



Public Building Commission of Chicago
Richard J. Daley Center, Room 200
50 W. Washington Street
Chicago, Illinois 60602
www.pbcchicago.com

CONSTRUCTABILITY REVIEW SERVICES

PUBLIC BUILDING COMMISSION OF CHICAGO

AND

GLOBETROTTERS ENGINEERING CORPORATION

FOR

**CONSTRUCTABILITY REVIEW SERVICES
PS3016C**

Public Building Commission of Chicago
Richard J. Daley Center, Room 200
50 W. Washington Street
Chicago, Illinois 60602
www.pbcchicago.com

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Mayor Lori E. Lightfoot
Chairman
Carina Sánchez
Executive Director

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EXECUTION PAGE

Constructability Review Services – PS3016C

THIS AGREEMENT ("Agreement") effective as of **February 13, 2019**, but actually executed on the date witnessed, is entered into by and between the Public Building Commission of Chicago, a municipal corporation of the State of Illinois, having its principal office at Room 200, Richard J. Daley Center, 50 West Washington Street, Chicago, Illinois 60602, (the "Commission" or "PBC"), and **GLOBETROTTERS ENGINEERING CORPORATION** with offices at **300 South Wacker Drive, Suite 400, Chicago, IL 60606** (the "Consultant").

RECITALS

WHEREAS, the Commission is a municipal corporation organized and operating under the Constitution and laws of the State of Illinois and on behalf of various governmental agencies including, but not limited to, the City of Chicago, the Chicago Public Library, the Chicago Park District, the City Colleges of Chicago, and the Chicago Board of Education, (referred to individually or collectively, as the case may be, in this Agreement as the "**User Agency**"), and intends to undertake the construction, improvement and/or renovation of one or more projects in Chicago, Illinois (the "Project");

WHEREAS, the Commission requires certain professional services described in the Agreement in connection with the Project and desires to retain the Consultant on the terms and conditions set forth in the Agreement to perform such Services; and

WHEREAS, the Consultant desires to be so retained by the Commission and has represented to the Commission that the Consultant has the knowledge, skill, experience and other resources necessary to perform the Services in the manner provided by the Agreement; and

WHEREAS, the Consultant represents that it is qualified and competent by education, training, and experience to prepare drawings, specifications and construction documents necessary to complete the Project(s) in accordance with standards of reasonable professional skill and diligence and to review drawings, specifications and documents prepared by others for conformity with design standards established by the Commission; and

WHEREAS, the Commission has relied upon the Consultant's representations in selecting the Consultant; and

WHEREAS, in reliance upon the Consultant's representations, the Commission has selected the Consultant to perform the Services on the terms and conditions set forth in this Agreement as modified from time to time by Task Order.

NOW, THEREFORE, the parties have executed this Agreement on the terms and conditions that follow:

EXECUTION PAGE

Constructability Review Services – PS3016C

This Agreement is executed by the Commission and the Consultant stated below and made effective by such execution pursuant to its terms.

PUBLIC BUILDING COMMISSION OF CHICAGO

By: *Lori E. Lightfoot* _____
Lori E. Lightfoot
Chairman
Date

By: *Lori Ann Lypson* _____
Lori Ann Lypson
Secretary
Date 8/29/19

GLOBETROTTERS ENGINEERING CORPORATION

By: *Michael J. McMurray* _____
Print Name: Michael J. McMurray
Title: President

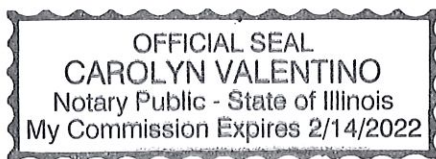
County of Cook
State of Illinois

AFFIX CORPORATE
SEAL, IF ANY, HERE



Subscribed and sworn before me by Michael J. McMurray
as President of Globetrotters this 16th day of August, 2019.

Carolyn Valentino
Notary Public
My Commission Expires 2/14/2022



Approved as to Form and Legality:

By: *Anne L. Zredd* _____
Neal & Leroy, LLC
Date 8/27/19

TERMS AND CONDITIONS

1. **Recitals.** The Recitals set forth on the Execution Page of this Agreement are hereby incorporated herein by reference.
2. **Definitions.** The herein words and phrases have the following meanings for purposes of this Agreement.
 - a. **Agreement** means this Professional Services Agreement for Constructability Review Services, including all schedules, exhibits or documents attached hereto and/or incorporated by reference herein, and all amendments, supplements and/or Task Orders made in accordance with the terms hereof.
 - b. **Commission** means the Public Building Commission of Chicago, a municipal corporation organized under the Public Building Commission Act of the State of Illinois, as amended, or its duly authorized officers or employees.
 - c. **Consultant** means the company or other entity identified in this Agreement, and such successors or assigns, if any, as may be authorized to perform the Services required by the terms and conditions of this Agreement.
 - d. **Deliverables** means the documents, in any format (electronic or hard copy) requested by the Commission, including without limitation drawings, plans, reports, forms, recommendations, and analyses, that the Consultant is required under this Agreement to provide to the Commission.
 - e. **Equipment** means the articles or physical resources, tangible or intangible, including but not limited to, hardware, firmware or software enabling the Commission to implement the Projects and Consultant to perform the Services under this Agreement.
 - f. **Executive Director** means the person employed by the Commission as its Executive Director or the duly authorized representative thereof.
 - g. **Key Personnel** means those job titles and persons as identified in such positions in the Request for Proposals response and accepted by the Commission.
 - h. **"OCDM" (or "the System")** refers to the PBC's designated On-line Collaboration and Document Management System. It shall be used by the Consultant to track the Work, manage Project(s), and follow the Commission's procedures for electronic submission and receipt of documents as directed by the Commission Representative
 - i. **Services** means collectively, the duties, responsibilities and tasks that are necessary in order for the Consultant to provide Constructability Review Services to the Commission, and other resources as required by the Commission, for the ongoing development of the Commission's projects as described in the Request for Proposal Scope of Services and this Agreement.
 - j. **Sub-consultant or Subcontractor** means a partnership, firm, corporation or other legal entity other than the Consultant hired by the Consultant to perform professional services including, but not limited to: labor, materials and/or equipment, related to the performance of the Services and/or improvement of the Project.
3. **Incorporation of Documents.** The Resolution passed by the Board of Commissioners of the Commission on October 1, 2009, concerning utilization of minority business enterprises ("MBE") and women business enterprises ("WBE"), as the same may be amended from time to time, is hereby incorporated in and made a part of this Agreement. By executing this Agreement, Consultant acknowledges and agrees that Consultant is familiar with the contents of said Resolution and will comply fully with all applicable portions thereof in performing the Services.

4. Engagement and Standards for Performing Services.

- a. **Engagement.** The Commission hereby engages the Consultant, and the Consultant hereby accepts such engagement, to provide the Services described in this Agreement, as the same may be amended, in writing, from time to time by mutual agreement of the Commission and the Consultant.
- b. **Performance Standard.** The Consultant represents and agrees that the Services performed under this Agreement will proceed with efficiency, promptness and diligence and will be executed in a competent and thorough manner, in accordance with reasonable professional standards in the field consistent with that degree of skill and care ordinarily exercised by organizations providing Key Personnel performing services of a scope, purpose, and magnitude comparable with the Services to be performed under this Agreement. If in the course of performing the Services, Consultant identifies any condition, situation, issue or problem that may impact the performance of the Services or the Project, Consultant shall promptly provide notice to the Commission.
- c. **Consultant's Personnel.** The Consultant agrees that it will assign at all times during the term of the Agreement the number of experienced, appropriately trained employees necessary for the Consultant to perform the Services under this Agreement and in the manner required by this Agreement and any assigned Task Order. Consultant must not reassign or replace Key Personnel without the written consent of the Commission. Consultant must ensure that all Services and Deliverables that require the exercise of professional skills or judgment are accomplished by professionals qualified and competent in the applicable discipline and appropriately licensed, if required by law. Consultant must maintain current copies of any such licenses and provide such copies, upon request, to the Commission. Consultant remains responsible for the professional and technical accuracy of all Services and Deliverables furnished, whether by the Consultant or others on its behalf. Consultant must at all times use its best efforts on behalf of the Commission to assure timely and satisfactory rendering and completion of the Services. Consultant must perform all Services in accordance with the terms and conditions of this Agreement, and any assigned Task Order, to the reasonable satisfaction of the Commission. All Deliverables must be prepared in a format satisfactory to the Commission and delivered in a timely manner consistent with the requirements of this Agreement. The Commission may at any time in writing notify the consultant that the Commission will no longer accept performance of Services under this Agreement by one or more Key Personnel listed in the Agreement. Upon that notice, Consultant must suspend the Key Personnel from performing Services under this Agreement and must replace the Key Personnel with a person or persons with comparable professional credentials and experience. Such replacements are subjected to the reasonable approval of the commission. Consultant must request approval from the Commission prior to assigning Key Personnel using the Personnel Approval Form (Exhibit C to this Agreement).
- d. **Independent Contractor.** In performing the Services under this Agreement, Consultant shall at all times be an independent contractor, and does not and must not act or represent itself as an agent or employee of the Commission or the User Agency. As an independent contractor, Consultant is solely and wholly responsible for determining the means and methods for performing the Services. The Agreement will not be construed as an agreement of partnership, joint venture, or agency.
- e. **Limitations on Sub-Consultants and Subcontractors.** Consultant must not use any business or individual who is disqualified by the Commission or debarred under any other governmental agency's procedures to provide the Services under the Agreement.
- f. **Failure to Meet Performance Standard.** If the Consultant fails to comply with its obligations under the standards of the Agreement, the Consultant must perform again, at its own expense, all Services required to be re-performed as a direct or indirect result of that failure. Any review, approval, acceptance or payment for any of the Services by the Commission does not relieve Consultant of its responsibility to render the Services and Deliverables with the professional skill and care and technical accuracy required by the Agreement. This provision in no way limits the Commission's rights against the Consultant, either under the Agreement, at law or in equity.
- g. **Changes to the Services.** The Commission may from time to time, request changes to the terms of the Agreement, Task Order or the Services of the Consultant to be performed hereunder. Such changes,

including any increase or decrease in the amount of compensation and revisions to the duration of the Services or timetable for Deliverables, which are mutually agreed upon by and between the Commission and Consultant, shall be incorporated in a written amendment to this Agreement or the Task Order. The Commission shall not be liable for any changes absent such written amendment.

- h. **Non-appropriation of Funds.** If funds have not been appropriated in full or in part, the Commission has the right to terminate the Agreement. Such termination will be considered a termination for convenience. The Commission will not authorize the Consultant to provide services under this Agreement unless sufficient funds are appropriated to pay for the services.
 - i. **Firearms.** The PBC is committed to providing a safe and secure workplace for the benefit of its employees, consultants, contractors and the general public; therefore, threatening behavior by any person on or about the PBC office premises, project sites and any place in which PBC business is conducted is prohibited. Further, possession of firearms, explosives, or other weapons anywhere on PBC property and project sites or while conducting PBC business is prohibited. Employees and contractors must, at a minimum, comply with all federal, state and local laws relating to the possession and use of firearms, including the Illinois Firearm Concealed Carry Act, 430 ILCS 66/1, et. seq.; the Illinois Criminal Code – Article 5, Deadly Weapons, 720 ILCS 5/Art. 24 et. seq.; and the City of Chicago Firearms and Other Weapons Ordinance, Chicago Municipal Code, Sec. 8-24-005, et. seq. Further, as a condition of employment and/or contract, individuals may not bring weapons onto PBC premises or project sites (including parking lots), even in situations where such conduct would be allowed under the cited laws.
 - j. **Minimum Wage.** Consultant must comply with the City of Chicago Minimum Wage Ordinance (02014-9680; Chapter 01-24, et. seq., of the Municipal Code of the City of Chicago), as may be amended. A copy of the Ordinance may be downloaded from the Chicago City Clerk's website at https://www.chicago.gov/content/dam/city/depts/mayor/supp_info/Minimum%20Wage/O2014-9680.pdf. If the payment of prevailing wage is required and the prevailing wage is higher than the Minimum Wage, then Consultant must pay the prevailing wage.
 - k. **Participation by Other Government Agencies.** Other Local Government Agencies (defined examples below) may be eligible to participate in this Contract if (a) such agencies are authorized, by law or their governing bodies, to execute such purchases, (b) such authorization is consented to by the Commission, and (c) such purchases have no net adverse effect of the Commission and result in no diminished services from the Contractor to the Commission. Examples of such Local Government Agencies are the following: Chicago Board of Education, Chicago Park District, City College of Chicago, Chicago Transit Authority, and Chicago Housing Authority. Please note this list is not exhaustive, only a sample. Said purchases will be made upon the issuance of a purchase order directly from the Local Government Agency. The Commission will not be responsible for payment of any amounts owed by any other Local Government Agencies and will have no liability for the acts of omissions of any other Local Government Agency.
5. **Representations and Warranties.** Consultant represents, warrants and covenants that (a) it will comply with all laws and regulations in performing the Services; (b) it will perform the Services in accordance with the terms and conditions of the Agreement in a professional and workmanlike manner consistent with best industry standards and practice; (c) it possesses all right, power and authority to enter into this Agreement; (d) all Deliverables shall be original works of Consultant or that Consultant shall have all rights necessary to provide such Deliverables; and (e) neither the Services, Deliverables or any other materials or any part thereof, provided to the Commission shall infringe any patent, copyright, trademark, trade secret or other proprietary right of a third party. If any Services performed by Consultant fail to meet the above warranties, then without limiting any other remedies at law or in equity, Consultant shall promptly correct or re-perform any such affected Services at no cost to the Commission. Further, Consultant acknowledges that the Commission has entered or will enter into agreements with third party vendors to provide a third-party data hosting site and a disaster recovery site. Consultant agrees to abide by all rules, regulations and other requirements prescribed by such third-party vendors in order to gain access to the Equipment and perform the Services required by this Agreement.
6. **Duties and Obligations of Consultant.**
- a. **Nondiscrimination.** The Consultant agrees that in performing this Agreement it shall not discriminate

against any worker, employee or applicant for employment, or any member of the public, because of race, creed, gender, color, national origin or disability, or otherwise commit an unfair labor practice. Attention is called to applicable provisions of the Civil Rights Act of 1964, 88-352, July 2, 1964, 78 Stat. 241 et. Seq. the Americans with Disabilities Act of 1990, 42 U.S.C. 12010 et. Seq., the Age Discrimination Act, 43 U.S.C. Sec. 6101-6106 (1981); Illinois Human Rights Act 775 ILCS 5/1-101 et. Seq. and the Public Works Employment Discrimination Act 775 ILCS 10/0.0 1 through 10/20, the Chicago Human Rights Ordinance, Chapter 2-160, Section 2-160-010 et seq. of the Municipal Code (1990), as amended, and a Resolution passed by the Board of Commissioners of the Public Building Commission of Chicago on October 1, 2009, concerning participation of Minority Business Enterprises and Women Business Enterprises on contracts awarded by the Commission. The Consultant will furnish such reports and information as requested by the Commission or the Illinois Department of Human Relations or any other administrative or governmental entity overseeing the enforcement, administration or compliance with the above referenced laws and regulations.

- b. **Employment Procedures, Preferences and Compliances.** Salaries of employees of Consultant performing work under this Agreement shall be paid unconditionally and not less often than once a month without deduction or rebate on any account except only such payroll deductions as are mandatory or permitted by the applicable law or regulations. Attention is called to [Illinois Compiled Statutes, 1992 relating to Wages and Hours including 820 ILCS 130/0.01 through 130/12 thereof (Prevailing Wage Act), 30 ILCS 570/1 through 570/7 (Employment of Illinois Workers on Public Works Act) and 30 ILCS 560/0.01 through 560/7 (Public Works Preference Act).] The Consultant shall comply with all applicable "Anti-Kickback" laws and regulations, including the "Anti-Kickback" Act of June 13, 1934 (48 Stat. 948; 62 Stat. 740; 63 Stat. 108; 18 U.S.C. § 874; 40 U.S.C. § 276c) and the Illinois Criminal Code of 1961 720 ILCS 5/33E-1 et. seq. If, in the performance of this Agreement, there is any direct or indirect kickback, the Commission shall withhold from the Consultant, out of payments due to it, an amount sufficient to pay employees underpaid the difference between the salaries required hereby to be paid and the salaries actually paid such employees for the total number of hours worked. The amounts withheld shall be disbursed by the Commission for and on account of the Consultant to the respective employees to whom they are due.
- c. **Ethics.** The Consultant has read and agrees to comply with all provisions of the Code of Ethics Resolution passed by the Commission on October 3, 2011, which is available on the Commission's website at www.pbcchicago.com/pdf/RES_PBC_e cr_CodeofEthicsConsolApril%202013_20130405.pdf and is incorporated into this Agreement by reference. Any contract negotiated, entered into, or performed in violation of any of the provisions of this Section will be voidable by the Commission.
- d. **Inspector General.** The Consultant and its subconsultants, including all officers, directors, agents, partners and employees of such entities shall cooperate with the Inspector General of the Public Building Commission in any investigation or hearing undertaken pursuant to Public Building Commission Resolution 7576 adopted by the Board of Commissioners of the Public Building Commission of Chicago on October 1, 2010. On projects funded by the City of Chicago, the Consultant and its subconsultants, including all officers, directors, agents, partners and employees of any such entities, shall cooperate with the Inspector General of the City in any investigation or hearing undertaken pursuant to Chapter 2-56 of the Chicago Municipal Code. Each Consultant understands and will abide by all provisions of Chapter 2-56 of the Municipal Code of Chicago. All Consultants will inform their respective subconsultants of this provision and require compliance herewith. Consultant shall cooperate and comply with the Inspector General of the User Agency in any investigation or hearing undertaken pursuant to the enabling ordinance or resolution pertaining to the authority of such Inspector General that has been promulgated by such User Agency.
- e. **Delays.** The Consultant agrees that no charges for damages or claims for damages shall be asserted by it against the Commission for any delays or hindrances from any cause whatsoever during the progress of any portion of the Services. Such delays or hindrances, if any, shall be compensated for by an extension of time to complete the Services, for such reasonable period as may be mutually agreed upon between the parties, it being understood, however, that the agreement of the Commission to allow the Consultant to complete the Services or any part of them after the time provided for the completion thereof herein shall in no way operate as a waiver on the part of the Commission of any of its rights hereunder.

- f. **Records.** The Consultant shall maintain accurate and complete records of expenditures, costs and time incurred by Consultant in connection with the Project and the Services. Such records shall be maintained in accordance with recognized commercial accounting practices. The Commission may examine such records at Consultant's offices upon reasonable notice during normal business hours. Consultant shall retain all such records for a period of not less than five calendar years after the termination of this Agreement.
- g. **OCDM System.** The Commission may require the Consultant to use the Commission's Online Collaboration Document Management System ("OCDM") in performing the Services and the assigned Task Order. At the direction of the Commission, the Consultant must follow the OCDM procedures and submit progress reports and other Deliverables through the OCDM System. The Consultant must attend courses and receive training on the OCDM System provided by or on behalf of the Commission. Any costs incurred by Consultant as a result of the attendance of Consultant's personnel at OCDM System courses are **not** compensable by the Commission.
- h. **Time of Essence.** The Consultant acknowledges and agrees that time is of the essence in the performance of this Agreement and that timely completion of the Services is vital to the completion of the Project by the Commission. Consultant agrees to use its best efforts to expedite performance of the Services and the assigned Task Order and performance of all other obligations of the Consultant under this Agreement and any other agreement entered into by the Commission which are managed or administered by the Consultant as a result of the Consultant's engagement hereunder.
- i. **Compliance with Laws.** In performing its engagement under this Agreement, the Consultant shall comply with all applicable federal, state and local laws, rules and regulations including but not limited to, those referenced in subparagraphs (a) and (b) above.
- j. **Progress Meetings.** Meetings to discuss the progress of the Project and/or to review the performance of the Consultant may be scheduled upon the Commission's request, at mutually agreeable times and locations, and the Consultant agrees to cause such meetings to be attended by appropriate personnel of the Consultant engaged in performing or knowledgeable of the Services.

7. Term.

- a. The term of this Agreement is three (3) years with two (2) successive one (1) year renewal options at the sole discretion of the Commission. This agreement may be terminated by the Commission, with cause, upon thirty (30) days' notice to the Consultant and, provided further, that this agreement may be terminated at any time during the term by mutual agreement of the parties.
- b. The Commission shall have the right, at any time, to terminate the term of this Agreement, with or without cause, by written notice given to the Consultant at least thirty (30) days prior to the effective date of termination. In addition, the Commission shall have the right, at any time and from time to time, with or without cause, to suspend the performance of the Consultant hereunder with respect to all or any part of the Services, by written notice given to the Consultant at least five (5) days prior to the effective date of suspension. Termination or suspension of this Agreement shall not relieve the Consultant from liability for the performance of any obligation of the Consultant under this Agreement performed or to have been performed by the Consultant on or before the effective date of termination or suspension. Provided the Consultant is not in default under this Agreement at the time of termination or suspension, the Commission agrees to pay to the Consultant, in accordance with the terms of this Agreement, all compensation and reimbursements due to the Consultant for periods up to the effective date of termination or suspension. In no event shall the Commission be liable to the Consultant for any loss, cost or damage which the Consultant or any other party may sustain by reason of the Commission terminating or suspending this Agreement as provided herein; provided, however, that the Commission may, in its sole discretion, reimburse the Consultant for actual expenses approved by the Commission.

- c. If the Project, in whole or substantial part, is stopped for a period longer than thirty (30) days under an order of any court or other governmental authority having jurisdiction of the Project, or as a result of an act of government, such as a declaration of national emergency making materials unavailable, through no act or fault of the Consultant, or if the Commission fails to make any payment or perform any other obligation hereunder, the Consultant shall have the right to terminate this Agreement, by written notice given to the Commission at least seven (7) days prior to the effective date of termination, and shall have the right to recover from the Commission all compensation and reimbursements due to the Consultant for periods up to the effective date of termination.

8. Task Orders.

- a. **Task Order Service Requests.** During the term of the Agreement, the Commission may issue one or more requests or solicitations for specific Services to be performed under the Agreement (a "Task Order Service Request" or "TOSR" or "RFP"). Each such Task Order Request will identify the Project, describe the specific Services to be performed, the desired completion date, and any other information or documents to be provided by the Consultant in responding to the Task Order Service Request.
 - b. **Task Order Proposals.** Consultant must submit to the Commission a written response to the Task Order Service Request by providing the information and documents requested (the "Task Order Proposal"). The Task Order Proposal will propose a schedule, key personnel, budget, Deliverables, and any other information or documents listed in the Task Order Service Request. The Task Order Proposal must be submitted within the time specified in the Task Order Service Request. Any costs associated with the preparation of such Task Order Proposal are not compensable under the Agreement and the Commission is not liable for any such costs.
 - c. **Review Process.** The Commission will review the Task Order Proposal and may elect to approve it, reject it, or use it as a basis for further negotiations with the Consultant regarding the Task Order and specific Services to be performed and/or Deliverables to be provided. If the Commission and Consultant negotiate changes to the Task Order regarding the specific Services and/or Deliverables to be provided, Consultant must submit a revised Task Order Proposal (based upon such negotiations) to the Commission.
 - d. **Notice of Approval of Task Orders.** All Task Orders are subject to the written approval of the Commission and no Task Order will become binding upon the Commission until it is approved in writing by the Executive Director (or designee). Absent approval of a Task Order, as described below, the Commission will not be obligated to pay or have any liability to Consultant for any Services or Deliverables provided by Consultant pursuant to such Task Order. An approved Task Order shall include, a signed approval on Commission letterhead, Consultant's proposal, approved Certificate of Insurance, and an approved MBE/WBE Compliance plan.
 - e. **No Obligation.** Consultant acknowledges and agrees that the Commission is under no obligation to issue any Task Orders, and that it is within the Commission's discretion whether to include Consultant in any solicitation for Task Order Proposals.
9. **Compensation of Consultant; Submission of Invoices through OCDM.** The total amount of compensation to be paid by the Commission during the term of this Agreement shall be based on each duly approved Task Order, but in any case, shall not exceed the sum of **\$1,500,000** (One Million Five Hundred Thousand Dollars and no/100). The Commission shall compensate the Consultant for the Services in the manner set forth in Schedule A of this Agreement, or as modified by written authorization. The Consultant shall submit all invoices, no more frequently than once every thirty (30) days, in electronic format using the OCDM System. All submitted invoices shall include a cover page as provided by the Commission and the assigned Task Order number. Failure to submit invoices through the PBC's OCDM will result in delayed or non-payment to the Consultant.
10. **Rights and Obligations of Commission.** In connection with the administration of the Project by the Commission and the performance of this Agreement by the Consultant, the Commission shall have the following rights and obligations, in addition to those provided elsewhere in this Agreement:
- a. **Information.** The Commission shall provide the Consultant all reasonably requested information concerning the Commission's requirements for the Project and the Services.

- b. **Review of Documents.** Subject to the provisions of subparagraph 5(d) above, the Commission agrees to make a reasonable effort to examine documents submitted by the Consultant and render decisions pertaining thereto with reasonable promptness.
 - c. **Site Data.** To the extent the Commission determines to be necessary for the Consultant to perform the Services, the Commission may furnish to the Consultant information concerning the nature of the Project, existing conditions and other data or reports pertaining to the site and the proposed development thereof.
 - d. **Tests and Reports.** The Commission may also furnish structural, civil, chemical, mechanical, soil mechanical and/or other tests and reports if determined by the Commission in its sole discretion to be necessary in order for the Consultant to perform the Services.
 - e. **Legal, Auditing and other Services.** The Commission shall arrange and pay for such legal, auditing, insurance counseling and other services as the Commission, in its sole discretion, may determine to be required for the Consultant to perform the Services. Such payments shall not include legal or auditing expenses arising out of or relating to any errors or omissions, or claimed errors or omissions, of Consultant.
 - f. **Designated Representatives.** The Commission may designate, at its sole discretion, one or more representatives authorized to act in its behalf.
 - g. **Ownership of Documents.** All documents, data, studies and reports prepared by the Consultant or any party engaged by the Consultant, pertaining to the Services shall be the property of the Commission, including copyrights.
 - h. **Audits.** The Commission shall have the right to audit the books and records of the Consultant on all subjects relating to the Services.
11. **Indemnification of Commission and Third Party Vendors.** The Consultant hereby agrees to indemnify, keep and save harmless the Commission and the User Agency and their respective commissioners, board members, officers, agents, officials and employees and any third party hosting site or disaster recovery site from and against all claims, demands, suits, losses, costs and expenses, including but not limited to, the fees and expenses of attorneys, that may arise out of or be based on any injury to persons or property that is or is claimed to be the result of an error, omission or act of the Consultant or any person employed by the Consultant to the maximum extent permitted by applicable law.
12. **Insurance to be Maintained by Consultant.** The Consultant shall purchase and maintain at all times during the performance of Services hereunder, for the benefit of the Commission, and the Consultant, insurance coverage as set forth in Exhibit E – Insurance Requirements.
13. **Default.**
- a. **Events of Default.** Any one or more of the following occurrences shall constitute an Event of Default under this Agreement:
 - i. Failure or refusal on the part of the Consultant duly to observe or perform any obligation or Agreement on the part of the Consultant contained in this Agreement, which failure or refusal continues for a period of ten (10) days (or such longer period as the Commission, in its sole discretion, may determine if such failure is not capable of being cured within such ten (10) day period) after the date on which written notice thereof shall have been given to the Consultant by the Commission;
 - ii. Failure of Consultant to perform the Services to the standard of performance set forth in this Agreement;
 - iii. Any representation or warranty of the Consultant set forth herein or otherwise delivered pursuant to this Agreement shall have been false in any material respect when so made or furnished;
 - iv. The Consultant becomes insolvent or ceases doing business as a going concern, or makes an assignment for the benefit of creditors, or generally fails to pay, or admits in writing its inability to pay, its debts as they become due, or files a voluntary petition in bankruptcy, or is adjudicated a bankrupt or an insolvent, or files a petition seeking for itself any reorganization, arrangement, composition, readjustment, liquidation, dissolution, or similar arrangement under any present or future statute, law or

regulation relating to bankruptcy or insolvency, or files an answer admitting the material allegations of a petition filed against it in any such proceeding, or applies for, consents to or acquiesces in the appointment of a trustee, receiver, liquidator or other custodian of it or of all or any substantial part of its assets or properties, or if it or its principals shall take any action in furtherance of any of the foregoing; or

- v. There shall be commenced any proceeding against the Consultant seeking reorganization, arrangement, readjustment, liquidation, dissolution or similar relief under any present or future statute, law or regulation relating to bankruptcy which is not vacated, stayed, discharged, bonded or dismissed within sixty (60) days thereof, or there shall be appointed, without the Consultant's consent or acquiescence, any trustee, receiver, liquidator or other custodian of Custodian or of all or any substantial part of the Consultant's assets and properties, and such appointment shall not have been vacated, stayed, discharged, bonded or otherwise dismissed within sixty (60) days thereof.
 - vi. Failure of the Consultant to comply at all times with the requirements of relevant Federal, State, and Municipal Codes, Rules, Regulations, including but not limited to Chicago Municipal Code Section 4-6-250 and Chicago Municipal Code Section 4-6-260.
- b. **Remedies.** If an Event of Default shall occur and be continuing, then the Commission may exercise any right, power or remedy permitted to it by law or in equity and shall have, in particular, without limiting the generality of the foregoing, the right to terminate this Agreement upon written notice to the Consultant, in which event the Commission shall have no further obligations hereunder or liability to the Consultant except as to payment for Services actually received and accepted by the Commission through the effective date of termination. No course of dealing on the part of the Commission or delay or failure on the part of the Commission to exercise any right shall operate as a waiver of such right or otherwise prejudice the Commission's rights, powers or remedies.
- c. **Remedies not Exclusive.** No right or remedy herein conferred upon or reserved to the Commission is exclusive of any right or remedy herein or by law or equity provided or permitted, but each shall be cumulative of every other right or remedy given hereunder or now or hereafter existing at law or in equity or by statute or otherwise, and may be enforced concurrently therewith or from time to time.
14. **Confidentiality.** All of the reports, information, or data prepared or assembled by the Consultant under this Agreement are confidential, and the Consultant agrees that such reports, information or data shall not be made available to any party without the prior written approval of the Commission. In addition, the Consultant shall not, without the prior written consent of the Commission, prepare or distribute any news releases, articles, brochures, advertisements or other materials concerning this Agreement, the Project, the Services or any assigned Task Order. Consultant acknowledges that it is entrusted with or has access to valuable and confidential information and records of the Commission and User Agency. Consultant must at all times act in the best interests of the Commission and User Agency consistent with the professional obligations assumed by Consultant in entering into this Agreement. Consultant promises to cooperate with the officials, employees and agents of the Commission and User Agency in furthering the Commission's and User Agency's interests.
15. **Assignment.** The Consultant acknowledges that the Commission is induced to enter into this Agreement by the personal qualifications of the principals, staff and employees of the Consultant and agrees, therefore, that neither this Agreement nor any right or obligation hereunder may be assigned by the Consultant, in whole or in part, without the prior written approval of the Commission. The Commission expressly reserves the right to assign or otherwise transfer all or any part of its interests hereunder without the consent or approval of the Consultant.
16. **Personnel.** The Consultant further acknowledges that the Consultant has represented to the Commission the availability of certain members of the Consultant's staff who will be assigned to the Project, and agrees, therefore, that in the event of the unavailability of such members, the Consultant shall so notify the Commission in writing, and, upon the approval of the Executive Director, shall assign other qualified members of the Consultant's staff, to the Project.
17. **Relationship of Parties.** The relationship of the Consultant to the Commission hereunder is that of an independent contractor, and the Consultant, except to the extent expressly provided to the contrary in this

Agreement, shall have no right or authority to make contracts or commitments for or on behalf of the Commission, to sign or endorse on behalf of the Commission any instruments of any nature or to enter into any obligation binding upon the Commission. This Agreement shall not be construed as an Agreement of partnership, joint venture, or agency.

18. Miscellaneous.

- a. **Counterparts.** This Agreement may be executed in any number of counterparts, any of which shall be deemed an original.
- b. **Entire Agreement.** This Agreement constitutes the entire understanding and Agreement between the parties hereto and supersedes any and all prior or contemporaneous oral or written representations or communications with respect to the subject matter hereof, all of which communications are merged herein. This Agreement shall not be modified, amended or in any way altered except by an instrument in writing signed by both of the parties hereto.
- c. **Force Majeure.** Neither of the parties shall be liable to the other for any delay or failure in performance hereunder due to causes which are beyond the control of the party unable to perform. If a force majeure occurs, the party delayed or unable to perform shall give prompt notice to the other party, and the Commission may, at any time during the continuation of the force majeure event, elect to suspend the performance of the Consultant under this Agreement for the duration of the force majeure. The Commission shall not be obligated to pay for Services to the extent and for the duration that performance thereof is delayed or prevented by force majeure, but, provided the Consultant is not in default of any obligation of the Consultant hereunder, the Commission shall pay to the Consultant, according to the terms hereof, all compensation and reimbursements due to the Consultant for periods up to the effective date of suspension.
- d. **Governing Law.** This Agreement has been negotiated and executed in the State of Illinois and shall be construed under and in accordance with the internal laws of the State of Illinois.
- e. **No Waiver.** The waiver by either party of any breach of this Agreement shall not constitute a waiver as to any succeeding breach.
- f. **Notices.** All notices required to be given hereunder shall be given in writing and shall be hand delivered or sent by United States certified or registered mail, postage prepaid, addressed to Commission and to the Consultant at their respective addresses set forth above. If given as herein provided, such notice shall be deemed to have been given on the date of delivery, if delivered by hand, and on the second business day after mailing, if given by mail. The Commission or the Consultant may, from time to time, change the address to which notices hereunder shall be sent by giving notice to the other party in the manner provided in this subparagraph.
- g. **Severability.** In the event that any provisions of this Agreement shall be invalid, illegal or unenforceable, the validity, legality and enforceability of the remaining provisions shall not in any way be affected or impaired thereby.
- h. **Successors and Assigns.** Except as otherwise provided herein, this Agreement shall be binding upon and inure to the benefit of each of the parties hereto and their respective successors and assigns.
- i. **Consultant's Authority.** Execution of this Agreement by the Consultant is authorized by a resolution of its Board of Directors, if a corporation, or similar governing document if a partnership or a joint venture, and the signatures(s) of each person signing on behalf of the Consultant have been made with complete and full authority to commit the Consultant to all terms and conditions of this Agreement, including each and every representation, certification and warranty contained or incorporated by reference in it.

