

PROFESSIONAL SERVICES AGREEMENT

Professional Engineering and Design Services for Touhy Avenue Improvements from Elmhurst Road to Mount Prospect Road

BETWEEN



COOK COUNTY GOVERNMENT
Office of the Chief Procurement Officer

AND

Knight E/A, Inc.

CONTRACT NO. 1455-13465
Section No. 14-13018-01-EG

APPROVED BY BOARD OF
COOK COUNTY COMMISSIONERS

SEP 10 2014

COM. _____

PROFESSIONAL SERVICES AGREEMENT

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AGREEMENT

This Agreement is made and entered into by and between the County of Cook, a public body corporate of the State of Illinois, on behalf of Office of the Chief Procurement Officer hereinafter referred to as "County" and Knight E/A, Inc., doing business as a(an) Corporation of the State of Illinois hereinafter referred to as "Consultant", pursuant to authorization by the Cook County Board of Commissioners on _____, as evidenced by Board Authorization letter attached hereto as EXHIBIT "4".

BACKGROUND

The County of Cook issued a Request for Qualifications "RFQ" for Professional Engineering and Design Services for Touhy Avenue Improvements from Elmhurst Road to Mount Prospect Road. Proposals were evaluated in accordance with the evaluation criteria published in the RFQ. The Consultant was selected based on the proposal submitted and evaluated by the County representatives. Consultant represents that it has the professional experience and expertise to provide the necessary services and further warrants that it is ready, willing and able to perform in accordance with the terms and conditions as set forth in this Agreement.

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

TERMS AND CONDITIONS

ARTICLE 1) INCORPORATION OF BACKGROUND

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

ARTICLE 2) DEFINITIONS

a) Definitions

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

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

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

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

"**Department**" means the Cook County Using Department.

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

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

b) Interpretation

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

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

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

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

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

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

c) Incorporation of Exhibits

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

- Exhibit 1 Scope of Services
- Exhibit 2 Schedule of Compensation
- Exhibit 3 Evidence of Insurance
- Exhibit 4 Board Authorization

ARTICLE 3) DUTIES AND RESPONSIBILITIES OF CONSULTANT

a) Scope of Services

This description of Services is intended to be general in nature and is neither a complete description of Consultant's Services nor a limitation on the Services that Consultant is to provide under this Agreement. Consultant must provide the Services in accordance with the standards of performance set forth in Section 3c. The Services that Consultant must provide include, but are not limited to, those described in Exhibit 1, Scope of Services and Time Limits for Performance, which is attached to this Agreement and incorporated by reference as if fully set forth here.

b) Deliverables

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

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

Partial or incomplete Deliverables may be accepted for review only when required for a specific and well-defined purpose and when consented to in advance by the County. Such Deliverables will not be considered as satisfying the requirements of this Agreement and partial or incomplete Deliverables in no way relieve Consultant of its commitments under this Agreement.

c) Standard of Performance

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

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

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

d) Personnel

i) Adequate Staffing

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

ii) Key Personnel

Consultant must not reassign or replace Key Personnel without the written consent of the County, which consent the County will not unreasonably withhold. "**Key Personnel**" means

those job titles and the persons assigned to those positions in accordance with the provisions of this Section 3.d(ii). The Department may at any time in writing notify Consultant that the County will no longer accept performance of Services under this Agreement by one or more Key Personnel listed. Upon that notice Consultant must immediately suspend the services of the key person or persons and must replace him or them in accordance with the terms of this Agreement. A list of Key Personnel is found in Exhibit 1, Scope of Services.

iii) Salaries and Wages

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

e) Minority and Women's Business Enterprises Commitment

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

f) Insurance

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

i) **Insurance To Be Provided**

(1) Workers Compensation and Employers Liability

Workers Compensation Insurance, as prescribed by applicable law, covering all employees who are to provide a service under this Agreement and Employers Liability coverage with limits of not less than \$1,000,000 each accident or illness.

(2) Commercial General Liability (Primary and Umbrella)

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

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

(3) Automobile Liability (Primary and Umbrella)

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

(4) Professional Liability

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

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

(5) Valuable Papers

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

ii) **Additional Requirements**

(1) Consultant must furnish the County of Cook, Cook County, Office of the Chief Procurement Officer, 118 N, Clark St., Room 1018, Chicago, IL 60602, original Certificates of Insurance, or such similar evidence, to be in force on the date of this Agreement, and Renewal Certificates of Insurance, or such similar evidence, if the coverages have an expiration or renewal date occurring during the term of this Agreement. Consultant must submit evidence of insurance on the County Insurance Certificate Form (copy attached as Exhibit 3) or equivalent prior to Agreement award. The receipt of any certificate does not constitute agreement by the County that the insurance requirements in this Agreement have been fully met or that the insurance policies indicated on the certificate are in compliance with all Agreement requirements. The failure of the County to obtain certificates or other insurance evidence from Consultant is not a waiver by the County of any requirements for Consultant to obtain and maintain the specified coverages. Consultant must advise all insurers of the provisions in this Agreement regarding insurance. Non-conforming insurance does not relieve Consultant of the obligation to provide insurance as specified in this Agreement. Nonfulfillment of the insurance conditions may constitute a violation of this Agreement, and the County retains the right to terminate this Agreement or to suspend this Agreement until proper evidence of insurance is provided.

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

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

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

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

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

g) Indemnification

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

h) Confidentiality and Ownership of Documents

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

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

Contractor's possession, and any such loss or damage shall be restored at the expense of the Contractor. The County and its designees shall be afforded full access to the Documents and the work at all times.

i) Patents, Copyrights and Licenses

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

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

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

j) Examination of Records and Audits

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

The Contractor further agrees that it shall include in all of its subcontracts hereunder a provision to the effect that the subcontractor agrees that the Cook County Auditor or any of its duly authorized representatives shall, until expiration of three (3) years after final payment under the subcontract, have access and the right to examine any books, documents, papers, canceled checks, bank

statements, purveyor's and other invoices and records of such subcontractor involving transactions relating to the subcontract, or to such subcontractor's compliance with any term, condition or provision thereunder or under the Contract.

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

To the extent this Contract pertains to Deliverables which may be reimbursable under the Medicaid or Medicare Programs, Contractor shall retain and make available upon request, for a period of four (4) years after furnishing services pursuant to this Agreement, the contract, books, documents and records which are necessary to certify the nature and extent of the costs of such services if requested by the Secretary of Health and Human Services or the Comptroller General of the United States or any of their duly authorized representatives. If Contractor carries out any of its duties under the Agreement through a subcontract with a related organization involving a value of cost of \$10,000.00 or more over a 12 month period, Contractor will cause such subcontract to contain a clause to the effect that, until the expiration of four years after the furnishing of any service pursuant to said subcontract, the related organization will make available upon request of the Secretary of Health and Human Services or the Comptroller General of the United States or any of their duly authorized representatives, copies of said subcontract and any books, documents, records and other data of said related organization that

are necessary to certify the nature and extent of such costs. This paragraph relating to the retention and production of documents is included because of possible application of Section 1861(v)(1)(I) of the Social Security Act to this Agreement; if this Section should be found to be inapplicable, then this paragraph shall be deemed inoperative and without force and effect.

k) Subcontracting or Assignment of Contract or Contract Funds

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

Prior to the commencement of the Contract, the Contractor shall identify in writing to the Chief Procurement Officer the names of any and all subcontractors it intends to use in the performance of the Contract. The Chief Procurement Officer shall have the right to disapprove any subcontractor.

Identification of subcontractors to the Chief Procurement Officer shall be in addition to any communications with County offices other than the Chief Procurement Officer. All subcontractors shall be subject to the terms of this Contract. Contractor shall incorporate into all subcontracts all of the provisions of the Contract which affect such subcontract. Copies of subcontracts shall be provided to the Chief Procurement Officer upon request.

The Contractor must disclose the name and business address of each subcontractor, attorney, lobbyist, accountant, consultant and any other person or entity whom the Contractor has retained or expects to retain in connection with the Matter, as well as the nature of the relationship, and the total amount of the fees paid or estimated to be paid. The Contractor is not required to disclose employees who are paid or estimated to be paid. The Contractor is not required to disclose employees who are paid solely through the contractor's regular payroll. "Lobbyist" means any person or entity who undertakes to influence any legislation or administrative action on behalf of any person or entity other than: (1) a not-for-profit entity, on an unpaid basis, or (2), himself. "Lobbyist" also means any person or entity any part of whose duties as an employee of another includes undertaking to influence any legislative or administrative action. If the Contractor is uncertain whether a disclosure is required under this Section, the Contractor must either ask the County, whether disclosure is required or make the disclosure.

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

D) Professional Social Services

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

For purposes of this Section, a Professional Social Service Contract or Professional Social Service Agreement shall mean any contract or agreement with a social service provider, including other governmental agencies, nonprofit organizations, or for profit business enterprises engaged in the field of and providing social services, juvenile justice, mental health treatment, alternative sentencing, offender rehabilitation, recidivism reduction, foster care, substance abuse treatment,

domestic violence services, community transitioning services, intervention, or such other similar services which provide mental, social or physical treatment and services to individuals. Said Professional Social Service Contracts or Professional Social Service Agreements do not include CCHHS managed care contracts that CCHHS may enter into with health care providers.

ARTICLE 4) TERM OF PERFORMANCE

a) Term of Performance

This Agreement takes effect when approved by the Cook County Board and its term shall begin on October 1, 2014 ("**Effective Date**") and continue until September 30, 2019 or until this Agreement is terminated in accordance with its terms, whichever occurs first.

b) Timeliness of Performance

i) Consultant must provide the Services and Deliverables within the term and within the time limits required under this Agreement, pursuant to the provisions of Section 4.a and Exhibit 1. Further, Consultant acknowledges that TIME IS OF THE ESSENCE and that the failure of Consultant to comply with the time limits described in this Section 4.b may result in economic or other losses to the County.

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

c) Agreement Extension Option

The Chief Procurement Officer may at any time before this Agreement expires elect to extend this Agreement for up to zero (0) additional one-year period under the same terms and conditions as this original Agreement, except as provided otherwise in this Agreement, by notice in writing to Consultant. After notification by the Chief Procurement Officer, this Agreement must be modified to reflect the time extension in accordance with the provisions of Section 10.c.

