrian signals at four traffic signalized intersections and providing recommendations for improvements.

**Red Light Running Cameras, RedSpeed:** Senior Project Traffic Engineer responsible for design plans that include installation, modification, and removal of red-light cameras in various locations within IDOT D1. Responsibilities included design plans, quantities, and specifications.

**US Route 12 (Rand Road), Central Road, at Mount Prospect Road Roadway Improvements, Village of Mount Prospect:** Senior Project Traffic Engineer for the 1.2 miles of roadway improvements along US Route 12 (Rand Road). Responsibilities included modernizing three signalized intersections, traffic signal modification at one signalized intersection, installation of one new traffic signal, and interconnect plans. Assembled traffic signal contract specifications and cost estimate for all traffic signal items.

**Railroad Avenue Reconstruction, City of Northlake:** Senior Project Traffic Engineer for reconstruction of Railroad Ave. Duties included two intersection design studies for existing signalized intersections, auto turn

exhibits, traffic signal capacity analysis, and identifying design exceptions.

**Review, Evaluation and Revision of Electrical and Mechanical Item Maintenance, Cook County Department of Transportation and Highways:** Senior Project Engineer responsible for comparing and evaluating aspects of Cook County's maintenance contract for traffic signal installations, street lighting systems, flashing beacon installations, pump station, and cathodic protection. Developed matrices of differing operational aspects, procedures, patrol schedules, response times for repairs, and unit prices. Revised County's maintenance contract for bid.

**Traffic Signal Flashing Yellow Arrow, DuPage County Division of Transportation:** Senior Project Traffic Engineer for the 1.6-mile traffic signal improvements. Responsibilities included design plans for modernizing five existing signalized intersections. Plans consisted of new traffic signals with flashing yellow arrow signals, temporary traffic signals, illuminated street name sign details, and temporary interconnect plans. Identified pay items and quantities.

**Water Street Motor Truck Ordinance, Village of East Dundee:** Senior Project Engineer responsible for amending and developing new truck ordinances for the Village of East Dundee. Provided language to be codified in the municipal code for restricting truck traffic on several streets within the Village.

**West Side Neighborhood Storage Project, Village of Wilmette:** Senior Project Traffic Engineer for the 15-foot-deep, 4.5-million-gallon capacity underground storm water trap. Responsible for design of traffic signal modification plan to accommodate sewer work. Reviewed maintenance-of-traffic plans, designed temporary and proposed traffic signal plans, and temporary traffic signal interconnect plans. Other duties included Cook County permit application, site inspections and preparing quantities, specifications, and construction cost estimate.

**Church Street - Roadway Diet and Bicycle Lanes, Village of Skokie:** Senior Project Traffic Engineer for the 2.7-mile corridor improvement, consisting of roadway diet and bicycle lanes. Responsibilities included the design of three intersection design studies for existing signalized intersections. Duties included auto turn exhibits, traffic signal capacity analysis, identifying design exceptions, exploring roadway and sidewalk design alternatives for bicycle accommodation, and traffic signal modification plans, specifications, and construction cost estimate.

**Traffic Signal Modernization, Cook County Department of Transportation and Highways:** Senior Project Traffic Engineer responsible for design plans modernizing three existing signalized intersections. Designed temporary and proposed traffic signal plans, pavement marking removal and installation plans. Prepared quantities and special provisions.

## SIGNATURE PROJECTS

**Rollins Road Gateway, Lake County Division of Transportation:** Lead Traffic Signal Engineer for the Rollins Road Gateway project which included 1.9 miles of corridor reconstruction and improvements and a railroad grade separation. Modernized five signalized intersections that included temporary and permanent traffic signals and system interconnect. Designed a temporary traffic signal/railroad interconnect with sequence of operation charts.