SCOPE OF SERVICES & TASK ORDER PROCESS

BACKGROUND AND SCOPE OF SERVICES

A. INTRODUCTION

Created as an independent governmental unit, the Public Building Commission of Chicago (the "PBC" or "Commission") plans, designs, builds, and renovates, public facilities for governmental agencies in the Chicago and Chicagoland area that reflect the highest standards of environmental and economic sustainability. Our clients include, but are not limited to, the City of Chicago, Chicago Public Schools, Chicago Public Library, Chicago Park District, Chicago Fire Department, City of Chicago Department of Fleet and Facility Management, City Colleges of Chicago, Metropolitan Water Reclamation District, and Cook County.

The PBC is currently soliciting qualifications and proposals from firms interested in providing Constructability Review Services ("Services") to the PBC.

The PBC accepts and encourages Joint Venture Partnerships and strongly encourages participation with MBE or WBE firms. Respondents interested in Joint Venture Partnerships must have the appropriate licensure/qualifications, and combined financial and technical capacity required by this solicitation.

A completed Disclosure Affidavit (Exhibit B) must be submitted by firms interested in submitting as joint venture entity. Respondents must submit a copy of the entity's Joint Venture Agreement which clearly identifies the resources, capabilities, and capacity of each joint venture firm available to be allocated to the performance of the Agreement.

B. INTENT

The intent of this Request for Proposals ("RFP") is to identify and prequalify Constructability Review Firms to provide Constructability Review Services for various projects that may be undertaken by the Commission. It is the intent of the Commission to generate a pool of firms to perform the Services. Qualified firms interested in submitting proposals to provide such services are required to follow the guidelines and instructions contained in this RFP. The PBC, at its sole discretion, may choose to retain none, one, or more firms to perform the Services.

C. SCOPE OF SERVICES

The Commission is seeking a firm to provide constructability review services for various projects. The services may include, but are not limited to: reviewing design documents at all phases of a project, provide reports detailing any and all issues, including identifying any alleged design errors and/or omissions, built-in flaws, site logistics and constraints that may impact construction material or contractor procurement, work activities, construction costs, and overall project delivery schedule. In addition prepare and maintain detailed lessons learned and best practices logs, as requested.

The Selected Respondent(s) shall, at all times, work collaboratively with the Commission, the corresponding Design Team, any/all Sub-Consultants, Contractors, Construction Managers, and Design-Builders, as well as all regulatory agencies throughout the life of the project.

The general administration and coordination activities to be performed by the Selected Respondent(s) include but are not limited to the below:

- Provide adequate staff to coordinate and support all required Services.
- Attend kickoff and periodic milestone meetings as required.
- Perform field visits and related activities, as required, to become thoroughly familiar with the site and conditions surrounding the site, as well as, document the conditions observed on the site.
- Work with the Commission to evaluate the risk associated with various designs and ensure that variables such as site logistics, material, design, etc., are adequately reviewed for constructability.
- Advise on the advantages and disadvantages various project delivery methods may have on constructability.
- Participate in value engineering exercises and evaluate proposed building design systems as to the effects of such exercises on quality and constructability.
- Conduct detailed reviews of construction cost estimates at every phase of design and construction.

- Review any/all proposed and executed changes in work ("change orders") for development and maintenance of lessons learned and best practices logs.

The Selected Respondents will also be responsible for providing the following services:

1. Constructability review of the 50% and 100% Construction Document milestones. The Selected Respondent(s) shall review the Construction Documents to determine their adequacy and completeness of the project.
2. Any review shall, at a minimum, consist of plans and specifications, in addition to information found in reference documents and geotechnical reports. Site inspection may be required.
3. Selected Respondent(s) shall identify risks including conflicts, errors and omissions that could impact cost, schedule or quality of the work.
4. Selected Respondents shall provide written comments in a format determined by the Commission (alternative formats may be considered).
5. Selected Respondents may also be required to back check the 50% review comments at the 100% review milestone.

The Selected Respondent is also responsible for any and all 'as assigned' aspects of Constructability Review Services required by the Commission, which may include, but not be limited to:

1. Providing education and training in areas of Constructability Review and QA/QC processes.
2. Providing all related services such as: field visits, coordination meetings with the Project Manager, and other Constructability Review related work.

D. ADDITIONAL CONTRACT REQUIREMENTS

1. Respondents shall be responsible for providing all labor, equipment, material and consumables necessary for the production of the Services.
2. The Commission will not be obligated to any minimum or maximum number of projects assigned.
3. Selected Respondents must be licensed as applicable, and be in good standing with the licensing authority. Proof of Licensure is required, and is subject to Commission review/approval.
4. All work completed will be subject to inspection and approval by the Commission. The Commission reserves the right to reject and refuse acceptance of work, which is not in accordance with the instructions, specifications, drawings, data or quality standards of same. Rejected work shall be at the expense of the Respondent(s).
5. Any designs, drawings, pictures, blueprints, etc., whether electronic and/or hard copy, provided by the Commission and/or the Authorized Commission Representative(s) for use in obtaining permits, or any duty/activity requiring a license, may involve property rights of the Commission and all such documents shall be held as confidential by the Respondent(s).
6. Incomplete work, or any inaccurate information, may make Respondent ineligible for future assignments, if any.

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TASK ORDER PROCESS

A. TASK ORDER PROCESS

Respondents must perform the requested Constructability Review Services in a satisfactory manner consistent with the standard of performance stated in Exhibit F – Form of Agreement. Such Services will be determined on an as-needed basis and as described in a Task Order Services Letter. Respondents will be solely responsible for the professional and technical accuracy and completeness of all work and/or materials furnished.

1. Task Order Rotation

- a. The PBC has the discretion to issue a Task Order to the Selected Respondent in one of the following manners:
 - i. Rotational Basis: In an effort to ensure equitable distribution of the Task Orders, the PBC may opt to assign the work on a rotational basis.
 - ii. Solicit competition from multiple Selected Respondents: In an effort to ensure competition, the PBC reserves the right to solicit pricing from a subset of the Selected Respondents.
 - iii. Directed Task Order: The PBC reserves the right to award a Task Order to a Selected Respondent. A Directed Task Order assignment may be the option of choice when:
 - a) The project requires specific expertise, knowledge, and/or past experience;
 - b) The PBC is attempting to meet aspirational goals designed to eradicate the effects of inherent competitive disadvantages in the award of contracts;
 - c) Performed similar services in the past;
 - d) The emergency nature of the assignment;
 - e) The project would be best served by the specific skillset of personnel found within a particular firm; or
 - f) Any reason outlined by the Commission.

2. Task Order Request

- a. For services as described in Scope of Services, the PBC will issue a Request for Proposal to an assigned Respondent, via e-mail, describing the project, scope of services required, special conditions (if applicable), required completion date, and all other pertinent information.
- b. Respondent(s) will have a specified number of days to respond to all items found within the Task Order Request which include Respondent's proposed MBE/WBE Plan. Failure to respond to the PBC's Request in a timely fashion may result in the PBC moving on to the next available Respondent(s). It is the sole responsibility of the Respondent to seek clarification on the Request prior to commencement of services.

B. TASK ORDER ACCEPTANCE AND ISSUANCE

1. Task Order

- a. If the proposal is accepted, the PBC will, by written Task Order signed by the Commission, authorize the Respondent to perform the Services as described in the Task Order.
- b. The Commission reserves the right to request a scope review meeting prior to commencement of the Services, to ensure all scope and logistical items have been appropriately planned for by the Respondent.

SCHEDULE A

COST PROPOSAL

SCHEDULE A FOLLOWS

**CONSTRUCTABILITY REVIEW SERVICES – PS3016
SCHEDULE A – COST PROPOSAL BASED ON PERSONNEL**

A. HOURLY RATE(S) / RANGE

PERSONNEL		HOURLY RATE(S) RANGE
1	Principal	\$ 210 - 237.50
2	Project Manager	\$ 160 - 190
3	Quality Control	\$ 132 - 165.50
4	Project Architect	\$ 96.25 - 115.82
5	Technical Coordination	\$ 82.50 - 97.87
6	Estimating	\$ 110 - 140
7	Other:	\$
8	Other:	\$
9	Other:	\$
10	Other:	\$
11	Other:	\$
12	Other:	\$
13	Other:	\$
14	Other:	\$

SCHEDULE B

KEY PERSONNEL

SCHEDULE B FOLLOWS

Michael J. McMurray
Principal in Charge



Mr. McMurray works with Globetrotters' Chairman to oversee all of the firm's business units to ensure that appropriate business strategies are implemented and revenue goals are met. He serves as Globetrotters' corporate and government business point of contact, and also works with the firm's Legal and Compliance Departments to ensure that the necessary infrastructure is in place to support the firm's operating units. Mr. McMurray's prior experience includes leadership positions with the City of Chicago including Deputy Commissioner for the Department of Aviation and Managing Deputy Commissioner for the Department of General Services where he was responsible for executing Job Ordering Contracting (JOC) projects.

PROFESSIONAL POSTS:

GLOBETROTTERS, Chicago, IL, 2006 – Present.

President, 2013 – Present

Chief Operating Officer, 2006 – 2013

Provides executive leadership of ongoing projects in the fields of aviation, public housing, privatized management and operations management. Clients & projects include:

- **Chicago Public Schools:** assessment, design, and construction phase services for building renovations.
- **Chicago Department of Family and Support Services:** program management and code compliance for Head Start Program involving 500+ facilities.
- **Chicago Department of Buildings:** municipal code compliance building permit plan reviews for numerous disciplines
- **Chicago Department of Housing & Economic Development:** property management for both occupied and vacant buildings.
- **Chicago Department of Water Management:** construction phase services for grid main replacements and building renovations.
- **Chicago Department of Aviation:** design phase services for new and renovated terminals and ancillary facilities, design for airfield runways and taxiways, and property management for International Terminal 5 and over 500 properties acquired for O'Hare Modernization Program.
- **Cook County:** assessment, design, and construction phase services for building renovations and emergency generator program.
- **Chicago Housing Authority:** assessment, design, and construction phase services for several consecutive prime design consulting contracts involving over 35 modernization projects.
- **Housing Authority of Cook County:** assessment, design, and construction phase services for capital renovations under HUD's Rental Assistance Demonstration (RAD) program.
- **McCormick Place and Navy Pier:** facility management support for one of largest convention centers in U.S. and most visited tourist destination in the Midwest.

Managing Deputy Commissioner, City of Chicago Department of General Services, Chicago, IL, 2005 – 2006.

- Responsible for executive of Job Ordering Contracting (JOC) for the Department.
- Developed and implemented policy for all City of Chicago-owned and leased facilities. Helped oversee the Department's day-to-day operations, including management of the City's real estate portfolio, procurement of reliable low-cost sources of energy, capital planning, and the safe and efficient management of all City facilities.
- Responsibilities included human resource management, including supervision of property

EDUCATION:

J.D., Emphasis in Administrative and Contract Law, University of Michigan Law School, Ann Arbor, MI

Council on Legal Education Opportunity Fellow, University of Michigan Law School, Ann Arbor, MI

B.A. in Political Science/Philosophy, Northwestern University, Evanston, IL

Chicago Urban Field Studies Program Fellow, Northwestern University, Evanston, IL

REGISTRATIONS AND AFFILIATIONS:

Member of the Illinois State Bar, United States District Court, Northern District of Illinois, 1989

Member of the Indiana State Bar, United States District Court, 1998

Member, Cook County, Chicago, and American Bar Associations

Member, Conference of Minority Transportation Officials

Member, U.S. Green Building Council (Corporate)

TENURE WITH GEC:
12 years

TENURE WITH OTHER FIRMS:
14 years

management consultants of all City-owned facilities. Served as liaison to the Departments of Procurement Services and Law. Directed legal counsel in the preparation and negotiation of purchase agreements and related legal documentation. Provided oversight and coordination of due diligence and compilation of leasing/purchasing documentation for submission to the city council.

Managing Deputy Procurement Officer, City of Chicago Department of Procurement Services; and Contract Compliance Officer, City of Chicago, IL, 2003 – 2005.

- Managed day-to-day operations and monitored vendor contract performance in the City's annual procurement of approximately \$4 billion in goods and services.
- Implemented diversity initiatives to incorporate minority and women-owned businesses into all aspects of the City's supply chain for the procurement of commodities, construction work, and professional services. Served as liaison to minority and women business communities.
- Responded to media inquiries on legislative issues and represented Department at press.
- Supervised a support and professional staff of 35 employees.

Deputy Commissioner, City of Chicago Department of Aviation, IL, 2001 – 2003.

- Oversaw all leasing, property management, and real estate acquisition for O'Hare and Midway International Airports. Negotiated domestic and international airline leasehold and license agreements.
- Identified airline competition and legislative issues in collaboration with Mayor's Office of Intergovernmental Affairs.
- Worked closely with and testified before U.S. Department of Transportation and Federal Aviation Administration on annual airport Capital Improvement Programs, airport competition plans, and federal compliance issues.
- Managed airport consultants as well as professional staff of 20 employees.

Senior Staff Counsel, Corporate Counseling and Procurement, Chicago Housing Authority (CHA), Chicago, IL, 2000 – 2001.

- Represented the CHA in municipal, commercial and real estate matters.
- Provided legal counsel on procurement, contract compliance and regulatory issues.
- Drafted and reviewed Request for Proposals, Request for Qualifications and Invitation for Bids for legal sufficiency.

Senior Staff Attorney, United Auto Workers-Ford Legal Services, Calumet City, IL, 1997 – 2000.

- Represented United Auto Workers' members in administrative and civil litigation. Practice included general litigation, labor relations, real estate, and employee benefits.
- Evaluated liability issues and recommended litigation and bargaining strategies. Extensive discovery and contested motion practices.

Assistant Regional Counsel, U.S. Social Security Administration, Chicago, IL, 1994 – 1997.

- Managed civil litigation cases arising under the U.S. Social Security Act.
- Evaluated liability claims in preparation for litigation and recommended legal strategies and settlement options
- Extensive statutory analysis and drafting experience, including preparing settlement agreements and administrative opinions.

Litigation Associate, Stanley L. Hill & Associates, Chicago, IL, 1992 – 1994.

- Represented municipalities and other clients in commercial and tort litigation matters.
- Managed all stages of real estate transactions, including due diligence inquiries, acquisition, and sales. Negotiated terms, and drafted contracts and closing documents.

William L. Sonna, SE

Project Manager and Structural Engineering



Mr. Sonna is a senior design engineer and project manager with over 35 years of experience in the design and analysis of a wide range of building types and structural systems. He has designed steel, concrete, masonry, wood, and cold formed steel.

PROFESSIONAL POSTS:

Senior Structural Engineer/Project Manager, GLOBETROTTERS, Chicago, IL, June 2016 – Present.

Senior Engineer, Middough, Inc. 2011 – 2016.

Structural Engineer & Project Manager, CSA Group/Macondo, Chicago, IL, 2005 – 2009.

Senior Project Engineer, Lester B. Knight/ M+W Zander, 2000 – 2005.

Senior Project Engineer, Chris P. Stefanos and Associates, Inc., 1995 – 2000.

Lead Engineer, Cordogan, Clark, and Associates, Chicago/Aurora, 1990 – 1995.

Lead Structural Engineer, Delon Hampton & Associates, Chicago, 1986 – 1989.

Structural Engineer, Sargent and Lundy, Chicago (GDS Associates), 1985 – 1986.

Structural Design Engineer, Chicago Park District, Chicago, 1982 – 1985.

Structural Engineer, Nelson, Ostrom, Baskin, Berman & Associates, Chicago, 1981 – 1982.

Structural Design Engineer, Sargent and Lundy, Chicago, IL, 1979 – 1980.

PROJECT EXPERIENCE:

City of Chicago Department of Buildings: Municipal Code Compliance Building Permit Plan Review, Chicago, IL. Manages multi-discipline plan reviews for Developer Services and Direct Developer Services, and performs structural engineering plan reviews.

City of Chicago Department of Aviation: East Airfield Lighting Control Vault at O'Hare International Airport, Chicago, IL. Structural Engineer for design of lighting control vault to support lighting loads, circuits, and equipment of Runways 9C/27C, Runway 9R/27L Extension, and taxiways in O'Hare's north airfield. Project Value: \$13 million.

CITGO Lemont New Desalter, Lemont, IL. Structural Discipline Lead for the design of structural foundations, pipe racks, equipment pads, and pipe supports for a new secondary desalter for the Lemont Refinery. Project Value: \$25 million.

Fermilab National Accelerator Laboratory. Structural Discipline Lead for the design of Fermilab's new Muon campus, including the MC-1 and Mu2e buildings as well as their connecting beam line enclosures. The structures required the design of two story basement structures supporting up to sixteen feet of concrete shielding, bridge crane supports, and tunnels. Project Value: \$1 billion+.

New Office Facility for Haldor Topsoe, Houston, TX. Structural Discipline Lead for a three story office facility in for Haldor Topsoe USA.

Chicago Housing Authority: Prime Design Consultant, Chicago, IL. Structural Engineer & Project Manager responsible for assessment, planning, design and construction administration. Conducted structural assessments of scattered sites to assist the agency in reaching decisions on whether to renovate or tear them down. Led a multidiscipline forensic team and prepared a report on the cause of failure and feasibility of repair of 4556 S. Woodlawn, and presented the report to the lead group of CHA Capital Construction. Designed the replacement structure and obtained the building permit. Oversaw facade renovations of two senior high rises

EDUCATION:

M.S., Structural Engineering,
University of Illinois at
Chicago, 1983

B.S., Structural Engineering,
University of Illinois at
Chicago, 1979

REGISTRATIONS AND AFFILIATIONS:

Structural Engineer, State of
Illinois, Number 081-004633,
1986

TENURE WITH GEC:
2 years

**TENURE WITH OTHER
FIRMS:**
37 years

Chicago Patrolmen's Credit Union, Chicago, IL. Structural Engineer and Project Manager responsible for assessment, planning, design and construction administration for a banking headquarters and retail facility occupying an entire city block in Chicago's West Loop.

Caguas Science Center, Caguas, Puerto Rico. Structural Engineer and Project Manager responsible for assessment, planning, design and construction administration for a children's science museum and community center resulting from a large-scale retrofit and alteration of an abandoned Sears store.

Chicago Park District. Structural Engineer and Project Manager responsible for assessment, planning, design and construction administration. Prepared a system wide task order bid package for the repair of masonry, concrete, and related materials. The package included unit price list, specifications, and typical details.

Department of Energy: Spallation Neutron Source Central Lab and Office Building, Oak Ridge, TN. Senior Project Engineer responsible for structural design and contract documents for a 250,000 sq. ft. office and laboratory facility. The CLO includes offices; a combination of flexible and uniquely designed laboratory spaces to support material, electronic, chemical and biological research; a dining facility and an auditorium. It is the primary public facility on the SNS campus and, as the first building encountered upon arrival to the site, is the "signature" facility of the complex.

Center for Nanophase Materials Sciences. Senior Project Engineer for structural design and contract documents for an 82,000 sq. ft. research center and user facility for the design, modeling, synthesis, processing, fabrication and characterization of novel molecular and nanoscale materials. The four story facility includes a 10,000 sq. ft., Class 100/1,000/10,000 cleanroom laboratory, conventional laboratories for materials science, chemistry and microbiology, office and conference spaces. The new facility will capitalize on the unique research tools afforded by the SNS and the High Flux Isotope Reactor located at Oak Ridge National Laboratories. The facility is designed to promote collaborative investigations between scientific disciplines and users from regional universities and U.S. Industries.

New Recruit Barracks, Recruit Training Center, Great Lakes, IL. Senior Project Engineer responsible for structural design and contract documents for a 184,000 sq. ft. barracks facility, including sleeping compartments, learning center, and dining facilities. The design build prototype has subsequently been used for 6 additional buildings with an additional 9 barracks planned. The structural system was designed to meet anti-terrorism/force protection requirements in addition to gravity, seismic and wind.

The Sterling - A 48 story reinforced concrete residential tower and 13 story parking garage in River North, Chicago, IL. Senior Project Engineer responsible for the structural design contract documents

Arlington Town Square, Arlington Heights, IL. Senior Project Engineer responsible for the structural design contract documents for a new 13 story reinforced concrete mixed use residential / commercial facility.

The Allerton Hotel, Chicago, IL. Senior Project Engineer for design contract documents for the restoration of a 24 story, 75 year old steel frame/masonry clad hotel on Michigan Ave.

South LaSalle, Chicago, IL. Senior Project Engineer for design contract documents for the renovation and retrofit of a 20 story steel frame / masonry office building in the Loop.

Moody Bible Institute. Senior Project Engineer responsible for the structural design contract documents for a new 3-story masonry clad steel frame building constructed on top of an existing two-way slab structure.

Gerard Pascazio, Lic. Arch.
QA/QC Manager



Mr. Pascazio has over 30 years of experience providing oversight for design and construction projects throughout the City of Chicago and the metropolitan area. As a former Deputy Commissioner for the City of Chicago Department of Buildings, he managed the Permits Section and is an expert in the permitting process and building code. Mr. Pascazio's extensive experience with the City of Chicago also includes leadership positions with the Departments of Aviation, Transportation, and Public Works.

PROFESSIONAL POSTS AND ACCOMPLISHMENTS:

Project Manager, GLOBETROTTERS, Chicago, IL, March 2015 – Present.

City of Chicago Department of Buildings: Municipal Code Compliance Building Permit Plan Review, Chicago, IL. Project Manager for Globetrotters' performance of plan reviews. (2015-Present)

Deputy Commissioner – Permits, City of Chicago Department of Buildings, Chicago, IL, 2008 – 2011.

Managed Permits Section of Department of Buildings that issues approx. 47,000 permits per year. This included Easy Permit Process (EPP) for issuance of small repair permits, Standard Plan Review (SPR) for issuance of small and medium projects, and Developer Services for issuance of medium to large projects including Green Permit Program.

- Supervised Permit staff of 99 employees.
- Monitored permit processes to ensure efficiency & functioning at agreed-upon targets.
- Provided presentations to citizen groups, professional organizations, and community groups on various subjects associated with permit processes.

Accomplishments:

- Coordinated move of Geotech section from Department of Transportation to Department of Buildings, and developed new review procedures for Geotech review.
- Implemented Stormwater Management Review process to comply with new Stormwater Management Ordinance.
- Created new Porch guideline to assist building owners, design professionals, reviewers, and inspectors in permitting and inspection of porches and decks.
- Expanded e-plan review from Developer Services process to all permit processes, which streamlined permit review process by allowing all reviewers to have simultaneous access to drawings. This reduced or eliminated amount of paper and reduced permit applicants' trips to permit offices.

Deputy Commissioner of Information Technology, City of Chicago Department of Buildings, Chicago, IL, 2007 – 2008.

Led Information Technology section of Department of Buildings charged with managing departments' databases, which converted department from paper to digital process. Migrated all permit and inspection processes to Hansen software.

- Supervised information technology staff of 3 employees.
- Worked as liaison to Department of Information Technology.
- Coordinated implementation of mobile computers to department's inspection staff.

Deputy Director of the Bureau of Developer Services, City of Chicago Department of Construction and Permits, Chicago, IL, 2003 – 2007.

Supervised professional and administrative staff for bureau responsible for Developer Services permit program for largest construction projects, Regulatory Review that writes and maintains Chicago Building Code, and Green Permit Process for projects that have been designed to standards that encourage sustainability.

EDUCATION:

Bachelor of Architecture,
University of Illinois at Chicago,
1978

REGISTRATIONS AND AFFILIATIONS:

Licensed Architect, State of Illinois, No. 001-010511, 1983

AWARDS AND HONORS:

Structural Engineers Association of Illinois: Certificate of Honor for State/Van Buren Elevated Train Station, 1998

Runner-Up Merit Award at the Chicago Building Congress for State/Van Buren Elevated Train Station, 1998

Department of Aviation Commissioner's Award, 2002

Association of Licensed Architects Certificate of Appreciation, 2010

TENURE WITH GEC:
3 years

TENURE WITH OTHER FIRMS:
37 years

Coordinating Architect II, City of Chicago Department of Aviation – Development Architecture, Chicago, IL, 2001 – 2003.

Assistant to Chief Airport Architect and Project Manager for Tenant Designs and Capital Improvement projects.

- Supervised architectural staff and consultants, and assigned tenant review projects.
- Reviewed consultant design for capital improvement projects.
- Assisted in creation of a ten-year Capital Improvement Program.
- Performed constructability reviews and compliance with Airport Standards.
- Coordinated Building Permit Process for all Airport System Projects.

Assistant Project Director, Bureau of Bridges and Transit, City of Chicago Department of Transportation, Chicago, IL, 1994 – 2001.

Project Manager on various transit design projects and Assistant to Section Chief.

- Supervised outside consultants in preparation of design and contract documents.
- Project Manager for the following:
 - o Award winning State and Van Buren CTA Station replacement.
 - o Washington/Wells CTA Station consolidation of two stations into one station.
 - o Clark/Lake Phase I to Phase IV, renovation to provide a major transfer point between various CTA Loop “L” elevated lines and the subway Blue Line.
 - o Washington/Wabash Station consolidation of three stations in to one station.
 - o Michigan Avenue Renovation from Randolph to Congress Blvd.
 - o Jackson Blvd. & Van Buren Street Bridges over Metra electric tracks.
 - o Schematic phase of the Lakefront Millennium Project.

Assistant Project Director – Head of Division I, Bureau of Special Services, City of Chicago Department of Transportation, Chicago, IL, 1992 – 1994.

Head of Division I, which was responsible for design and construction of Loop “L” Rehabilitation program and \$165 million State Street Rehabilitation program. Also responsible for design and construction of Park and Ride facilities, bicycle parking, and pedestrian ways.

- Supervised 7 architects and engineers involved with design and construction.
- Supervised consultants in preparation of design and contract documents.
- Supervised activities of construction managers.
- Project Manager for CTA Loop “L” Renovation, State St. Subway Station Renovation and the Dearborn St Station Renovation.

Coordinating Architect I, Bureau of Construction Management – Architectural Projects, City of Chicago Department of Public Works, Chicago, IL, 1987 – 1992.

Supervised and coordinated activities of 11 architects, who in turn supervised construction and renovation of various City of Chicago facilities.

- Processed and reviewed correspondence to and from contractors.
- Reviewed and processed change order requests.
- Prepared job progress reports and monitored supervision costs.
- Performed constructability reviews of contract documents prior to project going for bid.
- Coordinated activities of Asbestos Abatement Program, including preparation of contract documents and asbestos testing contracts.
- Reviewed lead abatement contracts.
- Reviewed underground storage tank removal projects.

Resident Architect, Bureau of Construction Management, City of Chicago Department of Public Works, Chicago, IL, 1981 – 1987.

Represented City of Chicago at construction site and ensured construction was proceeding according to contract documents. Also determined validity of change order requests and proposals, and prepared monthly pay estimates.

Prakash S. Hemavathi, Lic. Arch.

Architecture



Mr. Hemavathi has 35+ years of public and private sector design, construction administration, project management and QA/QC experience. He has worked on numerous public sector projects from schematic design through construction administration. Mr. Hemavathi has advanced understanding of architectural design, detailing, value engineering and construction documentation. He is highly knowledgeable of architectural practices, principles, procedures and concepts, building codes, federal, state and local regulations and construction practices.

PROFESSIONAL POSTS:

Project Manager/Architect, GLOBETROTTERS, Chicago, IL, Oct. 2018 - Present.
Project Architect, Milord Company, Bridgeview, IL., 2013 – 2018.
Project Architect, GLOBETROTTERS, Chicago, IL, 2002 – 2013.
Project Manager/Sr. Technical Architect, DeStefano and Partners, Chicago, IL, 1999 – 2002.
Project Architect/ CAD Manager, Loeb Schlossman & Hackl, Inc., Chicago, IL, 1993 – 1999.
Architectural Consultant, Self-Employed, Chicago, IL, 1992 – 1993.
Project Architect/ CAD Manager, Gordon Burns & Associates, Chicago, IL, 1990 – 1992.
Project Architect, McGehee/ Nicholson/ Burke Architects, Inc., Memphis, TN, 1986 – 1990.
Intern Architect, Michael Jones & Associates, Memphis, TN, 1984 – 1986.
Intern Architect, Adam S. Karibian & Associates, Detroit, MI, 1984.
Senior Architect, P.S. Joshi & Associates, Bangalore, India, 1980 – 1983.
Design Draftsman, Chandrashekar & Associates, Bangalore, India, 1977 – 1979.

PROJECT EXPERIENCE:

City of Chicago Department of Buildings: Municipal Code Compliance Building Permit Review, Chicago, IL. Performed architectural permit reviews.

Chicago Public Schools: School Renovations, Chicago, IL. Managing construction administration for the renovation of numerous public schools.

Chicago Transit Authority: Red and Blue Line Escalator Replacements, Chicago, IL. Project Architect that managed construction administration for the replacement of nine existing escalators and widening of existing stairs at locations for the CTA subways on State St. (Red Line) and Dearborn Ave. (Blue Line). This included kiosks at grade at the entrances to the escalators/ stairways, as well as phasing schedules necessary for construction in an attempt to limit effects to mass transit in the area as much as possible. Project Value: \$16.5 million.

Village of Richton Park: New Community Center, 4455 Sauk Trail, Richton Park, IL. Senior Project Architect and designer for a new 14,000 sq. ft. community center addition to the Village municipal building. The Community Center was planned in collaboration with Village officials, stakeholders and residents. The building was designed to meet green initiatives through innovative use of the exterior load-bearing autoclaved aerated concrete (AAC) masonry wall, electrical controls and materials selections. Project Value: \$3.5 million.

Chicago Housing Authority: Prime Design Consulting Services, Chicago, IL. Architect for multi-disciplinary assessment & renovation of CHA properties. Globetrotters has provided architecture, engineering, and construction administration services for ADA compliance; façade and envelope repair; roof and window replacement; HVAC, electrical, plumbing, fire protection & security systems; elevator modernization; and civil/ site improvements. Contracts have included over 35 projects, many running concurrently. Project Value: \$120 million+.

EDUCATION:

Bachelors in Architecture,
Bangalore University, Bangalore,
India, 1980

Associate Degree, Computer
Technology, State Technical
Institute, Memphis, TN, 1986

REGISTRATIONS AND AFFILIATIONS:

Licensed Architect, State of
Illinois, Number 001-015448,
1994

TENURE WITH GEC:
11 years

TENURE WITH OTHER FIRMS:
25+ years

Chicago Housing Authority: Lowden Homes ADA Retrofit, Chicago, IL. Architect for upgrading designated tenant units to comply with all applicable accessibility standards.

Chicago Housing Authority: Lowden Homes Modernization, Chicago, IL. Architect for managing construction administration of residential unit modernizations on 18 row houses and new addition to administration building. Project Value: \$12 million.

Chicago Housing Authority: Senior Housing Renovations, Chicago, IL. Project Architect for construction administration for A/E renovation of seven (7) Senior Housing Properties ranging from 69,700 to 147,800 SF. Included kitchen and ADA bathroom upgrades, interior modernization, envelope repair, window installation, A/C unit upgrades, elevator modernization, roof replacement, plumbing piping replacement, emergency generators, elevator recall system, smoke detector replacement, reception/ security desk and entry lobby, central tenant mailboxes, manager and tenant service offices, recreational facilities, automated entry door system, exterior lighting, security camera system installation with secure building access, and civil/site improvements. Project Value: \$56 million.

Illinois State Toll Highway Authority: Fuel System Upgrade and Salt Dome. Project Architect for the design and development of construction documentation for Fuel System Upgrade at various maintenance yards. Developed construction documentation for the new Salt Dome at maintenance yard M-3 in Park Ridge, IL and M-8 in Naperville, IL. Familiar with Proliance, a web based construction management program. Project Value: \$5 million.

Cook County: New Cook County Hospital, Chicago, IL. Set up CADD standards and base sheets. Supervised CADD production and quality control.

Cook County: Parking Structure for New Cook County Hospital, Chicago, IL. Prepared construction documents including precast concrete construction details.

Chicago Park District: Year 2000 Pool Program, Chicago, IL. Project Architect for renovating five existing pool facilities including ADA upgrade. Designed, prepared construction documentation and administered construction of five new water parks

Prairie House at Central Station, Chicago, IL. Architect for construction administration. Project Value: \$43 million.

Prairie House Townhomes, Chicago, IL. Architect for construction administration.

Century Shopping Center, Chicago, IL. Designed and prepared construction documents for seven screen movie theatre and Bally's health club on top of existing shopping center.

Illinois State University: New Science and Laboratory Building, Normal, IL. Responsible for partial construction documentation and preliminary specifications. (1993)

Keystone Elementary School, Memphis, TN. Design Architect.

Germantown Civic Center, Germantown, TN. Architect for construction documentation.

Shenzen Civic Plaza, Shenzhen, China. Assisted in preparation of design competition presentation package.

Ken Lenoir Office Building, Memphis, TN. Designed and prepared construction documents.

Madison Community Hospital: Addition, Madison Hts, MI. Prepared construction documents for a 200-bed addition to an existing hospital.

J. Michael Kilpatrick, AIA Architecture



Mr. Kilpatrick has over 30 years of experience in the design and management of complex projects. Mr. Kilpatrick possesses exceptional abilities analyze the conditions to achieve technical resolutions to complex problems with respect to design concepts, the behavior of materials, construction documentation processes, coordination amongst all disciplines and documents, means and methods of construction, project budget, and QA/QC. Forward thinking, Mr. Kilpatrick always looks for the latest knowledge and innovations to generate the best details that will increase the performance of a building.

Mr. Kilpatrick's diverse experience includes higher education, multi-family, senior housing, hospitality, elementary schools, libraries, healthcare, commercial, financial, industrial, and transportation. He is skilled in AutoCAD, AutoCAD Architecture, Microsoft Project, Sketchup, Microsoft Office, Sketchbook, Bluebeam Revu, and Revit.