ARTICLE 5) COMPENSATION

a) Basis of Payment

The County will pay Consultant according to the Schedule of Compensation in the attached Exhibit 2 for the successful completion of services.

b) Method of Payment

All invoices submitted by the Contractor shall be in accordance with the cost provisions according to the Schedule of Compensation in the attached Exhibit 2. The invoices shall contain a detailed description of the Deliverables for which payment is requested. All invoices shall reflect the amounts invoiced by and the amounts paid to the Contractor as of the date of the invoice, and shall be submitted together with a properly completed County Voucher form (29A). Invoices for new charges shall not include "past due" amounts, if any, which amounts must be set forth on a separate invoice. No payments shall be made with respect to invoices which do not include the County Voucher form or which otherwise fail to comply with the requirements of this paragraph. Contractor shall not be entitled to invoice the County for any late fees or other penalties.

c) Funding

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

d) Non-Appropriation

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

e) Taxes

Federal Excise Tax does not apply to materials purchased by the County by virtue of Exemption Certificate No. 36-75-0038K. Illinois Retailers' Occupation Tax, Use Tax and Municipal Retailers' Occupation Tax do not apply to deliverables, materials or services purchased by the County by virtue of statute. The price or prices quoted herein shall include any and all other federal and/or state, direct and/or indirect taxes which apply to this Contract. The County's State of Illinois Sales Tax Exemption Identification No. is E-9998-2013-05.

f) Price Reduction

If at any time after the contract award, Contractor makes a general price reduction in the price of any of the Deliverables, the equivalent price reduction based on similar quantities and/or

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

g) Contractor Credits

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

ARTICLE 6) DISPUTES

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

ARTICLE 7) COMPLIANCE WITH ALL LAWS

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

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

ARTICLE 8) SPECIAL CONDITIONS

a) Warranties and Representations

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

- i) warrants that Consultant is appropriately licensed under Illinois law to perform the Services required under this Agreement and will perform no Services for which a professional license is required by law and for which Consultant is not appropriately licensed;
- ii) warrants it is financially solvent; it and each of its employees, agents and Subcontractors of any tier are competent to perform the Services required under this Agreement; and Consultant is legally authorized to execute and perform or cause to be performed this Agreement under the terms and conditions stated in this Agreement;
- iii) warrants that it will not knowingly use the services of any ineligible consultant or Subcontractor for any purpose in the performance of its Services under this Agreement;
- iv) warrants that Consultant and its Subcontractors are not in default at the time this Agreement is signed, and have not been considered by the Chief Procurement Officer to have, within 5 years immediately preceding the date of this Agreement, been found to be in default on any contract awarded by the County ;
- v) represents that it has carefully examined and analyzed the provisions and requirements of this Agreement; it understands the nature of the Services required; from its own analysis it has satisfied itself as to the nature of all things needed for the performance of this Agreement; this Agreement is feasible of performance in accordance with all of its provisions and requirements, and Consultant warrants it can and will perform, or cause to be performed, the Services in strict accordance with the provisions and requirements of this Agreement;
- vi) represents that Consultant and, to the best of its knowledge, its Subcontractors are not in violation of the provisions of the Illinois Criminal Code, 720 ILCS 5/33E as amended; and
- vii) acknowledges that any certification, affidavit or acknowledgment made under oath in connection with this Agreement is made under penalty of perjury and, if false, is also cause for termination under Sections 9.a and 9.c.

b) Ethics

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

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

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

c) Joint and Several Liability

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

d) Business Documents

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

e) Conflicts of Interest

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

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

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

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

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

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

f) Non-Liability of Public Officials

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

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

a) Events of Default Defined

The following constitute events of default:

- i) Any material misrepresentation, whether negligent or willful and whether in the inducement or in the performance, made by Consultant to the County.
- ii) Consultant's material failure to perform any of its obligations under this Agreement including the following:
 - (a) Failure due to a reason or circumstances within Consultant's reasonable control to perform the Services with sufficient personnel and equipment or with sufficient material to ensure the performance of the Services;
 - (b) Failure to perform the Services in a manner reasonably satisfactory to the Chief Procurement Officer or inability to perform the Services satisfactorily as a result of insolvency, filing for bankruptcy or assignment for the benefit of creditors;
 - (c) Failure to promptly re-perform within a reasonable time Services that were rejected as erroneous or unsatisfactory;
 - (d) Discontinuance of the Services for reasons within Consultant's reasonable control; and
 - (e) Failure to comply with any other material term of this Agreement, including the provisions concerning insurance and nondiscrimination.
- iii) Any change in ownership or control of Consultant without the prior written approval of the Chief Procurement Officer, which approval the Chief Procurement Officer will not unreasonably withhold.
- iv) Consultant's default under any other agreement it may presently have or may enter into with the County during the life of this Agreement. Consultant acknowledges and agrees that in the event of a default under this Agreement the County may also declare a default under any such other Agreements.
- (v) Failure to comply with Article 7 in the performance of the Agreement.

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

b) Remedies

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

The Chief Procurement Officer will give Consultant written notice of the default, either in the form of a cure notice ("**Cure Notice**"), or, if no opportunity to cure will be granted, a default notice ("**Default Notice**"). If the Chief Procurement Officer gives a Default Notice, he will also indicate any present intent he may have to terminate this Agreement, and the decision to terminate (but not the decision not to terminate) is final and effective upon giving the notice. The Chief Procurement Officer may give a Default Notice if Consultant fails to effect a cure within the cure period given in a Cure Notice. When a Default Notice with intent to terminate is given as provided in this Section 9.b and Article 11, Consultant must discontinue any Services, unless otherwise directed in the notice, and deliver all materials accumulated in the performance of this Agreement, whether completed or in the process, to the County. After giving a Default Notice, the County may invoke any or all of the following remedies:

- i) The right to take over and complete the Services, or any part of them, at Consultant's expense and as agent for Consultant, either directly or through others, and bill Consultant for the cost of the Services, and Consultant must pay the difference between the total amount of this bill and the amount the County would have paid Consultant under the terms and conditions of this Agreement for the Services that were assumed by the County as agent for the Consultant under this Section 9.b;
- ii) The right to terminate this Agreement as to any or all of the Services yet to be performed effective at a time specified by the County;
- iii) The right of specific performance, an injunction or any other appropriate equitable remedy;
- iv) The right to money damages;
- v) The right to withhold all or any part of Consultant's compensation under this Agreement;

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

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

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

c) Early Termination

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

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

Consultant must include in its contracts with Subcontractors an early termination provision in form and substance equivalent to this early termination provision to prevent claims against the

County arising from termination of subcontracts after the early termination. Consultant will not be entitled to make any early termination claims against the County resulting from any Subcontractor's claims against Consultant or the County to the extent inconsistent with this provision.

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

d) Suspension

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

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

e) Right to Offset

i) In connection with performance under this Agreement:

The County may offset any excess costs incurred:

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

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

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

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

f.) Delays

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

g.) Prepaid Fees

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

ARTICLE 10) GENERAL CONDITIONS

a) Entire Agreement

i) General

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

ii) No Collateral Agreements

Consultant acknowledges that, except only for those representations, statements or promises expressly contained in this Agreement and any exhibits attached to it and incorporated by reference in it, no representation, statement or promise, oral or in writing, of any kind whatsoever, by the County, its officials, agents or employees, has induced Consultant to enter into this Agreement or has been relied upon by Consultant, including any with reference to: (i) the meaning, correctness, suitability or completeness of any provisions or requirements of this Agreement; (ii) the nature of the Services to be performed; (iii) the nature, quantity, quality or volume of any materials, equipment, labor and other facilities needed for the performance of this

Agreement; (iv) the general conditions which may in any way affect this Agreement or its performance; (v) the compensation provisions of this Agreement; or (vi) any other matters, whether similar to or different from those referred to in (i) through (vi) immediately above, affecting or having any connection with this Agreement, its negotiation, any discussions of its performance or those employed or connected or concerned with it.

iii) **No Omissions**

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

b) **Counterparts**

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

c) **Modifications and Amendments**

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

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

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

Contractor is hereby notified that, except for modifications and amendments which are made in accordance with this GC-10, Modifications and Amendments, no County department or employee thereof has authority to make any modification or amendment to this Contract.

d) Governing Law and Jurisdiction

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

e) Severability

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

f) Assigns

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

g) Cooperation

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

h) Waiver

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

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

i) Independent Contractor

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

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

- i) The County will not be liable under or by reason of this Agreement for the payment of any compensation award or damages in connection with the Consultant performing the Services required under this Agreement.
- ii) Consultant is not entitled to membership in the County Pension Fund, Group Medical Insurance Program, Group Dental Program, Group Vision Care, Group Life Insurance Program, Deferred Income Program, vacation, sick leave, extended sick leave, or any other benefits ordinarily provided to individuals employed and paid through the regular payrolls of the County.
- iii) The County is not required to deduct or withhold any taxes, FICA or other deductions from any compensation provided to the Consultant.

j) Governmental Joint Purchasing Agreement

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

ARTICLE 11) NOTICES

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

If to the County: Cook County,
Department of Transportation and Highways
69 W. Washington, 23rd Floor
Chicago, Illinois 60602
Attention: Department Director

and

Cook County Chief Procurement Officer
118 North Clark Street. Room 1018
Chicago, Illinois 60602
(Include County Contract Number on all notices)

If to Consultant: Knight E/A, Inc.
221 N. LaSalle Street, Suite 300
Chicago, IL 60601
Attention: Mr. Kevin Lentz, President

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

ARTICLE 12) AUTHORITY

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

EXHIBIT 1

Scope of Services

**SCOPE OF DESIGN SERVICES
TOUHY AVENUE (IL-72), FROM ELMHURST AVENUE TO MOUNT PROSPECT ROAD
COOK COUNTY, ILLINOIS**

I. PROJECT DESCRIPTION

This PROJECT is to provide design engineering services for preparation of contract plans and specifications and project related permits for the proposed construction of Touhy Ave (IL-72) between Elmhurst Road and Mount Prospect Road within Cook County, Illinois. The CONSULTANT may prepare contract documents for one or more construction packages. The Touhy Ave (IL-72) corridor construction is associated with the Elgin O'Hare Western Access (EOWA) project as part of the Illinois Tollway's (TOLLWAY) *Move Illinois* Program. Phase I engineering studies and concept design plans for the Touhy Ave corridor have been prepared by others as part of the overall EOWA project.

The PROJECT consists of three major construction elements that are depicted in the attached "Touhy (IL 72) Construction Elements" graphic. A brief description of each construction segment, as well as the anticipated source funding for each, is provided below:

A. Elmhurst Road and Touhy Avenue Intersection

Construction of this segment includes rehabilitation and median improvements to existing local and arterial roadways at the existing Elmhurst Road and Touhy Avenue intersection, widening of northbound Elmhurst Road, traffic signal improvements/installation, as well as construction of the quadrant bypass connector roadway from Old Higgins Road to Touhy Avenue. The majority of these improvements are eligible for CMAQ funding, and this segment is expected to be CMAQ and local match funded.

B. Touhy Avenue over Union Pacific Railroad (UPRR)

Construction of this segment includes construction of a new grade separation carrying Touhy Avenue over the UPRR, as well as potential realignment and reconstruction of the Touhy Avenue and Mount Prospect Road intersection as required to accommodate the new grade separation. These improvements are eligible for CMAQ funding, and this segment is expected to be CMAQ and local match funded.

C. Touhy Avenue over West Bypass

This segment includes construction of improvements to approximately 1100 ft of Touhy Avenue between the two CMAQ funded sections. The scope of improvements in this segment includes construction of a new grade separation carrying Touhy Avenue over the future West Bypass. This portion of the work is not CMAQ funding eligible and would be funded by the Tollway.

II. ITEMS OF WORK TO BE INCLUDED IN CONTRACT

The CONSULTANT services under the CONTRACT shall consist of the preparation of contract plans and specifications for the above described project, together with the identification of potential utility conflicts as per the requirements of the respective jurisdictional agencies.