PROFESSIONAL POSTS:

Architect, GLOBETROTTERS, Chicago, IL, May 2011 – Present.
Architect, Jordan Mozer & Associates, Chicago, IL, 2007 – 2009.
Architect, Macondo Corp/ CSA Group, Chicago, IL, 2003 – 2006.
Architect, Ross-Barney + Jankowski, Chicago, IL, 1995 – 2003.
Architect, Loebel Schlossman & Hackl, Chicago, IL, 1988 – 1995.
Architect, Skidmore Owings & Merrill, Chicago, IL, 1987 – 1988.

PROJECT EXPERIENCE:

City of Chicago Department of Building: Developer Services Consulting, Chicago, IL. Provided building code reviews for compliance with the local, state, and national accessibility regulations. Building types reviewed include multi-family, hotels, and office buildings ranging from 200,000 to 1,200,760 square feet.

Chicago Public Schools: Chicago, IL: Newton Bateman Elementary School: Architect for producing construction documents and reviewing submittals of architectural elements that resulted from the major renovation of mechanical and electrical systems.

Chicago Public Schools: Haugan Elementary School: Architect for devising and drawings details, coordinating architectural components with MEP, and reviewing submittals of architectural elements that occurred with major renovation of mechanical & electrical systems.

Chicago Public Schools: Green Elementary School: Architect for devising and drawings details and coordinating architectural components with MEP of architectural elements that occurred with the major renovation of mechanical and electrical systems.

Governors State University / Capital Development Board: Family Development Center, University Park, IL. Architect for new construction for project that included a detailed roofing system, skylight, DEFS system, greenhouse connections, and vinyl siding assembly. Directed colleague for detailing the standing seam siding and storefronts, and assisted in construction administration with a focus on submittal review and punch list. Project Value: \$3 million.

J Hillis Miller Health Center Facilities Planning: School of Veterinary Laboratories and Lecture Hall, Gainesville, FL. Architectural Drafter for the space planning and rendering to obtain funding for a four-story building containing laboratories and an auditorium with a large animal accessible stage. Project Value: \$10 million.

EDUCATION:

Master of Architecture, University of Florida, 1987

Bachelor of Design, University of Florida, 1985

REGISTRATIONS AND AFFILIATIONS:

Licensed Architect, State of Illinois, No. 001-012912, 1989

TENURE WITH GEC:

7 years

TENURE WITH OTHER FIRMS:

24 years

Chicago Housing Authority: Prime Design Consulting Services, Chicago, IL. Architect for assessment and renovation of CHA properties ranging from single-family homes to high-rise buildings. Contracts have included more than 35 projects, many running concurrently. Project Value: \$120 million+.

Salita Development: Boutique Hotel Project, Chicago, IL. Architect for 114,000 sq. ft., 6-story boutique hotel with 168 guest rooms, spa, signature restaurant, and nightclub. Explored and resolved technical issues for various exterior wall assemblies including masonry, stucco, precast concrete, and glass block; and explored and resolved technical issues for steel and concrete structures. Led team in design development and construction administration, and provided complex technical resolutions and guidance. Met with OUC, DCAP, Developer Services, and Fire Department to address code and permit issues; guided staff in drawings and calculations necessary to obtain Special Zoning change. Project Value: \$30 million.

LaSalle Bank: New Construction of Bank Branches, 93rd and Commercial, Chicago, IL; 42nd and Ashland, Chicago, IL; New Lenox, IL; and Frankfort, IL. Architect that successfully fostered collaboration between Owner, Architect, and Builder in design and construction administration of several bank branches. Led team in production of and increased quality of construction documents; oversaw code compliance and permitting; and managed fees, budgets, and deliverables. Prepared and managed consultant contracts, evaluated general contractors' bids, and provided construction administration. Project Value: \$6 million.

Related Midwest Roosevelt Square Multi-Family Development, Chicago, IL. Architect for project involving three 5-story, 45 unit buildings with elevators and enclosed parking (one building had 1,000 sq. ft. of retail space); and a three-floor walk-up with 12 units that provided the prototype for three similar buildings. Project Value \$15 million.

Metra: 111th Street Metra Station Historic Preservation, Chicago, IL Architect for team that was preserving a registered landmark building over 100 years old. Assisted in construction documentation to assure quality and coordination of documents. Reviewed submittals during construction to ensure quality and compliance to work required to maintain integrity of building's Landmark status and restore it to its original state. Project Value: \$2.1 million.

Chicago Transit Authority: Fullerton and Belmont Stations, Chicago, IL. Architect for replacement of existing transit stations with fully accessible, multi-modal facilities. Provided schematic design documents involving all aspects of station and platform planning & canopy design. Included layout of fare control, station attendant booth, equipment rooms, employee restrooms, windbreaks, seating, accessibility, vertical circulation, & communication.

CDB/IDOT: Repair/Replace Roofs and Entry Ways Salt Domes & Maintenance Building, Chicago, IL & Suburbs. Architect for work on six salt domes and one metal maintenance building including replacement of shingle roofing system, repair of roof structure, repair of concrete walls with metal guards, repair or replacement of entry shed, refurbishing of metal paint finish, and replacement of a bay window. Provided analysis of existing conditions, cost estimates, specifications & construction drawings. Project Value: \$1.3 million.

Gary Housing Authority: Carolyn B Mosby Building Façade Improvements: Architect for creating roofing details and composing complete specifications for the re-roofing and repairs of precast concrete panels and windows for an eight-story seniors residential building

Marriott: Renaissance and Courtyard Hotels, Dresden, Germany. Architect for a project consisting of design for public spaces including reception, restaurants, bars, lobbies, spa, and retail shops of an existing historic hotel to convert it into a modern Renaissance Hotel with a new addition connected to it by a grand lobby for a Courtyard Hotel. Worked closely with renowned Designer Jordon Mozer to provide design and led team of design professionals in planning and documentation for schematic design. Project Value \$30 million.

[Kilpatrick, Page 2](#)

Michael D. Hall, Lic. Arch., NCARB *Architecture*



Mr. Hall has over 15 years of experience as a project architect, designer, and draftsman managing projects ranging in size and scope from small residential, corporate, and higher education interiors to large mixed-use developments and healthcare facilities. He has managed tasks and coordinated work during conceptualization, design, and construction administration services.

PROFESSIONAL POSTS:

Staff Architect, GLOBETROTTERS, Chicago, IL, March 2011 – Present.

Independently Employed, 2009 – 2011.

Architect Intern, Daniel P. Coffey Associates, Ltd., Chicago, IL 2005 – 2009.

Design/ Technical Manager, Torchia Associates, Chicago, IL 2004 – 2005.

Architect Intern, Loeb, Schlossman, and Hackl, Chicago, IL 2000 – 2003.

Architect Intern, Kallmann, McKinnell, and Wood Inc., Boston, MA, 1999.

Architect Intern, Jessen, Inc., Austin, TX, 1998 – 1999.

PROJECT EXPERIENCE:

City of Chicago Department of Buildings: Municipal Code Compliance Building Permit Review, Chicago, IL. Performs architectural permit reviews for projects that have included 516 N. Lake Shore Drive and 6327-49 N. Kenmore.

City of Chicago Department of Water Management: Thomas Jefferson Pumping Station Improvements, Chicago, IL. Architect for historic restoration and renovation that includes a building envelope rehabilitation involving roofing replacement, and masonry, façade, and structural repairs. Project includes HVAC and plumbing modifications, security improvements including new security cameras and exterior lighting, and site work to meet security and drainage requirements. Project Value: \$4-5 million.

City of Chicago Department of Water Management: Assessment of Five Pumping Stations, Chicago, IL. Architect for extensive multi-discipline condition assessment of five water pumping stations. Included development of condition assessment reports highlighting unsatisfactory and deteriorated conditions as well as repair recommendations and costs for the site, building envelope, interior spaces, and MEP and water pumping systems. DWM utilized the final report to develop maintenance programs and capital budgets for short and long term repairs. Project Value: \$20-30 million.

Chicago Public Schools: Lane Tech Academy – Phase 4 Stadium Renovation, Chicago, IL. Architect for renovation of 6,500 sq. ft. of stadium area in 8,000-seat stadium facility. Work included the restoration and repair of historic main entry area. Site work includes reconstruction of paving, stairs and planters. Provided architectural services for issuance of bid documents and drawings. Project Value: \$5 million.

City Colleges of Chicago: A/E Services for ADA Upgrades, Chicago, IL. Architect for drawings and research for ADA compliance renovation and improvements of restrooms at four college campuses. Project Value: \$1.1 million.

Harrington College of Design, 200 W. Madison, Floors 1 and 1M, Chicago, IL. Architect for build-out of two floors including 7,870 sq. ft. interior classroom, display, and reception area. Performed schematic design, design development and construction documents. (2004 – 2005)

EDUCATION:

Bachelor of Architecture,
University of Texas, Austin, TX,
2000

REGISTRATIONS AND AFFILIATIONS:

Licensed Architect, State of
Illinois, No. 001-020703, 2009

National Council of Architectural
Registration Boards (NCARB)
Certification, No. 115461

TENURE WITH GEC:

7 years

TENURE WITH OTHER FIRMS:

11 years

Allscripts, Inc.: Office Build-Out, Merchandise Mart, 20th Floor, Chicago, IL. Architect for 10,900 sq. ft. interior office build-out.

North Federal Savings Bank: Renovation, Chicago, IL. Architect for exterior and interior improvements and renovation of existing bank facility. Performed concept studies and schematic design, and exterior canopy renovation design.

Kimco Realty: 168 North Michigan Avenue, Chicago, IL. Architect for full 12-story shell and core renovation of 69,000 sq. ft. gross total new office and retail space. Provided schematic interior planning studies and design, design development, and construction documents.

Kimco Realty: Germania Place, Chicago, IL. Architect for full building renovation and adaptive reuse of existing interior space including 40,000 sq. ft. of total new and existing retail; new internal circulation core; and 11,890 sq. ft. new rooftop loft residential units. Performed schematic interior planning studies and design.

Planned Suburban Development, Chicago, IL. Architect for 22-acre development in 4 phases with 57,765 sq. ft. of retail; performing arts complex including 2,400-seat and 1,000-seat theaters; 53,430 sq. ft. health club; 331-unit condo towers; 168-unit condo mid-rises; 49 townhomes and 16 detached homes; 200-key hotel in existing building; and 1,720 lower level commuter rail parking spaces. Performed schematic interior planning studies and design.

Uptown Theater, Chicago, IL. Architect for renovation of existing theater including restroom and theater function and back of house updates. Optional 44,000 sq. ft. addition with mechanical, rehearsal, and back of house function/ 76,800 sq. ft. addition including 600 space parking structure. Performed schematic interior planning studies and design.

Metra: McCormick Place Station Platform Enhancements, Chicago, IL. Architect for recently completed design and construction documents for the renovation of the entrance, stairs, platform, shelters and signage. Design services were completed under an extremely aggressive schedule.

Chicago Housing Authority: Prime Design Consulting Services, Chicago, IL. Architect for assessment and renovation of CHA properties ranging from single-family homes to high-rise buildings. Contracts have included more than 35 projects, many running concurrently. Project Value: \$120 million.

Stevens Institute of Technology Management and Castle Point Garage, Hoboken, NJ. Architect for new 80,000 sq. ft. school facility with 1,000-space parking garage. Provided schematic design massing studies and exterior facade design.

Theater at Water Tower Place, Chicago, IL. Architect for new 600-seat performing arts interior build-out with adaptive reuse of existing cinema space. Provided schematic design and presentation drawings.

General Services Administration: National Laboratory and F.I.R.E. Testing Center, Beltsville, MD. Architect for new 182,000 sq. ft. facility. Provided design development for exterior and central atrium detailing, and massing studies.

Housing Authority of Cook County: Franklin Tower and Henrich House Apartments Renovation, Franklin Park, IL and Des Plaines, IL. Architect for bidding, permitting, construction documents and drawings for building renovation, life safety, and accessibility improvements to two senior housing properties. Project Value: \$15 million.

Sandra Mendez, Lic. Arch., LEED AP BD+C Architecture



Ms. Mendez has over 15 years of experience in architectural design and CADD. She has served as Project Architect for numerous projects for the Chicago Public Schools and has provided design services for several multi-family housing projects. Ms. Mendez is very familiar with all building, life safety and ADA codes. In addition, she has taught CADD and Architecture courses as an Adjunct Instructor.

Ms. Mendez has also performed Housing Quality Standards (HQS) inspections and is very familiar with both residential and public housing properties and their HUD requirements.

PROFESSIONAL POSTS:

Architectural CADD Manager, GLOBETROTTERS, Chicago, IL, 2006 – Present.

Adjunct Instructor, Alta Colleges, Westwood College, Woodridge, IL, 2004 – 2006.

Project Captain, MGDF Architects, Chicago, IL, 2000 – 2005.

Drafter, Nannis & Associates, Inc., Norcross, GA, 1999 – 2000.

PROJECT EXPERIENCE:

Chicago Public Schools: Capital Improvement and Facilities Operations Programs, Chicago, IL. CADD/ Project Architect for ongoing upgrades and replacement facilities for over 600 Chicago Public Schools.

Chicago Public Schools: Lane Tech Stadium Renovation, Chicago, IL. Project Architect for master plan of existing Lane Tech Stadium site for a phased development to upgrade the facilities to be compatible with contemporary sports and spectator events and accommodate facilities to be ADA compliant. Completed design thru Construction Administration for Phases I & II. Completed schematic design for Phase IV. Project Value: \$5 million.

Chicago Public Schools: Knute Rockne Stadium Renovation, Chicago, IL. Phased development of a new stadium and concessions, lockers, restrooms and upgrade facilities to be ADA compliant. The project was a Planned Development for the City of Chicago Planning Department. Project Value: \$5 million.

City of Chicago: Department of Family Support Services: Facility Inspections, Chicago, IL. Performing annual safety inspections for over 400 daycare facilities to comply with CFR 1304, CBC, NFPA, and IDH regulations. Follow-up inspections to ensure compliance.

City of Chicago: Department of Family Support Services: Construction Administration, Chicago, IL. Provided coordination between contractors and multiple owners at several locations, resulting in project completion within limited time constraints to meet compliance for Federal review.

Village of Richton Park: New Community Center, Richton Park, IL. Project Captain for a new 14,000 sq. ft. community center addition to the Village municipal building that was planned in collaboration with Village officials, stakeholders and residents. The building was designed to meet green initiatives through innovative use of the exterior load-bearing autoclaved aerated concrete (AAC) masonry wall, electrical controls and materials selections. Project Value: \$3.2 million.

CDB/IDOT: Roofing of 3 Salt Domes, Cook Co. various locations. Project Architect of re-roofing of salt domes and entry way renovations. Worked on Program Analysis Report through Construction Management.

EDUCATION:

Masters in Architecture,
Illinois Institute of Technology,
Chicago, IL, 2002

B.A., Architectural Science,
University of Illinois at Chicago,
1997

Loyola University, Chicago, IL,
1990

REGISTRATIONS AND AFFILIATIONS:

Licensed Architect, State of
Illinois, No. 001.024416

LEED AP BD+C, No. 10261681-
AP-BD+C, Exp. 03/30/2017

TENURE WITH GEC:

12 years

TENURE WITH OTHER FIRMS:

7 years

Willow Lake Apartments Rehabilitation, Lombard, IL. Project Architect for the rehabilitation of a low-income, multi-family housing property following fire damage. Half of building, containing 12 residential units, was designed to match existing facilities.

Housing Authority of Cook County: PNA Assessments, Cook County, IL. Performed PNA assessments and assisted in cost analysis and reports for 21 property groups consisting of mid-rise, single family and multi-family housing units, townhomes and office buildings.

Housing Authority of the County of Cook: Housing Quality Standards (HQS) Inspections, Cook County, IL Inspector that performed initial, annual, special, emergency, and follow-up HQS inspections to ensure that buildings and apartment units meet code requirements.

Illinois Housing Development Authority: HQS Inspections for the Chicago Low-Income Housing Trust Fund, Chicago, IL. Inspector that performed initial, annual, special, emergency, and follow-up HQS inspections to ensure that buildings and apartment units meet code requirements.

Chicago Housing Authority: Make Ready & Life Safety Renovations, Chicago, IL. Performed inspections on houses for non-compliant issues for newly purchased CHA properties. Developed construction documents to obtain permits for several scattered single family homes.

Chicago Housing Authority: Life Safety Renovations, Chicago, IL. Developed schematic designs and construction documents for renovations to accommodate people with disabilities an area of refuge without disturbing original building design intent. Other life safety standards upgrades were achieved through interior renovation. Renovated interior lighting design while incorporating installation of sprinkler upgrades.

Richton Square Apartments Renovation, Richton Park, IL. Project Architect for the rehabilitation of a low-income, multi-family housing property following storm damage. 3 separate buildings were designed and constructed to match existing, yet provide ADA compliant facilities.

DuPage Covered Bridges Apartments Renovation, Carol Stream, IL. Secondary Architect for the capital rehabilitation of a low-income housing tax credit (LIHTC), multi-family apartment complex consisting of 17 buildings and 362 units. Work included new kitchen cabinets and bathroom vanities, common area upgrades, selective electrical upgrades, new roofs, new windows, doors, exterior siding, gutters and downspouts, and site improvements. Project Value: \$6 million.

Chicago Union Station: Lighting Fixture Renovation at Lower Levels, Chicago, IL. Replacement of 50+ year-old fixtures with reduced number & greater efficiency of state-of-the-art lighting fixtures with built-in motion detectors for energy efficiency. Included ramps at street level, concourse level, basement and sub-basement levels, and below the old Post Office. Project Value: \$270,000.

75th & Kedzie Development, Chicago, IL. Proposal for a master plan of a multi-tenant shopping center, senior housing and prototypical daycare facility.

The Chicago Theatre: Chicago Theatre Survey, Chicago, IL. CADD Technician for on-site field measurements and laser scanning to develop accurate, measured, existing condition CADD drawings. Project Value: \$12,000.

Philip J. Peterson, PE, LEED AP, CxA, REP *Mechanical Engineering*



As Manager of Mechanical Engineering, Mr. Peterson oversees all aspects of mechanical design: from condition assessment to conceptual design to quality assurance review to construction administration. An experienced Project Manager, he provides guidance to clients seeking LEED certification, and ensures that the latest and most innovative energy saving, cost efficient, and sustainable technology is incorporated into Globetrotters' designs. Mr. Peterson is a Certified Commissioning Agent with experience in assessing and commissioning building systems, providing value engineering, and developing preventative maintenance programs for facility operations. Mr. Peterson's 30+ years of experience includes a wide range of multi-discipline projects for aviation, educational, recreational, industrial, housing, healthcare, and municipal facilities, as well as consulting services with respect to environmental regulations and compliance strategies.

PROFESSIONAL POSTS:

Manager of Mechanical Engineering and Project Manager, GLOBETROTTERS, Chicago, IL, 1993 – Present.

Senior Mechanical Engineer, Envirodyne Engineers, Inc. (now AECOM), Chicago, IL, 1991 – 1993.

Mechanical Designer, Environmental Engineer, and Senior Mechanical Engineer, Sargent & Lundy, Chicago, IL, 1970 – 1991.

PROJECT EXPERIENCE:

Public Building Commission: Brighton Park II Elementary School, Chicago, IL. Mechanical Engineer for design of new 900-student school with 24 academic classrooms; 6 Pre-K and kindergarten classrooms; and science, computer, art, and music classrooms. LEED Gold Certification is being pursued for this 112,000 sq. ft. school. LEED features include condensing boilers, VFD fans and pumps, heat recovery systems, fixtures that reduce water usage, and low mercury lighting fixtures. Mr. Peterson also provided commissioning services. Project Value: \$23 million.

Public Building Commission: Benito Juarez High School Renovation and New Cultural Auditorium, Chicago, IL. Mechanical Engineer for renovation of school and design for new annex building, including major upgrades to the mechanical systems with boiler and electrical replacements. Project Value: \$28.35 million.

Public Building Commission: New Engine Company 102 Fire Station, Chicago, IL. Project Manager for fire station that achieved LEED Gold Certification. The building features a green garden roof, heat recovery HVAC systems, solar panels for heating domestic water, low water use plumbing fixtures, automated building systems, and indigenous landscape. Project Value: \$8.6 million.

Chicago Public Schools: Chiller Replacement at Chicago Agricultural High School, Chicago, IL. Project Manager for replacement of 300-ton electric air-cooled chiller and the heating season/cooling season cross-over valves and electric actuators. Project was completed ahead of schedule and \$20,000 below budget. Project Value: \$350,000.

Chicago Public Schools: Chiller Replacement at North Grand High School, Chicago, IL. Project Manager for replacement of 300-ton electric air-cooled chiller. Project Value: \$350,000.

Chicago Public Schools: Replacement of Cooling Towers for Kenwood Academy, Chicago, IL. Technical Manager for replacement of 50 year-old wooden 4-cell cooling tower with new energy efficient 2-cell tower. The two new fans have Variable Frequency

EDUCATION:

B.A. in Environmental Biology,
University of Montana, 1974

B.S. in Mechanical Engineering,
University of Illinois at Urbana-
Champaign, 1979

Project Management Training for
Architects/ Engineers, Capital
Development Board, 2002

REGISTRATIONS AND AFFILIATIONS:

Professional Engineer, State of
Illinois, Number 062-044623,
1988

Professional Engineer, State of
Wisconsin, Number 44447-6,
2015

LEED Accredited Professional,
2009

Certified Commissioning Agent
(CxA)

Registered Energy Professional,
2014

TENURE WITH GEC:
24 years

TENURE WITH OTHER FIRMS:
10+ years

Drive (VFD) motors. The fan speed is controlled by the discharge water temperature. The new tower is approximately 20 db quieter than the old tower. Project Value: \$365,000.

Chicago Public Schools: HVAC Design at Jamieson Elementary School, Chicago, IL. Project Manager for replacement of steam boilers, boiler breaching, and boiler feed systems as well as replacing unit ventilators. Project included replacing gym's supply and exhaust systems to comply with City of Chicago ventilation code. Project Value: \$1.9 million.

Chicago Public Schools: Boiler Replacements at James Madison Elementary School, Chicago, IL. Project Manager for replacement of gym's supply and exhaust systems to comply with City of Chicago ventilation code. Project Value: \$1.5 million.

Chicago Public Schools: Boiler and Chiller Replacement at Wildwood Elementary School, Chicago, IL. Project Manager for replacement of two gas fired steam boilers with two hot water boilers, replacement of domestic water heater and circulating pump, provision of new 100-ton chiller, replacement of all steam and condensate piping with hot water piping, replacement of unit ventilators with dual temperature hot/ chilled water coil unit ventilators, and disconnecting the existing pneumatic control system and installing a new web-based DDC BAS. Project Value: \$1.2 million.

City of Chicago Department of Water Management: Assessments of Pumping Stations, Chicago, IL. Project Mechanical Engineer for extensive multi-discipline condition assessment of 5 water pumping stations. Included development of condition assessment reports highlighting unsatisfactory and deteriorated conditions as well as repair recommendations and costs for the site, building envelope, interior spaces, and MEP and water pumping systems. DWM will utilize the final report to develop maintenance programs and capital budgets for short and long term repairs. Project Value: \$20-30 million.

Capital Development Board / University of Illinois at Chicago: MEP Upgrade and Adaptive Reuse of Alumni Hall, Chicago, IL. Lead Mechanical Engineer for adaptive reuse of a 1920's loft for use by UIC departments. The project included a new boiler, air handler units, and kiln exhaust. Project Value: \$5.2 million.

City Colleges of Chicago: Commissioning Services, Chicago, IL. Commissioning services for energy upgrades at seven campus locations, primarily the HVAC replacement at Dawson Technical Institute. Project Value: \$3 million.

University of Chicago: Heating and Cooling Master Plan, Chicago, IL. Project Manager for development of heating and cooling water distribution master plan for U of C campus. The plan also called for evaluation of alternative future power plant sites and cost estimates. Project Value: \$115,000.

College of Lake County: University Center, Grayslake, IL. Project Director for MEP/FP and site electrical services for new 91,000 sq. ft., 3-story facility with classrooms, offices, distance learning classrooms, seminar rooms, computer labs, electronic library, café, multi-purpose room, catering kitchen, and conference wing with a 100-seat lecture hall. In 2006, the Capital Development Board awarded this project with the *Thomas H. Madigan Award for Outstanding New Construction*. Project Value: \$25.6 million.

Illinois State Toll Highway Authority: Program Management for Tollway Maintenance Facilities System-wide, Downers Grove, IL. Mechanical Engineer for assessments and HVAC upgrades for all maintenance facilities. Program Value: \$110 million.

Village of Richton Park: Richton Park Community Center, Richton Park, IL. Lead Mechanical Engineer for new 14,000 sq. ft., multi-purpose Community Center for which Globetrotters provided planning, conceptual design, and AOR services in collaboration with community stakeholders. Project Value: \$3.2 million.

Jeff Sebek

Mechanical Engineering



Mr. Sebek has over 30 years of engineering experience with a unique combination of design, construction, commissioning and operating experience in the fields of public works and water utilities. He has extensive experience with selective demolition and retrofitting new systems within piping and utility tunnels of existing 24/7 Operational major municipal facilities. Mr. Sebek served as a Project Manager for a Job Order Contract (JOC) performing construction projects for the City of Chicago Department of Aviation, and has held engineering management positions in the City of Chicago Department of Water Management's (DWM) water treatment division. Mr. Sebek has been the Construction Manager of the DWM's Capital Improvement Program for its treatment and pumping facilities. His experience also includes roles as Project Design Manager and Mechanical Engineer for the City of Chicago Department of Public Works.

PROFESSIONAL POSTS:

Mechanical Engineer, GLOBETROTTERS, Chicago, IL, 2013 – Present.

Project Manager, SPAAN Tech, Inc., 2011 – 2013.

Assistant Engineer of Water Purification, Chicago Department of Water Management, Bureau of Water Supply, 1999 – 2011.

Assistant Project Director, Chicago Department of Water Management, Bureau of Water Engineering, 1992 – 1998.

Construction Manager, 1995-1998.

Project Manager, 1992-1995.

Mechanical Engineer, Chicago Department of Public Works, Bureau of Engineering, 1983 – 1992.

PROJECT EXPERIENCE:

City of Chicago Department of Buildings: Construction Permit Building Code Review, Chicago, IL. Performed review of Architect/Engineer design documents for conformance with Chicago Building Code. Code Reviews included Refrigeration Ventilation and Natural Gas piping design.

City of Chicago Department of Water Management: South Water Purification Plant – Dehumidification System Improvements, Chicago, IL. Provided mechanical design services for Filter Building equipment replacement and system expansion. Services included the design of interior routed natural gas pipeline providing reactivation energy to 7 locations.

City of Chicago Department of Water Management: Thomas Jefferson Pumping Station Interior/Exterior Improvements, Chicago IL. Provided mechanical engineering design services to upgrade building ventilation, plumbing, systems and equipment within historic pumping station building. Project Value: \$5 million.

City of Chicago Department of Water Management: Central Park Pumping Station Building Envelope Restoration, Chicago, IL. Resident Engineer that provided construction management services for project that included restoration of masonry, limestone, and terra cotta building surfaces; and rebuild of parapet walls, deteriorated brickwork, tuckpointing, and repair /replacement of terra cotta. Work also included removal and replacement of roofing systems as well as doors and windows; repair of concrete foundations; a rebuild of the loading dock; and repair and repainting of windows, security screens and steel framing. This project includes asbestos and lead abatement. Project Value: \$4.3 million.

EDUCATION:

B.S. in Mechanical Engineering,
University of Illinois at Urbana-
Champaign, August 1982

DePaul University, Chicago, IL,
Sept. 2000 – Jan. 2001

Mayor's Management Institute,
Executive Management Program

REGISTRATIONS AND AFFILIATIONS:

Professional Engineer-In-
Training, Illinois No. 061-020043

State of Illinois, Environmental
Protection Agency – Class "A"
Public Water Supply License

CERTIFICATIONS:

U.S. Dept. of Homeland
Security: National Incident
Command System, ICS-100
thru ICS-400

OSHA- HAZWOPER
Certification- 40 hour

MEMBERSHIPS:

American Water Works
Association

Illinois Section-AWWA

IM/TECH Committee

TENURE WITH GEC:
5 years

TENURE WITH OTHER FIRMS:
30 years

City Colleges of Chicago: Energy Upgrade Project – Mechanical and Infrastructure Improvements at Dawson Technical Institute and Various City Colleges Locations, Chicago, IL. Provided technical direction, construction management, start up and mechanical equipment commissioning. Energy saving systems included: rooftop mechanical HVAC units with new control systems, building automation system upgrades and integration, geothermal heating and cooling System, lighting and lighting control system upgrades.

Chicago Public Schools (CPS): Capital Construction School Renovation Program, Chicago, IL Construction Manager as part of a team of Owner's Representatives for CPS's Capital Development program, which was a fast-paced, ambitiously scheduled series of projects encompassing several dozen school facilities.

- Reviewed all of the General Contractor's work to assure that it was done correctly and in accordance with CPS's mandate.
- Provided all on-site QA/QC and conducted weekly project progress meetings for schools undergoing ADA upgrades that included new elevator installation, ADA ramps, accessibility upgrades, lighting upgrades, and site work including parking lot renovation with stormwater retention basin.

Notable Project:

- **Mount Vernon Elementary School Renovation:** Construction Manager for extensive elevator rehabilitation/replacement project within historic building that involved installation of new elevator car, repair of masonry in shaft enclosure, and rehabilitation of drive equipment and controls to enable school to meet ADA requirements. Work included daily monitoring of construction activities and operations and permit testing (through the City of Chicago Elevator inspection) to gain approval for use.

Cook County Dept. of Corrections: Security Post Upgrades at Cook County Jail, Construction Administration for MEP/FP, civil, and structural engineering services for upgrades to three security posts (5, 7 and 9). Project Value: \$11 million.

Chicago Housing Authority: Renovation Program for Residential Housing, Chicago, IL. Construction Manager for multiple projects. Supervised general contractor installing life safety systems including fire sprinkler systems, fire alarm system, and Rescue Area Assistance. Installation included upgrades to meet ADA and UFAS requirements in senior buildings.

Chicago Department of Aviation: O'Hare International Airport, SP+ Airport Services, Chicago, IL. Provided facility management/construction management services for the maintenance and upgrades to the Elevated Parking Structure and surface parking facilities. Tasks included the deployment and supervision of tradesmen and contracted services personnel, vendors, etc.

Gary Housing Authority: Genesis Towers Sub- Basement Sump Pumps System, Gary, IN. Provided field study of water infiltration and existing systems and design engineering services to solve long term water infiltration problems at historic hotel.

City of Chicago Department of Aviation (CDA): O'Hare JOC Program, Chicago, IL. Project Manager for Job Order Contracting (JOC) work that included proposing and executing projects as general construction contractor for O'Hare and Midway International Airports. Construction projects ranged from architectural upgrades and civil engineering to mechanical and electrical equipment and systems installations. Recent projects included installing system for providing temporary air conditioning to the United Terminal.

City of Chicago Department of Water Management (CDWM), Bureau of Water Supply: Assistant Engineer of Water Purification, Chicago, IL Managed the Water Treatment Division, consisting of two of world's largest conventional potable water purification plants. The division has 324 budgeted positions, an operating budget of \$20.6 million, and provides drinking water of exceptional quality to a population of 5.4 million.

Jasen R. Ginalski, PE, LEED AP

Mechanical Engineering



Mr. Ginalski is an award-winning LEED-certified, licensed mechanical engineer in IL, IN, MA, PA and TN. His experience includes 20 years designing HVAC and hydronic systems for a variety of projects ranging from small/large tenant spaces, facilities, higher education and complex laboratories to supertall mixed-use developments. Mr. Ginalski is a problem solver who identifies building-related technical issues and recommends courses of correction during the design phase for new and retrofit projects. As lead mechanical engineer, he has coordinated with clients, contractors and architects across a variety of projects.

PROFESSIONAL POSTS:

Mechanical Engineer, GLOBETROTTERS, Chicago, IL, April 9, 2018 - Present.

Vice President, Mechanical Engineer, Environmental Systems Design (ESD) – formerly PositivEnergy Practice (PEP), Chicago, IL, 2013 – 2018.

Senior Licensed Mechanical Engineer, Skidmore Owings & Merrill LLP (SOM), Chicago, IL, 2013 – 2015.

Project Lead Engineer, M+W Group, Chicago, IL, 2007 – 2013.

Project Manager, McGuire Engineers, Chicago, IL, 1998 – 2007.

PROJECT EXPERIENCE:

University of Chicago Medicine: Wyler Building, Chicago IL. Project Manager and Lead Engineer for 182,000 sf Wyler Building. Project included renovation of 52,000 sf of original (1964) patient rooms to office space while maintaining occupancy on the remaining 130,000 sf of the building. The project also entailed investigation and recommendation of the best approach to extend building use, reduce building maintenance and increase efficiency.

University of Chicago: HVAC System Design, Chicago IL. Project Manager for HVAC systems design project to maintain tight temperature and humidity for a rare books/stored artifacts room.

Chicago Housing Authority: Generator Study. Project Manager. Responsibilities include: Setting up templates in Excel and Word to streamline the work effort by the electrical engineers; Standardized the reports to give simplified, easy to understand information for all 47 buildings; QA/QC the report prior to submitting them to the client; Interacted with the client and answered any technical questions.

Chicago Department of Aviation: Taxiway Bravo Bridge Study. PM/Senior Engineer. Responsibilities include: Creating different options to provide heat to the Bravo Bridge; Presented the options with Pros/Cons, order of magnitude of cost and construction/design time to the client; Created a performance specification for a contractor to design/build a temporary heating system to be used during the 2018/2019 heating season. The temporary heating system was a self-contained system which included a diesel generator, diesel boiler, pumps, heat exchanger, controls, etc. The specification included minimum equipment capacities, location of temporary equipment, where and how to connect to the bridge, etc.

University of Pennsylvania: Krishna P. Singh Center for Nanotechnology Building, Philadelphia, PA. Mechanical Engineer of Record for the 78,000 sf building, which earned the LEED Gold Certification and the "Best Projects of 2014" recognition. The project included designing hydronic systems, radiant heating/cooling floor, runaround heat recovery systems

EDUCATION:

B.S. in Mechanical Engineering – Pennsylvania State University, 1996

REGISTRATIONS AND AFFILIATIONS:

Professional Engineer, State of Illinois, No. 062-054921, 2001

Licensed PE in Massachusetts, Pennsylvania, and Tennessee

Leadership in Energy and Environmental Design (LEED) Accredited Professional

Registered Energy Professional (REP), City of Chicago

TENURE WITH GEC:

<1 year

TENURE WITH OTHER FIRMS:

20 years

for laboratories and cleanroom, 6,500 sf characterization suites, 9,000 sf general laboratories, multi-level Galleria atrium and office/conference rooms.

GlobalFoundries: Technical Development Center, Malta, NY. Lead Mechanical Engineer for laboratories and support areas of this project which included 70,000 sf of SEM/TEM, wet and dry labs, HPM storage and mechanical rooms. Laboratory design included dedicated outdoor air system with evaporative humidification and chilled beams.

Sensitive Instrument Facility: Ames Laboratory, Ames, IA. Lead Mechanical Engineer for 13,000 sf of facility. The project included dry and wet labs and the use of a perchloric acid fume hood.

Great Lakes Naval Training Center (GLNTC): 180,000 sf Mixed-Use Space. The work included classrooms, offices, military barracks and dormitories, and the project obtained LEED Silver certification the USGBC.

Burj 2020, Dubai, UAE. Lead Mechanical Engineer for a 531.25 m, 111 story mixed-use supertall tower that is poised to be the tallest commercial building in the world. Work included providing engineering design services for the seven Burj 2020 District Buildings. Project also included coordinating with architects to determine shaft and mechanical room size for the five multi-level, below-grade mechanical floors that serve all 111 floors of the tower, and verification of all international and UAE codes/standards for the naturally ventilated parking structure that is housed in the five-story tower podium.

450 Meter Mixed-Use Tower, Guiyang, China. Lead Engineer for tower in China. The project included designing mechanical systems for retail, hotel, ballroom, office and observation deck space. Work also included coordinating MEP/FP engineering team with architectural and with Local Design Institute (LDI).

200 Meter Mixed-Use Tower, Xi'an, China. Lead Mechanical Engineer for this project which included schematic design of mechanical systems for retail, office and observation deck space, and coordinating the space requirements with architecture and with LDI.

Mir M. Zakaria, LEED AP BD+C, EI Mechanical Engineering



Mr. Zakaria has over 18 years of experience as Senior Mechanical Engineer. He led the MEP/FP teams in designing multi-disciplinary sustainable MEP systems. His experience includes development and coordination of the design of mechanical building systems, preparation of calculations for mechanical equipment sizing and selection, client interface, energy analysis, specs writing, cad drafting & mechanical system design. He conducts site visits, review shop drawings, submittals and answer contractors and responsible for the delivery of projects on time and per client's requirement. Mr. Zakaria is proficient in Energy modeling and LEED documentation. He performs Quality Control of the project.

PROFESSIONAL POSTS:

Senior Mechanical Engineer, GLOBETROTTERS, Chicago, IL, Dec. 2017 – Present.

Senior Engineer, Middough Inc., Oak Brook, IL, 2014 – 2017.

Senior Mechanical Engineer (III), Primera Engineers Ltd., Chicago, IL, 2010 – 2014.

Senior Mechanical Engineer, WMA Consulting Engineers Ltd., Chicago, IL, 2010.

Senior Mechanical Engineer, dbHMS/CCJM, Chicago, IL, 2000 – 2009.

Teaching Assistant, Illinois Institute of Technology, Chicago, IL, 2000.

Research Assistant, Illinois Institute of Technology Research Institute, Chicago, IL, 1999.

Lab Supervisor, Computing and Network services, IIT, Chicago, IL, 1999 – 2000.

Estimation Engineer, Sensair Services LLC, Dubai, United Arab Emirates, 1998.

Design and Maintenance Engineer, Mitsumaru Bangladesh Ltd., 1997 – 1998.

Operations Executive, Design and Maintenance Engineer, Rangs Industries Ltd., Dhaka, Bangladesh, 1996 – 1997.

PROJECT EXPERIENCE:

Columbia College: Media Production Center, Chicago, IL. Senior Project Manager for 40,000 SF LEED Gold Media Production Center that combines large film and animation studios with classrooms and workshops on urban campus. As first new building for Columbia College, it provides facilities to fortify school's competitive edge in film-making and animation, as well as highlight College's design-forward identity. Computational Fluid Dynamic Studies was adopted to reduce size of mechanical systems for two sound stages by 50% resulting in first cost savings of about \$250,000.

Soccer Academy Elementary School, UNO, Chicago, IL. Mechanical Engineer for new 54,000 SF elementary school and soccer academy with full service kitchen, multipurpose fitness facility, drama studio, classrooms, administrative offices, and outdoor soccer fields. The school was designed as architecturally significant building in city's south side neighborhoods. Achieved LEED Silver rating while maintaining aggressive schedule & cost-conscious budget.

City of Chicago Department of Water Management: Eugene Sawyer Water Purification Plant Boiler Room Renovations, Chicago IL. Lead Mechanical Engineer and key point of contact with Owner. Performed drawing and field reviews to compile comprehensive understanding of heat generation & building heating at SWPP, then to use that understanding to develop alternative heat generation and usage scenarios for review with CDWM to arrive an optimal plan for development of campus heating system. Project Value: \$4 million.

Chicago Public Schools: Bateman, Haugan and Green Elementary Schools, Chicago, IL. Project Manager and key point of contact with Owner. Responsible for client management, project management, proposal development, engineering design, and leading internal

EDUCATION:

Master of Mechanical & Aerospace Engineering, Illinois Institute of Technology, Chicago, 05/2001

B.S., Mechanical Engineering, Bangladesh University of Engineering and Technology, Dhaka, Bangladesh, 02/1996

REGISTRATIONS AND AFFILIATIONS:

Engineer-In-Training License (FE/E.I.), Illinois.

LEED AP BD+C, 2009

ASHRAE (American Society of Heating, Refrigeration & Air-Conditioning Engineering)

TENURE WITH GEC:

<1 year

TENURE WITH OTHER FIRMS:

21 years

engineering and design teams. Lead Mechanical Engineer to develop Order of Magnitude (OM) scope development for CPS and detail HVAC design.

UNO Charter School, Chicago, IL. (LEED Gold). Senior Project Manager for design of new 180,000 SF, LEED Gold Certified charter school in an old industrial building for UNO Charter Schools. The building will house two elementary schools and a high school. The project utilizes efficient lighting and controls, solar hot water heating and efficient HVAC systems. Several systems were evaluated as part of the design process with a life cycle cost analysis.

UNO Natchez Elementary School, Chicago, IL Lead Mechanical Engineer for design of new 55,000 SF, 3-story elementary school building that includes conference rooms, office spaces, gymnasium, classrooms, and a kitchen/dining facility.

UNO HS, Chicago, IL. Lead Mechanical Engineer for Quality Control overseeing a new 78,000 SF, 3-story high school building that includes conference rooms, office spaces, gymnasium, classrooms, and a kitchen/dining facility.

Cook County Medical Center, Institute of Forensic Medicine Building (IFM) Chicago, IL. Lead Mechanical Engineer design to replace (2) existing low pressure steam absorption chillers with (2) new 240-ton electric water cooled chillers and modify existing cooling tower.

North Park University: Science and Community Center, Chicago, IL. Lead Mechanical Engineer for Quality Control for new 100,000 SF, 3-story science building with laboratory areas & support spaces, conference rooms, office spaces, community spaces, student support spaces, classrooms, and kitchen/dining facility. Laboratory functions include physics, biology (with vivarium), and chemistry (organic and molecular engineering). Designed HVAC systems, laboratory hood design systems, established infrastructure requirements and design capacity for lab equipment, kitchen and toilet exhaust systems, make up air systems, performed building load calculations & equipment selection, and energy modeling/LEED documentation.

Hyatt Regency McCormick Place-Expansion and Renovation, Chicago, IL. Lead Mechanical Engineer for design of HVAC for Hyatt Regency McCormick Place renovation and expansion project consists of a new 240,000 SF, 12-level structure built on top of an existing parking garage that features over 460 hotel rooms and new office space. Lower levels of the existing structure were renovated to include business center, meeting spaces, board rooms, and health club. building is located next to Chicago's McCormick Place Convention Center. Design of Hydronic distribution to new hotel tower from existing Trigen plant.

Green Exchange - Sustainable Business Incubator, Chicago, IL. (LEED Gold). Senior Project Manager. Green Exchange is the country's first commercial real estate development designed for the advancement of green business. This 220,000 SF development will be a LEED Gold building housing "Green" tenants and a historical landmark building. Systems are comprised of solar thermal for heating domestic hot water, high efficiency heating and chilled water plant and energy recovery systems to optimize energy and resource use. The project has already been featured in Newsweek, New York Times, Chicago Tribune and several other publications and television channels.

Fragrance Innovation Laboratory. Discipline Lead responsible for designing HVAC, plumbing and fire protection systems to construct a new two-story addition to existing building for new Fragrance Innovation Laboratory. The project consists of a new 12,000 SF, 2-story lab building that will include lab and lab support spaces, conference rooms, office spaces, library space. The building will have separate ventilation systems established based on space usage.

AUX SABLE: Data Center Infrastructure Upgrade, Morris, IL. Discipline Lead for designing HVAC system for central data center HVAC renovation. A new HVAC unit was installed and duct modifications with new linear slot diffusers provided to maintain temperature and relative humidity into the space.

Subrata Mukherjee, PE

Electrical Engineering



Mr. Mukherjee has 30+ years of experience in power distribution, electrical equipment, specifications, single line diagrams and project management for aviation projects, IDOT, ISTHA, CDOT, CTA projects, and construction management of federal projects. He sized switchboards, panel boards, transformers and UPS for various projects; reviewed and commented on contractor product submittal for conformance to code and project specification. Mr. Mukherjee prepared plans and proposals for work related to engineering services for design and construction services for upgrading the medium voltage distribution and low voltage distribution. He prepared single line concept diagrams for emergency distribution service for loads and provided automatic transfer switches. He is responsible for the electrical plan and special provision preparation to support lighting design, security systems, high speed door operators, fire alarm systems and security camera system design.

Mr. Mukherjee is familiar with NEC, IEEE, DOA and City of Chicago Electrical Code, IDOT, ISTHA and CDOT Lighting and Traffic Signal Design requirements.

PROFESSIONAL POSTS:

Electrical Engineer, GLOBETROTTERS, Chicago, IL, May 2016 – Present.
Electrical Engineer, AAA Engineering, 2015 – 2016.
Electrical Engineer, Delta Engineering Group, 2013 – 2015.
Electrical Engineer, Pace Systems Inc.-CTA-Station Technology Modernization Program, 2012 – 2013.
Electrical Engineer, Gandhi and Associates, Feb. – May 2012.
Electrical Engineer, Patrick Engineering, Inc., 2011.
Electrical Engineer, Primera, Inc., 2006 – 2011.
Electrical Engineer, KAM Engineering, Inc., 2003 – 2006.
Electrical Engineering, GLOBETROTTERS, Chicago, IL, 1990 – 2002
Electrical Engineer, MDS Switchgear Ltd. India, 1987 – 1989.
Electrical Engineer, General Electric Co, U.K., 1981 – 1987.

PROJECT EXPERIENCE:

City of Chicago Department of Buildings: Municipal Code Compliance Building Permit Plan Review, Chicago, IL. Performed electrical plan review for projects that included several residential buildings.

Chicago Public Schools: Chiller Replacement at Chicago Agricultural High School, Chicago, IL. Electrical Engineer for preparation of electrical demolition plan for removal of existing chiller, and prepared electrical plan and specifications for new chiller. Project Value: \$350,000.

Chicago Public Schools: Chiller Replacement at North Grand High School, Chicago, IL. Electrical Engineer for electrical plans and specifications for new chiller unit. Project Value: \$350,000.

Chicago Public Schools: Rehabilitation Project Upgrade Electrical System for Wendell E. Green Elementary School Chicago, IL. Electrical Engineer did preparation of electrical plans and specifications for all work related to replacing Main switchboard, branch panelboards Emergency panelboards, Transfer Switches and Distribution panelboards. Did plans showing replacement of all lighting fixtures and upgrading to LED for entire building.

EDUCATION:

B.S., Electrical Engineering,
Indian Institute of
Technology, India, 1981

REGISTRATIONS AND AFFILIATIONS:

Professional Engineer, State
of Illinois, No. 062-052419,
1998

ACEC-Illinois Tollway
Standards and Manual
Revisions.

Member, Institute of
Electrical and Electronics
Engineers (IEEE)

Member, Illuminating
Engineering Society of North
America (IESNA)

TENURE WITH GEC:
12 years

TENURE WITH OTHER
FIRMS:
21 years

Also prepared plans for a new Public Announcement (PA) System, involving new speakers call buttons and new headend equipment per project specifications.

City of Chicago Department of Aviation: Building 21 Renovations, Chicago, IL. Electrical Engineer who updated single line diagram and provided feeder schedule per code. Prepared security system card readers –elevation and plan details, and security camera block diagram for CDA and CPD applications. Updated fire alarm system block diagram and provided single line diagram for voice and data communication plan. Project Value: \$4.2 million.

City of Chicago Department of Aviation: O'Hare H&R Building Switchgear Replacement and Upgrade Project, Chicago, IL. Performed field survey and gathering of all switchgear and unit substation breaker ratings feeder cable sizes and numbers-relay settings breaker catalog numbers trip settings and catalog numbers. Obtained all feeder lengths from power sources to all pump motors 15 HP and greater. Data collected were input to SKM to obtain Electrical overall system performance.

Chicago Transit Authority: Washington/Wabash Loop Elevated Station, Chicago, IL. Responsible for submittal reviews of all electrical product data and shop drawings, including but not limited to heat trace plan layouts, heat trace and canopy ice melt control wiring diagrams, dry type transformers, panelboards, passenger service station single line diagrams.

Chicago Transit Authority: Addison Blue Line Station, Chicago, IL. Developed heat trace electrical panel schedule working with mechanical plans to calculate electrical load values for CTA Blue line Addison Station. Developed conduit cross section details for new overhead conduit racks in Addison Station's new electrical room. Worked involved intercepting existing power and communication cables and routing them to final load locations to bypass new elevator construction. Prepared power lighting circuiting plans and completed single line diagrams and panel schedules as part of the design plans for the project.

Chicago Transit Authority: Station Communication Technology Modernization Program, Chicago, IL. Plan and specification preparation related to upgrade of surveillance closed circuit television cameras (fixed and pan/tilt/zoom), digital video encoders/decoders, and fiber optic cabling between CISCO Switches to provide telecommunication interconnectivity.

Amtrak: Union Station Transit Center, Chicago, IL. Responsible for submittal reviews of all electrical product data and shop drawings.

Northwestern University, Evanston, IL. Prepared plans for work related to engineering services for design and construction services for upgrading the medium voltage distribution and low voltage distribution. Also prepared single line concept diagrams for emergency distribution service for University loads providing automatic transfer switches in each building.

SCR Medical Call Center. As part of Design Team, assisted in the review and revision of single line diagram to ensure protective devices were sized per code, and all load devices were called out/ cable legends provided where required. Performed field inspections, reviewed submittals for lighting fixtures related to the project, reviewed Generator and UPS submittals, responded to Electrical RFI'S as generated by contractor, and evaluated advantages of LED Lighting over metal halide down lights for project.

Chicago Housing Authority: Judge Slater Annex, Chicago, IL. Electrical Engineer who prepared meeting minutes related to generator pad installation and discussion regarding installation of elevator speakers in elevator cabs and termination of recall system cabling at the existing elevator control panel. Witnessed and reported on fire pump controller pretest.

Housing Authority of Cook County: Vera Yates Homes Renovation, Ford Heights, IL. Electrical Engineer for proposed electrical plan for Unit Types A, B, C, D, and E.

Victor Tkachenko, PE Electrical Engineering



Mr. Tkachenko has over 35 years of experience in electrical engineering projects including numerous projects for municipal clients. He is experienced in the design and direction of electrical engineering projects from planning through construction phases.

As the Project Manager at the Metropolitan Water Reclamation District of Greater Chicago, he reviewed and controlled the work of the electrical section's electrical engineers, specifically responsible for the timely preparation and updating of plans, specifications, schedules, budgets and other management data pertaining to electrical power distribution applications, control and lighting installations, electric generating plants and substations, and computer control and data acquisition systems. He has been responsible for maintaining, repairing, and upgrading the electrical distribution and control systems at the world's largest sewage treatment facility.

PROFESSIONAL POSTS:

Senior Electrical Engineer, GLOBETROTTERS, Chicago, IL, 2000 – 2005 and 2010 – Present.

Electrical Engineer, Vistara Construction Services, Chicago, IL, 2005 – 2009.

Metropolitan Water Reclamation District of Greater Chicago, Chicago, IL, 1974 – 2000:

Principal Electrical Engineer, Engineering Department, 1988 – 2000.

Senior Electrical Engineer, Engineering Department, 1986 – 1988.

Associate Electrical Engineer, Maintenance & Operations Department, 1974 – 1986.

Electrical Circuit Inspection, Manufacturing Department, General Telephone and Electronics, 1967 – 1974.

Engineering Draftsman, C.E. Niehoff & Company, 1966 – 1967.

PROJECT EXPERIENCE:

Chicago Public Schools (CPS):

- **Facility Assessments Cost Tracking Program**, Chicago, IL. Performed a condition assessment of over 300 Chicago Public Schools using a state-of-the-art PC tablet for data input. The database was created to track the conditions of CPS facilities and their respective building systems. The building systems were then quantified by square footage, linear feet or actual number.
- **Program Management/ Owners Representative for A/E Services for all CPS Renovation Program**, Chicago, IL. Electrical for system-wide managing architect and engineer services required to execute Capital Renovation and Improvement Plan for 600+ school system. CPS budgets roughly \$200 million per year for renovation projects at about 100 of its schools. Performed assessments of the condition of schools by categorizing major components and systems with respect to their implementation priority at the facility, also identified useful life and budget estimates. Project Value: \$1 billion.
- **CPS LAN Infrastructure Program**, Chicago, IL. Electrical Engineer for power and lighting for LAN/ WAN wiring for 640 schools. Designed LAN and the associated "clean" power. The tasks included upkeep of engineering specifications; and providing input to the program manager, bid packages, and contractors during construction. The program utilized E-Rate funding and the infrastructure was designed to accommodate future Global Building Monitoring and Control Systems for CPS. Project Value: \$250 million.

EDUCATION:

B.S. in Electrical Engineering,
University of Illinois at Chicago

REGISTRATIONS AND AFFILIATIONS:

Professional Engineer, State of Illinois, Number 062-042645, 1985

TENURE WITH GEC:

8 years

TENURE WITH OTHER FIRMS:

30+ years

Metropolitan Water Reclamation District of Greater Chicago (MWRDGC):

As Project Manager/Project Engineer, reviewed and controlled the work of the electrical section's electrical engineers, specifically responsible for the timely preparation and updating of plans, specifications, schedules, budgets and other management data pertaining to electrical power distribution applications, control and lighting installations, electric generating plants and substations, and computer control and data acquisition systems.

He prepared plans and specifications required to define the scope and indicate details of the construction for electrical engineering and related aspects of various capital improvement projects.

- **Stickney, Calumet and Northside Sewage Treatment Facilities.** Maintenance and Operations. Responsible for the maintenance and operations of the electrical distribution and control systems at the Stickney, Calumet and Northside Sewage Treatment Facilities.
- **Stickney, Calumet and Northside Sewage Treatment Facilities.** Plant Capital Improvement and design upgrades. Responsible for the improvement and design upgrades at Stickney, Calumet and Northside Sewage Treatment Facilities.
- **Lockport Power House.** Maintenance and Operations.
- **Lockport Power House.** Designed an automation system to monitor control the Lockport powerhouse generators and the electrical distribution system from a remote location. Also upgraded transformers and the medium-voltage and low-voltage switchgear.

Cook County: Assessment and Replacement of Emergency Generators. Electrical Engineer for assessment of over 40 Uninterruptable Power Supplies (UPS) at various County facilities as well as over 50 emergency generators, and replacement of eight poorest condition generators. Project Value: \$8 million. for the generator upgrade.

City of Chicago Department of Aviation (CDA): East Airfield Lighting Control Vault at O'Hare International Airport, Chicago, IL. Electrical Engineer for the design of a new vault to support the lighting loads, controls, and electrical equipment of Runways 9C/27C, Runway 9R/27L Extension, and the associated taxiways in the north airfield of O'Hare Airport. The project included two generators each sized over 1000kW, 4kV switchgears, and multiple 480V unit substations. Project Value: \$15 million.

Lafarge Cement Company/ Rolf Jensen & Associates, Inc.: Alterations at Five Heavy Industrial Plants. Design for remote control of medium voltage circuit breakers and installation of a new medium voltage circuit breaker for four Midwest cement plants. Project Value: \$10 million.

Leonardo T. Nollo, Jr. *Electrical Engineering*



Mr. Nollo, Jr. has over 30 years of experience in the engineering design of commercial, industrial, institutional, and residential building electrical systems, and the design and construction of transmission and distribution lines. His responsibilities include the development of single line and riser diagrams, lighting systems, power distribution, fire alarm systems, and communication and security systems. Mr. Nollo's project assignments include calculations, specifications, and preparation of plans using AutoCad and MicroStation, and cost estimates using CostWorks and Excel. He performs field investigations as required to develop design or investigate problems, and coordinates with architects and mechanical, plumbing and structural engineering team to incorporate the electrical design. Mr. Nollo is responsible for the City of Chicago Department of Construction and Permit (DCAP) permit application review for numerous buildings per Chicago Electrical Code.

PROFESSIONAL POSTS:

Electrical Engineer, GLOBETROTTERS, Chicago, IL, 2007 – Present.
Senior Electrical Engineer, EME LLC, Chicago, IL, 2005 – 2007.
Project Engineer, Epstein and Sons International, Chicago, IL, 2000 – 2005.
Electrical Engineer, GKC, Chicago, IL, 1997 – 2000.
Senior Engineer, Knights Architects Engineers Planners, Inc., Chicago, IL, 1995 – 1997.
Electrical Project Engineer, Consulting Consortium, Chicago, IL, 1989 – 1995.
Electrical Engineer, Environmental Engineering Corp., Chicago, IL, 1986 – 1989.
Electrical Designer, Skidmore Owings Merrill, Chicago, IL, 1984 – 1986.
Chief Engineer, Cagayan Electric Cooperative, Philippines, 1976 – 1982.

PROJECT EXPERIENCE:

City of Chicago Department of Buildings: Department of Construction and Permit (DCAP) Review, Chicago, IL. Provides cost estimate, proposal preparation and permit review for several assigned buildings in compliance with Chicago Building Code and Fire Prevention Bureau plan reviews for City's permit review program. (2007-Present)

Public Building Commission/Chicago Public Schools: Brighton Park II Elementary School, Chicago, IL. Electrical Engineer for design of new LEED Gold Certified, 900-student school with 24 academic classrooms; 6 Pre-K and kindergarten classrooms; and science, computer, art, and music classrooms. Provided power distribution, lighting systems and controls, 150 KW emergency generator and associated distribution system, and the following systems: rescue assistance, fire alarm, intercom, intrusion detection, clock, public address, and assisted listening device. Project Value: \$23 million.

Public Building Commission/Chicago Public Schools: Benito Juarez High School Renovation and New Cultural Auditorium, Chicago, IL. Electrical Engineer for theater lighting and stage lighting designs for new 63,000 sq. ft. cultural auditorium. Project included a major electrical systems upgrade to existing building and design of a new public address system. Also provided a complete fire alarm system that included an FA control panel, manual stations, duct smoke detectors, heat detectors, magnetic door holders, remote annunciator, sprinkler system devices, and trouble stations. Project Value: \$28.35 million.

The Prime Group: Metropolis Development, 39th and State Streets, Chicago, IL. Electrical Engineer for Building 1 and site electrical plans for a mixed-use, 10-acre development that was pursuing LEED Silver Certification. The development included a grocery store, pharmacy, bank, and other retail space. Project Value: \$23.6 million.

EDUCATION:

B.S. in Electrical Engineering,
Feati University, Manila,
Philippines, 1975

Continuing Education: Digital
Electronics, DeVry, Chicago, IL,
1984

Design of Electrical Systems for
Building, Consulting Electrical
Engineers, Education Center,
Chicago, IL, 1985

REGISTRATIONS AND AFFILIATIONS:

Registered Electrical Engineer,
Philippines, 1975

TENURE WITH GEC:
11 years

TENURE WITH OTHER FIRMS:
31 years



City Colleges of Chicago: Truman College Fire Alarm System Replacement, Chicago, IL. Electrical Engineer for provision of code compliant system. Project Value: \$1 million.

City Colleges of Chicago: Richard Daley and Olive Harvey College Parking License Plate Recognition Cameras, Chicago, IL. Electrical Engineer for security cameras.

Chicago Public Schools: Cooling Tower Upgrade for Libby Elementary School, Chicago, IL. Electrical Engineer.

Chicago Public Schools: HVAC Design at Jamieson Elementary School, Chicago, IL. Electrical Engineer for heating system replacement, new boilers, unit ventilators, fan coil units, and upgrade of emergency lighting system including addition of an emergency generator. Project Value: \$1.9 million.

Chicago Public Schools: Boiler Replacements at James Madison Elementary School, Chicago, IL. Electrical Engineer for heating system replacement, new boilers, unit ventilators, fan coil units, and replacement of some exit lights. Project Value: \$1.5 million.

Chicago Public Schools: Zenos Colman Elementary School, Chicago, IL. Electrical Engineer for design of building's interior and exterior CCTV system surveillance cameras.

Chicago Public Schools: Fire Alarm System Replacements, Chicago, IL. Electrical Engineer for fire alarm systems at Bret Harte Elementary, Charles Holden Elementary, and Davis Elementary.

Chicago Public Schools: Renovations at Hayt, Woodson, and Hamilton Elementary Schools, Chicago, IL. Electrical Engineer for electrical systems upgrades.

City of Chicago Department of Aviation: East Airfield Lighting Control Vault at O'Hare International Airport, Chicago, IL. Electrical Engineer for design of new vault to support lighting loads, controls, and electrical equipment of Runways 9C/27C, Runway 9R/27L Extension, and taxiways in north airfield. Project Value: \$20 million.

Metra: McCormick Place Station Renovation, Chicago, IL. Electrical for platform and station level renovations, included preparation of plan drawings. Coordinate electrical design requirement with the lighting consultant for the stairs pathway lighting, station level and platform lighting and heaters.

Village of Richton Park: Richton Park Community Center, Richton Park, IL. Lead Electrical Engineer for new 14,000 sq. ft. multi-purpose Community Center for which Globetrotters providing planning, conceptual design, and AOR services in collaboration with community stakeholders. Project Value: \$3.2 million.

College of Lake County: New Technology Building, Grayslake, IL. Electrical Engineer for MEP/FP services for 88,000 sq. ft. facility that included 40 classrooms and computer labs, 18 discipline-specific laboratories, and 27 administrative offices, and the college's Business, Engineering, Math, and Physical Sciences Divisions. Project Value: \$36.4 million.

Cook County: Countywide Emergency Power Systems Upgrades, Cook County, IL. Electrical Designer. Performed design services and finalized layouts. Globetrotters conducted a comprehensive evaluation of over 50 County Emergency Generators and 40 UPS (Uninterruptible Power Supplies) units including types of electrical loads served and generator run time based upon on site fuel tank capacity. Globetrotters also replaced 7 generators at various locations; work included demolition of old units and complete drawings and specifications for replacement systems. Project Value: \$8 million.

Jose Viveros
Electrical Engineering



Mr. Viveros has over 30 years of experience in electrical drafting, design and engineering. He has worked on a wide variety of federal, state, and local projects that include maintenance facilities, schools, public housing, industrial, retail, museum, culture centers, healthcare facilities and Easter-seals Childcare Development Learning centers.

Mr. Viveros is proficient in AutoCAD 2000-2009, AutoCAD MEP 2011, MicroStation, Microsoft Office, WordPerfect and BlueBeam.

PROFESSIONAL POSTS:

Electrical Designer, GLOBETROTTERS, Chicago, IL, Feb. 2010 – Present.

Lead Electrical Engineer, KJWW, Engineering Consultants, f/k/a EME, LLC, Consultant Engineers, Chicago, IL, 2003 – 2009.

Field Forman, LND Electric, Chicago, IL, 2001 – 2002.

Associate, Environmental Systems Design, Chicago, IL, 1978 – 2001.

PROJECT EXPERIENCE:

Chicago Public Schools: Electrical Renovations, Chicago, IL. Lead Electrical Engineer for electrical renovations at Austin High School, Noble Street- Silver, George Washington High School, and Western Middle School.

Chicago Public Schools: MEP Renovations at Northwest Middle School, Chicago, IL. Lead Electrical Engineer. Project Value: \$2.2 million.

Moody Bible Institute: Fitzwater Hall Graduate Studies 1st Floor Renovation, Chicago, IL. Lead Electrical Engineer. Project Value: \$1 million.

Chicago Housing Authority: Prime Design Consulting Services, Chicago, IL. Electrical Engineer for ongoing assessment and renovation of electrical, fire alarm, cable TV, and security systems for CHA properties.

Chicago Housing Authority: Comprehensive Generator Evaluations, Chicago, IL. Electrical Designer for generator assessments for 40 high-rise buildings.

Chicago Housing Authority: Elevator Assessment and Modernization Program, Chicago, IL. Electrical Designer for assessment and design for elevators in 86 high-rise buildings.

Easter Seals: Metropolitan Chicago Surveillance Video Camera Installation, Chicago, IL. Electrical Designer CA manager for the installation of surveillance cameras and equipment for 21 scattered locations.

Cook County: Assessment and Replacement of Emergency Generators, Cook County, IL. Electrical Engineer for project that includes assessment of over 40 Uninterruptable Power Supplies (UPS) at various County facilities as well as over 50 emergency generators, and replacement of eight poorest condition generators. Provided assessment and generator replacement at Provident Hospital. Project Value: \$8 million.

Cook County Dept. of Corrections: Security Post Upgrades at Cook County Jail, Chicago, IL. Electrical Engineer for subconsultant MEP/FP, civil, and structural engineering services for upgrades to three security posts (5, 7 and 9). Each post is a stand-alone structure

EDUCATION:

Electrical Association School,
James Bowen High School

TENURE WITH GEC:

8 years

TENURE WITH OTHER FIRMS:

25+ years



with its own HVAC, security, storm water retention/detention system, and parking lot and access control system. Project Value: \$11 million.

Village of Oak Brook: Pump Station Upgrades, Oak Brook, IL. Lead Electrical Engineer for the analysis and design of Village water distribution system changes. The goal was to flatten pressure on the supply in order to minimize spikes and reduce line breaks, and to set up the automation to minimize energy usage and optimize the system. Project Value: \$500,000.

U.S. General Services Administration: Metcalfe Federal Building VFD and Motor Replacement, Chicago, IL. Lead Electrical Engineer. Project Value: \$456,000.

Museum Science & Industry: YOU Exhibit, Chicago, IL. Lead Electrical Engineer. Project Value: \$800,000.

Rothschild, Barry & Myers: Office Suite Renovation, Chicago, IL. Lead Electrical Engineer. Project Value: \$250,000.

Gary Housing Authority: PHA-Wide Video Surveillance and Security Monitoring systems, Gary, IN. Electrical Designer CA manager for the installation of approximately 600 surveillance cameras and equipment for 9 Scatter Housing and High Rise building locations. Project Value: \$2 million.

Illinois Department of Transportation: Repair/Replace Salt Dome Roofs, Entry Ways, Lighting and Electrical Equipment, State, IL. Electrical Designer for the Electrical program Analysis Reports. Project Value: \$1.2 million.

PACE: Northwest Transportation Center, Lighting replacement project, Schaumburg, IL. Electrical Designer for the replacement of the exterior parking, pathway and waiting station lighting. Project Value: \$1.5 million.

Housing Authority of Cook County (HACC): Prime Design Consulting Services under Rental Assistance Demonstration (RAD) Program, Evanston, IL and Arlington Heights, IL. Electrical Engineer for ongoing assessment and renovation of electrical, fire alarm, cable TV, intercom and security systems for HACC properties.

Illinois State Toll Highway Authority: Maintenance Facilities Program Management Systemwide, Downers Grove, IL. Lead Electrical Engineer for electrical renovations to maintenance facilities. Program Value: \$110 million. (2010-2012)

Gary Housing Authority: Delaney West Homes Renovation, Gary, IN. Lead Electrical Engineer for renovation of 18 townhome buildings for 52 total units. Included bidding, permitting, construction documents and drawings. Project Value: \$3 million. (2011 - 2012)

Fletcher Jones Mercedes Dealership: 5-Story Showroom and Service Center Renovation, Chicago, IL. Lead Electrical Engineer. Project Value: \$2 million.

City of Chicago: Warren Park Senior Center, Chicago, IL. Lead Electrical Engineer. Project Value: \$1.1 million.

City of Chicago: Norwood Park Senior Center, Chicago, IL. Lead Electrical Engineer. Project Value: \$1.1 million.

Edward Hines Jr. VA Hospital: Building 200 HVAC Upgrades, Hines, IL. Lead Electrical Engineer. Project Value: \$10 million.

Chicago Lake Shore Medical Associates: Hematology Office Building Renovation, Chicago, IL. Lead Electrical Engineer. Project Value: \$1 million.

[Viveros, Page 2](#)

Mau Hua

Electrical Engineering



Mr. Hua has 19 years of electrical design experience in power distribution, lighting, low voltage/ communication cable design, fire alarm system, security, CCTV system design, and emergency power systems for church, rectories, education, healthcare, offices, libraries, hotels, restaurants, retail, fire protection district station, banks, park districts, capitol retirement village, furnishings, entertainment, multi-purpose residential facilities, and transportation related projects. His major clients include IDOT, CDOT, WisDOT, CDA, and CTA. He has knowledge of local, national and state standard practices and electrical codes.

Mr. Hua's computer skills: AutoCAD (R.14, 2000, 2002, 2004 to 2008, 2010, 2013, 2014, 2015, 2016). AutoLux, Micro Station V7, V8, V8i, Project wise, MS Windows-Excel.