The design criteria and policies, Standard Specifications, materials and construction requirements of IDOT shall apply to all portions of the improvement under IDOT jurisdiction. The design criteria and policies, Standard Specifications, materials and construction requirements of the Illinois State Toll Highway Authority shall apply to all portions of the improvement under TOLLWAY jurisdiction. The design criteria and policies, materials and construction requirements of other applicable local agency criteria shall apply outside the IDOT and TOLLWAY jurisdiction area. Multiple agencies criteria/jurisdiction is involved with this project.

More specifically, the project improvements require design tasks for which design services shall be provided by the CONSULTANT to include, but not be limited to the following:

A. CONCEPT DESIGN REQUIREMENTS

The CONSULTANT will be responsible for reviewing the Phase I Engineering documents completed to date as referenced above. The CONSULTANT review shall include, but not necessarily be limited to the following:

1. Project scope.
2. Project budget.
3. Project schedule. The CONSULTANT shall confirm or provide a recommendation as to the construction schedule for proposed construction contract packages within the contract limits.
4. Project concept review including geometrics, materials, maintenance of traffic, drainage, number of construction contracts, design criteria, cost benefit analysis, alternatives analysis and all other appurtenant and miscellaneous items.
5. Design Criteria Review.
6. Design Exceptions prepared to date.
7. Review of utility coordination and utilities studies performed to date, perform a field review and submit Notice of Interference forms. The CONSULTANT is responsible for Utility Coordination in accordance with the CONSULTANT Manual.
8. Review of Phase I environmental documents (including Tier Two EIS) to confirm potential issues related to biological, cultural, noise, air, hazardous/special waste,

ECONOMIC DISCLOSURE STATEMENT
ECONOMIC DISCLOSURE STATEMENT
AND EXECUTION DOCUMENT
INDEX

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ECONOMIC DISCLOSURE STATEMENT**INSTRUCTIONS FOR COMPLETION OF
ECONOMIC DISCLOSURE STATEMENT AND EXECUTION DOCUMENT**

This Economic Disclosure Statement and Execution Document ("EDS") is to be completed and executed by every Bidder on a County contract, every party responding to a Request for Proposals or Request for Qualifications ("Proposer"), and others as required by the Chief Procurement Officer. If the Undersigned is awarded a contract pursuant to the procurement process for which this EDS was submitted (the "Contract"), this Economic Disclosure Statement and Execution Document shall stand as the Undersigned's execution of the Contract.

Definitions. Capitalized terms used in this EDS and not otherwise defined herein shall have the meanings given to such terms in the Instructions to Bidders, General Conditions, Request for Proposals, Request for Qualifications, or other documents, as applicable.

"Affiliated Entity" means a person or entity that, directly or indirectly: controls the Bidder, is controlled by the Bidder, or is, with the Bidder, under common control of another person or entity. Indicia of control include, without limitation, interlocking management or ownership; identity of interests among family members; shared facilities and equipment; common use of employees; and organization of a business entity following the ineligibility of a business entity to do business with the County under the standards set forth in the Certifications included in this EDS, using substantially the same management, ownership or principals as the ineligible entity.

"Bidder," "Proposer," "Undersigned," or "Applicant," is the person or entity executing this EDS. Upon award and execution of a Contract by the County, the Bidder, Proposer, Undersigned or Applicant, as the case may be, shall become the Contractor or Contracting Party.

"Proposal," for purposes of this EDS, is the Undersigned's complete response to an RFP/RFQ, or if no RFQ/RFP was issued by the County, the "Proposal" is such other proposal, quote or offer submitted by the Undersigned, and in any event a "Proposal" includes this EDS .

"Code" means the Code of Ordinances, Cook County, Illinois available through the Cook County Clerk's Office website (<http://www.cookctyclerk.com/sub/ordinances.asp>). This page can also be accessed by going to www.cookctyclerk.com, clicking on the tab labeled "County Board Proceedings," and then clicking on the link to "Cook County Ordinances."

"Contractor" or "Contracting Party" means the Bidder, Proposer or Applicant with whom the County has entered into a Contract.

"EDS" means this complete Economic Disclosure Statement and Execution Document, including all sections listed in the Index and any attachments.

"Lobby" or "lobbying" means to, for compensation, attempt to influence a County official or County employee with respect to any County matter.

"Lobbyist" means any person or entity who lobbies.

"Prohibited Acts" means any of the actions or occurrences which form the basis for disqualification under the Code, or under the Certifications hereinafter set forth.

Sections 1 through 3: MBE/WBE Documentation. Sections 1 and 2 must be completed in order to satisfy the requirements of the County's MBE/WBE Ordinance, as set forth in the Contract Documents, if applicable. If the Undersigned believes a waiver is appropriate and necessary, Section 3, the Petition for Waiver of MBE/WBE Participation must be completed.

Section 4: Certifications. Section 4 sets forth certifications that are required for contracting parties under the Code. Execution of this EDS constitutes a warranty that all the statements and certifications contained, and all the facts stated, in the Certifications are true, correct and complete as of the date of execution.

Section 5: Economic and Other Disclosures Statement. Section 5 is the County's required Economic and Other Disclosures Statement form. Execution of this EDS constitutes a warranty that all the information provided in the EDS is true, correct and complete as of the date of execution, and binds the Undersigned to the warranties, representations, agreements and acknowledgements contained therein.

ECONOMIC DISCLOSURE STATEMENT

MBE/WBE UTILIZATION PLAN (SECTION 1)

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

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

- Bidder/Proposer is a certified MBE or WBE firm. (If so, attach copy of appropriate Letter of Certification)
- Bidder/Proposer is a Joint Venture and one or more Joint Venture partners are certified MBEs or WBEs. (If so, attach copies of Letter(s) of Certification, a copy of Joint Venture Agreement clearly describing the role of the MBE/WBE firm(s) and its ownership interest in the Joint Venture and a completed Joint Venture Affidavit – available from the Office of Contract Compliance)
- Bidder/Proposer is not a certified MBE or WBE firm, nor a Joint Venture with MBE/WBE partners, but will utilize MBE and WBE firms either directly or indirectly in the performance of the Contract. (If so, complete Sections II and III).

II. Direct Participation of MBE/WBE Firms Indirect Participation of MBE/WBE Firms

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

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

MBE/WBE Firm: American Surveying and Engineering, PC
 Address: 105 W. Madison St., Suite 1700, Chicago, IL 60602
 E-mail: c.fidis@americansurvey.com
 Contact Person: Coventine Fidis Phone: 312-277-2000

Dollar Amount Participation: \$ 381,868.94
 Percent Amount of Participation: 8.58% %

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

MBE/WBE Firm: Rubinos and Mesia, Inc.
 Address: 200 S. Michigan Ave, Suite 1500, Chicago, IL 60604
 E-mail: DShah@RME-i.com
 Contact Person: Dipak S. Shah, SE, PE Phone: 312-870-6600

Dollar Amount Participation: \$ 300,764.51
 Percent Amount of Participation: 6.77% %

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

Attach additional sheets as needed.

*Additionally, all Letters of Intent, Letters of Certification and documentation of Good Faith Efforts omitted from this bid/proposal must be submitted to the Office of Contract Compliance so as to assure receipt by the Contract Compliance Administrator not later than three (3) business days after the Bid Opening date.

ECONOMIC DISCLOSURE STATEMENT

MBE/WBE UTILIZATION PLAN (SECTION 1)

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

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

- Bidder/Proposer is a certified MBE or WBE firm. (If so, attach copy of appropriate Letter of Certification)
- Bidder/Proposer is a Joint Venture and one or more Joint Venture partners are certified MBEs or WBEs. (If so, attach copies of Letter(s) of Certification, a copy of Joint Venture Agreement clearly describing the role of the MBE/WBE firm(s) and its ownership interest in the Joint Venture and a completed Joint Venture Affidavit – available from the Office of Contract Compliance)
- Bidder/Proposer is not a certified MBE or WBE firm, nor a Joint Venture with MBE/WBE partners, but will utilize MBE and WBE firms either directly or indirectly in the performance of the Contract. (If so, complete Sections II and III).

II. Direct Participation of MBE/WBE Firms Indirect Participation of MBE/WBE Firms

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

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

MBE/WBE Firm: Singh and Associates. Inc.

Address: 230 W. Monroe St., Ste. 1400, Chicago, IL 60606

E-mail: singh@singhinc.com

Contact Person: S. Singh Rikhiraj, PE Phone: 312.629.0240

Dollar Amount Participation: \$ 126,039.33

Percent Amount of Participation: 2.83% %

*Letter of Intent attached? Yes No

*Letter of Certification attached? Yes No

MBE/WBE Firm: Terra Engineering, LTD

Address: 225 W. Ohio Street, Chicago, IL 60654

E-mail: ksteingraber@terraengineering.com

Contact Person: Karen Steingraber Phone: 312-467-0123

Dollar Amount Participation: \$ 128617.05

Percent Amount of Participation: 2.89% %

*Letter of Intent attached? Yes No

*Letter of Certification attached? Yes No

Attach additional sheets as needed.

***Additionally, all Letters of Intent, Letters of Certification and documentation of Good Faith Efforts omitted from this bid/proposal must be submitted to the Office of Contract Compliance so as to assure receipt by the Contract Compliance Administrator not later than three (3) business days after the Bid Opening date.**

ECONOMIC DISCLOSURE STATEMENT

MBE/WBE UTILIZATION PLAN (SECTION 1)

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

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

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

_____ Bidder/Proposer is a Joint Venture and one or more Joint Venture partners are certified MBEs or WBEs. (If so, attach copies of Letter(s) of Certification, a copy of Joint Venture Agreement clearly describing the role of the MBE/WBE firm(s) and its ownership interest in the Joint Venture and a completed Joint Venture Affidavit – available from the Office of Contract Compliance)

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

II. Direct Participation of MBE/WBE Firms _____ Indirect Participation of MBE/WBE Firms

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

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

MBE/WBE Firm: The Roderick Group

Address: 921 West Van Buren Street; Ste 210, Chicago, IL 60607

E-mail: rashod@rodgrp.com

Contact Person: Rashod Johnson Phone: 312-624-0190

Dollar Amount Participation: \$ 200,032.96
4.5%

Percent Amount of Participation: _____ %

*Letter of Intent attached? Yes No _____

*Letter of Certification attached? Yes No _____

MBE/WBE Firm: Wang Engineering

Address: 1145 North Main Street, Lombard, IL 60148

E-mail: pwang@wnageng.com

Contact Person: Paul Wang Phone: 630-953-9928

Dollar Amount Participation: \$ 444,523.76

Percent Amount of Participation: 9.99% %

*Letter of Intent attached? Yes No _____

*Letter of Certification attached? Yes No _____

Attach additional sheets as needed.

***Additionally, all Letters of Intent, Letters of Certification and documentation of Good Faith Efforts omitted from this bid/proposal must be submitted to the Office of Contract Compliance so as to assure receipt by the Contract Compliance Administrator not later than three (3) business days after the Bid Opening date.**

ECONOMIC DISCLOSURE STATEMENT

COOK COUNTY GOVERNMENT LETTER OF INTENT (SECTION 2)

M/WBE Firm: American Surveying and Engineering, PC Certifying Agency: Cook County

Address: 105 W. Madison St., Suite 1700 Certification Expiration Date: 9/1/2014

City/State: Chicago, IL Zip: 60602 FEIN #: 36-3307274

Phone: 312-277-2000 Fax: 312-277-2002 Contact Person: Coventine Fidis

Email: c.fidis@americansurvey.com Contract #: RFQ No. 1455-13465

Participation: X Direct Indirect

Will the M/WBE firm be subcontracting any of the performance of this contract to another firm?

No X Yes If "Yes", please attach explanation. Proposed Subcontractor:

The undersigned M/WBE is prepared to provide the following Commodities/Services for the above named Project/ Contract:

Survey and Engineering Support as Required

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

8.58% (\$381,868.94) actual cost plus fixed fee basis.

(If more space is needed to fully describe M/WBE Firm's proposed scope of work and/or payment schedule, attach additional sheets)

THE UNDERSIGNED PARTIES AGREE that this Letter of Intent will become a binding Subcontract Agreement conditioned upon the Bidder/Proposer's receipt of a signed contract from the County of Cook. The Undersigned Parties do also certify that they did not affix their signatures to this document until all areas under Description of Service/ Supply and Fee/Cost were completed.

[Signature of Coventine Fidis]

Signature (M/WBE) Coventine Fidis

Print Name American Surveying & Engineering, P.C.

Firm Name 8/20/2014

Date

Subscribed and sworn before me this 20th day of August, 20 14.

Notary Public Rosemary Flowers

SEAL



[Signature of Kevin E. Lentz]

Signature (Prime Bidder/Proposer) Kevin E. Lentz, PE

Print Name Knight E/A, Inc.

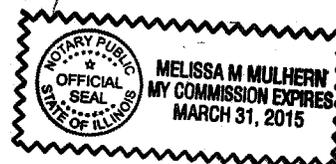
Firm Name 8/20/14

Date

Subscribed and sworn before me this 20th day of August, 20 14.

Notary Public [Signature]

SEAL





City of Chicago
Richard M. Daley, Mayor

Department of
Procurement Services

Montel M. Gayles
Chief Procurement Officer

City Hall, Room 403
121 North LaSalle Street
Chicago, Illinois 60602
(312) 744-4900
(312) 744-2949 (TTY)

<http://www.cityofchicago.org>

January 26, 2009

Mr. Covertine Fidis
American Surveying and Engineering, P.C.
8604 W. Catalpa Avenue, Suite 912
Chicago, IL 60656

Annual Certificate Expires: February 1, 2010
Vendor Number: 1009524

Dear Mr. Fidis:

We are pleased to inform you that **American Surveying and Engineering, P.C.** has been certified as a **MBE** by the City of Chicago. This **MBE** certification is valid until **February 1, 2014**; however your firm must be re-validated annually. Your firm's next annual validation is required by **February 1, 2010**.

As a condition of continued certification during this five year period, you must file a No-Change Affidavit **within 60 days prior** to the date of expiration. Failure to file this Affidavit will result in the termination of your certification. **Please note that you must include a copy of your most current Federal Corporate Tax Return.** You must also notify the City of Chicago of any changes in ownership or control of your firm or any other matters or facts affecting your firm's eligibility for certification.

The City may commence action to remove your firm's eligibility if you fail to notify us of any changes of facts affecting your firm's certification or if your firm otherwise fails to cooperate with the City in any inquiry or investigation. Removal of eligibility procedures may also be commenced if your firm is found to be involved in bidding or contractual irregularities.

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

Surveying Consultants

Your firm's participation on City contracts will be credited only toward **MBE** goals in your area(s) of specialty. While your participation on City contracts is not limited to your specialty, credit toward **MBE** goals will be given only for work done in the specialty category.

Thank you for your continued interest in the City's Minority and Women Business Enterprise Programs.

Sincerely,

Mark J. Hands
Managing Deputy Procurement Officer





DEPARTMENT OF PROCUREMENT SERVICES
CITY OF CHICAGO

July 18, 2014,

Conentine Fidis
American Surveying & Engineering, P.C.
105 W. Madison, Ste. 1700
Chicago, IL 60602

Email: c.fidis@americansurvey.com

Dear Mr. Fidis,

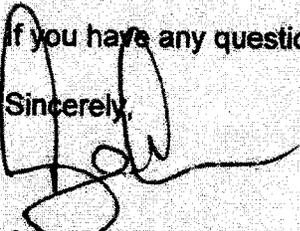
This letter is to inform you that the City of Chicago has extended your status as **Minority Business Enterprise (MBE) until October 31, 2014**. We are providing this extension to allow enough time to provide any additional documentation that your application may be missing and for our office to complete our review of all of the submitted documents.

This extension does not guarantee eligibility in the program but will act as a courtesy extension until we receive all of the required documentation and complete a review of that documentation.

Please present this letter and copy of your last certification letter as evidence of your certification to be included with bid document submittals as needed.

If you have any questions, please feel free to contact our office at (312) 744-1929.

Sincerely,


George Coleman Jr.
Deputy Procurement Officer

GC/at

THE BOARD OF COMMISSIONERS

TONI PRECKWINKLE

PRESIDENT

EARLEAN COLLINS	1st Dist.	PETER N. SILVESTRI	9th Dist.
ROBERT STEELE	2nd Dist.	BRIDGET GAINER	10th Dist.
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WILLIAM M. BEAVERS	4th Dist.	JOHN A. FRITCHEY	12th Dist.
DEBORAH SIMS	5th Dist.	LARRY SUFFREDIN	13th Dist.
JOAN PATRICIA MURPHY	6th Dist.	GREGG GOSLIN	14th Dist.
JESUS G. GARCIA	7th Dist.	TIMOTHY O. SCHNEIDER	15th Dist.
EDWIN REYES	8th Dist.	JEFFREY R. TOBOLSKI	16th Dist.
		ELIZABETH ANN DODDY GORMAN	17th Dist.



COOK COUNTY
OFFICE OF CONTRACT COMPLIANCE

LAVERNE HALL
DIRECTOR

118 North Clark Street, Room 1020
Chicago, Illinois 60602-1304
TEL (312) 603-5502
FAX (312) 603-4547

July 3, 2012

American Surveying & Engineering, P.C.
RECEIVED

JUL 09 2012

Mr. Covertine Fidis, President
American Surveying & Engineering, P.C.
105 West Madison, Suite 1700
Chicago, IL 60602

105 West Madison, Suite 1700
Chicago, IL 60602

Re: Licensure Reconsideration

Dear Mr. Fidis:

The Office of Contract Compliance has reconsidered its position in requiring that the MBE qualifying individual must be licensed in a specific specialization to receive MBE certification from Cook County Government. This Office is pleased to inform you that American Surveying & Engineering, P.C. will maintain its certification as an MBE in the business specialty area formerly requested.

Upon review of Cook County policies relating to state licensure requirements, certain professional services firms may include areas of specialties, when the MBE qualifying individual does not possess the licensing, however, the MBE qualifying individual must have the ability to intelligently and critically evaluate information presented by the firm's professional employees. It has been determined that your firm has provided the required documentation, including education, experience and expertise to be certified in the areas of specialty requested.

Your firm's participation on Cook County contracts will be credited toward MBE goals in your area(s) of specialty. While your participation on Cook County contracts is not limited to your area of specialty, credit toward MBE goals will only be recognized for work done in the specialty category.

Thank you for your continued interest in Cook County Government's Minority and Women Business Enterprise Programs.

Sincerely,

LaVerne Hall
Director

LH/lar





Cook County Government
M/WBE Certification
Reciprocal Affidavit

Firm Name American Surveying & Engineering, P.C. Contract # _____
 Address 105 WEST MADISON, SUITE 1700 City CHICAGO
 County COOK State IL Zip 60602
 Phone 312-277-2000 Email c.fidis@americansurvey.com

I COVENTINE FIDIS, PRESIDENT/CEO
(Print Name) (Print Title)

of AMERICAN SURVEYING & ENGINEERING, P.C. do hereby affirm:
(Name of Firm)

1. AMERICAN SURVEYING & ENGINEERING, P.C. is a Minority and/or Women Business Enterprise
(Name of Firm)
 currently certified by the City of Chicago as:

Black Hispanic Asian Native-American Other Woman

2. With respect to AMERICAN SURVEYING & ENGINEERING, P.C., the personal net worth of the qualifying
(Name of Firm)
 (51%) individual(s) does not exceed \$2 million, excluding the individual's ownership interest in the M/WBE firm and the equity of the owner's primary residence, and otherwise meets the requirements of Chapter 34, Article IV of the Cook County Procurement Code. (As per Section 34-263 of the Cook County Procurement Code, an individual's personal net worth includes only his or her own Share of assets held jointly or as community/marital property with the individual's spouse.)

3. The average annual gross receipts of AMERICAN SURVEYING & ENGINEERING, P.C.,
(Name of Firm)
 as derived from tax filings over the five most recent years, does not exceed the Small Business Size Standards published by the U.S. Small Business Administration found in Title 13, Code of Federal Regulations, Part 121.

Upon penalty of perjury, I COVENTINE FIDIS affirm that, to the best of my
(Print Name)

knowledge and belief, the information herein is true and accurate.

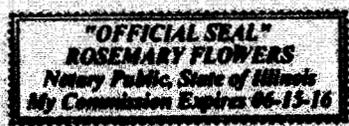
Signature *[Handwritten Signature]* Title PRESIDENT/CEO Date 08/25/2014

Subscribed and sworn to before me this 25TH day of AUGUST / 2014
(Month) (Year)

Rosemary Flowers Notary's Seal
(Notary's Signature)

My Commission Expires 06/15/2016

Revised 2/21/2013



ECONOMIC DISCLOSURE STATEMENT

COOK COUNTY GOVERNMENT LETTER OF INTENT (SECTION 2)

M/WBE Firm Rubinos and Mesia, Inc. Certifying Agency: County of Cook

Address: 200 S. Michigan Ave, Suite 1500 Certification Expiration Date: October 1, 2014

City/State: Chicago, IL Zip: 60604 FEIN #: 36-3164138

Phone: 312.870.6600 Fax: 312.663.1473 Contact Person: Dipak S. Shah, SE, PE

Email: DShah@RME-i.com Contract #: 1455-13465

Participation: Direct Indirect

Will the M/WBE firm be subcontracting any of the performance of this contract to another firm?

No Yes If "Yes", please attach explanation. Proposed Subcontractor: _____

The undersigned M/WBE is prepared to provide the following Commodities/Services for the above named Project/ Contract:

Structural Engineering Support

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

6.77% (\$300,764.51), actual cost plus fixed fee basis.

(If more space is needed to fully describe M/WBE Firm's proposed scope of work and/or payment schedule, attach additional sheets)

THE UNDERSIGNED PARTIES AGREE that this Letter of Intent will become a binding Subcontract Agreement conditioned upon the Bidder/Proposer's receipt of a signed contract from the County of Cook. The Undersigned Parties do also certify that they did not affix their signatures to this document until all areas under Description of Service/ Supply and Fee/Cost were completed.