PROFESSIONAL POSTS AND ACCOMPLISHMENTS:

Electrical Engineer, GLOBETROTTERS, Chicago, IL, June 2018 – Present

- **Chicago Housing Authority: Elevator Modernization Program Projects.** Electrical Engineer. Work include site survey, capacity analysis of existing electrical distribution system, selection of electrical equipment for branch circuit, construction documentation of electrical riser diagram including sizing of feeders and electrical equipment, Photometric analysis compliance of interior lighting. (Ongoing)

Applications Engineer Specialist-Consultant, Hubbell Lighting, Inc. (Security Lighting Systems), Rolling Meadows, IL, 2016 – 2018

- Created project specific lighting layouts, lighting renderings and submission to the customer.
- Provided photometric calculations and technical support.
- Assisted the sales team in technical communication with Architects, Engineers and Lighting Designers.
- Accurately evaluated and understand customer requirements to aid in the correct product selection.

Electrical Engineer-Consultant, Chicago Transit Authority, Chicago, IL, 2014 – 2016

- Low Voltage / Communication Cable Design.
- Experience in the design of low voltage structured cabling systems that includes electrical conduit infrastructure, grounding, Category-5e/6 communications cable, and optical cables and responsibilities to the following: data collection, field survey of facilities, as-built record search, facility IT needs assessment, base plan preparation, conceptual design, IT device placement planning, conduit path identification, cable requirements, conduit sizing, design drawing preparation, quantity take-offs, pre-construction site survey, construction oversight, design compliance and quality assurance.

Highway Lighting Engineer-Consultant, Wisconsin Department of Transportation, Waukesha, WI, 2013

- WisDOT Power and Lighting design projects
- Freeway, Bridge, High Mast and Under deck Lighting design
- Sign and Walkways lighting design.
- Performed design calculations for Lighting and Voltage Drop.

Electrical Engineer-Consultant, Elara Energy Services, Hillside, IL, 2012

- Provided Load letters to the Electric utilities.
- Performed design calculations for Lighting and Voltage Drop.
- Designed electrical systems of both new and existing buildings that include Campus, High-Rise, Office, Higher Education.

EDUCATION:

Bachelor of Science –
Electrical Engineering,
Purdue University, West
Lafayette Indiana, 1988

TENURE WITH GEC:

<1 year

TENURE WITH OTHER

FIRMS:

19 years

Electrical Engineer, Singh & Associates, Inc., Chicago, IL, 2010 - 2012

- Chicago Department of Transportation (CDOT) projects review
- Illinois Department of Transportation (IDOT) projects review
- IDOT Lighting design projects
- CDOT Power and lighting design
- Chicago Public School projects review.
- Roadway lighting design for O'Hare Modernization Program

Electrical Engineer, GHAFARI Associates, L.L.C., Chicago, IL, 2007 – 2009

- Performed design calculations.
- Designed electrical systems in AMEP 2008/3D (Imperial and Metric Units), Autodesk Navisworks Freedom and Managed 2009.1/3D and Revit/3D software in new construction and renovation for offices, tenants and warehouses.
- Design and engineering of switchboards and distribution of low and medium voltage systems.
- Design and engineering of power plan, single line diagram, electrical utilities plan, cable layout,
- CCTV system, lighting systems including interior, exterior building and roadway lighting design in AGI 32 software.

Electrical Engineer, EYP MCF, Inc, Chicago, IL, 2005 – 2007

- Responsible for designing in Single line/schematic/power/control/lighting/grounding drawing, equipment, sizing and selection.
- Ability to design and develop new concepts, improve existing designs and preparation of preliminary and detailed drawings.
- Voltage Drop calculation.
- Ability to manage MEP projects.
- Designed Site lighting in AGI Light and AGI 32 software.
- Provided an Energy Code.

Electrical Engineer-Consultant, RTM & Associates, Inc., Schaumburg, IL, 2004

- Provided Load letters to all Electric utilities.
- Responded and resolved code compliance issues.
- Designed electrical systems in AutoCAD for new construction.

Electrical Engineer-Consultant, System Design Group International, Gurnee, IL, 2003

- Knowledge of local and national standard practices and codes, including City of Chicago building/energy codes.
- Electrical design experienced in power distribution, lighting, communications, fire alarm system, security and emergency power systems for church, rectories, education, healthcare, offices, libraries, hotels, restaurants, retail, fire protection district station, banks, park districts, capitol retirement village, furnishings, entertainment, multi-purpose residential facilities.

Electrical Engineer, McDonald's Corporation, Oakbrook, IL, 1999 – 2002

- Typical projects include power, lighting, life safety and other low voltage systems such as Tele/data, security, communication systems.
- Electrical engineering designs for Site Specific projects.
- Reviewed the updated California Title 24 electrical information.
- Designed Site lightings from Site Photometric.
- Updated Interior and Exterior lighting control schematic diagram. (Certified under Title 24)
- Provided an electrical code comments.
- Attended construction site visits to ensure design accuracy.

Hynek Dvorak, PE, LEED AP BD+C, CxA

Plumbing Engineering



Mr. Dvorak has 20 years of comprehensive experience in mechanical design and construction including project discipline leadership of projects worth up to \$100 million. He has worked with a diverse local and national client base encompassing a wide array of industry sectors.

Mr. Dvorak's computer skills include AutoCAD 2010, and fluency in numerous HVAC vendor air and water side software including Trace 700 (completed 3 day training at Trane office in Willowbrook), CostWorks, R56 Site Installation practices (3 day training at Motorola headquarters in Schaumburg), Excel, and Microsoft Office.

PROFESSIONAL POSTS:

Project Manager, GLOBETROTTERS, Chicago, IL, April 2013 – Present.

Senior Mechanical Engineer, Associate, Teng and Associates, Chicago, IL, 2000 – 2012.

Senior Mechanical Engineer, HLM Design, Chicago, IL, 1999 – 2000.

Mechanical Engineer, Robert G. Burkhardt and Associates, Chicago, IL, 1993 – 1999.

PROJECT EXPERIENCE:

City of Chicago Department of Water Management: South Water Purification Plant – Dehumidification, Chicago, IL. Replacement of dehumidification systems.

City of Chicago Department of Water Management: Thomas Jefferson Pumping Station – Interior and Exterior improvements, Chicago, IL. Mechanical Engineer for upgrade of MEP systems for historic restoration and renovation project that also includes a building envelope rehabilitation, security improvements, and site work. Project Value: \$5 million.

City of Chicago Department of Water Management: Jardine Water Purification Plant – Security Enhancements, Chicago, IL. Mechanical Engineering Project Lead for various projects that upgraded security throughout the largest capacity water filtration plant in the world.

City of Chicago Department of Aviation: Renovation of Building 521 for relocation of Airport Police, Chicago, IL. Upgrade of MEP systems for new police departments including offices, special weapons and tactics, bomb, Chicago Alternative Policing Strategy, holding and interview rooms, training rooms, and storage. Project Value: \$4.2 million.

Cook County: Countywide Emergency Power Systems Upgrades, Cook County, IL. Engineering and design services for survey and replacement of emergency power systems countywide, which includes 51 existing generators. Project Value: \$8 million.

Chicago Housing Authority: Caroline Hedger Apartments, Chicago, IL. Project Mechanical Engineer for comprehensive renovation of senior high-rise that is CHA's second largest building. Work included a new mechanical system, and electrical, structural, and fire protection upgrades. GEC reconfigured program and office spaces on first floor; and provided ADA-compliant upgrades for entire building, new sprinkler system, elevator retrofit, central air conditioning system, and new security cameras and systems. GEC added a penthouse attic on top of main building with new chiller and designed new equipment building that houses generator, trash enclosure and new chiller on top. A green roof was installed on existing annex building. Project Value: \$34 million.

EDUCATION:

B.S. in Mechanical Engineering,
Iowa State University, Ames, IA,
1992

REGISTRATIONS AND AFFILIATIONS:

Professional Engineer, State of Illinois, Number 062-054465, 2001

LEED Accredited Professional BD+C, No. 10642145-AP-BD+C, Exp. 5/17/18

Certified Commissioning Agent (CxA)

Member, American Society of Heating, Refrigeration, and Air Conditioning Engineers

TENURE WITH GEC:
5 years

TENURE WITH OTHER FIRMS:
20 years

Metra: Passenger Information Systems, Chicago, IL. Renovation of five stations including Union Station, Ogilvie Station, and Millennium Station.

USACE: Strategic Assembly Complex, Ft. Bragg, NC. 50,000 sq. ft. new, LEED Silver, central loadout area control center to provide army with all-weather, mission critical facilities for rapid deployment of XVIII Airborne Corps.

USACE: Joint Special Operations Command Special Operations Force Communications Facility, Ft. Bragg, NC. 90,000 sq. ft. new, LEED Silver building.

USACE: Building 74 & 76 Renovation, Ft Benning, GA. Renovation of historic 126,000 sq. ft. buildings from barracks to administrative office for Non-Commissioned Officer's Academy.

Capital Development Board / Illinois Math and Science Academy: Correction of Water Infiltration for Academic Building, Aurora, IL. Analysis and design correction of mechanical systems causing water infiltration. Project Value: \$3.5 million.

Metropolitan Pier & Exposition Authority: Condition Assessment & Roofing, Waterproofing, and Structural Restoration Program for McCormick Place Convention Center Complex, Chicago, IL. Mechanical Engineer for assessment of all areas in campus buildings prone to water infiltration (waterproofing and structural restoration), analyzing roofing systems, photo documentation, preparing a detailed assessment report, and recommending a timeframe for phasing and implementing the repairs. Project Value: \$25 million.

Housing Authority of Cook County: Renovation of Jane R. Perlman and Victor L. Walchirk Apartments, Evanston, IL. Mechanical/Plumbing Engineer for design and construction administration for renovation of two properties totaling 175,000 sq. ft. Included new roofs & windows, brick façade replacement, kitchens, bathrooms, complete MEP renovations, elevator renovation, and UFAS 504 compliance. Project Value: \$18.5 million.

Housing Authority of Cook County: Renovation of Albert Goedke House and Armond King Apartments, Arlington Heights and Skokie, IL. Mechanical/Plumbing Engineer for pre-planning, assessment, programming, design, cost estimating, budgeting, scheduling, construction documents, & construction administration for renovation of 2 housing properties: Goedke House, 6-stories and 119 units; and King Apartments, 10 stories and 127 units. Renovated under Rental Assistance Demonstration (RAD) program, project included building exterior improvements; interior renovation; electrical, mechanical, and security system upgrades; and site improvements Upgrade of MEP systems for renovation project under Rental Assistance Demonstration (RAD) Program. Project Value: \$20 million.

Eastern Illinois University: Voice, Video and Data Infrastructure Systems, Charleston, IL.

Wheaton College: Dormitory Renovation, Wheaton, IL.

Gary Housing Authority: Senior Housing Modernization, Gary, IN. Assessment, engineering and design services for modernization of four senior high rise buildings

(2011-2012)

CIA: Directorate of Intelligence OHB 2E60 Renovation, Langley, VA.

CIA: ND1 Satellite Office 2G008 Renovation, VA.

British Petroleum: Northstar Operations Center, Prudhoe Bay, AK. Design of new 50 man five story blast and fire resistant module.

British Petroleum: Calumet A Building, Whiting, IN. Renovation of existing 90,000 sq. ft. warehouse and addition of new 54,000 sq. ft. office space and training center.

Bond Thomas, Jr. Plumbing Engineering



Mr. Thomas is a Mechanical Engineer with over 15 years of experience in design and management of construction and facilities engineering as well as several years in manufacturing engineering. He is skilled in manufacturing, assembly, testing, quality, and design of equipment and facilities. As an Engineering Manager, he is organized and meticulous in the planning and execution of assigned projects, with excellent interpersonal and team- building skills.

PROFESSIONAL POSTS:

Mechanical Engineer, GLOBETROTTERS, Chicago, IL, Nov. 6, 2017 – Present.
Senior Project Engineer, Enviro-Care Company, Gurnee, IL, 2017
Mechanical Engineer, Cooper and Associates, LLC, Lombard, IL, 2015 – 2016.
Mechanical Engineer, Naval Station Great Lakes/NAVFAC Midwest, Great Lakes, IL, 2008 – 2013.
Mechanical Engineer, Francis E. Warren Air Force Base, Cheyenne, WY, 2006 – 2008.
Process Engineer, PPG Industries, Warren, OH and Lafayette, IN, 2006.
Mechanical Engineer, Wright-Patterson Air Force Base, Dayton, OH, 2000 – 2005.
Process Engineer, Nissan North America, Smyrna Assembly, Smyrna, TN, 1998 – 2001.

PROJECT EXPERIENCE:

Chicago Public Schools: Mechanical, Electrical, and Plumbing Renovations at Green, Haugan, and Bateman Elementary Schools, Chicago, IL. Mechanical Engineer; developed the Order of Magnitude (OM) Scope of Work (SOW) to include Line Item Cost Estimates, performed site visits to plan out the scope of work for mechanical heating, ventilation, and air conditioning (HVAC) and plumbing renovations for Chicago Public Schools FY2018 Capital Improvement Program. Designed the Plumbing renovations at Green Elementary School, performed Quality Assurance check of the Mechanical Design of Haugan and Bateman Elementary schools. Wrote the plumbing specification for Green and Bateman. Responded to Request for Information about project design. Submitted OM SOWs to CPS for preparation of their FY 2018 budget. Project Value: \$12,545,000.

Chicago Public Schools: Chiller Replacement at North Grand High School, Chicago, IL. Mechanical Engineer for mechanical and plumbing plans and specifications for new chiller unit. Project Value: \$350,000.

Chicago Public Schools: Cost Proposal Preparation to perform OM SOW development for Mechanical and Plumbing Systems at Six CPS Elementary Schools, Chicago, IL. Mechanical Engineer; wrote the cost proposal to prepare the scope of work for mechanical heating, ventilation, and air conditioning and plumbing renovations for Chicago Public Schools FY2018 Capital Improvement Program. Tasks completed to submit the proposal included researching six facility assessment reports to estimate the amount of work Globetrotters would have to perform in the OM Scope development for each of the six schools. Submitted cost proposal to CPS to perform the work so CPS can prepare their FY 2018 budget.

Chicago Housing Authority: Elevator Modernization Program, Chicago, IL. Mechanical Engineer and Project Manager. Performed Mechanical Engineering Assessment, Design, and Construction Administration for 86 Senior Living Facilities across Chicago. Wrote Mechanical specifications and created design plans and elevation sheets for the mechanical portion of the

EDUCATION:

Master of Science in
Engineering Management,
University of Dayton,
Dayton, OH, 2005-2012

B.S. in Mechanical
Engineering,
Tennessee State University,
Nashville, TN, 1998 -2004

TENURE WITH GEC:

<1 year

TENURE WITH OTHER

FIRMS:

19 years

Elevator Modernization at various high-rise buildings across Chicago. Managed the project from "cradle to grave" to include scheduling site visits for the assessment, design, and construction documentation phases of the project. Provided client with updated project schedule using Microsoft Project scheduling software. Attended weekly status conference calls and monthly design and construction reviews. Responded to Request for Information about project design. Project Value: \$3,345,000.

Housing Authority of Cook County (HACC): Franklin Towers and Henrich House Mechanical, Electrical, and Plumbing Renovations, Franklin Park and Des Plaines, IL. Mechanical Engineer; designed and drafted plumbing renovations for Franklin Towers and Henrich House public housing.

Milwaukee Metropolitan Sewerage District: Asset Inventory and Condition Assessment at Jones Island and South Shore Water Reclamation Facilities, Milwaukee, WI. Performed Asset Inventory and brief condition assessment of mechanical wastewater sewerage equipment and machinery.

Senior Project Engineer, Enviro-Care Company, Gurnee, IL

- Managed Headworks Wastewater Treatment equipment projects from cradle to grave for various U.S. municipalities.
- Compiled Headworks Equipment submittal package and performed submittal review of all headworks equipment drawings.
- Verified performance of all headworks wastewater equipment for conformance with designed specifications.
- Participated in project handoff meetings/job review/submittal review meetings to coordinate project scope, schedule, and budget.

Mechanical Engineer, Naval Station Great Lakes/NAVFAC Midwest, Great Lakes, IL.

- Heating, Ventilation, and Air Conditioning (HVAC) Performance Verification and Testing (PVT)/ Commissioning (Cx) Liaison.
- Designed and Drafted Plumbing, HVAC, and Electrical systems (40 sheets) for several Navy facilities.
- Calculated independent government estimate (IGE) for projects designed, managed, and renovated.
- Managed many large scale HVAC, electrical, plumbing, roofing, and paving new construction and renovation projects (\$30M).
- Coordinated all design reviews for mechanical and electrical construction projects.
- Guided many projects from cradle to grave during pre-contract award and post contract award design and construction.
- Conducted Post Award Kickoff/Pre Construction Conferences with A-E Firms and Design-Build contractors.
- Effectively managed many large scale electrical and mechanical construction projects' scope, schedule, and budget.
- Managed construction project financials; approved contractor invoices for pay monthly, adhering to construction schedule.
- Wrote project specifications (60 pages of plumbing and HVAC specs).
- Provided mechanical and electrical technical consulting and advice to upper management and project peers.
- Collaborated with controls contractor to verify performance of HVAC controls sequences.
- Analyzed & interpreted data from NSGL Energy Savings Performance Contract (ESPC).

Thakor J. Bhagwakar, SE, PE, LEED AP

Structural Engineering



As Chief Structural Engineer, Mr. Bhagwakar provides oversight for the condition assessment, design, and construction of structural systems for facilities. His 35+ years of experience includes diverse building types including aviation, municipal, educational, commercial, industrial, housing, and recreational.

PROFESSIONAL POSTS:

Chief Structural Engineer, Project Manager, and Senior Structural Engineer, GLOBETROTTERS, Chicago, IL, 1982 – 1983 and 1987 – Present.

Lead Structural Engineer, Sargent & Lundy, Chicago, IL, 1965 – 1974 and 1983 – 1987.

Structural Engineer, Harry O. Hefter Associates, Inc., Chicago, IL, 1976 – 1982.

Senior Structural Engineer, Monsanto Enviro-Chem, Inc., 1974 – 1976.

PROJECT EXPERIENCE:

City of Chicago Department of Buildings: Municipal Code Compliance Building Permit Review, Chicago, IL. Performs structural engineering reviews for City's permit review program. Projects have included two retail commercial buildouts at Metra downtown stations. Also performs structural peer reviews that include reviewing and itemizing list of codes and standards used in structural design; reviewing and identifying structural design criteria, including loads and performance requirements; and reviewing and identifying basis for design criteria not specified directly in applicable codes and standards. GEC also verifies that site's existing conditions have been evaluated, and reviews and identifies structural and architectural drawings for the project. (2003-Present)

Public Building Commission/ Chicago Public Schools: Benito Juarez High School Renovation and New Cultural Auditorium, Chicago, IL. Structural Engineer for addition including 6-classroom bridge from school to new auditorium. Project Value: \$28.35 million.

Public Building Commission: Chicago Police Central Headquarters Facility, E. 35th Street, Chicago, IL. Lead Structural Engineer five-story 300,000 sq. ft. police headquarters with a 500-vehicle parking lot that was a fast-track project.

Public Building Commission: 10th District Police Station, Chicago, IL. Structural Engineer for 44,000 sq. ft. facility. Project Value: \$15 million.

City of Chicago Department of Housing and Economic Development: Brighton Park Task Order – 5000 S. Homan, Chicago, IL. Structural Engineer for assessment and recommendations to evaluate potential of retrofitting building and site as indoor athletic facility.

City of Chicago Department of General Services/ Fleet Management: Two Proposed Upgrades of Existing Fueling Sites, Ravenswood, and 39th & Ashland, Chicago, IL. Structural Engineer for assessment of sites for potential upgrade and expansion. Project Value \$1 million.

City of Chicago Department of Water Management (CDWM): Thomas Jefferson Pumping Station Improvements, Chicago, IL. Lead Structural Engineer for historic restoration and renovation that includes a building envelope rehabilitation involving roofing replacement, and masonry, façade, and structural repairs. Project includes HVAC and plumbing modifications, security improvements including new security cameras and exterior lighting, and site work to meet security and drainage requirements. Project Value: \$5 million.

CDWM: 68th Street Pumping Station Renovation, Chicago, IL. Structural Engineer for historic masonry restoration, roofing, security enhancements, and site upgrades for 30,000 sq.

EDUCATION:

M.S. in Civil Engineering,
University of Missouri, 1965

B.S. in Civil Engineering, Birla
Engineering College, India, 1963

REGISTRATIONS AND AFFILIATIONS:

Structural Engineer, State of
Illinois, Number 081-003282,
1969

Professional Engineer, State of
Illinois, Number 062-029998,
1971

Professional Engineer, State of
Indiana, #60020354, 1983

Professional Engineer, State of
Michigan, #6201035004, 1989

Professional Engineer, State of
Wisconsin, Number 25756-6,
1988

LEED Accredited Professional,
2008

Registered Energy Professional,
2014

TENURE WITH GEC:
30 years

TENURE WITH OTHER FIRMS:
20+ years

ft. facility. Included parapet restoration and new modified bitumen roofing and standing seam metal roof system. Project Value: \$6 million.

CDWM: South Water Purification Plant – Exterior Envelope Rehabilitation, Chicago, IL. Lead Structural Engineer for comprehensive building façade, roof, and structural condition survey and assessment for over 250,000 sq. ft. of exterior wall and over 500,000 sq. ft. of building and roofing area for 5-building water treatment facility. Projects were developed from final report to support 10-year capital program. Project Value: \$80 million.

CDWM: South Water Purification Plant – New Guardhouse and Facility Entrance Phase I Master Plan, Chicago, IL. Senior Structural Engineer for design of a main vehicular entrance consisting of a new 1,500 sq. ft. guardhouse facility. Project Value: \$6 million.

CDWM: Sewer Design Task Order Contract, Chicago, IL. Structural Engineer for dozens of sewer improvement projects that include underground connecting structures and water main supports.

City of Chicago: Administrative Hearing Facility Adaptive Reuse, Chicago, IL. Structural Engineer for adaptive reuse of manufacturing buildings to create a 75,000 sq. ft. facility with hearing rooms and offices, including a building envelope renovation consistent with the area's recent gentrification. Project Value: \$7.2 million.

City of Chicago Department of General Services/ Fleet Management: Maintenance Facilities, Ferdinand & Tripp and 52nd & Western, Chicago, IL. Structural Engineer for the design of vehicle storage facilities for heavy construction and snow removal equipment. Project Value: \$400,000.

City of Chicago Department of General Services/ Fleet Management: Three Mega Fuel Facilities, 104th & Vincennes, Sunnyside & Lamon, and 65th & State Street, Chicago, IL. Structural Engineer for state-of-the-art diesel, gasoline, and CNG (compressed natural gas) fueling sites that effectively manage, monitor, and control fueling, inventory, and billing operations for City and other municipal vehicles and equipment. Project Value: \$1.25 million.

Chicago Park District: North Avenue Beach House, Chicago, IL. Structural Engineer for new 25,000 sq. ft. recreational facility on Lake Michigan for lifeguard staff and general public. Extensive coordination efforts took place between general public, City of Chicago, and Chicago Park District for this multi-use replacement facility. Project Value: \$7 million.

Chicago Transit Authority: North Park Garage Master Plan Development, Chicago, IL. Structural Engineer for project that included assessment, planning, and design services to determine nature and extent of facility's redevelopment. The project included condition assessment, benchmarking studies, design preparation and evaluation of alternatives for a master plan and creation of scope for first stage of redevelopment.

Cook County: Security Post Upgrades at Cook County Jail, Chicago, IL. Structural Engineer for MEP/FP, civil, and structural engineering services for upgrades to three security posts. Each post is a stand-alone structure with its own HVAC, security, storm water detention system, and parking lot & access control system. Project Value: \$11 million.

Capital Development Board/University of Illinois at Chicago – Adaptive Reuse of Alumni Hall, Chicago, IL. Structural Engineer for design and façade inspection for adaptive reuse of 1920's loft for use by UIC departments. Project Value: \$5.2 million.

Metropolitan Pier and Exposition Authority: McCormick Place West Expansion, Chicago, IL. Structural Engineer for infrastructure design for 2.3 million sq. ft. exhibition space addition. Work included design of retaining walls and design review for structural framing and foundation bents. McCormick Place West is one of the largest public buildings in the U.S. to achieve LEED Silver Certification. Project Value: \$950 million.

Daniel L. Pifko, SE Structural Engineering



Mr. Pifko has over 30 years of experience as a structural engineer, inspector, construction manager, and resident engineer. He has extensive experience performing structural, façade, and life safety assessments for buildings including Chicago Public Schools, State of Illinois Mental Health Centers, and Head Start Facilities as well as apartment complexes, high-rise buildings, plants and pumping stations, maintenance facilities, parking structures, and bridges. He is well versed in local, state, and federal code regulations and has prepared numerous condition assessment reports that provided the foundation for capital improvement programs and major renovation projects.

PROFESSIONAL POSTS:

Structural Engineer, GLOBETROTTERS, Chicago, IL, 2002 – Present.

Construction Manager and Resident Engineer, Graef, Anhalt, Schloemer & Associates, Chicago, IL, 2000 – 2001.

Structural Field Design Engineer, Sargent & Lundy, LLC, Chicago, IL, 1999 – 2000.

Lead Structural Engineer and Site Engineer, Fluor Daniel, Inc., Chicago, IL, 1986 – 2000.

Engineer, Reactor Controls, Inc., San Jose, CA, 1982 – 1986.

Design Engineer, Dennis E. Roby and Associates, Inc., Decatur, IL, 1980 – 1982.

Project Manager, Mississippi Valley Structural Steel Co., Decatur, IL, 1975 – 1980.

PROJECT EXPERIENCE:

City of Chicago Department of Water Management: 68th Street Pumping Station Renovation, Chicago, IL. Senior Structural Engineer for exterior historic masonry restoration, roofing, security enhancements, and site upgrades for 30,000 sq. ft. facility. Tasks included inspection and assessment/ evaluation of the façade, roof, and structural members. Prepared evaluation criteria, employee safety program, and repair designs. Project Value: \$6 million.

City of Chicago Department of Water Management: South Water Purification Plant – Exterior Envelope Rehabilitation, Chicago, IL. Senior Structural Engineer for building façade, roof, and structural condition survey and assessment for 250,000 sq. ft. of exterior wall and 500,000 sq. ft. of building and roofing area for 5-building water treatment facility. Prepared evaluation criteria, employee safety program, and repair designs. Projects were developed from final report to support 10-year capital program. Project Value: \$80 million.

Illinois State Toll Highway Authority: Tollway Maintenance Facility Program Management - Systemwide, Downers Grove, IL. Structural Engineer for general visual survey of facades for facilities in 11 Maintenance Yards to discern signs of deterioration in the existing wall system and assist in the development of a prioritized remodeling plan. Selective responsibilities for the review and approval of submittals, performed quantity estimate takeoffs and quantity verifications, reviewed the contract drawings and specifications, and performed file maintenance and document control activities. Project Value: \$110 million.

Chicago Public Schools: City-Wide School Façade and Critical Structural Element Inspections, Chicago, IL. Supervisor and Inspector for hands-on, close-up visual and forensic condition assessments of brick masonry, concrete, terra cotta, and stone structures, including window, parapet, and cornice components. Performed over 86 timber roof truss structural inspections. Prepared written reports and submitted documentation of significant deterioration, displacement or damage, indicating remediation work and making recommendations on the nature and urgency of this work.

EDUCATION:

M.A. in Structural Engineering,
University of Illinois at Urbana-
Champaign, 1976

B.S. in Architectural Studies,
University of Illinois at Urbana-
Champaign, 1973

A.A. in English, Thornton
Community College, Harvey, IL,
1971

REGISTRATIONS AND AFFILIATIONS:

Structural Engineer, State of
Illinois, Number 081-004393,
1981

Member, American Institute of
Steel Construction

Member, Illinois Society of
Professional Engineers

Illinois Department of Transportation Certifications:

Documentation of Contract
Quantities Certificate, Number
15-0312, Expires 2/26/2019

National Bridge Inspection
Standards (Program Manager)

Piling Training Seminar, STTP-
S19, Certificate No. 2994686

ICORS Training Seminar, 2009



Chicago Public Schools: Self-Certification Occupancy Placard Assessments, Chicago, IL. For all site visit inspections: filled out all Department of Building Application Forms and attached layout plans, performed all Self-Certification calculations, and received and hung the issued occupancy placards. Inspected approximately 400 CPS buildings.

Chicago Public Schools: A/E Consultant Services for CPS Facilities, Chicago, IL. Structural Engineer for facility quality assessments / inspections of the current condition of the building structure and main systems, and providing budgetary cost estimates to restore any deteriorated conditions back to original condition. ADA Compliance issues were addressed during the performance of the assessments / inspections.

Illinois Department of Central Management Services: Façade Inspections at James R. Thompson Center and Michael A. Bilandic Building, Chicago, IL. Structural Engineer for visual inspections of buildings pursuant to City of Chicago Ordinance on the Maintenance of Exterior Walls and Enclosures. Prepares inspection reports and recommendations for repairs.

Public Building Commission: Smoke Stack Inspection, Chicago, IL. Structural Engineer that performed hands-on and close-up visual inspection of two 255' masonry stacks and metal ladder rungs and platforms anchored into masonry construction of each stack to determine condition and required stabilization repairs. Work included a report on condition findings, photo documentation, recommendations for repairs and stabilization, and repair estimates.

City of Chicago Department of Aviation: Redesign of Elevated Parking Structure at O'Hare International Airport, Chicago, IL. Senior Structural Engineer for replacement of failing building Expansion Joints and Trench Drains. Project Value: \$4 million.

City of Chicago Department of Aviation: Façade Inspection of Elevated Parking Structure at O'Hare International Airport, Chicago, IL. Supervisor/ Inspector responsible for conducting comprehensive visual and hands-on inspection of concrete structure, including all spandrel beam components. Prepared report and recommendations in compliance with City of Chicago Façade Ordinance. Project Value: \$400,000.

City of Chicago Department of Children and Youth Services (now Family and Support Services): Head Start Facility Assessments, Chicago, IL. Structural Engineer for facility quality assessments/ inspections of the current condition of buildings' structure and main systems and providing budgetary cost estimates to restore any deteriorated conditions back to original condition. ADA Compliance issues were addressed during the performance of the assessments / inspections. Project Value: \$23 million.

Metra: Randolph Street Station Renovation of Concourse Level Offices, Chicago, IL. ADA Compliance issues were addressed throughout the project.

Chicago Housing Authority: Authority-Wide Façade Inspections, Chicago, IL. Project Manager for critical inspections of high-rise domestic buildings, which included professional observation, oversight, documentation, creation and restoration of inspection openings, and coordination related to the critical examinations of building facades. Emergency stabilization methods were used to secure imminently hazardous conditions discovered during the inspection process. Project Value: \$450,000.

Private Owner: Critical Examination of Exterior Structural Elements for the Historic Delaware Building, Chicago, IL. Senior Structural Engineer who identified and recorded the location of areas of deterioration through close-up visual observation, located areas of sub-surface delamination through sounding, and identified the extent of observable corrosion of pressed metal panels or metal reinforcements. The Critical Examination for this building, listed on the National Register of Historic Places since 1974, was performed under the City of Chicago, Department of Buildings, Rules and Regulations for Exterior Wall Maintenance.

Pifko, Page 2

Other Certifications:

Lafarge Ravena, Contractor Orientation, 11-23-2010

MSHA Part 46 New Miner Training, 11-09-2010

Safe Operation of Suspended Access Equipment, Cert Number 8476, Exp. 5-11-2016

AIA – New Requirements of the Chicago Façade Inspection Ordinance, March 2008

AISC – Façade Attachments to Steel Frames, May 2008

OSHA – 10 hour Occupational Safety and Health Training Course, 1996

TENURE WITH GEC:

16 years

TENURE WITH OTHER FIRMS:

20+ years

Thomas P. Mann, PE
Structural Engineering



Mr. Mann has over 35 years of experience providing structural assessment and design for a wide variety of facilities. He has been performing structural reviews for the City of Chicago Department of Buildings for the past 15 years and is well versed in local, state, and federal codes and regulations.

PROFESSIONAL POSTS AND EXPERIENCE:

Structural Engineer, GLOBETROTTERS, Chicago, IL, April 2008 – Present.

Chicago Public Schools: Bateman, Haugan and Green. Structural Engineer responsible for layout of structural framing, preparing structural design calculations, review of vendor drawings for information related to structural integrity and prepared design reports. (ongoing)

Chicago Department of Aviation: Airport Renovations at O'Hare International Airport and Midway Airport. Structural Engineer responsible for layout of structural framing, preparing structural design calculations, review of vendor drawings for information related to structural integrity and prepared design reports. (ongoing)

City of Chicago Department of Buildings: Municipal Building Code Permit Review Program. Structural Engineer contracted out to City of Chicago where duties include structural drawing reviews of permit applications. Reviewed drawings for compliance to City of Chicago Building Code as well as all other applicable building Codes and Standards. (2008-2018)

Senior Structural Engineer, Holabird & Root, Chicago, IL, 2003 – 2008.

City of Chicago Department of Buildings: Municipal Building Code Permit Review Program. Structural Engineer contracted out to City of Chicago where duties include structural drawing reviews of permit applications. Reviewed drawings for compliance to City of Chicago Building Code as well as all other applicable building Codes and Standards. (2003-2008)

Senior Structural Engineer, Ragnar Benson, Park Ridge, IL, 1988 – 2003.

- Evaluated design criteria with relation to regulatory, technical, industrial and company standards and codes combined with project requirements, and made appropriate design recommendations for specified projects.
- From very preliminary job scope, conceptually estimated quantities of materials required for facilities structures.
- Initiated the basic design concept and did necessary layout and design work to develop steel and concrete structures to perform the functions required. All design functions involved heavy use of computer assisted design.
- Performed technical and economic studies of alternate methods of accomplishing design tasks to arrive at optimum solutions.
- Made site forensic investigations on structural building element failures or near failures. Complied calculations to check structural adequacy of failing elements and surrounding framing elements. Designed economical repairs to ensure the structural integrity of the building.
- Performed civil site planning, which included roadway and sewer layout design, on projects requiring that phase of work to be done.