Dipak S. Shah
Signature (M/WBE)
Dipak S. Shah, SE, PE - President

Print Name
Rubinos & Mesia Engineers, Inc.

Firm Name
August 20, 2014

Date
Subscribed and sworn before me
this 20 day of August, 2014

Notary Public *Javier Romero*
SEAL



Kevin E. Lentz
Signature (Prime Bidder/Proposer)
Kevin E. Lentz, PE

Print Name
Knight E/A, Inc.

Firm Name
8/20/14

Date
Subscribed and sworn before me
this 20 day of August, 2014

Notary Public *Melissa M. Mulhern*
SEAL





OFFICE OF CONTRACT COMPLIANCE

JACQUELINE GOMEZ

DIRECTOR

118 N. Clark, County Building, Room 1020 • Chicago, Illinois 60602 • (312) 603-5502

TONI PRECKWINKLE

PRESIDENT

Cook County Board
of Commissioners

EARLEAN COLLINS

1st District

ROBERT STEELE

2nd District

JERRY BUTLER

3rd District

STANLEY MOORE

4th District

DEBORAH SIMS

5th District

JOAN PATRICIA MURPHY

6th District

JESUS G. GARCIA

7th District

EDWIN REYES

8th District

PETER N. SILVESTRI

9th District

BRIDGET GAINER

10th District

JOHN P. DALEY

11th District

JOHN A. FRITCHEY

12th District

LARRY SUFFREDIN

13th District

GREGG GOSLIN

14th District

TIMOTHY O. SCHNEIDER

15th District

JEFFREY R. TOBOLSKI

16th District

ELIZABETH ANN DODDY GORVAN

17th District

October 1, 2013

Mr. Dipak Shah
President
Rubinos & Mesia Engineers, Inc.
200 South Michigan Ave. Ste. 1500
Chicago, IL 60604

Annual Certification Expires: October 1, 2014

Dear Mr. Shah:

Congratulations on your continued eligibility for Certification as a MBE by Cook County Government. This certification is valid until **October 1, 2015**; however, you must re-validate your firm's certification annually.

As a condition of continued certification during this three (3) year period, you must file a "**No Change Affidavit**" within **sixty (60) days** prior to the date of annual expiration. Failure to file this Affidavit shall result in the termination of your Certification. You must notify Cook County Government's Office of Contract Compliance of any change in ownership or control or any other matters or facts affecting your firm's eligibility for Certification with **fifteen (15) business days** of such change.

Cook County Government may commence action to remove your firm as a certified vendor if you fail to notify us of any changes of facts affecting your firm's Certification, or if your firm otherwise fails to cooperate with the County in any inquiry or investigation. Removal of status may also be commenced if your firm is found to be involved in bidding or contractual irregularities.

Your firm's name will be listed in Cook County's Directory of Minority Business Enterprise, Women Business Enterprise and/ or Veteran Business Enterprise in the area(s) of specialty:

**PROFESSIONAL SERVICES: ENGINEERING AND STRUCTURAL ENGINEERING
CONSULTING SERVICES; STRESS ANALYSIS, CONSTRUCTION INSPECTION SERVICES**

Your firm's participation on County contracts will be credited toward **MBE** goals in your area(s) of specialty. While your participation on Cook County contracts is not limited to your specialty, credited toward **MBE** goals will be given only for work performed in the specialty category.

Thank you for your continued interest in Cook County Government's Minority, Women and Veteran Business Enterprise Programs.

Sincerely,

Jacqueline Gomez
Contract Compliance Director
JG/ehw

2015

ECONOMIC DISCLOSURE STATEMENT

COOK COUNTY GOVERNMENT LETTER OF INTENT (SECTION 2)

MWBE Firm Singh and Associates, Inc. Certifying Agency: City of Chicago
Address: 230 W. Monroe St., Ste. 1400 Certification Expiration Date: 12/30/2016
City/State: Chicago, IL Zip: 60606 FEIN #: 36-3580306
Phone: 312.629.0240 Fax: 312.629.8449 Contact Person: S. Singh Rikhiraj, PE
Email: singh@singhinc.com Contract #: 1455-13465

Participation: X Direct Indirect

Will the MWBE firm be subcontracting any of the performance of this contract to another firm?

No X Yes If Yes, please attach explanation. Proposed Subcontractor:

The undersigned MWBE is prepared to provide the following Commodities/Services for the above named Project/ Contract:

Roadway Lighting and Signal Design Support

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

2.83% (\$ 126,039.33) actual cost plus fixed fee basis.

(If more space is needed to fully describe M/WBE Firm's proposed scope of work and/or payment schedule, attach additional sheets)

THE UNDERSIGNED PARTIES AGREE that this Letter of Intent will become a binding Subcontract Agreement conditioned upon the Bidder/Proposer's receipt of a signed contract from the County of Cook. The Undersigned Parties do also certify that they did not affix their signatures to this document until all areas under Description of Service/ Supply and Fee/Cost were completed.

S. S. Rikhiraj
Signature (MWBE)
S. Singh Rikhiraj, PE
Print Name

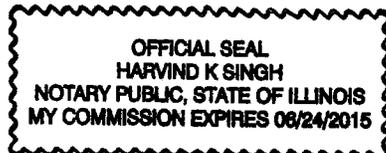
Singh & Associates, Inc.
Firm Name

August 20, 2014
Date

Subscribed and sworn before me
this 20 day of August, 20 14

Notary Public [Signature]

SEAL



[Signature]
Signature (Prime Bidder/Proposer)
Kevin E. Lentz, PE
Print Name

Knight E/A, Inc.
Firm Name

8/20/14
Date

Subscribed and sworn before me
this 20 day of August, 20 14

Notary Public [Signature]

SEAL





DEPARTMENT OF PROCUREMENT SERVICES
CITY OF CHICAGO

JUL 23 2013

Sadhu Singh Rikhiraj
Singh & Associates, Inc.
230 West Monroe Street, Suite 1400
Chicago, IL 60606

Dear Mr. Rikhiraj:

We are pleased to inform you that Singh & Associates, Inc. has been recertified as a Minority Business Enterprise ("MBE") by the City of Chicago ("City"). This MBE certification is valid until 12/30/2016; however your firm's certification must be revalidated annually. In the past the City has provided you with an annual letter confirming your certification; such letters will no longer be issued. As a consequence, we require you to be even more diligent in filing your annual No-Change Affidavit 60 days before your annual anniversary date.

It is now your responsibility to check the City's certification directory and verify your certification status. As a condition of continued certification during the five year period stated above, you must file an annual No-Change Affidavit. Your firm's annual No-Change Affidavit is due by 12/30/2014 and 12/30/2015. Please remember, you have an affirmative duty to file your No-Change Affidavit 60 days prior to the date of expiration. Failure to file your annual No-Change Affidavit may result in the suspension or rescission of your certification.

Your firm's five year certification will expire on 12/30/2016. You have an affirmative duty to file for recertification 60 days prior to the date of the five year anniversary date. Therefore, you must file for recertification by 10/30/2016.

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

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

- File your annual No-Change Affidavit within the required time period;
- Provide financial or other records requested pursuant to an audit within the required time period;

121 NORTH LASALLE STREET, ROOM 806, CHICAGO ILLINOIS 60602

D.W.

- Notify the City of any changes affecting your firm's certification within 10 days of such change; or
- File your recertification within the required time period.

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

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

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

NAICS Code(s):

- 541330 - Civil Engineering Services**
- 541330 - Construction Engineering Services**
- 541330 - Electrical Engineering Services**
- 541330 - Engineering Consulting Services**
- 541330 - Environmental Engineering Services**
- 541330 - Mechanical Engineering Services**

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

Thank you for your interest in the City's Minority and Women-Owned Business Enterprise (MBE/WBE) Program.

Sincerely,


Jamie L. Rhee
Chief Procurement Officer

JLR/ha



TONI PRECKWINKLE

PRESIDENT
Cook County Board
of Commissioners

EARLEAN COLLINS
1st District

ROBERT STEELE
2nd District

JERRY BUTLER
3rd District

STANLEY MOORE
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TIMOTHY O. SCHNEIDER
15th District

JEFFREY R. TOBOLSKI
16th District

ELIZABETH ANN DOODY GORMAN
17th District

OFFICE OF CONTRACT COMPLIANCE

JACQUELINE GOMEZ

DIRECTOR

118 N. Clark, County Building, Room 1020 • Chicago, Illinois 60602 • (312) 603-5502

August 14, 2014

Mr. Sadhu Singh Rikhiraj
President
Singh & Associates, Inc.
230 West Monroe St. Suite 1400
Chicago, IL 60606

Annual Certification Expires: August 14, 2015

Dear Mr. Rikhiraj:

Congratulations on your continued eligibility for Certification as a Minority Business Enterprise **MBE** by Cook County Government. This **MBE** Certification is valid until **August 14, 2019**.

As a condition of continued certification during this five (5) year period, you must file a "**No Change Affidavit**" within sixty (60) days prior to the date of annual expiration. Failure to file this Affidavit shall result in the termination of your certification. You must notify Cook County Government's Office of Contract Compliance of any change in ownership or control or any other matters or facts affecting your firm's eligibility for Certification within **fifteen (15) business days** of such changes.

Cook County Government may commence action to remove your firm as a **MBE** vendor if you fail to notify us of any changes of facts affecting your firm's certification, or if your firm otherwise fails to cooperate with the County in any inquiry or investigation. Removal of status may also be commenced if your firm is found to be involved in bidding or contractual irregularities.

Your firm's name will be listed in Cook County's Directory of Minority Business Enterprise, Women Business Enterprise and/ or Veteran Business Enterprise in the area(s) of specialty:

PROFESSIONAL SERVICES: DESIGN & CONSTRUCTION ENGINEERING SERVICES

Your firm's participation on County contracts will be credited toward **MBE** goals in your area(s) of specialty. While your participation on Cook County contracts is not limited to your specialty, credited toward **MBE** goals will be given only for work performed in the specialty category.

Thank you for your continued interest in Cook County Government's Minority, Women and Veteran Business Enterprise Programs.

Sincerely,

Jacqueline Gomez
Contract Compliance Director

JG/ehw

2019



Cook County Government
M/WBE Certification
Reciprocal Affidavit

Firm Name SNGH & ASSOCIATES, INC. Contract # 1455-13465
 Address 230 W MONROE STREET, SUITE 1400 City CHICAGO
 County COOK State IL Zip 60606
 Phone 312-629-0240 Email SINGH@SINGHINC.COM

I SADHU SINGH RIKHIRAJ, PRESIDENT
(Print Name) (Print Title)

of SINGH & ASSOCIATES, INC. do hereby affirm:
(Name of Firm)

1. SINGH & ASSOCIATES, INC. is a Minority and/or Women Business Enterprise
(Name of Firm)
 currently certified by the City of Chicago as:

Black Hispanic Asian Native-American Other Woman

2. With respect to SINGH & ASSOCIATES, INC, the personal net worth of the qualifying
(Name of Firm)
 (51%) individual(s) does not exceed \$2 million, excluding the individual's ownership interest in the M/WBE firm and the equity of the owner's primary residence, and otherwise meets the requirements of Chapter 34, Article IV of the Cook County Procurement Code. (As per Section 34-263 of the Cook County Procurement Code, an individual's personal net worth includes only his or her own Share of assets held jointly or as community/marital property with the individual's spouse.)

3. The average annual gross receipts of SINGH & ASSOCIATES, INC.
(Name of Firm)
 as derived from tax filings over the five most recent years, does not exceed the Small Business Size Standards published by the U.S. Small Business Administration found in Title 13, Code of Federal Regulations, Part 121.

Upon penalty of perjury, I SADHU SINGH RIKHIRAJ affirm that, to the best of my
(Print Name)

knowledge and belief, the information herein is true and accurate.

Signature S. S. Rikhiraj Title PRESIDENT Date 8/25/2014

Subscribed and sworn to before me this 25 day of AUGUST / 2014
(Month) (Year)

Marissa L. Modesto
(Notary's Signature)

Notary's Seal

My Commission Expires 4/24/15

Revised 2/21/2013



ECONOMIC DISCLOSURE STATEMENT

COOK COUNTY GOVERNMENT LETTER OF INTENT (SECTION 2)

M/WBE Firm Terra Engineering, Ltd. Certifying Agency: City of Chicago
Address: 225 W. Ohio Street Certification Expiration Date: 8/31/2014
City/State: Chicago/IL Zip: 60654 FEIN #: 36-3853964
Phone: 312.467.0123 Fax: 312.467.0220 Contact Person: Karen Steingraber
Email: Contract #:

Participation: X Direct Indirect

Will the M/WBE firm be subcontracting any of the performance of this contract to another firm?

No X Yes If "Yes", please attach explanation. Proposed Subcontractor:

The undersigned M/WBE is prepared to provide the following Commodities/Services for the above named Project/ Contract:

Landscape architecture and engineering support as needed

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

2.89% (\$128,617.05), actual cost plus fixed fee basis.

(If more space is needed to fully describe M/WBE Firm's proposed scope of work and/or payment schedule, attach additional sheets)

THE UNDERSIGNED PARTIES AGREE that this Letter of Intent will become a binding Subcontract Agreement conditioned upon the Bidder/Proposer's receipt of a signed contract from the County of Cook. The Undersigned Parties do also certify that they did not affix their signatures to this document until all areas under Description of Service/ Supply and Fee/Cost were completed.

[Handwritten Signature of Karen Steingraber]

Signature (M/WBE) Karen Steingraber, PE

Print Name TERRA Engineering, Ltd.

Firm Name 8/20/2014

Date

Subscribed and sworn before me this 20 day of August, 20 14.

Notary Public [Handwritten Signature]

SEAL



[Handwritten Signature of Kevin E. Lentz]

Signature (Prime Bidder/Proposer) Kevin E. Lentz, PE

Print Name Knight E/A, Inc.

Firm Name 8/20/14

Date

Subscribed and sworn before me this 20 day of August, 20 14.

Notary Public [Handwritten Signature]

SEAL





TERRA

ENGINEERING LTD.

August 25, 2014

Cook County
Office of the Chief Procurement Officer
118 N. Clark Street
Room 1018
Chicago, IL 60602

RE: EOWA Touhy Corridor - Section: 14-13018-01-EG

ATTN: Sergio Silva

Dear Mr. Silva:

In reference to our phone conversation of August 25, 2014, TERRA engineering is providing to you the following backup as proof of our certification to perform **Streetscapes, Urban Landscapes and Landscape Architecture** for the above referenced project.

TERRA understands the County is concerned with ability of consultants to perform the work for which they have been selected. To that end, included with this letter is the following:

- Cook County WBE Letter dated August 6, 2014
- Cook County Prequalification letter showing TERRA Engineering as being prequalified in **Category 5: Specialty Services (Landscape Architecture)** dated December 7, 2012 and good until December 7, 2015
- City of Chicago WBE Letter dated January 12, 2012
- City of Chicago WBE extension letter dated August 1, 2014
- City of Chicago Department of Transportation Architecture and Engineering Pre-Qualified Consultants sheet showing TERRA as prequalified in Roadway and Roadside Enhancements as well as Streetscapes and Urban Landscapes

We hope that this will be enough to prove our credentials to fulfill the role we have been entrusted to complete by our Prime Consultant.

Should you have any additional questions, please do not hesitate to contact me.

Sincerely yours,

TERRA ENGINEERING, LTD.

Louis Arrigoni, P.E.
Senior Project Manager

CC: Dan Cavanaugh, P.E. Senior Vice President - Knight E/A, Inc.

**THE BOARD OF COMMISSIONERS
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Robert Steele
Jarry Butler
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17th Dist.



**COUNTY OF COOK
BUREAU OF FINANCE**

OFFICE OF THE CHIEF PROCUREMENT OFFICER

**MARIA DE LOURDES COSS
CHIEF PROCUREMENT OFFICER**

County Building
118 North Clark Street, Room 1018
Chicago, Illinois 60602-1304
TEL: (312) 603-5370

December 7, 2012

Louis Arrigoni, P.E.
Senior Project Manager
Terra Engineering, Ltd.
225 West Ohio Street, 4th Floor
Chicago, IL 60654

Sent via email: larigoni@terraengineering.com

Re: Pre-Qualification for Architectural and Engineering Services, Construction Management and Program Management Services, RFQ # 12-88-055Q

Dear Mr. Arrigoni:

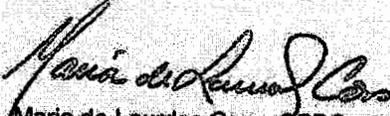
On behalf of Cook County, I am pleased to inform you that your firm has been designated as eligible for pre-qualification in Category 3, 4 and 5.

Your pre-qualification eligibility was based on your firm's ability to meet evaluation criteria outlined in the RFQ document. Pre-qualification will remain effective for three (3) years from the date of this letter. Pre-qualification eligibility may be suspended or terminated due to unacceptable performance.

An expeditious contracting process has been designed along with this pre-qualification process. Therefore, exceptions to the standard contract terms will not be accepted. Request for Proposals (RFPs) will be issued for specific projects through the Office of the Chief Procurement Officer with the relevant standard terms and conditions attached.

Any changes to the pre-qualification information, including information in Cook County's Economic Disclosure Statement must be submitted to the Chief Procurement Officer. The County reserves the right to change the pre-qualification status of any firm that fails to submit the necessary information in a timely manner.

Sincerely,


Maria de Lourdes Coss, CPPO *et*
Chief Procurement Officer



Printed on Recycled Paper



DEPARTMENT OF PROCUREMENT SERVICES

CITY OF CHICAGO

mcampbell@terraengineering.com

August 1, 2014

Karen S. Steingraber
Terra Engineering, Ltd.
225 W. Ohio Street – 4th Floor
Chicago, IL 60654

Dear Ms. Steingraber:

This letter is to inform you that the City of Chicago has extended your status as a **Women Business Enterprise (WBE) until August 31, 2014**. We are providing this extension to allow enough time to provide any additional documentation that your application may be missing and for our office to complete our review of all of the submitted documents.

This extension does not guarantee eligibility in the program but will act as a courtesy extension until we receive all of the required documentation and complete a review of that documentation.

Please present this letter as evidence of your certification to be included with bid document submittals as needed.

If you have any questions, please feel free to call our office at 312-744-1929.

Sincerely,

George Coleman, Jr.
Deputy Procurement Officer

GC/sl



COUNTY OF COOK BUREAU OF FINANCE
OFFICE OF CONTRACT COMPLIANCE
JACQUELINE GOMEZ, DIRECTOR
118 N Clark, Room 1020 | Chicago, Illinois 60602-1304 | Tel (312) 603-5502

TONI PRECKWINKLE

PRESIDENT
Cook County Board
of Commissioners

EARLEAN COLLINS
1st District

ROBERT STEELE
2nd District

JERRY BUTLER
3rd District

STANLEY MOORE
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DEBORAH SIMS
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JOAN PATRICIA MURPHY
6th District

JESUS G. GARCIA
7th District

EDWIN REYES
8th District

PETER N. SILVESTRI
9th District

BRIDGET GAINER
10th District

JOHN P. DALEY
11th District

JOHN A. FRITCHEY
12th District

LARRY SUFFREDIN
13th District

GREGG GOSLIN
14th District

TIMOTHY O. SCHNEIDER
15th District

JEFFREY R. TOBOLSKI
16th District

LIZABETH ANN DODDY GORMAN
17th District

August 6, 2014

Ms. Karen Steingraber, P.E., President
Terra Engineering, Ltd.
225 W. Ohio Street, 4th Floor
Chicago, IL 60654

Annual Certification Expires: August 6, 2015

Dear Ms. Steingraber:

Congratulations on your continued eligibility for Certification as **Women Business Enterprise (WBE)** by Cook County Government. This Certification is valid until **August 6, 2015**.

As a condition of continued Certification, you must file a "Re-Certification Affidavit" within **sixty (60) business days** prior to the **Annual Certification Expiration date**. Failure to file this Affidavit shall result in the termination of your Certification. You must notify Cook County's Office of Contract Compliance of any change in ownership or control or any other matters or facts affecting your firm's eligibility for Certification within **fifteen (15) business days** of such change.

Cook County Government may commence action to remove your firm as a certified vendor if you fail to notify us of any changes of facts affecting your firm's Certification, or if your firm otherwise fails to cooperate with the County in any inquiry or investigation. Removal of your status may also be commenced if your firm is found to be involved in bidding or contractual irregularities.

Your firm's name will be listed in Cook County's Directory of certified firms in the following area(s) of specialty:

Professional Services: Engineering Services and Consulting

Your firm's participation on Cook County contracts will be credited toward **WBE** goals in your area(s) of specialty. While your participation on Cook County contracts is not limited to your specialty, credit toward **WBE** goals will be given only for work done in the specialty category.

Thank you for your continued interest in Cook County Government's Minority, Women and Veteran Business Enterprise Programs.

Sincerely,

Jacqueline Gomez
Contract Compliance Director
JG/ek



DEPARTMENT OF PROCUREMENT SERVICES
CITY OF CHICAGO

January 12, 2012

Karen S Steingraber
Terra Engineering, Ltd.
225 W. Ohio St., 4th Floor
Chicago, IL 60654

3 JAN 30 2012

Annual Certificate Expires: February 1, 2013

Dear Karen S Steingraber:

Congratulations on your continued eligibility for certification as a **Women Business Enterprise (WBE)** by the City of Chicago. This certification is valid until **February 1, 2013**.

You have an affirmative duty to file for recertification 60 days prior to the date of expiration. Therefore, you must file for recertification by **12/1/2012**.

It is important to note that you also have an ongoing affirmative duty to notify the City of Chicago of any changes in ownership or control of your firm, or any other fact affecting your firm's eligibility for certification within 10 days of such change. These changes may include but are not limited to a change of address, change of business structure, change in ownership or ownership structure, change of business operations, and/or gross receipts that exceed the program threshold.