EDUCATION:

B.S. in Civil Engineering,
Marquette University, 1969

REGISTRATIONS AND AFFILIATIONS:

Professional Engineer, State of Illinois, Number 062-032023, 1997

TENURE WITH GEC:
10 years

TENURE WITH OTHER FIRMS:
25+ years

Projects varied widely in size and complexity:

Shopping Centers:	Westview Center and Crystal Lake Commons
Hospitals:	Northwestern Memorial and Mercy Hospitals
Food Processing Plants and Warehouses:	Nabisco, General Mills, and Goelitz
Print ink manufacturing and warehouses:	Zenica and Central Inks
Electronic Manufacturing:	Method Electronics
Airport Facilities:	Midway and O'Hare International Airports
Railroads:	CP Rail Diesel Maintenance Shop and UPRR Intermodal Facilities
Industrial Plants:	Electro-Motive Division of General Motors and Copperweld

Structural Engineer III, Sargent & Lundy, Chicago, IL, 1985 – 1987.

- Assignments included layout of structural framing, preparing structural design calculations and reviewing structural calculations prepared by other engineers and designers.
- Reviewed vendor drawings for information related to structural integrity and prepared design reports for several nuclear power projects – Byron Braidwood Nuclear Power Plants in Illinois for ComEd.

Structural Engineer III, Stearns Catalytic, Denver, CO, 1974 – 1985.

- Performed in a partial supervisory capacity, planned developed, coordinated and directed various phase of multimillion dollar engineering projects. Prepared technical work and procedures which included conceptual layout and general arrangements on a variety of complex structures and projects.
- 250 MW to 650 MW fossil fuel power plants in Nebraska, North Dakota, Idaho, New Mexico and Colorado.
- Oil Shale Processing Plants in Colorado for Union Oil and Mobil.
- North Slope Oil drilling and processing facilities for ARCO in Alaska.
- Miscellaneous petrochemical processing plants in Colorado and Wyoming.
- Assisted in the implementation and debugging of various structural analysis and design programs for in-house use.

Project Coordinator, American Bridge U. S. Steel Corp., Chicago, IL, 1969 – 1974.

- Performed structural steel design, drafting and estimating for various US Steel plant improvement projects – Blast Furnaces, BOP Shops and Rolling Mills.
- Estimated costs, designed structural elements for high rise commercial buildings designed by other firms – Sears Tower and Standard Oil Building.
- Assisted erection department in development of erection schemes for vertical lift and stationary trussed railroad bridges as well as bascule bridges for City of Chicago.
- Involved in the development and design of new products heavy duty corrugated 'Super Span' culverts.

Inspector, Wisconsin State Highway Dept., Milwaukee, WI, 1966 – 1968.

- Performed as State Highway inspector for bridge erection sewer construction, concrete and asphalt paving. Also served as head of survey crew.

Christopher Wine, PE, LEED AP

Civil/Site Engineering



Mr. Wine has over 25 years of experience as a project manager and civil engineer for sitework and infrastructure projects throughout the Chicagoland area. His expertise consists of the design of sewer, water, and storm drainage plans with extensive involvement in the area of land development. Mr. Wine has incorporated LEED and sustainable technologies into site design including stormwater management and permeable paving. He is also knowledgeable regarding ADA requirements, and has provided leadership for ADA ramp design for clients including the City of Chicago Department of Transportation and Chicago Housing Authority.

PROFESSIONAL POSTS:

Project Manager and Civil Engineer, GLOBETROTTERS, Chicago, IL, 1991 – 1998 and 2003 – Present.

Production Manager, Atlas Bag Corporation, Des Plaines, IL, 1998 – 2002.

Civil Engineer, McGoldrick Engineers, Inc., Temecula, CA, 1987 – 1991.

Design Engineer, JR Engineering Ltd., Englewood, CO, 1984 – 1987.

PROJECT EXPERIENCE:

Public Building Commission of Chicago: Chicago Police Central Headquarters Facility, E. 35th Street, Chicago, IL. Civil Engineer for new 300,000 sq. ft., 5-story police headquarters that was a fast-track project. Civil Engineer for site improvements including grading, stormwater management, and utilities; and a parking lot for 500 vehicles that accommodated stormwater drainage, ADA access, and landscaped medians and islands.

Chicago Public Schools: Rockne Stadium, Chicago, IL. Civil Engineer for parking lot and site amenity improvements including stormwater management, grading, storm sewer, utilities, and signage. Coordinated design with MEP and architectural disciplines. Project Value: \$5 million.

Chicago Public Schools: Lane Tech Academy Stadium Renovation, Chicago, IL. Civil Engineer for renovation and reconstruction of existing athletic field with new synthetic turf field including synthetic running track and installation of track and field events. Included stormwater management and grading as well as coordinating design with MEP and architectural disciplines. Project Value: \$8.7 million.

Elementary School District 159: Colin Powell Middle School, Matteson, IL. Civil Engineer for a new middle school project that including expanding an existing regional detention pond and a geo-thermal heating and cooling system. Site improvements included parking lots, access roads, grading, stormwater management, and utilities. Project Value: \$28 million.

Cook County Dept. of Corrections: Security Post Upgrades at Cook County Jail, Chicago, IL. Civil Engineer for engineering services for upgrades to three security posts (5, 7 and 9). Each post is a stand-alone structure with its own HVAC, security, storm water retention/detention system, and parking lot and access control system. Included site design and stormwater management. Project Value: \$11 million.

St. Bernard Hospital and Health Care Center, Chicago, IL. Civil Engineer for subconsultant services for a 50,000 sq. ft. health care center addition and associated new parking lots. The work includes site layout, grading, drainage, utilities and stormwater management. Project Value: \$20 million.

Metropolitan Pier and Exposition Authority: McCormick Place South Expansion, Chicago, IL. Civil Engineer for civil and infrastructure design including relocating Dr. Martin

EDUCATION:

B.S. in Civil Engineering,
Montana State University, 1984

REGISTRATIONS AND AFFILIATIONS:

Professional Engineer, State of Illinois, No. 062-047129, 1991

LEED Accredited Professional,
April 2004

RECENT CONTINUING EDUCATION:

IDOT HEC-RAS Hydraulic Modeling Workshop

IDOT Traffic Noise Policy Training

IDOT Erosion and Sediment Control Workshops: Fundamental, Inspection & Design

IDOT Phase I Scoping, Procedure and Project Reports

FHWA Sustainable Pavements Program

FHWA Intro to 3D Engineered Models for Highway Transportation

Perimeter Security Planning, Products and Procedures

Anchoring Principles and Design

ASCE Ethics Case Studies

ASCE LRFD for Geotechnical Engineering: Drilled Shaft Foundations

Transportation and Highway Engineering Conference

CMAP Designing for Bicycle Safety Workshop

Luther King Jr. Drive and access roads. Improvements included stormwater management, grading, roadway design, and utility relocations. Project Value: \$750 million.

Metropolitan Pier and Exposition Authority: Hyatt McCormick Place, Chicago, IL. Civil Engineer for site planning and design for this fast-track design/ build project. Improvements included grading, stormwater management, and utility services. Project Value: \$108 million.

Chicago Housing Authority: Prime Design Consulting Services, Chicago, IL. Civil Engineer providing new ADA accessible parking, ramps, and sidewalks for multiple housing complexes. This task order contract has included more than 35 projects, many running concurrently. Project Value: \$28 million.

City of Chicago Department of Water Management: 68th Street Pumping Station Renovation, Chicago, IL. Civil Engineer for project involving site upgrades, exterior historic masonry restoration, roofing, and security enhancements for a 30,000 sq. ft. facility. The project included application of LEED design such as recycling and a rain garden to control storm water runoff. Project Value: \$6 million.

City of Chicago Department of Water Management: South Water Purification Plant New Guardhouse and Facility Entrance Phase I Master Plan, Chicago, IL. Civil Engineer for roadway and drainage realignment work for new state-of-the-art gatehouse as part of Phase 1 Master Plan. The project included two LEED stormwater management technologies: 1) installation of two large filter chambers that filter pollutants out of the site storm water before it is returned to Lake Michigan, and 2) a bio-swale that combines a natural landscape planting habitat that receives filtered stormwater and is allowed to evaporate naturally, infiltrate into the soil, or return to the Lake. Project Value: \$6 million.

SNS Development: DuPage Covered Bridges Apartments, Carol Stream, IL. Civil Engineer for site work and landscaping services as part of a major rehabilitation of a 362-unit apartment complex located on 21 acres of land. Work performed under the IHDA Tax Credit Program for this low-income housing tax credit property included kitchen and bathroom upgrades, common area upgrades, selective electrical upgrades, new roofs, new windows, doors, exterior siding, gutters and downspouts, and site improvements. Project Value: \$6 million.

Metra: Fort Sheridan Station Rehabilitation and Parking Lot Expansion, Fort Sheridan, IL. Civil Engineer for the design, preparation of plans, and construction support for site improvements for the expanded Fort Sheridan Station including site layout, grading, storm sewer, detention facilities, and signage. Porticos were added to the station to provide weather protection for commuters, and the building, platforms, and parking lot were designed to be ADA accessible. Project Value: \$823,000.

Metra: Evanston Station Rehabilitation, Evanston, IL. Civil Engineer for A/E design and construction administration services to restore the structure to its original condition and accommodate mixed use as a community center and small theater.

City of Chicago Department of Aviation: O'Hare Terminal Area Fire Main Relocation – O'Hare Airport, Chicago, IL. Project Manager for design of new route for loop fire main that serves all fire hydrants within landside terminal area. Includes water line routing, tunnel crossings, pavement removal and replacement, storm sewer removal and replacement, construction staging and maintenance of traffic. Work also includes specification development and cost estimate. Duties included preparation of typical sections, roadway reconstruction plan development, maintenance of traffic plans, cost estimates, and preparation of construction schedule. Project Value: \$15 million.

Illinois Concrete Pipe
Association: RCP Underground
Detention System Design

Contech Engineered Solutions:
Bridge Structures

TENURE WITH GEC:
22 years

TENURE WITH OTHER FIRMS:
12 years

Robert Hegstrom, PE

Civil/Site Engineering



Mr. Hegstrom has over 35 years of experience in civil engineering project management and design. He is responsible for design development, preliminary and final design and cost estimates for transportation, site development/ utilities, and environmentally-related projects. His duties encompass preparation of reports, plans, specifications and cost estimates.

PROFESSIONAL POSTS:

Project Manager, GLOBETROTTERS, Chicago, IL, 2012 – Present.

Project Manager, McDonough Associates Inc., Chicago, IL, 1976 – 2012.

Project Engineer, HNTB Corporation, Chicago, IL, 1970 – 1976.

PROJECT EXPERIENCE:

City of Chicago Department of Aviation: East Airfield Lighting Control Vault at O'Hare Airport, Chicago, IL. Civil Engineer for design of infrastructure for two buildings containing lighting control systems for runway and taxiway expansion as part of the O'Hare Modernization Program. Tasks included drainage, utilities, site grading, pavement and landscaping. Project Value: \$20 million.

PACE Bus Northwestern Transportation Center, Schaumburg, IL. Civil engineer for the rehabilitation of the existing bus driveway and parking lot pavements, and sidewalks adjacent to the bus loading canopies. Project Value: \$1.5 million.

Forest Preserve District of Cook County: Little Red School House Nature Center, Willow Springs, IL. Civil Engineer for exterior infrastructure including drainage, utilities, site grading, roads, trails and parking for new one story, 18,000 sq. ft. nature center containing environmental exhibit spaces, restrooms, offices, and support spaces. LEED Gold certification was achieved through the incorporation of sustainable strategies including passive and active energy solutions and the use of local building materials. Project Value: \$6.5 million. (

Forest Preserve District of Cook County: Learning Center at Camp Sagawau, Lemont, IL. Civil Engineer for exterior infrastructure including drainage, utilities, site grading, roads, trails, parking and landscaping for new one story, 12,800 sq. ft., LEED Gold certified educational center. The building includes a central two-story gathering space, educator exhibit spaces, an educator classroom, offices, public cross-country ski rental facilities, restrooms and staff support spaces. Project Value: \$5.7 million.

Forest Preserve District of Cook County: Bike and Hiking Trails, Various Forest Preserves, IL. Civil Engineer for design of new and renovations of bike paths and hiking trails.

City of Chicago Department of Aviation: O'Hare Airport International Terminal Parking Lot Rehabilitation, Chicago, IL. Civil engineering design.

City of Chicago Department of Aviation: O'Hare Airport Elevated Parking Structure Rehabilitation, Chicago, IL. Civil engineering design for reconstruction of entrance/ exit roads and structural repair of interior parking levels and helices.

City of Chicago Department of Aviation: Midway Airport Terminal Reconstruction, Chicago, IL. Civil Project Engineer for Cicero Avenue relocation, airport entrance/ exit roads, aircraft apron paving, parking lots, and water/ sewer utility relocations for the total reconstruction of the Midway Airport Terminal Facilities.

EDUCATION:

B.S. in Civil Engineering,
Bradley University, 1970

Traffic Engineering Certificate,
Northwestern University, 1975

REGISTRATIONS AND AFFILIATIONS:

Professional Engineer, State of Illinois, Number 062-032923, 1975

American Society of Civil Engineers (ASCE)

TENURE WITH GEC:
5 years

TENURE WITH OTHER FIRMS:
30+ years

City of Chicago Department of Aviation: Cargo Area at O'Hare International Airport, Chicago, IL. Civil Engineer for preliminary site development plans.

Chicago Department of Transportation: Wacker Drive Reconstruction, Chicago, IL. Provided QA/QC as part of design engineering services for replacement of east-west portion of the Wacker Drive Viaduct at the upper level, and rehabilitation of lower level roadway. Access stairs located between planters created pedestrian linkages between upper and lower Wacker Drive. Project included roadway lighting systems as well as a power distribution system for both the upper and lower roadways. The lower level roadway was shut down for the through traffic during construction, but local access to the loading docks was maintained.

Chicago Department of Transportation: Streetscape Design for Ogden Avenue, Chicago, IL. Civil engineering design for improvements to sidewalk, curb and gutter, and landscaping for Ogden Avenue in the Lawndale area.

Illinois Department of Innovation and Technology (DOIT) Fiber Optic Projects, various locations. Provided Quality Assurance plan reviews for various projects to install new or relocate existing fiber optic cables.

Village of Orland Park: Bike Path Projects for ComEd ROW and Doogan Park, Orland Park, IL. Civil engineering design for preliminary alignments of several bike paths.

Village of Orland Park: 143rd Street Gateway Project, Orland Park, IL. Civil engineering design for gateway signage and enhanced landscaping at Village boundary.

Metropolitan Water Reclamation District of Greater Chicago (MWRDGC): Flood Control Project on Willow Road at McDonald Creek Tributary A, Prospect Heights, IL. Prepared cost estimates and provided QA for the development of a Feasibility Study to reduce flooding of a Cook County Highway Department road (Willow Road) and adjacent residential streets.

Illinois State Toll Highway Authority (ISTHA): IL 390 / I-490 Interchange Project, DuPage County, IL. Project Highway Engineer for team designing Western Terminal Interchange for proposed EOWA near O'Hare Airport at York Road and Thorndale Avenue. Project includes roadway and structural design of five ramps that cross over York Road and railroad tracks, roadway design of associated local roads, relocation of Willow Creek, major culvert design, highway drainage, compensatory storage basins, detention basins, traffic signals, significant maintenance of traffic, erosion control, and permits. Project Value: \$200 million+.

ISTHA: Elgin O'Hare Western Access – Design Upon Request. Project Highway Engineer for engineering team providing roadway design, structural design, traffic signal and lighting design, topographic survey, drainage design, hydraulic studies, permitting, and other related services for the Elgin O'Hare Western Access Project. Project Value: \$40 million.

Villages of Melrose Park and Bellwood: 25th Ave. Grade Separation Project, Bellwood and Melrose Park, IL. Project Design Engineer for federally funded project to reduce congestion along 25th Avenue, a tightly knit corridor of residential, business, and industrial buildings. The project involved design of a four-span steel plate girder structure over four existing skewed rail lines, which included design of 1530 feet of Mechanically Stabilized Earth (MSE) Retention Walls on a tight approach with a 30 foot embankment. Included relocation of utilities, roadway profile and alignment, drainage, and railroad coordination and phasing to ensure the railroad will remain operational at all times during construction. Globetrotters obtained Sewerage System Permit from MWRDGC for relocation/reconstruction of 3,500± ft. of storm sewers. [This project was recognized with a 2018 Engineering Excellence Merit Award by ACEC-Illinois.](#) Project Value: \$35 million.

Joseph D. Wejman, PE

Civil/Site Engineering



Mr. Wejman has over 20 years of experience in civil engineering projects involving project management, municipal engineering, hydraulic and hydrologic engineering, and land development. As a Project Manager, his responsibilities include managing projects internally, completing design, developing and maintaining budgets, permitting and application, stormwater management reporting and design, design calculations, assembling construction and site plan documents, assembling contract documents, and client administration and coordination. His computer program experience includes: Microstation and Geopak.

PROFESSIONAL POSTS:

Senior Civil Engineer, GLOBETROTTERS, Chicago, IL, May 2014 – Present.

Senior Project Manager, IIW, P.C., 2013 – 2014.

Senior Project Manager, Rogina & Associates, Ltd., 2005 – 2013.

Water Resource Manager, Ciorba Group, Inc., 2003 – 2004.

Village Engineer - Village of Romeoville, 2001 – 2003.

Municipal Engineer - Robinson Engineering, Ltd., 1999 – 2001.

Planning Engineer - Chicago Water Partners, Chicago, IL (Joint venture as part of Rust E&I) 1997 – 1999.

Civil Engineer - Rust Environment & Infrastructure, Oak Brook, IL (formerly Donohue & Assoc.), 1995 – 1997.

Co-op Civil Engineer - Donohue & Assoc./Rust Environment & Infrastructure, Schaumburg, IL, 1992 – 1995.

PROJECT EXPERIENCE:

Prairie du Chien Hospital, Prairie du Chein, WI. Senior Project Manager for site design and permitting for new hospital on 120+ acre site.

Silver Cross Hospital, New Lenox, IL. Project Manager/Design Engineer for site design and permitting for new hospital on 120+ acre site. Included design of several thousand feet of sanitary and storm sewer, including 24" a sanitary interceptor sewer that would service the hospital and large surrounding area. Design consisted of developing plans and specifications to enable contractors to install the new system. Project Value: \$400 million.

Development Projects in Will and Grundy County. Provided project management responsible for maintaining budgets, client administration and coordination, assisting in obtaining municipal approvals, completing design, completing agency permits and applications, assembling construction and site plan documents, stormwater management reporting and design, subdivision design, performing all CAD operations (Microstation and Geopak), attending Village Board Meetings, assisting in Annexation Agreement negotiations, and writing legal descriptions and platting. (2005 – 2013)

Martin Luther King Sanitary Sewer Replacement. Project Manager on sewer replacement involving installation of approximately 11,000 feet of 24" storm sewer utilizing funds from the IEPA Revolving Loan Program and a new roadway storm sewer drainage system traversing several watersheds. Project Value: \$6 million.

EDUCATION:

B.S. in Civil Engineering,
University of Illinois, Urbana-
Champaign, IL, May 1995

REGISTRATIONS AND AFFILIATIONS:

Professional Engineer,
State of Illinois,
No. 062-054597, 2001

Member, Illinois Association
for Floodplain and
Stormwater Management

Certified Floodplain Manager
(CFM), 2000-2007

TENURE WITH GEC:
3 years

TENURE WITH OTHER
FIRMS:
22 years



Martin Luther King Transmission Main and Ground Reservoir Improvements. Project Manager for installation of approximately 8,000 feet of 12 and 16-inch transmission main, and improvements to a ground storage facility and pump station.

Village of Romeoville Department of Public Works. Village Engineer and Superintendent of Operations. Managed and implemented master planning for all infrastructure within the Village's Facilities Planning Area (FPA), including, wastewater, water distribution, sanitary collection, and arterial roadway.

Mid-American Energy Sub-impoundment and Pump Station. Senior Project Manager for design and preparation of contract documents for a liquid natural gas sub-impoundment concrete structure and stormwater pump station. Drainage analysis included TR-20 modeling.

Village of Wilmette: Storm Sewer Relief Program, Wilmette, IL. Design Engineer for 5-phase project utilizing combination of methods to provide relief to combined sewer system. Developed contract documents in 3 of the phases to construct retention berms and control structures.

Village of Romeoville, IL: Airport Road Wells – Phase I. Project Manager and Design Engineer for well construction project that included a 1500 foot deep and 150 foot shallow well for potable water in the Village of Romeoville. The project also included construction of a well house/treatment building to provide disinfection and monitoring. The project consisted of construction two wells and having them blend to comply with IEPA maximum standards for radium and iron. A fracture location study was conducted to identify a location that would yield the highest possible flow from the deep aquifer. A test deep well was constructed to determine maximum flow rate. The maximum flow rate was 1000 gpm. The bedrock in the aquifer was then acidized to increase well yield. A second shallow well was constructed on the site that yielded 600 gpm.

Village of Romeoville, IL: Airport Road Ground Pump Station and Ground Storage Reservoir – Phase 2. Project Manager and Design Engineer for a 3 MG ground storage reservoir and pump station, and improvements to the well house. The existing well discharges would be rerouted to fill the ground storage reservoir. The ground storage reservoir was a pre-cast decorative structure as it resided behind a residential subdivision. The reservoir would feed the new pump station, which consisted of 4 – 125 gpm pumps with variable speed drives. The pump station would then pump water into the system immediately after disinfection and sampling. The existing well house was modified to expand the control room, and house a 600 KW diesel back-up generator. Project Value: \$3.2 million.

Illinois State Toll Highway Authority: IL 390 / I-490 Interchange Project, DuPage County, IL. Civil Drainage Engineer providing hydrologic and hydraulic analysis of Willow Creek and drainage design. Globetrotters is part of engineering team designing Western Terminal Interchange near proposed EOWA and O'Hare Airport near York Road. The project includes the design of bridges, ramps, roadway, drainage, and lighting. Globetrotters was also responsible for the hydrologic and hydraulic analysis, culvert design, compensatory storage basin design and layout, preparation of Hydraulic Report, Floodway permit preparation, CLOMR preparation and coordination of hydraulic components with overall grading plan for this new interchange. The project required relocation of 4,000 LF of Willow Creek, new culverts (approximately 830 foot long triple 11 x 6 foot box and approximately 510 LF of triple 9 x 5 foot box culvert), and multiple compensatory storage basins. Project Value: \$200 million.

Illinois State Toll Highway Authority: Elgin O'Hare Western Access Interchange (EOWA) Design Upon Request Project. Water Resources Engineer responsible for hydrologic and hydraulic analysis and design. Project Value: \$40 million.

Mitch Demitropoulos

Construction Specialist



Mr. Demitropoulos has over 35 years of experience in the construction industry, responsible for pre-construction and construction services, including scheduling, budgeting, value engineering, bidding and contract award, cost control, claims analysis, control administration and close-out. His experience includes the construction management of numerous projects for the Chicago Public Schools' Capital Improvement Program, where he successfully managed a wide variety of civil, structural, mechanical and electrical projects. Mr. Demitropoulos' recent experience also includes managing the construction of several full A/E renovation projects for the Chicago Housing Authority and Housing Authority of Cook County and acted as Resident Engineer for the Structural Renovation of Harrison Dever Crib for the Chicago Water Management Department.

PROFESSIONAL POSTS:

Construction Manager, GLOBETROTTERS, April 2013 – Present.
Sr. Project Manager, Tishman Construction Corporation of Illinois (AECOM Corporation), Chicago, IL, 2006 – 2012.
Sales Manager and Senior Project Manager, Abbott and Associates Inc., Bloomingdale, IL, 2004 – 2006.
Sr. Project Manager, Tishman Construction Corporation of Illinois, Chicago, IL, 1999 – 2004.
Director of Pricing and Routing, Mitsui O.S.K Lines (MOL Intermodal), Chicago, IL, 1992 – 1999.
Project Director, Novak Construction Company, Chicago, IL, 1990 – 1992.
Vice President, Pepper Construction Company, Chicago, IL, 1967 – 1990.

PROJECT EXPERIENCE:

City of Chicago Department of Water Management: Structural Renovations at Harrison/Dever Crib Complex, Chicago, IL. Resident Engineer for construction management services various rehabilitation and repair activities on and around the existing crib complex. Projects at Harrison Crib include concrete and drainage repairs, exterior masonry and chimney repairs, and painting of the exterior steel shell and the steel truss bridge between Harrison and Dever Crib. Projects at Dever Crib include bulkhead seal repairs, steel framing modifications, installation of manual chain hoists, interior and exterior painting, and installation of new navigation lights. Project Value: \$5 million.

City of Chicago Department of Water Management: New Facility, Chicago, IL. Project Director responsible for new construction of a CDWM Storage Facility on Pershing Road.

Chicago Public Schools (CPS): Capital Improvement Program, Chicago, IL. Senior Project Manager for Tishman, which served as Construction Manager for CPS's Capital Improvement Program and was responsible for overseeing construction of 1,950 renovation and expansion projects throughout the CPS system, which contains 600 schools. As many as 200 occupied schools were upgraded concurrently, requiring Tishman Construction to work with as many as 45 architectural firms and 25 general contractors at any given time. Schools ranged from pre-school through high school, and included virtually every type of renovation project: from major exterior and interior rehabilitations to complex mechanical and electrical system upgrades. Senior Project Manager for projects that included:

- As owner's representative, responsible for implementing and overseeing numerous **J.O.C Projects** for Chicago Public Schools.
- **Crane High School**. Complete grinding and tuck pointing of building and reconstruction of parapets thru wall flashing which involved removal and reinstallation of decorative limestone ballasters. Removal and installation of new roof. Project Value: \$15 million.

EDUCATION:

B.A. in Sociology/ Business,
Northeastern Illinois
University, Chicago, IL, 1974

CERTIFICATION:

OSHA 10-Hour Certification
OSHA 29 CRF Scaffolding

TENURE WITH GEC:

5 years

TENURE WITH OTHER

FIRMS:
30+ years

- **Von Steuben High School.** Complete grinding and tuck pointing of entire building along with reconstruction of new terra cotta window sills, figurines and various decorative building pieces. Furnished and installed new doors, windows and new roof. Orange Historic Class. Project Value: \$17 million.
- **Schurz High School.** Installation of dehumidification system and electrical upgrades, installation of two interior elevators from ground floor to 4th floor, and various interior and exterior upgrades. Landmark Status. Project Value: \$20 million.
- **Lane Stadium Renovation.** New seating, lighting, façade renovation, structural concrete restoration for seating area, new washrooms, chair lift, and new gates. \$2 million.
- **Steinmetz High School.** New roof, windows, doors, parking lot, dehumidification system, and new lighting. \$20 million.
- **Chase Elementary School.** Renovation included an interior elevator, new playground area with new turf, and new washrooms.
- **Dumas.** New lighting, environmental removal of abandoned oil tank and boiler system.
- **Northwest Middle School.** Complete exterior renovation. Lafayette – installation of two lunchrooms, new fire alarm system, new generator and misc. renovation.
- **Schubert Elementary School.** Site work, interior upgrades, and complete exterior envelope including new roof, windows, doors and elevator.

Chicago Housing Authority: Prime Design Consulting Service Projects, Chicago, IL. Construction Inspector for rehabilitation projects performed for senior, multi-family, and scattered sites public housing.

Housing Authority of Cook County: Walchirk and Perlman Apartments Renovation, Evanston, IL. Construction Inspector for rehabilitation projects performed for 2 properties totaling 175,000 SF, including new roofs and windows, brick façade replacement, bathrooms, MEP renovations, elevator renovation, and UFAS 504 compliance. Project Value: \$17 million.

Housing Authority of Cook County: Goedke and King Apartments Renovation, Arlington Heights & Skokie, IL. Construction Inspector for rehabilitation projects for 2 properties totaling 165,000 SF, including new roofs and windows, brick façade replacement, kitchens, bathrooms, complete MEP renovations, and UFAS 504 compliance. Project Value: \$20 million.

Richton Square Apartments, Richton Park, IL. Three (3) of the residential apartment buildings containing a total of 96 units, were demolished and reconstructed. Provided Field Oversight during demolition and new construction process.

Willow Lake Apartments, Lombard, IL. Construction Manager for complete renovation of 81 kitchens and 82 bathrooms; 3 new asphalt shingle roofs; 1 asphalt shingle mansard; 1 TPO roof; milling and resurfacing of all asphalt on property; repair of concrete sidewalks, stoops and stairs; masonry improvements; balcony railing and porch repairs/replacement; installation of underground drainage; repairs/replacement of damaged siding or soffits; replacement of all windows and sliding glass doors with vinyl insulated low-E glass units; and gutter and downspout repairs/replacement. Replacement of numerous roofs, mansards and balconies. Rebuilding of 12 unit rentable property due to major fire.

Broadview Apartments, Broadview, IL. Construction Manager for renovations that included installation of a new TPO roof and resurfacing of asphalt on property.

Riverwoods Apartments, West Chicago, IL. Construction Manager for installation of new TPO roof, including coordination with electrical and mechanical subcontractors. Oversaw residing of 12 buildings and replacing 42 entries.

[Demitropoulos, Page 2](#)

Raymond Bruno

Construction Specialist



Mr. Bruno has 25 years of experience in design, project management, and construction management for public infrastructure projects. His experience includes numerous renovation projects at O'Hare International Airport, and serving as a Construction Specialist for Parsons.

PROFESSIONAL POSTS AND ACCOMPLISHMENTS:

Project Manager, GLOBETROTTERS, Chicago, IL, July 2018 – Present.

- Resident engineering services for Eugene Sawyer Water Purification Plant Dehumidification Improvements.

Quality Manager, Pepper Construction Company, Chicago, IL, 2017 – 2018.

- Managed Quality Assurance on all projects within the portfolio, from building envelope, mechanical, electrical and plumbing, foundations.
- Conducted pre-installation meeting for all trades.
- Provided educational seminars to architects, engineers and contractors.

Senior Project Manager / Principal Construction Specialist, Parsons, Chicago, IL, 2007 – 2017.

- **United States Postal Service (USPS) Chicago Fix Up Program and the Energy Conservation Program**, Chicago, IL. Project Manager/ Project Construction Specialist. Project Value: \$3 million.
- **USPS Energy Reduction Project**, Great Lakes Region. Managed USPS approved contractors for Mechanical & Electrical upgrades, R&A projects involving bid solicitation, scheduling, conducting OAC meetings and project close-outs. Project Value: \$4 million.
- **USPS: Palatine P&DC FSS Expansion Project**, Palatine, IL. Owner's Representative for 50,000 sq. ft. building expansion. Project Value: \$13 million.
- **St. Louis PD&C Steam to Natural Gas Conversion**, St. Louis, MO. Owner's Representative. Project Value: \$5 million.
- **Southern Maryland Mechanical Upgrades**, Baltimore, MD. Owner's Representative for replacement of cooling towers, rooftop units, and ductwork. Project Value: \$8 million.
- **Merrifield P&DC Mechanical Upgrades**, Merrifield, VA. Owner's Representative for replacement of rooftop units. Project Value: \$3 million.
- **Evanston Main Post Office**, Evanston, IL. Owner's Representative for lighting and HVAC upgrades. Project Value: \$250,000.
- **South Suburban P&DC**, Bedford Park, IL. Owner's Representative for lighting replacement and lighting controls. Project Value: \$1 million.
- **USPS Data Center**, San Jose, CA. Owner's Representative. Project Value: \$30 million.
- **King Abudalla University of Science & Technology (KAUST): Student and Faculty Housing**, Thuwal, Saudia Arabia. Owner's Representative. Project Value: \$50 million.
- **KAUST: Chemical and Biological Engineering Building**, Thuwal, Saudi Arabia. Owner's Representative. Project Value: \$60 million.
- **KAUST: Marine Science Building**, Thuwal, Saudi Arabia. Owner's Representative. Project Value: \$60 million.
- **Cook County Real Estate Assessment Program**.
- **Mt. Sinai: Gad Hill Center**. One story renovation with 4,000 sq. ft. new addition.

Project Manager, Bovis Lend Lease, Chicago, IL, 2005 – 2007.

- Project Manager for high rise residential projects fifteen stories and up to 70 stories.
- General Conditions forecasting. Creating GMP's (Gross Maximum Pricing).
- Buying out contracts. Conducting OAC (Owner, Architect and Contractor) meetings.
- Performing Peer Reviews and scope reviews.

EDUCATION:

Master of Civil Engineering for Construction Management, Illinois Institute of Technology, 21 hours earned to date, Expected Graduation 2018

Bachelor's of Architecture, Illinois Institute of Technology, 1993

TENURE WITH GEC:

<1 year

TENURE WITH OTHER FIRMS:

25 years

- Creating schedules and site logistics plans.
Submit for permits and performing design assist for each project.
- **Winthrop Club Condominiums**, Evanston, IL. 17-story, multi-family residential high-rise. Project Value: \$145 million.
- **1720 S. Michigan Avenue Condominiums**, Chicago, IL. 33-story, multi-family residential high-rise. Project Value: \$160 million.
- **1620 S. Michigan Avenue Condominiums**, Chicago, IL. 25-story, multi-family residential high-rise. Project Value: \$145 million.
- **Community Center**, Chicago, IL. 2-story facility. Project Value: \$450,000.
- **Trump Tower & Hotel – Interior Finishes**, Chicago, IL. 100-story, multi-use high-rise.

Regional Manager, Hanscomb Faithful & Gould, Chicago, IL, 2002 – 2005.

- **Boeing/ Siemens Dematic: TSA Homeland Airport Security Project**, all airports throughout Midwest. Great Lakes Regional Manager. Project Value: \$167 million.
 - o Successfully planned the logistics coordination, construction, site management and coordination of UL proxy certification, OEM commissioning and Site Acceptance Testing activities for the installation of explosive detection equipment at 62 airports.
 - o Government mandated completion date of (12-31-02) created an extremely accelerated project schedule.

Project Manager, Tishman Construction & Realty, Chicago, IL, 2000 – 2002.