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

- o file your No Change Affidavit within the required time period;
- o provide financial or other records requested pursuant to an audit within the required time period; or
- o notify the City of any changes affecting your firm's certification within 10 days of such change.

Further, if you or your firm is found to be involved in certification, bidding and/or contractual fraud or abuse, the City will pursue decertification and debarment. And in addition to any other penalty imposed by law, any person who knowingly obtains, or knowingly assists another in obtaining, a contract with the city by falsely representing that the individual or entity, or the individual or entity



DEPARTMENT OF PROCUREMENT SERVICES
CITY OF CHICAGO

Terra Engineering, Ltd

Page 2

assisted, is a minority-owned business or a woman-owned business, is guilty of a misdemeanor, punishable by incarceration in the county jail for a period not to exceed six months or a fine of not less than \$5,000.00 and not more than \$10,000, or both.

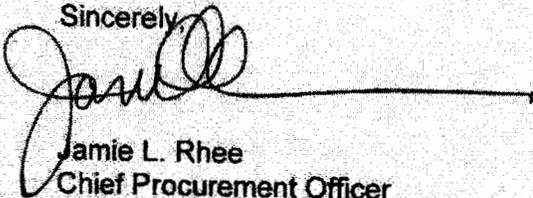
Your firm is listed in the City's Directory of Minority Business Enterprises and Women Business Enterprises in the specialty area(s) of:

PROFESSIONAL DESIGN SERVICES; ENGINEERING CONSULTING AND SERVICES

Your firm's participation on City contracts will be credited only toward Women Business Enterprise (WBE) goals in your area(s) of specialty. While your participation on City contracts is not limited to your specialty, credit toward Women Business Enterprise (WBE) goal will be given only for work done in a specialty category.

Thank you for your continued participation in the City's Supplier Diversity Program.

Sincerely,



Jamie L. Rhee
Chief Procurement Officer

ECONOMIC DISCLOSURE STATEMENT

COOK COUNTY GOVERNMENT LETTER OF INTENT (SECTION 2)

M/WBE Firm: The Roderick Group, Inc. Certifying Agency: City of Chicago
Address: 921 West Van Buren Street; Ste 210 Certification Expiration Date: 09/30/2014
City/State: Chicago, IL Zip: 60607 FEIN #: 20-3036399
Phone: (312) 624-8198 Fax: (773) 289-0567 Contact Person: Rashod R. Johnson
Email: rashod@rodgrp.com Contract #: 1455-13465

Participation: X Direct Indirect

Will the M/WBE firm be subcontracting any of the performance of this contract to another firm?

No X Yes If Yes, please attach explanation. Proposed Subcontractor:

The undersigned M/WBE is prepared to provide the following Commodities/Services for the above named Project/ Contract:

The Roderick Group, Inc. is certified as a MBE by the City of Chicago under NAICS code 541330- engineering services. We propose to assist Knight E/A, Inc. with various civil engineering services including the preparation of erosion control plans, maintenance of traffic plans, and pavement marking and signing plans.

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

4.50% (\$200,032.96) actual cost plus fixed fee basis.

(If more space is needed to fully describe M/WBE Firm's proposed scope of work and/or payment schedule, attach additional sheets)

THE UNDERSIGNED PARTIES AGREE that this Letter of Intent will become a binding Subcontract Agreement conditioned upon the Bidder/Proposer's receipt of a signed contract from the County of Cook. The Undersigned Parties do also certify that they did not affix their signatures to this document until all areas under Description of Service/ Supply and Fee/Cost were completed.

Signature (M/WBE) Rashod R. Johnson

Print Name The Roderick Group, Inc.

Firm Name August 26, 2014

Date

Subscribed and sworn before me

this 26 day of August 20 14

Notary Public Danielle Mitchell

SEAL



Signature (Prime Bidder/Proposer) Kevin E. Lentz, PE

Print Name Knight E/A, Inc.

Firm Name 8/26/14

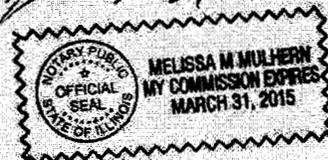
Date

Subscribed and sworn before me

this 26 day of August 20 14

Notary Public Melissa M. Mulhern

SEAL





DEPARTMENT OF PROCUREMENT SERVICES

CITY OF CHICAGO

June 24, 2014,

Rashod Johnson
The Roderick Group, Inc.
921 West Van Buren Street Suite 210
Chicago, IL 60607

Email: rashod@rodgrp.com

Dear Mr. Johnson,

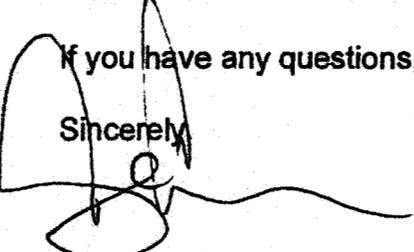
This letter is to inform you that the City of Chicago has extended your status as **Disadvantage Business Enterprise (DBE) until September 30, 2014**. We are providing this extension to allow enough time to provide any additional documentation that your application may be missing and for our office to complete our review of all of the submitted documents.

This extension does not guarantee eligibility in the program but will act as a courtesy extension until we receive all of the required documentation and complete a review of that documentation.

Please present this letter and copy of your last certification letter as evidence of your certification to be included with bid document submittals as needed.

If you have any questions, please feel free to contact our office at (312) 744-1929.

Sincerely,



George Coleman Jr.
Deputy Procurement Officer

GC/at



DEPARTMENT OF PROCUREMENT SERVICES
CITY OF CHICAGO

NOV 21 2012

Rashod Johnson
The Roderick Group, Inc.
921 W. Van Buren Street, Suite 210
Chicago, IL 60619

Certificate Expires: September 1, 2013

Dear Rashod Johnson:

Congratulations on your continued eligibility for certification as a **Minority Business Enterprise (MBE)** by the City of Chicago. This certification is valid until **September 1, 2013**.

You have an affirmative duty to file for recertification 60 days prior to the date of expiration. Therefore, you must file for recertification by **July 1, 2013**.

It is important to note that you also have an ongoing affirmative duty to notify the City of Chicago of any changes in ownership or control of your firm, or any other fact affecting your firm's eligibility for certification within 10 days of such change. These changes may include but are not limited to a change of address, change of business structure, change in ownership or ownership structure, change of business operations, and/or gross receipts that exceed the program threshold.

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

- o file your No Change Affidavit within the required time period;
- o provide financial or other records requested pursuant to an audit within the required time period; or
- o notify the City of any changes affecting your firm's certification within 10 days of such change.
- o re-certify with the city within prescribed time frame.

Further, if you or your firm is found to be involved in certification, bidding and/or contractual fraud or abuse, the City will pursue decertification and debarment. And in addition to any other penalty imposed by law, any person who knowingly obtains, or knowingly assists another in obtaining, a contract with the city by falsely representing that the individual or entity, or the individual or entity assisted, is a minority-owned business or a woman-owned business, is guilty of a misdemeanor, punishable by incarceration in the county jail for a period not to exceed six months or a fine of not less than \$5,000.00 and not more than

Your firm is listed in the City's Directory of Minority Business Enterprises (MBE) and Women Business Enterprises (WBE) in the specialty area(s) of:

<u>NIGP Code</u>	<u>Description</u>
NIGP 20868	Project Management
NIGP 90625	Design Build Services
NIGP 90735	Designing Services
NIGP 91842	Engineering Consulting
NIGP 92533	Engineer Services, Professional
NIGP 92555	Inspecting, General/Engineering
NIGP 96847	Inspection Services, Construction Type

Your firm's participation on City contracts will be credited only toward Minority Business Enterprise (MBE) goals in your area(s) of specialty. While your participation on City contracts is not limited to your specialty, credit toward Minority Business Enterprise (MBE) goal will be given only for work done in a specialty category.

Thank you for your continued participation in the City's Minority Business Enterprises (MBE) and Women Business Enterprises (WBE) Program.

Sincerely,



Jamie L. Rhee
Chief Procurement Officer

JR/bl



DEPARTMENT OF PROCUREMENT SERVICES
CITY OF CHICAGO

June 24, 2014,

Rashod Johnson
The Roderick Group, Inc.
921 West Van Buren Street Suite 210
Chicago, IL 60607

Email: rashod@rodgrp.com

Dear Mr. Johnson,

This letter is to inform you that the City of Chicago has extended your status as **Minority Business Enterprise (MBE) until September 30, 2014**. We are providing this extension to allow enough time to provide any additional documentation that your application may be missing and for our office to complete our review of all of the submitted documents.

This extension does not guarantee eligibility in the program but will act as a courtesy extension until we receive all of the required documentation and complete a review of that documentation.

Please present this letter and copy of your last certification letter as evidence of your certification to be included with bid document submittals as needed.

If you have any questions, please feel free to contact our office at (312) 744-1929.

Sincerely,

George Coleman Jr.
Deputy Procurement Officer

GC/at



Cook County Government
M/WBE Certification
Reciprocal Affidavit

Firm Name The Roderick Group, Inc. Contract # 1455-13465

Address 921 West Van Buren Street, Suite 210 City Chicago

County Cook State Illinois Zip 60607

Phone (312) 624-8198 Email rashod@rodgrp.com

I Rashod R. Johnson, President
(Print Name) (Print Title)

of The Roderick Group, Inc. do hereby affirm:
(Name of Firm)

1. The Roderick Group, Inc. is a Minority and/or Women Business Enterprise
(Name of Firm)
currently certified by the City of Chicago as:

Black Hispanic Asian Native-American Other Woman

2. With respect to The Roderick Group, Inc., the personal net worth of the qualifying
(Name of Firm)
(51%) individual(s) does not exceed \$2 million, excluding the individual's ownership interest in the M/WBE firm and the equity of the owner's primary residence, and otherwise meets the requirements of Chapter 34, Article IV of the Cook County Procurement Code. (As per Section 34-263 of the Cook County Procurement Code, an individual's personal net worth includes only his or her own Share of assets held jointly or as community/marital property with the individual's spouse.)

3. The average annual gross receipts of The Roderick Group, Inc.
(Name of Firm)
as derived from tax filings over the five most recent years, does not exceed the Small Business Size Standards published by the U.S. Small Business Administration found in Title 13, Code of Federal Regulations, Part 121.

Upon penalty of perjury, I Rashod R. Johnson affirm that, to the best of my
(Print Name)

knowledge and belief, the information herein is true and accurate.

Signature [Signature] Title President Date 08/24/2014

Subscribed and sworn to before me this 24 day of August 2014
(Month) (Year)

Danielle Mitchell
(Notary's Signature)

Notary's Seal

My Commission Expires 10/12/2016
Revised 2/21/2013



ECONOMIC DISCLOSURE STATEMENT

COOK COUNTY GOVERNMENT LETTER OF INTENT (SECTION 2)

M/WBE Firm : Wang Engineering Certifying Agency: Cook County, IL
 Address: 1145 North Main Street Certification Expiration Date: August 9, 2014
 City/State: Lombard, IL Zip: 60148 FEIN #: 36-3191909
 Phone: 630-953-9928 Fax: 630-953-9938 Contact Person: Paul Wang
 Email: pwang@wnageng.com Contract #: 1455-13465

Participation: Direct Indirect

Will the M/WBE firm be subcontracting any of the performance of this contract to another firm?