- **City of Chicago Department of Aviation: H & K Terminal Renovations and Mechanical & Electrical Upgrades at O'Hare International Airport**, Chicago, IL. Managed teams of Architects, Engineers, Consultants, Project Administrators, General Contractors and others for the on-time, on-budget completion of interior renovations to the H & K Terminals Gate areas, Food Court, Admirals Club, Restroom as well as Mechanical / Electrical Upgrades. Project Value: \$30 million+.
 - o Project management responsibilities: prepare budgets, cash flows, critical paths, monthly reports to Department of Aviation for City of Chicago, administer contracts with consultants and contractors, and approve change orders, construction draws.
 - o Ensured compliance with budget and schedule, contract documents, building code and zoning, ADA by pro-active management, document review and site inspection.
 - o Value engineered more than \$250,000 in cost savings.
- **Chicago Housing Authority: Senior High-Rise Renovations**, Chicago, IL. Project Value: \$90 million.

Project Architect, Loeb Schlossman & Hackl, Chicago, IL, 1998 – 2000.

- Developed architectural plans for a variety of projects from residential, commercial and parking facilities.
- Construction administration, cost estimates, bid review, shop drawing review, general contractor draws review.
- **Bank of Mauritius**, Port Louis. 40-story national bank. Project Value: \$175 million.
- **Housing Project**, Changsha, China. Three (3) 20-story, multi-family high-rises. Project Value: \$245 million.

Project Architect, MRSA Architecta, Chicago, IL, 1997 – 1998.

- Produced construction documents for interior tenant build outs for commercial high rises.
- Construction Administration for various tenant build outs

Project Architect, Mekus Studios, Chicago, IL, 1996 – 1997.

Project Architect/Manager, McDonald's Corporation, Chicago, IL, 1993 – 1996.

Terrence Shanklin, PE Construction Specialist



Mr. Shanklin has 12 years of experience managing transportation and infrastructure projects for both public and private sectors. His projects include bridge inspections for the Illinois Tollway and IDOT as well as resident engineering for City of Chicago Department of Aviation projects. In addition to his civil engineering expertise, Mr. Shanklin has advanced knowledge of structural systems and design and will be taking the SE exam in October 2018.

PROFESSIONAL POSTS AND ACCOMPLISHMENTS:

Project Manager, GLOBETROTTERS, Chicago, IL, July 2018 – Present.

Illinois State Toll Highway Authority: Construction Management Services Upon Request. Project Manager for the following Illinois Tollway Projects:

Contract No. RR-18-4387. Crossroad Bridge Rehabilitation, Tri-State Tollway (I-294) M.P. 22.5 TO M.P. 29.5. The work includes deck repairs, joint repairs, bearing repairs, protective shielding, substructure concrete repairs, concrete girder repairs, scarification and thin polymer overlay, and drainage system cleaning. (ongoing – 12/2018)

Contract No. I-18-4369. Building Removal Systemwide, Willow Springs, Hodgkins, and Countryside, Cook County, Illinois. The work includes building removal; residential, commercial and industrial building board up services; site clearing and grading; erosion and sediment control; environmental testing for asbestos and lead; asbestos, lead; topsoil and seeding; trees and tree stump removal; and maintenance of traffic during construction. (ongoing- 06/2020)

Contract No. I-17-4322. Fiber Optic Removal – West Jane Addams Memorial Tollway (I-90) Elgin Plaza 9 to I-53 Mile Post 53.6 to Mile Post 68.2 Station 2795+00 to Station 3565+35. The work includes maintenance of traffic; and removal of the temporary fiber optic system infrastructure. (ongoing- 03/2019)

Contract No. I-17-4327. Fiber Optic Removal – East Jane Addams Memorial Tollway (I-90), IL-53 to Kennedy Expressway Mile Post 68.2 to Mile Post 78.9 Station 3565+00 to Station 4127+00. The work includes maintenance of traffic; and removal of the temporary fiber optic system infrastructure. (ongoing-10/2018)

Contract No. I-17-4319. Eastbound Right of Way Fence and Gate Replacement Jane Addams Memorial Tollway (I-90), Elgin Plaza 9 to Kennedy Expressway Mile Post 53.8 to Mile Post 78.9 Station 2803+00 to Station 4127+00. The work includes removal and installation of right of way fence and gates; installation of turf block pavers and geocellular pavement at vehicle gate. (ongoing-10/2018)

Supervisor/Project Engineer, ComEd, Chicago, IL, Sept. 2012 – June 2018.

Construction Supervisor – all overhead construction

Projects included all overhead electrical work – replacement of poles, transformers, wires, etc. Responsibilities included schedule and direct field work, adherence to budget, management of personnel, shift and staff coordination.

Project & Construction Manager – Chicago Skyway Bridge Program

Project involved repair and replacement of 75 concrete and steel span bridges used for vehicle access to transmission towers. Responsibilities included managing budget, determining scope of work, coordinating work schedule, oversight of field personnel, and presenting/leading department meetings.

Sr. Standards Engineer - Subject Material Expert (SME)

Projects/responsibilities included investigating system failure events, solving lingering structural issues at various locations involving different structures (vaults, manhole,

EDUCATION:

B.S., Physics, Illinois Institute of Technology, Chicago, IL 2014

B.S., Civil Engineering, Arizona State University, Tempe, AZ, 2006

A.A., Science, Moraine Valley Community College, Palos Heights, IL 2001

ILLINOIS DEPARTMENT OF TRANSPORTATION CERTIFICATIONS:

Mixture Aggregate Technician Course

Bituminous Concrete Level 1

PCC Level 1

Bridge Construction Inspection

Technology Transfer Program – Survey 1

ACI certified

REGISTRATIONS AND AFFILIATIONS:

Professional Engineer: State of Illinois, No. 062-063060, 2010

TENURE WITH GEC:

<1 year

TENURE WITH OTHER FIRMS:

12 years

buildings, and bridges), and working with vendors, field staff, and engineering to develop and approve new equipment on the power system.

Project Engineer, Bowman, Barrett, & Associates, Chicago, IL, July 2006 – Sept. 2012.

Illinois State Toll Highway Authority: Bridge Inspection of Tri-State Tollway (I-294), Cook County, IL. Lead Project Engineer whose responsibilities included inspection of mainline bridge structures from Justice, IL to Hinsdale, IL. Project scope included nondestructive testing and inspection of superstructure and substructure elements, documentation of findings, preparation of bridge condition reports, and coordination of the budget estimation and design.

City of Chicago Department of Aviation: O'Hare International Airport Terminals 1, 2, & 3 "F.A.C.E." Façade and Circulation Enhancements, Chicago, IL. Lead Project Engineer whose responsibilities included budget adherence and coordination of work for project that consisted of the extension of the upper and lower roadway bridges, foundation and erection of roadway canopy, and erection of new terminal facade.

Illinois Department of Transportation (IDOT): Bridge Inspection I-80, Joliet, IL. Structural Engineer for the inspection of mainline bridge structure over the Des Plaines River. Project scope included nondestructive testing and inspection of superstructure and substructure elements, documentation of findings, preparation of bridge condition reports, and coordination of the budget estimation and design.

City of Chicago Department of Aviation: Midway International Airport Consolidated Rental Car Facility and Parking Garage, Chicago, IL. Resident Engineer whose responsibilities included oversight of work and adherence to plans and specifications, presenting material quantity and budget adherence to the Client.

City of Chicago Department of Aviation: Taxiway "G" and Runway 31R Turn Pad, Midway International Airport, Chicago, IL. Resident Engineer whose responsibilities included oversight of work and adherence to plans and specifications, presenting material quantity and budget adherence to the Client.

City of Chicago Department of Aviation: Runways 4R and 13C "EMAS" Engineered Materials Arrestor System Installation, Midway International Airport, Chicago, IL. Resident Engineer whose responsibilities included oversight of work and adherence to plans and specifications, presenting material quantity and budget adherence to the Client.

Lisa Macek
Construction Specialist



Ms. Macek has 20+ years of construction inspection experience for IDOT, ISTHA, and CDOT. Her tasks include reviewing construction plans, specifications, and other documents that affect projects. Inspected contractor's field activities, field measurements, quality control, and documentation of contract quantities elevations. Conducted on-site inspections of underground utilities, electrical, grade checks, ensure safety standards are met, bridges, and maintaining daily records of materials and quantities used. Closeout paperwork, quantity checks, materials, to finalize and box up projects.

PROFESSIONAL POSTS:

- Construction Inspector, GLOBETROTTERS, June 2015 – Present.
- Senior Construction Technician, V3 Companies, Wooldridge, IL, 2011 – 2015.
- Field Inspector, Knight Engineers & Architects, Chicago, IL, 2004 – 2010.
- Field Inspector, Cotter Consulting, Inc., Darien, IL, 2001 – 2004.
- Field Inspector, Mota Corporation, Waukegan, IL. 1998 – 2001.
- Surveyor/Estimator, Ganna Construction, Itasca, IL, 1997 – 1998.
- Surveyor/Inspector, Barrett & Associates, Chicago, IL, 1995 – 1996.

PROJECT EXPERIENCE:

City of Chicago Department of Transportation (CDOT): Program Management for City-Wide Miscellaneous Street Lighting Improvements, Chicago, IL. Construction Inspector for program management and Phase III construction engineering services for the installation of new residential and/or arterial street lighting and the removal and replacement of roadway, pavement, sidewalk, curb and gutter, and pavement markings, (2/2018-Present)

CDOT: Resurfacing and ADA Ramps throughout Chicago. Field Inspector.

CDOT: Water Dept. Ancillary Projects throughout the Chicago land area. Field Inspector.

Chicago Housing Authority: Elevator Modernization Program, Chicago, IL. Construction Inspector.

City of Chicago Department of Aviation (CDA): Midway & O'Hare Airport TSA Security, Chicago, IL. Field Inspector responsible for inspection of contractors' field activities, field measurements, quality control and documentation of contract quantities.

CDA: O'Hare JOC Program, Chicago, IL. Field Inspector responsible for overseeing various small projects throughout the airport.

CDA: O'Hare International Airport Parking Lot G, Chicago, IL. Field Inspector.

CDA: O'Hare International Airport – 14R32L Runway Rehabilitation, Chicago, IL. Field Inspector.

CDA: Terminal Expansion Program at Midway Airport, Chicago, IL. Field Inspector as part of the construction management team.

CDA: Midway Airport Runway 4R/22L, Chicago, IL. Surveyor/Inspector.

EDUCATION:

Business Administration (2 yrs.), Moraine Valley Community College, Palos Hills, 1992

Illinois Department of Transportation Certifications:

Documentation of Contract Quantities Certificate No. 17-12848, Expires 4/26/2021

PCC Level I, 2002
PCC Level II

Hot Mix Asphalt Level I, 2002

Aggregate for Mixtures, 2001

Work Zone Safety, 2002

Other Certifications:

10-Hour Occupational Construction Safety and Health Training

Airside Construction Training Course at O'Hare International and Midway Airports

TENURE WITH GEC:

3 years

TENURE WITH OTHER FIRMS:

20 years



CDA: O'Hare International Airport 14RL/32R Shoulder Rehab, Chicago, IL. Surveyor/Inspector.

CDA: O'Hare Airport Project H6009 9R/13L Rehab, Chicago, IL. Surveyor/Inspector.

Villages of Melrose Park & Bellwood, and the West Cook Railroad Relocation & Redevelopment Authority (WCRRA): 25th Avenue Grade Separation, Melrose Park and Bellwood, IL. Construction Inspector for Phase III engineering for construction of a grade separation over the Union Pacific RR on 25th Avenue north of St. Charles Road. The project consists of removal and replacement of curb and gutter, sidewalk and pavement, building removal, temporary pavement, earth excavation, removal and disposal of regulated substances, furnished excavation, a four-span steel girder bridge, PCC pavement, medians, sidewalk, storm sewer drainage systems, mechanically stabilized earth and segmental concrete block, retaining walls, water mains and sanitary sewer systems, street lighting, pavement marking, signing, and landscaping. [This project was recognized with a 2018 Engineering Excellence Merit Award by ACEC-Illinois.](#) Project Value: \$35 million.

Illinois Department of Transportation (IDOT): Route 30 Reconstruction. Field Inspector.

IDOT: I-55 Widening and Resurfacing - 143rd St. to Weber Rd. Field Inspector.

IDOT: I-55 Widening and Resurfacing - US 30 (Plainfield Rd.) to 143rd St. Field Inspector.

IDOT: I-55 Bridge Widening US 30 (Plainfield Rd.) to Lily Cache Slough. Field Inspector.

IDOT: Add Lanes, Bridge Replacement, Interchange Reconstruction SB (South of 159th St. to South of Thornton-Lansing Rd.). Field Inspector.

IDOT: Add Lanes, Bridge Replacement, Interchange Reconstruction NB (South of 159th St. to South of Thornton-Lansing Rd.). Field Inspector.

IDOT: I-80/94 WB Flyover Ramp to SB IL 394 (Ramp G). Field Inspector.

IDOT: Advanced Work - Paving and Bridge Replacement Interstate 80/294 EB to Interstate 94 WB and Illinois 394 NB. Field Inspector.

IDOT: Advanced Work - Paving and Bridge Replacement Interstate 94 Eastbound at Interstate 80. Field Inspector.

IDOT: 59th & Ashland, Various- Various. Field Inspector. Worked closely with CDOT standards to make sure all sewer installation was done accordingly.

IDOT: Dan Ryan between 43rd & 65th Streets. Field Inspector. This project consisted of preparatory work to precede the Dan Ryan Expansion beginning in 2004.

IDOT: Rte 30/34 Ogden Ave. (2 miles, Oswego). Field Inspector.

Illinois State Toll Highway Authority (ISTHA): Church Road Bridge Reconstruction over I-88. Field Inspector.

ISTHA: Roadway and Bridge Reconstruction NB Tri-State Tollway I-294 from Willow Rd. to Dundee. Field Inspector.

ISTHA: Roadway and Bridge Reconstruction NB Tri-State Tollway I-294 from Dundee to Lake-Cook Rd. Field Inspector.

ISTHA: Northwest Tollway Rehabilitation and Resurfacing. Field Inspector.

EXHIBIT A

LEGAL ACTIONS

EXHIBIT A FOLLOWS

EXHIBIT A - LEGAL ACTIONS

FIRM NAME Globetrotters Engineering Corporation

I. LEGAL ACTIONS

If the answer to any of the questions below is YES, you must provide a type-written, brief description, and/or explanation on a separate sheet following this page. Each question must be answered.

Question	Yes	No
Has the firm or venture been issued a notice of default on any contract awarded to it in the last 3 years?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Does the firm or venture have any legally filed judgments, claims (liquidated damages, or other), arbitration proceedings or suits pending or outstanding against the firm or venture or its officers?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If the answer to the preceding question is "Yes", provide the requisite explanation on a separate sheet and include the date(s) of filing with the corresponding dollar amount of claims (or judgments and the contract value of the contract).		
Within the past 3 years has the firm or venture been a party to any lawsuits or arbitration proceedings with regard to any contracts?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Within the last 3 years, has any officer or principal of the firm or venture ever been an officer or principal of another organization that failed to complete any contract as a result of termination, litigation, arbitration or similar matter?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Has any key person with the firm or venture or its predecessor ever been convicted of or charged with any state or federal crime (excluding traffic violations), including but not limited to, embezzlement, theft, forgery, bribery, falsification or destruction of records, receipt of stolen property, criminal anti-trust violations, bid-rigging or bid-rotating?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Has the firm or venture ever been temporarily or permanently debarred from contract award by any federal, state, or local agency?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Within the last 3 years, has the firm or venture been investigated or assessed penalties for any statutory or administrative violations (including but not limited to MBE, WBE, EEOC violations)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Has the firm or venture ever failed to complete any work awarded to it?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

EXHIBIT B

DISCLOSURE AFFIDAVIT

EXHIBIT B FOLLOWS

EXHIBIT B - Disclosure Affidavit

I. HISTORY AND OWNERSHIP OF RESPONDENT FIRM

Any firm proposing to conduct any business transactions with the Public Building Commission of Chicago must complete this Disclosure Affidavit. Please note that in the event the Contractor is a joint venture, the joint venture and each of the joint venture partners must submit a completed Disclosure Affidavit.

The undersigned Michael J. McMurray, as President
Name Title

and on behalf of Globetrotters Engineering Corporation
 ("Bidder/Proposer/Respondent or Contractor") having been duly sworn under oath certifies the following:

RESPONDENT			
Name of Firm:	Globetrotters Engineering Corporation		
Address:	300 S. Wacker Drive, Suite 400		
City/State/Zip:	Chicago, IL 60606		
Telephone:	(312) 922-6400	Facsimile:	(312) 922-0267
FEIN:	36-2819661	SSN:	N/A
Email:	marketing@gec-group.com		
Nature of Transaction:			
<input type="checkbox"/> Sale or purchase of land <input type="checkbox"/> Construction Contract <input checked="" type="checkbox"/> Professional Services Agreement <input type="checkbox"/> Other _____			

II. DISCLOSURE OF OWNERSHIP INTERESTS

Pursuant to Resolution No. 5371 of the Board of Commissioners of the Public Building Commission of Chicago, all Bidders/Proposers shall provide the following information with their Bid/Proposal. If the question is not applicable, answer "NA". If the answer is none, please answer "none".	
<input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Sole Proprietorship <input type="checkbox"/> Joint Venture	<input type="checkbox"/> Limited Liability Company <input type="checkbox"/> Limited Liability Partnership <input type="checkbox"/> Not-for-profit Corporation <input type="checkbox"/> Other: _____

EXHIBIT B - Disclosure Affidavit

A. CORPORATIONS AND LLC'S

State of Incorporation or Organization:		Illinois
If outside of Illinois, is your firm authorized to conduct business in the State Of Illinois:		<input type="checkbox"/> Yes <input type="checkbox"/> No
City/State/ZIP:	Chicago, IL 60606	
Telephone:	(312) 922-6400	
Identify the names of all officers and directors of the business entity. <i>(Please attach list if necessary.)</i>		
Name	Title	
Please see attached.		
Identify all shareholders whose Ownership percentage exceeds 7.5% of the business entity. <i>(Please attach list if necessary.)</i>		
Name	Address	Ownership Interest Percentage
Ajay Shah	300 S. Wacker #400, Chicago, IL 60606	53.33 %
Trust A c/u Shah 2011 Gift Trust	300 S. Wacker #400, Chicago, IL 60606	46.67 %
(Trustee: Pratima Shah, Beneficiary: Ajay Shah)		%
LLC's only, indicate Management Type and Name:		
<input type="checkbox"/> Member-managed	<input type="checkbox"/> Manager-managed	Name:
Is the corporation or LLC owned partially or completely by one or more other corporations or legal entities?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<i>If yes, please provide the above information, as applicable, for each such corporation or entity such that any person with a beneficial Ownership interest of 7.5% or more in the corporation contracting in the PBC is disclosed. For example, if Corporation B owns 15% of Corporation A, and Corporation A is contracting with the PBC, then Corporation B must complete a Disclosure Affidavit. If Corporation B is owned by Corporations C and D, each of which owns 50% of Corporation B, then both Corporations C and D must complete Disclosure Affidavits.</i>		

Officers of Globetrotters Engineering Corporation

Name	Title
Ajay Shah, Esq.	Chief Executive Officer
Michael J. McMurray, Esq.	President
Brian McPartlin	Executive Vice President
Bruce Weber, AIA	Vice President of Architecture
Michael J. Paulius, PE, F.ASCE	Senior Vice President of Special Projects
Sung Lee, PE	Vice President of Transportation
Wendell Fransen	Treasurer and Controller
Griselda Monsivais, PE	Associate Vice President of Transportation
Michael Albert, CPA	Chief Financial Officer

Directors of Globetrotters Engineering Corporation

Name	Title
Niranjan S. Shah, PE, F.ASCE	Chairman of the Board of Directors
Ajay Shah, Esq.	Director
Bruce Weber, AIA	Director for Architecture
Philip Peterson, PE	Director for Mechanical Engineering
Thakor J. Bhagwakar, PE, SE	Director for Structural Engineering
Vinod Thanki, PE, LEED AP, CFM	Director for Technology



EXHIBIT B - Disclosure Affidavit

B. PARTNERSHIPS

If the bidder/proposer or contractor is a partnership, indicate the name of each partner and the percentage of interest of each therein. Also indicate, if applicable, whether General Partner (GP) or Limited Partner (LP).		
Name	Type	Ownership Interest Percentage
		%
		%
		%
		%
		%

C. SOLE PROPRIETORSHIP

The bidder/proposer or contractor is a sole proprietorship and is not acting in any representative capacity on behalf of any beneficiary:	
If the answer is no, please complete the following two sections.	<input type="checkbox"/> Yes <input type="checkbox"/> No
If the sole proprietorship is held by an agent(s) or a nominee(s), indicate the principal(s) for whom the agent or nominee holds such interest.	
Name of Principal(s)	
If the interest of a spouse or any other party is constructively controlled by another person or legal entity, state the name and address of such person or entity possessing such control and the relationship under which such control is being or may be exercised.	
Name	Address

EXHIBIT B - Disclosure Affidavit

III. CONTRACTOR CERTIFICATION

A. CONTRACTORS

1. The Contractor, or any affiliated entities of the Contractor, or any responsible official thereof, or any other official, agent or employee of the Contractor, any such affiliated entity, acting pursuant to the direction or authorization of a responsible official thereof has not, during a period of three years prior to the date of execution of this certification:
 - a. Bribed or attempted to bribe, or been convicted of bribery or attempting to bribe a public officer or employee of the City of Chicago, the State of Illinois, any agency of the federal government or any state or local government in the United States (if an officer or employee, in that officer's or employee's official capacity); or
 - b. Agreed or colluded, or been convicted of agreement or collusion among bidders or prospective bidders in restraint of freedom of competition by agreement to bid a fixed price or otherwise; or
 - c. Made an admission of such conduct described in 1(a) or (b) above which is a matter of record but has not been prosecuted for such conduct.
2. The Contractor or agent, partner, employee or officer of the Contractor is not barred from contracting with any unit of state or local government as a result of engaging in or being convicted of bid-rigging² in violation of Section 3 of Article 33E of the Illinois Criminal Code of 1961, as amended (720 ILCS 5/33E-3), or any similar offense of any state or the United States which contains the same elements as the offense of bid-rigging during a period of five years prior to the date of Submission of this bid, proposal or response.
3. The Contractor or any agent, partner, employee, or officer of the Contractor is not barred from contracting with any unit of state or local government as a result of engaging in or being convicted of bid-rotating⁴ in violation of Section 4 of Article 33E of the Illinois Criminal Code of 1961, as amended (720 ILCS 5/33E-4), or any similar offense of any state or the United States which contains the same elements as the offense of bid-rotating.
4. The Contractor understands and will abide by all provisions of Chapter 2-56 of the Municipal Code entitled "Office of the Inspector General" and all provisions of the Public Building Commission Code of Ethics Resolution No.5339, as amended by Resolution No. 5371.
5. The Contractor certifies to the best of its knowledge and belief, that it and its principals:
 - a. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any federal, state or local department or agency.
 - b. Have not within a three-year period preceding this bid or proposal been convicted of or had a civil judgment rendered against them for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (federal, state or local) transaction or contract under a public transaction; violation of federal or state antitrust statutes; commission of embezzlement, theft, forgery, bribery, falsification or destruction of records; making false statements; or receiving stolen property;
 - c. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (federal, state or local) with commission of any of the offenses enumerated in paragraph (5)(b) above; and
 - d. Have not within a three-year period preceding this bid or proposal had one or more public transactions (federal, state or local) terminated for cause or default.

EXHIBIT B - Disclosure Affidavit

If the letters "NA", the word "None" or no response appears on the lines above, it will be conclusively presumed that the Undersigned certified to the above statements.

4. If any subcontractors are to be used in the performance of this contract or agreement, the Contractor shall cause such subcontractors to certify as to paragraph (C)(1) or (C)(2) of this certification. In the event that any subcontractor is unable to certify to any of the statements in this certification, such subcontractor shall attach an explanation to this certification.

D. OTHER TAXES/FEEES

1. The Contractor is not delinquent in paying any fine, fee, tax or other charge owed to the City of Chicago.
2. If Contractor is unable to certify to the above statement, Contractor shall explain below and (attach additional pages if necessary).

If the letters "NA", the word "None" or no response appears on the lines above, it will be conclusively presumed that the Undersigned certified to the above statements.

E. PUNISHMENT

1. A Contractor who makes a false statement material to Section II(A)(2) of this certification commits a Class 3 felony. 720 ILCS 5/33E-11(b).

F. JUDICIAL OR ADMINISTRATIVE PROCEEDINGS

1. The Contractor is not a party to any pending lawsuits against the City of Chicago or the Public Building Commission of Chicago nor has Contractor been sued by the City of Chicago or the Public Building Commission of Chicago in any judicial or administrative proceeding.
2. If the Contractor cannot certify to the above, provide the (1) case name; (2) docket number; (3) court in which the action is or was pending; and (4) a brief description of each such judicial or administrative proceeding. Attach additional sheets if necessary.

If the letters "NA", the word "None" or no response appears on the lines above, it will be conclusively presumed that the Undersigned certified to the above statements.

G. CERTIFICATION OF ENVIRONMENTAL COMPLIANCE

- A. Neither the Contractor nor any affiliated entity of the Contractor has, during a period of five years prior to the date of execution of this Affidavit: (1) violated or engaged in any conduct which violated federal, state or local environmental restriction, (2) received notice of any claim, demand or action, including but not limited to citations and warrants, from any federal, state or local agency exercising executive, legislative, judicial, regulatory or administrative functions relating to a violation or alleged violation of any federal, state or local statute, regulation or other environmental restriction; or (3) been subject to any fine or penalty of any nature for failure to comply with any federal, state or local statute, regulation or other environmental restriction.

EXHIBIT B - Disclosure Affidavit

If the Contractor cannot make the certification contained in the above paragraph, identify any exceptions (attach additional pages if necessary):

If the letters "NA", the word "None" or no response appears on the lines above, it will be conclusively presumed that the Undersigned certified to the above statements.

- B. Without the prior written consent of the Public Building Commission of Chicago, Contractor will not employ any subcontractor in connection with the contract or proposal to which this Affidavit pertains without obtaining from such subcontractor a certification similar in form and substance to the certification contained in Paragraph A of this Section III prior to such subcontractor's performance of any work or services or furnishing any goods, supplies or materials of any kind under the proposal or the contract to which this Affidavit pertains.
- C. Until completion of the Contract's performance under the proposal or contract to which this Affidavit pertains, the Contractor will not violate any federal, state or local statute, regulation or other Environmental Restriction, whether in the performance of such contract or otherwise.

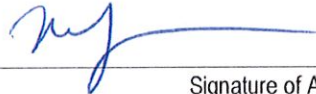
H. INCORPORATION INTO CONTRACT AND COMPLIANCE

The above certification shall become part of any contract awarded to the Contractor set forth on page 1 of this Disclosure Affidavit and are a material inducement to the Public Building Commission of Chicago's execution of the contract, contract modification or contract amendment with respect to which this Disclosure Affidavit is being executed and delivered on behalf of the Contractor. Furthermore, Contractor shall comply with these certifications during the term and/or performance of the contract.

I. VERIFICATION

Under penalty of perjury, I certify that I am authorized to execute this Disclosure Affidavit on behalf of the Contractor set forth on page 1, that I have personal knowledge of all the certifications made herein and that the same are true.

The Contractor must report any change in any of the facts stated in this Affidavit to the Public Building Commission of Chicago within 14 days of the effective date of such change by completing and submitting a new Disclosure Affidavit. Failure to comply with this requirement is grounds for your firm to be deemed non-qualified to do business with the PBCC. Deliver any such new Disclosure Affidavit to: Public Building Commission of Chicago, Director of Compliance, 50 W. Washington, Room 200, Chicago, IL 60602.



Signature of Authorized Officer

Michael J. McMurray

Name of Authorized Officer (Print or Type)

President

Title

(312) 922-6400

Telephone Number

State of Illinois
County of Cook

Signed and sworn to before me on this 6th day of December, 2018 by
Michael J. McMurray (Name) as President (Title) of
Globetrotters Engineering Corporation (Bidder/Proposer/Respondent or Contractor)

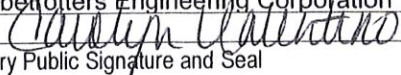

Notary Public Signature and Seal



EXHIBIT C

DISCLOSURE OF RETAINED PARTIES

EXHIBIT C FOLLOWS

EXHIBIT C – DISCLOSURE OF RETAINED PARTIES

Definitions and Disclosure Requirements

As used herein, "Consultant" means a person or entity who has any contract with the Public Building Commission of Chicago ("Commission").

Commission bids, contracts, and/or qualification submissions must be accompanied by a disclosure statement providing certain information about lobbyists whom the Consultant has retained or expects to retain with respect to the contract. In particular, the Consultant must disclose the name of each such person, his or her business address, the name of the relationship, and the amount of fees paid or estimated to be paid. The Consultant is not required to disclose employees who are paid solely through the Consultant's regular payroll.

"Lobbyists" means any person who (a) for compensation or on behalf of any person other than himself undertake to influence any legislative or administrative action or (b) any part of whose duties as an employee of another includes undertaking to influence any legislative or administrative action.

Certification

Consultant hereby certifies as follows:

This Disclosure relates to the following transaction(s): RFP - PS3016

Description of goods or services to be provided under Contract: Constructability Review Services

Name of Consultant: *Globetrotters Engineering Corporation*

EACH AND EVERY lobbyist retained or anticipated to be retained by the Consultant with respect to or in connection with the contract listed below. Attach additional pages if necessary.

Retained Parties:

Name	Business Address	Relationship (Attorney, Lobbyist, etc.)	Fees (indicate total whether paid or estimated)

Check Here If No Such Persons Have been Retained or Are Anticipated To Be Retained

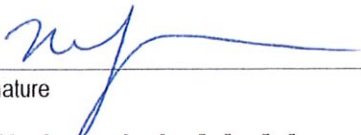
The Consultant understands and agrees as follows:

- a. The information provided herein is a material inducement to the Commission execution of the contract or other action with respect to which this Disclosure of Retained Parties form is being executed, and the Commission may rely on the information provided herein. Furthermore, if the Commission determines that any information provided herein is false, incomplete, or inaccurate, the Commission may terminate the contract or other transaction; terminate the Consultant's participation in the contract or other transactions with the Commission.

EXHIBIT C - DISCLOSURE OF RETAINED PARTIES

- b. If the Consultant is uncertain whether a disclosure is required, the Consultant must either ask the Commission's Representative or his or her manager whether disclosure is required or make the disclosure.
- c. This Disclosure of Retained Parties form, some or all of the information provided herein, and any attachments may be made available to the public on the Internet, in response to a Freedom of Information Act request, or otherwise. The Consultant waives and releases any possible rights or claims it may have against the Commission in connection with the public release of information contained in the completed Disclosure of Retained Parties form and any attachments.

Under penalty of perjury, I certify that I am authorized to execute this Disclosure of Retained Parties on behalf of the Consultant and that the information disclosed herein is true and complete.



Signature
Michael J. McMurray

Name (Type or Print)

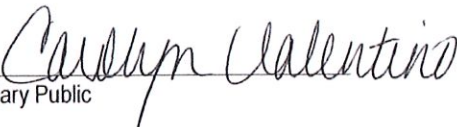
December 6, 2018

Date
President

Title

Subscribed and sworn to before me

this 6th day of Dec. 2018



Notary Public

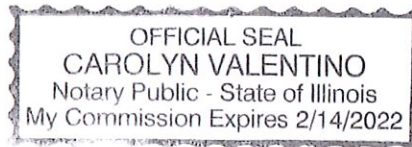


EXHIBIT D

SPECIAL CONDITIONS REGARDING THE UTILIZATION OF MBE and WBE FIRMS

EXHIBIT D FOLLOWS

EXHIBIT D

Special Conditions Regarding the Utilization Of Minority and Women Owned Business Enterprises for Professional Services

1. Policy Statement

- a. It is the policy of the Public Building Commission of Chicago ("PBC") to ensure competitive business opportunities for MBE and WBE firms in the performance of Contracts, to prohibit discrimination in the award of or participation in Contracts, and to abolish arbitrary barriers to full participation in Contracts by all persons, regardless of race, sex or ethnicity. Therefore, during the performance of this Contract, the Professional Service Provider must agree that it will not discriminate against any person or business on the basis of race, color, religion, ancestry, age, marital status, physical or mental handicap, unfavorable discharge from military service, parental status, sexual orientation, national origin or sex, in the solicitation or the purchase of goods and services or the subcontracting of work in the performance in this Contract.
- b. The Commission requires the Professional Service Provider also agree to take affirmative action to ensure that MBE and WBE firms have the maximum opportunity to compete for and perform subcontracts with respect to this Contract.
- c. The Commission requires the Professional Service Provider to notify MBE and WBE firms, utilized on this contract, about opportunities on contracts without affirmative action goals.

2. Aspirational Goals

- a. Upon the effective date of these Special Conditions, the bi-annual aspirational goals are to award 25% of the annual dollar value of all Commission Construction Contracts to certified MBEs and 5% of the annual dollar value of all Commission Construction Contracts to qualified WBEs.
- b. The contract specific goal for MBE/WBE participation is a minimum of 30% MBE/WBE. This goal may be met by participation of a MBE firm, WBE firm, or a combination of both.
- c. Further, the Professional Service Provider must agree to use its best efforts to include MBE and WBE firms in any Contract modification work that increases the Contract value. Where the proposed contract modification involves work which can be performed by MBEs and WBEs already performing work on the contract such MBEs and WBEs will participate in such work specified in the contract modification..
- d. Failure to carry out the commitments and policies set forth in this Program constitute a material breach of contract and may result in termination of the Professional Service Provider or such other remedy, as the Commission deems appropriate.

3. Definitions

- a. For purposes of this Special Condition, the following definitions applies:
 - (1) "Certified Minority Business Enterprise" means a person or entity granted certification by the City of Chicago or County of Cook.
 - (2) "Certified Women's Business Enterprise" means a person or entity granted certification by the City of Chicago or County of Cook.
 - (3) "Construction Contract" means a contract for the construction, repair, alteration, renovation or improvement of any building, facility or other structure.
 - (4) "Contract Specific Goals" means the subcontracting goals for MBE and WBE participation established for a particular contract based upon the availability of MBEs and WBEs to perform any anticipated scope of work of the contract and the Commission's progress towards meeting the aspirational goals.
 - (5) "Contractor" means any person or business entity that seeks to enter into a Construction Contract with the Commission and includes all partners, affiliates and joint ventures of such person or entity.
 - (6) "Established Business" means a person or entity granted certification by the City of Chicago.

- (7) "Executive Director" means the Executive Director of the Commission or his/her duly designated representative as appointed in writing.
- (8) "Good faith efforts" means actions undertaken by a Contractor to achieve a Contract Specific Goal that by their scope, intensity and appropriateness to the objective can reasonably be expected to fulfill the Program's requirements.
- (9) "Joint venture" means an association of two or more persons or entities or any combination of two or more business enterprises and persons numbering two or more, proposing to perform a single for-profit business enterprise, in which each joint venture partner contributes property, capital, efforts, skill and knowledge, and in which the MBE or WBE is responsible for a distinct, clearly-defined portion of the work of the contract and whose share in the capital contribution, control, management, risks and profits of the joint venture is equal to its ownership interest. Joint ventures must have an agreement in writing specifying the terms and conditions of the relationships between the parties and their relationship and responsibilities to the contract.
- (10) "Participating Established Business" means an established business which is eligible to participate in the minority- and women-owned business enterprise program set forth in Section 8 below.
- (11) "Professional Service Provider" means any person or business entity that seeks to enter into Professional Service Contract with the Commission and includes all partners affiliates, and joint ventures of such person or entity.
- (12) "Program" means the minority- and women-owned business enterprise construction procurement program established in this special condition.

4. Determining MBE/WBE Utilization

The methodology for determining MBE and WBE utilization will be determined for purposes of analysis with respect to this contract as follows:

- a. The total dollar value of the contract awarded to the certified MBE or WBE firm will be credited to such participation. Only minority business participation may be counted toward MBE participation and only women business participation may be counted toward WBE participation.
- b. The total dollar value of a contract with a firm owned and controlled by minority women is counted toward either the MBE or WBE goal, but not both. The Professional Service Provider employing the firm may choose the goal to which the contract value is applied. Various work done by one and the same sub-consultant will be considered, for the purpose of this principle, as work effectively done under one subcontract only, which sub-consultant may be counted toward only one of the goals, not toward both.
- c. A Professional Service Provider may count toward its MBE or WBE goal the portion of the total dollar value of a contract with an eligible joint venture equal to the percentage of the ownership and control of the MBE or WBE partner in the joint venture. A joint venture seeking to be credited for MBE participation may be formed among certified MBE and WBE firms, or between certified MBE and WBE firms and a non-MBE/WBE firm. A joint venture satisfies the eligibility standards of this Program if the certified MBE or WBE participant of the joint venture:
 - (1) Shares in the ownership, control, management responsibilities, risks and profits of the joint venture; and
 - (2) Is responsible for a clearly defined portion of work to be performed in proportion to the MBE or WBE ownership percentage.
- d. A Professional Service Provider may count toward its MBE and WBE goals only expenditures to firms that perform a commercially useful function in the work of a contract. A firm is considered to perform a commercially-useful function when it is responsible for execution of a distinct element of the work of a contract and carries out its responsibilities by actually performing, managing, and supervising the work involved. To determine whether a firm is performing a commercially useful function, the Commission will evaluate the amount of work subcontracted, industry practices and other relevant factors.
- e. Consistent with normal industry practices, a MBE or WBE firm may enter into subcontracts. If a MBE or WBE Professional Service Provider subcontracts a significantly greater portion of the work of a contract than would be expected on the basis of normal industry practices, the MBE or WBE will be rebuttably presumed not to be performing a commercially-useful function.
- f. A Professional Service Provider may count toward its goals expenditures to MBE or WBE manufacturers (i.e., suppliers that produce goods from raw materials or substantially alters them before resale).

- g. A Professional Service Provider may count toward its goals expenditures to MBE or WBE suppliers provided that the supplier performs a commercially useful function in the supply process.
5. Submission of Proposals
- a. The following schedules and documents constitute the Proposer's MBE/WBE compliance proposal and must be submitted at the time of the proposal.
- (1) Evidence of Certification: Affidavit of MBE/WBE. A copy of each proposed MBE and WBE firm's Letter of Certification from the City of Chicago, Department of Procurement Services or any other entity accepted by the Public Building Commission of Chicago must be submitted. The PBC accepts certification by the City of Chicago, and County of Cook.
 - (2) Schedule B: Affidavit of MBE/Non-MBE or WBE/Non-WBE Joint Ventures. Where the Proposer's MBE/WBE compliance proposal includes participation of any MBE or WBE as a joint venture participant, the Proposer must submit a "Schedule B: Affidavit of MBE/Non-MBE or WBE/Non-WBE Joint Venture" with an attached copy of the joint venture agreement proposed among the parties. The Schedule B and the joint venture agreement must clearly evidence that the MBE or WBE participant will be responsible for a clearly defined portion of the work to be performed and that the MBE or WBE firm's responsibilities are in proportion with its ownership percentage.
 - (3) Schedule C: Letter of Intent to Perform as a sub-consultant, Subconsultant, or Material Supplier, Schedule C, executed by the MBE/WBE firm (or Joint Venture sub-consultant) must be submitted by the Proposer for each MBE/WBE included on the Schedule D. Schedule C must accurately detail the work to be performed by the MBE or WBE firm and the agreed rates and prices to be paid.
 - (4) Schedule D: Affidavit of Prime Professional Service Provider Regarding MBE or WBE Utilization. A completed Schedule D committing to the utilization of each listed MBE or WBE firm. Unless the Proposer has submitted a completed request for a waiver of participation by MBE/WBE firms (See Request for Waiver procedures in Section 7), the Proposer must include the specific dollar amount or percentage of participation of each MBE/WBE firm listed on its Schedule D. The total dollar commitment to proposed MBE firms must at least equal the MBE goal, and the total dollar commitment to proposed WBE firms must at least equal the WBE goal. Proposers are responsible for calculating the dollar equivalent of MBE or WBE utilization as percentages of their total proposal.
- b. The submittals must have all blank spaces on the Schedule pages applicable to the contract correctly filled in. Agreements between a Proposer and a MBE/WBE in which the MBE/WBE promises not to provide subcontracting quotations to other Proposers are prohibited.
6. Evaluation of Compliance Proposals
- a. The Proposer's MBE/WBE compliance proposal will be evaluated by the Commission. The Proposer agrees to provide, upon request, earnest and prompt cooperation to the Executive Director or his / her designee in submitting to interviews that may be necessary, in allowing entry to places of business, in providing further documentation, or in soliciting the cooperation of a proposed MBE or WBE firm in providing such assistance. A proposal may be treated as non-responsive by reason of the determination that the Proposer's proposal did not contain a sufficient level of Certified MBE or WBE participation, that the Proposer was unresponsive or uncooperative when asked for further information relative to the proposal, or that false statements were made in the Schedules.
- b. If the Commission's review of a Proposer's proposal concludes that the MBE or WBE proposal was deficient, the Commission will promptly notify the Proposer of the apparent deficiency and instruct the Proposer to submit (within 3 business days of such notice given by the Commission) a modification of the MBE or WBE Proposal, in proper format, which remedies the deficiencies cited. Failure to correct all deficiencies cited by the Commission will be cause for rejection of the Proposer's proposal as non-responsive.
- c. Proposers will not be permitted to modify their MBE/WBE compliance proposal except insofar as directed to do so by the Commission. Therefore, all terms and conditions stipulated for prospective MBE and WBE consultants or suppliers should be satisfactorily negotiated prior to the submission to the Commission of the Proposer's MBE/WBE compliance proposal. If circumstances should arise, however, where a proposed MBE/WBE is no longer available, the process described in Section 12 should be followed.
- d. If the Compliance Proposal includes participation by material suppliers, the PBC will request copies of the offers from such suppliers. The offers must be furnished to the PBC within three (3) business days of the bidder's receipt of the request for such offers from the PBC. The PBC may make such request by electronic mail. The offers must specify: (i) the particular materials, equipment and/or supplies that will be furnished; (ii) the supplier's price for each of the items; (iii)

the total price of the items to be furnished by the supplier, (iv) the supplier's source for the items (e.g., manufacturer, wholesaler) and (v) the subcontractor that the supplies will be purchased by.

7. Request for Waiver

- a. If a Proposer is unable to identify qualified MBE and WBE firms to perform sufficient work to fulfill the MBE or WBE percentage goals for this Contract, the proposal must include a written request for waiver. A request for waiver must be sent to the Executive Director and must set forth the Proposer's inability to obtain sufficient MBE and WBE firms notwithstanding good faith attempts to achieve such participation.
- b. Good Faith efforts to achieve participation include but are not limited to:
 - (1) Attendance at the Pre-bid conference;
 - (2) Solicit certified MBE and WBE firms. Soliciting through reasonable and available means at least 50% of MBE and WBE firms certified in the anticipated scope(s) of work.
 - (3) The Bidder's general affirmative action policies regarding the utilization of MBE and WBE firms, plus a description of the methods used to carry out those policies;
 - (4) Advertise the contract opportunity in trade association newsletters, other media, and/or venues oriented toward and minority and woman-oriented;
 - (5) Timely notification (at least seven (7) days in advance of the bid due date) of specific sub-bid opportunities must be made to MBE and WBE firms and corresponding assistance agencies/ associations;
 - (6) Provide interested MBE and WBE firms with adequate information regarding the plans, specifications, and contract requirements in a timely manner;
 - (7) Make efforts to assist interested MBE and WBE firms in obtaining bonding, lines of credit, or insurance;
 - (8) Make efforts to assist interested MBE and WBE firms in obtaining necessary equipment, supplies, materials, or related assistance/services;
 - (9) Effectively use the services of the City; minority or women community organizations/assistance groups, and other organizations to provide assistance in the recruitment and placement of MBE and WBE firms.
 - (10) Negotiate in good faith with interested MBE/WBE firms and provide a description of direct negotiations with MBE and WBE firms for specific sub-bids, including:
 - i. The name, address and telephone number of MBE and WBE firms contacted;
 - ii. A description of the information provided to MBE and WBE firms regarding the portions of the work to be performed; and
 - iii. The reasons why additional MBE and WBE firms were not obtained in spite of negotiations.
 - (11) A statement of the efforts made to select portions of the work proposed to be performed by MBE and WBE firms (such as sub-supplier, transport, engineering, distribution, or any other roles contributing to production and delivery as specified in the contract) in order to increase the likelihood of achieving sub participation;
 - (12) Decision to reject MBE and WBE firms deemed unqualified must be sound and based on a thorough investigation of firms capabilities. As to each MBE and WBE contacted which the Bidder considers to be not qualified, a detailed statement of the reasons for the Bidder's conclusion;
 - (13) Efforts made by the Bidder to expand its search for MBE and/or WBE firms beyond usual geographic boundaries.
 - (14) Must take appropriate, documented steps to follow up initial solicitations with interested MBE and WBE firms.
 - (15) General efforts made to assist MBE and WBE firms to overcome participation barriers.
- c. The Executive Director, after review and evaluation of the request provided by the Bidder, may grant a waiver request upon the determination that:
 - (1) Sufficient qualified MBE and/or WBE firms capable of providing the goods or services required by the contract are unavailable despite the good faith efforts of the Bidder;

- (2) The price(s) quoted by potential MBE and/or WBE firms for goods or services is above competitive levels to an extent unwarranted by any increased cost of doing business attributable to the present effects of disadvantage or discrimination.

8. Established Business Participation in the MBE and WBE Procurement Program

- a. A local business entity which meets all the requirements to be certified as an MBE or WBE under this article except that it has become an established business may participate in the minority- and women-owned business enterprise program as follows:
 - (1) For a one-year period after the business entity has become an established business, only 75 percent of such business's participation in the Contract shall account for the MBE or WBE, as applicable, participation requirement set forth in Section 4;
 - (2) For a one-year period starting on the one-year anniversary of the date the business entity became an established business, only 50 percent of such business's participation in the Contract shall account for the MBE or WBE, as applicable, participation requirement set forth in Section 4.
 - (3) For a one-year period starting on the two-year anniversary of the date the business entity became an established business, only 25 percent of such business's participation in the Contract shall account for the MBE or WBE, as applicable, participation requirement set forth in Section 4.
- b. An Establish Business entity shall not be eligible to participate in the minority- and women-owned business enterprise procurement program starting on the three-year anniversary of the date the business entity became an established business.

9. Failure To Achieve Goals

- a. If the Contractor cannot achieve the contract specific goals, as the Project proceeds, it must have documented its good faith efforts to do so. In determining whether the contractor has made such good faith efforts, the performance of other contractors in meeting the goals may be considered. The Executive Director shall consider, at a minimum, the Contractor's efforts to do the following:
 - (1) Soliciting through reasonable and available means the interest of MBEs or WBEs that provide interested MBEs or WBEs with adequate information about the plans, specifications and requirements of the contract, including addenda, in a timely manner to assist them in responding to the solicitation.
 - (2) Provide interested MBEs or WBEs with adequate information about the plans, specifications and requirements of the contract, including addenda, in a timely manner to assist them in responding to the solicitation.
 - (3) Negotiating in good faith with interested MBEs or WBEs that have submitted bids. Documentation of negotiation must include the names, addresses and telephone numbers of MBEs or WBEs that were solicited; the date of each such solicitation; a description of the information provided regarding the plans and specifications for the work selected for subcontracting; and evidence as to why agreements could not be reached with MBEs or WBEs to perform the work. That there may be some additional costs involved in solicitation and using MBEs and WBEs is not a sufficient reason for a contractor's failure to meet the goals, as long as such costs are reasonable.
 - (4) Not rejecting MBEs or WBEs as being unqualified without sound reasons based on the thorough investigation of their capabilities. The MBEs' or WBEs' standing within its industry, membership in specific groups, organizations, or associations and political or social affiliations are not legitimate cases for rejecting or not soliciting bids to meet the goals.
 - (5) Making a portion of the work available to MBE or WBE subcontractors and suppliers and to select those portions of the work or material consistent with the available MBE or WBE subcontractors and suppliers, so as to facilitate meeting the goals.
 - (6) Making good faith efforts despite the ability or desire of a Contractor to perform the work of a contract with its own organization. A Contractor that desires to self-perform the work of a contract must demonstrate good faith efforts unless the goals have been met.
 - (7) Selecting portions of the work to be performed by MBEs or WBEs in order to increase the likelihood that the goals will be met. This includes, where appropriate, breaking out contract work items into economically feasible units to facilitate MBE or WBE participation even when the Contract might otherwise prefer to perform these items with its own forces.

- (8) Making efforts to assist interested MBEs or WBEs in obtaining bonding lines of credit or insurance as required by the Commission or Contractor.
 - (9) Making efforts to assist interested MBEs or WBEs in obtaining necessary equipment, supplies, materials or related assistance or services, including participation in a mentor-protégée program; and
 - (10) Effectively using the services of the Commission; minority or women community organizations; minority or women contractors' groups; local, state and federal minority or women business assistance offices; and other organizations to provide assistance in the recruitment and placement of MBEs or WBEs.
- b. In the event the Public Building Commission Procurement Officer determines that the Contractor did not make a good faith effort to achieve the goals, the Contractor may file a Dispute to the Executive Director as provided in the Section on Disputes.

10. Reporting and Record-Keeping Requirements

- a. The Professional Service Provider, within 5 working days of contract award, must execute a formal subcontract or purchase order in compliance with the terms of the Professional Service Provider's proposal and MBE/WBE assurances. Upon request by the PBC, the Professional Service Provider must provide copies of the contracts or purchase orders executed between it and the MBE and WBE firms. During the performance of the contract, the Professional Service Provider will submit partial and final waivers of lien from MBE and WBE sub-consultant and suppliers indicating the current payment amount and the cumulative dollar amount of payments made to date.
- b. The Professional Service Provider must maintain records of all relevant data with respect to the utilization of MBE and WBE firms, including without limitation payroll records, tax returns and records, and books of account in such detail as the Commission requires, and retain such records for a period of at least 3 years after final acceptance of the work. Full access to such records will be granted to the Commission and/or its designees, on 5 business days' notice in order for the Commission to determine the Professional Service Provider's compliance with its MBE and WBE commitments and the status of any MBE or WBE firm performing any portion of the contract.
- c. The Professional Service Provider will file regular MBE and WBE utilization reports on the form entitled "Status Report of MBE and WBE Sub-Contract Payments", at the time of submitting each monthly invoice. The report should indicate the current and cumulative payments to the MBE and WBE sub-contractors.

11. Disqualification of MBE or WBE

- a. The Contract may be terminated by the Executive Director upon the disqualification of the Professional Service Provider as an MBE or WBE if the sub-consultants status as an MBE or WBE was a factor in the award and such status was misrepresented by the Professional Service Provider.
- b. The Contract may be terminated by the Executive Director upon the disqualification of any MBE or WBE if the sub-consultants or supplier's status as an MBE or WBE was a factor in the award of the contract and the status of the sub-consultant or supplier was misrepresented by the Professional Service Provider. If the Professional Service Provider is determined not to have been involved in any misrepresentation of the status of the disqualified sub-consultant or supplier, the Professional Service Provider shall make good faith efforts to engage a qualified MBE or WBE replacement.

12. Prohibition On Changes To MBE/WBE Commitments

- a. The Professional Service Provider must not make changes to its contractual MBE and WBE commitments or substitute such MBE or WBE sub-consultants without the prior written approval of the Executive Director. Unauthorized changes or substitutions, including performing the work designated for a sub-consultant with the Professional Service Provider's own forces, is a violation of this section and a breach of the contract with the Commission, and may cause termination of the contract for breach, and/or subject the Professional Service Provider to contract remedies or other sanctions. The facts supporting the request must not have been known nor reasonably should have been known by the parties prior to entering into the subcontract.

13. MBE/WBE Substitution Requirements and Procedures

- a. Arbitrary changes by the Contractor of the commitments earlier certified in the Schedule D are prohibited. Further, after once entering into each approved MBE and WBE sub-contract agreement, the Contractor shall thereafter neither terminate the subcontract, nor reduce the scope of the work to be performed by the MBE or WBE, nor decrease the price to the MBE or WBE, without in each instance receiving the prior written approval of the Executive Director. In some cases, however, it may become necessary to substitute a new MBE or WBE in order to actually fulfill the MBE or WBE requirements. In such cases, the Executive Director must be given reasons justifying the release by the Contractor of

prior specific MBE or WBE commitments established in the contract, and will need to review the eligibility of the MBE or WBE presented as a substitute. The substitution procedure will be as follows:

- (1) If needed and in order to sustain the fulfillment of the MBE/WBE contract requirements, the Contractor must notify the Executive Director immediately in writing of an apparent necessity to reduce or terminate a MBE or WBE subcontract and to propose a substitute firm for some phase of work.
- (2) The Contractor's notification should include the specific reasons for the proposed substitution. Stated reasons which would be acceptable include any of the following reasons: a) unavailability after receipt of reasonable Notice to Proceed; b) failure of performance; c) financial incapacity; d) refusal by the subcontractor to honor the bid or proposal price or scope; e) mistake of fact or law about the elements of the scope of work of a solicitation where a reasonable price cannot be agreed; f) failure of the subcontractor to meet insurance, licensing or bonding requirements; g) the subcontractor's withdrawal of its bid or proposal; or h) decertification of the subcontractor as MBE or WBE.
- (3) The Contractor's position must be fully explained and supported with adequate documentation. Stated reasons which will not be acceptable include: replacement firm has been recruited to perform the same work under terms more advantageous to the Contractor; issues about performance by the committed MBE or WBE were disputed (unless every reasonable effort has already been taken to have the issues resolved or mediated satisfactorily); an MBE or WBE has requested reasonable price escalation which may be justified due to unforeseen circumstances.
- (4) The Contractor's notification should include the names, address and principal official of any proposed substitute MBE or WBE and the dollar value and scope of work of the proposed subcontract. Attached should be all the same MBE/WBE affidavits, documents and Letters of Intent which are required of the proposed MBE or WBE firms, as enumerated above in Section on Submission of Bid Proposals.
- (5) The Executive Director will evaluate the submitted documentation, and respond within fifteen (15) business days to the request for approval of a substitution. The response may be in the form of requesting more information, or requesting an interview to clarify or mediate the problem. In the case of an expressed emergency need to receive the necessary decision for the sake of job progress, the Executive Director will instead respond as soon as practicable.
- (6) Actual substitution of a replacement MBE or WBE to fulfill contract requirements must not be made before the Executive Director's approval is given of the acceptability of the substitute MBE or WBE. This subcontract must be executed within five (5) business days, and a copy of the MBE WBE subcontract with signatures of both parties to the agreement should be submitted immediately to the Executive Director.
 - i. The Executive Director will not approve extra payment for escalated costs incurred by the Contractor when a substitution of subcontractors becomes necessary for the Contractor in order to comply with MBE/WBE contract requirements.
 - ii. No relief of the MBE/WBE requirements will be granted by the Executive Director except in exceptional circumstances. Requests for complete or partial waiver of the MBE/WBE requirements of this contract must be made in writing, stating all details of the request, the circumstances, and any additional relevant information. The request must be accompanied by a record of all efforts taken by the Contractor to locate specific firms, solicit MBE and WBE bids, seek assistance from technical assistance agencies, and other good faith efforts undertaken to achieve compliance with the MBE/WBE goals.

14. Non-Compliance

- a. The Executive Director has the authority to apply suitable sanctions to the Professional Service Provider if the Professional Service Provider is found to be in non-compliance with the MBE and WBE requirements. Failure to comply with the MBE or WBE terms of this contract or failure to use MBE or WBE firms as stated in the Professional Service Provider's assurances constitutes a material breach of the contract, and may lead to the suspension or termination of the contract in part or in whole. In some cases, monthly progress payments may be withheld until corrective action is taken.
- b. When the contract is completed, if the Executive Director has determined that the Professional Service Provider did not comply in the fulfillment of the required MBE and/or WBE goals, and a grant of relief of the requirements was not obtained, the Commission will be damaged in the failure to provide the benefit of participation to minority or women business to the degree set forth in this Special Condition. In that case, the Commission may disqualify the Professional Service Provider from entering into future contracts with the Commission.

15. Severability

- a. If any section, subsection, paragraph, clause, provision or application of these Special Conditions is held invalid by any court, the invalidity of such section, paragraph, clause or provision will not affect any of the remaining provisions hereof.

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SCHEDULE B

Joint Venture Affidavit (1 of 3)

This form is not required if all joint venturers are MBE/Non-MBE or WBE/Non-WBE firms. In such case, however, a written joint venture agreement among the MBE/Non-MBE or WBE/Non-WBE firms should be submitted. Each MBE/WBE joint venturer must also attach a copy of their current certification letter.

A. Name of joint venture _____

B. Address of joint venture _____

C. Phone number of joint venture _____

D. Identify the firms that comprise the joint venture

1. Describe the role(s) of the MBE/WBE firm(s) in the joint venture. (Note that a "clearly defined portion of work" must here be shown as under the responsibility of the MBE/WBE firm.)

2. Describe very briefly the experience and business qualifications of each non-MBE/WBE joint venturer.

E. Nature of joint venture's business

F. Provide a copy of the joint venture agreement.

G. Ownership: What percentage of the joint venture is claimed to be owned by MBE/WBE? _____%

H. Specify as to:

1. Profit and loss sharing _____%

2. Capital contributions, including equipment _____%

3. Other applicable ownership interests, including ownership options or other agreements which restrict ownership or control.

SCHEDULE B
Joint Venture Affidavit (2 of 3)

4. Describe any loan agreements between joint venturers, and identify the terms thereof.

I. Control of and participation in this Contract: Identify by name, race, sex, and "firm" those individuals (and their titles) who are responsible for day-to-day management and policy decision making, including, but not limited to, those with prime responsibility for:

1. Financial decisions _____

2. Management decisions such as:

a. Estimating _____

b. Marketing and Sales _____

c. Hiring and firing of management personnel _____

d. Other _____

3. Purchasing of major items or supplies _____

4. Supervision of field operations _____

5. Supervision of office personnel _____

6. Describe the financial controls of the joint venture, e.g., will a separate cost center be established; which venturer will be responsible for keeping the books; how will the expense therefor be reimbursed; the authority of each joint venturer to commit or obligate the other. Describe the estimated contract cash flow for each joint venturer.

7. State approximate number of operational personnel, their craft and positions, and whether they will be employees of the majority firm or the joint venture.

J. Please state any material facts of additional information pertinent to the control and structure of this joint venture.

SCHEDULE B
Joint Venture Affidavit (3 of 3)

THE UNDERSIGNED SWEAR THAT THE FOREGOING STATEMENTS ARE CORRECT AND INCLUDE ALL MATERIAL INFORMATION NECESSARY TO IDENTIFY AND EXPLAIN THE TERMS AND OPERATIONS OF OUR JOINT VENTURE AND THE INTENDED PARTICIPATION BY EACH JOINT VENTURER IN THE UNDERTAKING. FURTHER, THE UNDERSIGNED COVENANT AND AGREE TO PROVIDE TO THE PUBLIC BUILDING COMMISSION OF CHICAGO CURRENT, COMPLETE AND ACCURATE INFORMATION REGARDING ACTUAL JOINT VENTURE WORK AND THE PAYMENT THEREFOR AND ANY PROPOSED CHANGES IN ANY OF THE JOINT VENTURE AGREEMENTS AND TO PERMIT THE AUDIT AND EXAMINATION OF THE BOOKS, RECORDS, AND FILES OF THE JOINT VENTURE, OR THOSE OF EACH JOINT VENTURER RELEVANT TO THE JOINT VENTURE, BY AUTHORIZED REPRESENTATIVES OF THE COMMISSION. ANY MATERIAL MISREPRESENTATION WILL BE GROUNDS FOR TERMINATING ANY CONTRACT WHICH MAY BE AWARDED AND FOR INITIATING ACTION UNDER FEDERAL OR STATE LAWS CONCERNING FALSE STATEMENTS.

Note: If, after filing this Schedule B and before the completion of the joint venture's work on this Contract, there is any significant change in the information submitted, the joint venture must inform the Public Building Commission of Chicago, either directly or through the Prime if the joint venture is a subcontractor.

Name of Joint Venturer

Name of Joint Venturer

Signature

Signature

Name

Name

Title

Title

Date

Date

State of _____ County of _____

State of _____ County of _____

On this _____ day of _____, 20____
before me appeared (Name)

On this _____ day of _____, 20____
before me appeared (Name)

to me personally known, who, being duly sworn,
did execute the foregoing affidavit, and did state
that he or she was properly authorized by
(Name of Joint Venture)

to me personally known, who, being duly sworn,
did execute the foregoing affidavit, and did state
that he or she was properly authorized by
(Name of Joint Venture)

to execute the affidavit and did so as his or her
free act and deed.

to execute the affidavit and did so as his or her
free act and deed.

Notary Public

Notary Public

Commission expires:
(SEAL)

Commission expires:
(SEAL)

SCHEDULE C

**Letter of Intent from MBE/WBE (1 of 2)
To Perform As
Subcontractor, Subconsultant, and/or Material Supplier**

Name of Project: _____

Project Number: _____

FROM:

_____ MBE _____ WBE _____
(Name of MBE or WBE)

TO:

_____ and Public Building Commission of Chicago
(Name of Bidder)

The undersigned intends to perform work in connection with the above-referenced project as (check one):

_____ a Sole Proprietor _____ a Corporation
_____ a Partnership _____ a Joint Venture

The MBE/WBE status of the undersigned is confirmed by the attached Letter of Certification, dated _____.
In addition, in the case where the undersigned is a Joint Venture with a non-MBE/WBE firm, a Schedule B, Joint Venture Affidavit, is provided.

The undersigned is prepared to provide the following described services or supply the following described goods in connection with the above-named project.

The above-described services or goods are offered for the following price, with terms of payment as stipulated in the Contract Documents.

SCHEDULE C
Letter of Intent from MBE/WBE (2 of 2)
To Perform As
Subcontractor, Subconsultant, and/or Material Supplier

PARTIAL PAY ITEMS

For any of the above items that are partial pay items, specifically describe the work and subcontract dollar amount:

If more space is needed to fully describe the MBE/WBE firm's proposed scope of work and/or payment schedule, attach additional sheet(s).

SUB-SUBCONTRACTING LEVELS

_____ % of the dollar value of the MBE/WBE subcontract will be sublet to non-MBE/WBE contractors.
_____ % of the dollar value of the MBE/WBE subcontract will be sublet to MBE/WBE contractors.

If MBE/WBE subcontractor will not be sub-subcontracting any of the work described in this Schedule, a zero (0) must be filled in each blank above. If more than 10% percent of the value of the MBE/WBE subcontractor's scope of work will be sublet, a brief explanation and description of the work to be sublet must be provided.

The Undersigned (Contractor) will enter into a formal agreement for the above work with the Bidder, conditioned upon its execution of a contract with the Public Building Commission of Chicago, and will do so within five (5) working days of receipt of a notice of Contract award from the Commission.

Additionally, the Undersigned certifies to the best of its knowledge and belief that it, its principals and any subcontractors used in the performance of this contract, meet the Agency requirements and have not violated any City or Sister Agency policy, codes, state, federal or local laws, rules or regulations and have not been subject to any debarment, suspension or other disciplinary action by any government agency. Additionally, if at any time the Contractor becomes aware of such information, it must immediately disclose it to the Commission.

BY:

Name of MBE/WBE Firm (Print)

Signature

Date

Name (Print)

Phone

IF APPLICABLE:
BY:

Joint Venture Partner (Print)

Signature

Date

Name (Print)
MBE ____ WBE ____ Non-MBE/WBE ____

Phone

EXHIBIT E

INSURANCE REQUIREMENTS

EXHIBIT E FOLLOWS



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 8/6/2019

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement.

Table with PRODUCER (Mesirow Insurance Services, Inc.), CONTACT NAME, PHONE (312) 595-6200, INSURER(S) AFFORDING COVERAGE (Travelers Indemnity, Travelers Property Casualty, etc.), and INSURED (Globetrotters Engineering Corporation).

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES.

Main table with columns: INSR LTR, TYPE OF INSURANCE, ADDL INSD, SUBR WVD, POLICY NUMBER, POLICY EFF, POLICY EXP, LIMITS. Includes rows for Commercial General Liability, Automobile Liability, Umbrella Liab, Workers Compensation, and Professional Liab.

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required) RE: : Constructability Review Services - PS3016

The Public Building Commission of Chicago, Board of Education of the City of Chicago, and the City of Chicago are all included as additional insureds on a primary and non-contributory basis for with regards to the General Liability, and Auto Liability when required by a written contract.

CERTIFICATE HOLDER CANCELLATION

Table with CERTIFICATE HOLDER (Public Building Commission of Chicago) and CANCELLATION (SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. Includes signature and date 08/15/2019).

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

BLANKET ADDITIONAL INSURED (ARCHITECTS, ENGINEERS AND SURVEYORS)

This endorsement modifies insurance provided under the following:
COMMERCIAL GENERAL LIABILITY COVERAGE PART

1. The following is added to SECTION II – WHO IS AN INSURED:

Any person or organization that you agree in a "written contract requiring insurance" to include as an additional insured on this Coverage Part, but:

- a. Only with respect to liability for "bodily injury", "property damage" or "personal injury"; and
- b. If, and only to the extent that, the injury or damage is caused by acts or omissions of you or your subcontractor in the performance of "your work" to which the "written contract requiring insurance" applies, or in connection with premises owned by or rented to you.

The person or organization does not qualify as an additional insured:

- c. With respect to the independent acts or omissions of such person or organization; or
- d. For "bodily injury", "property damage" or "personal injury" for which such person or organization has assumed liability in a contract or agreement.

The insurance provided to such additional insured is limited as follows:

- e. This insurance does not apply on any basis to any person or organization for which coverage as an additional insured specifically is added by another endorsement to this Coverage Part.
- f. This insurance does not apply to the rendering of or failure to render any "professional services".
- g. In the event that the Limits of Insurance of the Coverage Part shown in the Declarations exceed the limits of liability required by the "written contract requiring insurance", the insurance provided to the additional insured shall be limited to the limits of liability required by that "written contract requiring insurance". This endorsement does not increase the limits of insurance described in Section III – Limits Of Insurance.

- h. This insurance does not apply to "bodily injury" or "property damage" caused by "your work" and included in the "products-completed operations hazard" unless the "written contract requiring insurance" specifically requires you to provide such coverage for that additional insured, and then the insurance provided to the additional insured applies only to such "bodily injury" or "property damage" that occurs before the end of the period of time for which the "written contract requiring insurance" requires you to provide such coverage or the end of the policy period, whichever is earlier.

2. The following is added to Paragraph 4.a. of SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS:

The insurance provided to the additional insured is excess over any valid and collectible other insurance, whether primary, excess, contingent or on any other basis, that is available to the additional insured for a loss we cover. However, if you specifically agree in the "written contract requiring insurance" that this insurance provided to the additional insured under this Coverage Part must apply on a primary basis or a primary and non-contributory basis, this insurance is primary to other insurance available to the additional insured which covers that person or organizations as a named insured for such loss, and we will not share with the other insurance, provided that:

- (1) The "bodily injury" or "property damage" for which coverage is sought occurs; and
- (2) The "personal injury" for which coverage is sought arises out of an offense committed;

after you have signed that "written contract requiring insurance". But this insurance provided to the additional insured still is excess over valid and collectible other insurance, whether primary, excess, contingent or on any other basis, that is available to the additional insured when that person or organization is an additional insured under any other insurance.

COMMERCIAL GENERAL LIABILITY

3. The following is added to Paragraph 8., **Transfer Of Rights Of Recovery Against Others To Us**, of **SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS**:

We waive any right of recovery we may have against any person or organization because of payments we make for "bodily injury", "property damage" or "personal injury" arising out of "your work" performed by you, or on your behalf, done under a "written contract requiring insurance" with that person or organization. We waive this right only where you have agreed to do so as part of the "written contract requiring insurance" with such person or organization signed by you before, and in effect when, the "bodily injury" or "property damage" occurs, or the "personal injury" offense is committed.

4. The following definition is added to the **DEFINITIONS** Section:

"Written contract requiring insurance" means that part of any written contract under which you are required to include a person or organization as an additional insured on this Coverage Part, provided that the "bodily injury" and "property damage" occurs and the "personal injury" is caused by an offense committed:

- a. After you have signed that written contract;
- b. While that part of the written contract is in effect; and
- c. Before the end of the policy period.