No Yes If "Yes", please attach explanation. Proposed Subcontractor: _____

The undersigned M/WBE is prepared to provide the following Commodities/Services for the above named Project/ Contract:

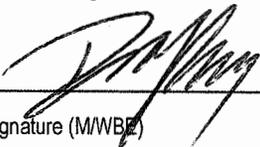
Geotechnical Engineering

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

9.99% (\$444,523.76) actual cost plus fixed fee basis

(if more space is needed to fully describe M/WBE Firm's proposed scope of work and/or payment schedule, attach additional sheets)

THE UNDERSIGNED PARTIES AGREE that this Letter of Intent will become a binding Subcontract Agreement conditioned upon the Bidder/Proposer's receipt of a signed contract from the County of Cook. The Undersigned Parties do also certify that they did not affix their signatures to this document until all areas under Description of Service/ Supply and Fee/Cost were completed.



 Signature (M/WBE)
Paul Wang

Print Name
Wang Engineering, Inc.

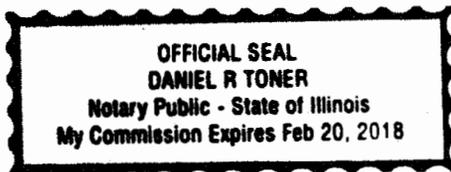
Firm Name
August 19, 2014

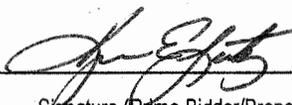
Date

Subscribed and sworn before me
this 19 day of August, 20 14

Notary Public Daniel R Toner

SEAL





 Signature (Prime Bidder/Proposer)
Kevin E. Lentz, PE

Print Name
Knight E/A, Inc.

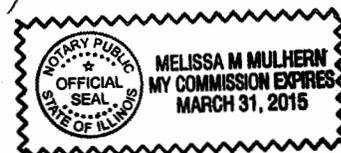
Firm Name
8/20/14

Date

Subscribed and sworn before me
this 20 day of August, 20 14

Notary Public Melissa M Mulhern

SEAL





OFFICE OF CONTRACT COMPLIANCE

JACQUELINE GOMEZ

DIRECTOR

118 N. Clark County Building, Room 1020 • Chicago, Illinois 60602 • (312) 603-5502

August 9, 2013

Mr. Paul Wang
President
Wang Engineering, Inc.
1145 North Main Street
Lombard, IL 60148

Annual Certification Expires: August 9, 2014

Dear Mr. Wang:

Congratulations on your continued eligibility for Certification as a MBE by Cook County Government. This annual MBE Certification is valid until **August 9, 2014**.

As a condition of continued certification during this three (3) year period, you must file a **"No Change Affidavit"** within **sixty (60) days** prior to the date of annual expiration. Failure to file this Affidavit shall result in the termination of your certification. You must notify Cook County Government's Office of Contract Compliance of any change in ownership or control or any other matters or facts affecting your firm's eligibility for certification.

Cook County Government may commence action to remove your firm as a MBE vendor if you fail to notify us of any changes of facts affecting your firm's certification, or if your firm otherwise fails to cooperate with the County in any inquiry or investigation. Removal of status may also be commenced if your firm is found to be involved in bidding or contractual irregularities.

Your firm's name will be listed in Cook County's Directory of Minority Business Enterprise, Women Business Enterprise and/ or Veteran Business Enterprise in the area(s) of specialty.

CONSTRUCTION SERVICES: GEOTECHNICAL ENGINEERING, CONSTRUCTION MANAGEMENT & INSPECTION, CONSTRUCTION MATERIALS TESTING

Your firm's participation on County contracts will be credited toward **MBE** goals in your area(s) of specialty. While your participation on Cook County contracts is not limited to your specialty, credited toward **MBE** goals will be given only for work performed in the specialty category.

Thank you for your continued interest in Cook County Government's Minority, Women and Veteran Business Enterprise Programs.

Sincerely,


Jacqueline Gomez
Contract Compliance Director

JG/ehw

2014

TONI PRECKWINKLE

PRESIDENT

Cook County Board
of Commissioners

EARLEAN COLLINS

1st District

ROBERT STEELE

2nd District

JERRY BUTLER

3rd District

STANLEY MOORE

4th District

DEBORAH SIMS

5th District

JOAN PATRICIA MURPHY

6th District

JESUS G. GARCIA

7th District

EDWIN REYES

8th District

PETER N. SILVESTRI

9th District

BRIDGET GAINER

10th District

JOHN P. DALEY

11th District

JOHN A. FRITCHEY

12th District

LARRY SUFFREDIN

13th District

GREGG GOSLIN

14th District

TIMOTHY O. SCHNEIDER

15th District

JEFFREY R. TOBOLSKI

16th District

ELIZABETH ANN DODDY GORMAN

17th District

ECONOMIC DISCLOSURE STATEMENT**INSTRUCTIONS FOR COMPLETION OF
ECONOMIC DISCLOSURE STATEMENT AND EXECUTION DOCUMENT**

Sections 6, 7, 8, 9: Execution Forms. The Bidder executes this EDS, and the Contract, by completing and signing three copies of the appropriate Signature Page. Section 6 is the form for a sole proprietor; Section 7 is the form for a partnership or joint venture; Section 8 is the form for a Limited Liability Corporation, and Section 9 is the form for a corporation. Proper execution requires THREE ORIGINALS; therefore, the appropriate Signature Page must be filled in, three copies made, and all three copies must be properly signed, notarized and submitted. The forms may be printed and completed by typing or hand writing the information required.

Required Updates. The information provided in this EDS will be kept current. In the event of any change in any information provided, including but not limited to any change which would render inaccurate or incomplete any certification or statement made in this EDS, the Undersigned will supplement this EDS up to the time the County takes action, by filing an amended EDS or such other documentation as is requested.

Additional Information. The County's Governmental Ethics and Campaign Financing Ordinances, impose certain duties and obligations on persons or entities seeking County contracts, work, business, or transactions. For further information please contact the Director of Ethics at (312) 603-4304 (69 W. Washington St. Suite 3040, Chicago, IL 60602) or visit our web-site at www.cookcountygov.com and go to the Ethics Department link. The Bidder must comply fully with the applicable ordinances.

ECONOMIC DISCLOSURE STATEMENT

CERTIFICATIONS (SECTION 4)

THE FOLLOWING CERTIFICATIONS ARE MADE PURSUANT TO STATE LAW AND THE CODE. THE UNDERSIGNED IS CAUTIONED TO CAREFULLY READ THESE CERTIFICATIONS PRIOR TO SIGNING THE SIGNATURE PAGE. SIGNING THE SIGNATURE PAGE SHALL CONSTITUTE A WARRANTY BY THE UNDERSIGNED THAT ALL THE STATEMENTS, CERTIFICATIONS AND INFORMATION SET FORTH WITHIN THESE CERTIFICATIONS ARE TRUE, COMPLETE AND CORRECT AS OF THE DATE THE SIGNATURE PAGE IS SIGNED. THE UNDERSIGNED IS NOTIFIED THAT IF THE COUNTY LEARNS THAT ANY OF THE FOLLOWING CERTIFICATIONS WERE FALSELY MADE, THAT ANY CONTRACT ENTERED INTO WITH THE UNDERSIGNED SHALL BE SUBJECT TO TERMINATION.

A. PERSONS AND ENTITIES SUBJECT TO DISQUALIFICATION

No person or business entity shall be awarded a contract or sub-contract, for a period of five (5) years from the date of conviction or entry of a plea or admission of guilt, civil or criminal, if that person or business entity:

- 1) Has been convicted of an act committed, within the State of Illinois, of bribery or attempting to bribe an officer or employee of a unit of state, federal or local government or school district in the State of Illinois in that officer's or employee's official capacity;
- 2) Has been convicted by federal, state or local government of an act of bid-rigging or attempting to rig bids as defined in the Sherman Anti-Trust Act and Clayton Act. Act. 15 U.S.C. Section 1 et seq.;
- 3) Has been convicted of bid-rigging or attempting to rig bids under the laws of federal, state or local government;
- 4) Has been convicted of an act committed, within the State, of price-fixing or attempting to fix prices as defined by the Sherman Anti-Trust Act and the Clayton Act. 15 U.S.C. Section 1, et seq.;
- 5) Has been convicted of price-fixing or attempting to fix prices under the laws the State;
- 6) Has been convicted of defrauding or attempting to defraud any unit of state or local government or school district within the State of Illinois;
- 7) Has made an admission of guilt of such conduct as set forth in subsections (1) through (6) above which admission is a matter of record, whether or not such person or business entity was subject to prosecution for the offense or offenses admitted to; or
- 8) Has entered a plea of nolo contendere to charge of bribery, price-fixing, bid-rigging, or fraud, as set forth in sub-paragraphs (1) through (6) above.

In the case of bribery or attempting to bribe, a business entity may not be awarded a contract if an official, agent or employee of such business entity committed the Prohibited Act on behalf of the business entity and pursuant to the direction or authorization of an officer, director or other responsible official of the business entity, and such Prohibited Act occurred within three years prior to the award of the contract. In addition, a business entity shall be disqualified if an owner, partner or shareholder controlling, directly or indirectly, 20 % or more of the business entity, or an officer of the business entity has performed any Prohibited Act within five years prior to the award of the Contract.

THE UNDERSIGNED HEREBY CERTIFIES THAT: The Undersigned has read the provisions of Section A, Persons and Entities Subject to Disqualification, that the Undersigned has not committed any Prohibited Act set forth in Section A, and that award of the Contract to the Undersigned would not violate the provisions of such Section or of the Code.

B. BID-RIGGING OR BID ROTATING

THE UNDERSIGNED HEREBY CERTIFIES THAT: In accordance with 720 ILCS 5/33 E-11, neither the Undersigned nor any Affiliated Entity is barred from award of this Contract as a result of a conviction for the violation of State laws prohibiting bid-rigging or bid rotating.

C. DRUG FREE WORKPLACE ACT

THE UNDERSIGNED HEREBY CERTIFIES THAT: The Undersigned will provide a drug free workplace, as required by Public Act 86-1459 (30 ILCS 580/2-11).

D. DELINQUENCY IN PAYMENT OF TAXES

THE UNDERSIGNED HEREBY CERTIFIES THAT: The Undersigned is not an owner or a party responsible for the payment of any tax or fee administered by Cook County, by a local municipality, or by the Illinois Department of Revenue, which such tax or fee is delinquent, such as bar award of a contract or subcontract pursuant to the Code, Chapter 34, Section 34-129.

E. HUMAN RIGHTS ORDINANCE

ECONOMIC DISCLOSURE STATEMENT

No person who is a party to a contract with Cook County ("County") shall engage in unlawful discrimination or sexual harassment against any individual in the terms or conditions of employment, credit, public accommodations, housing, or provision of County facilities, services or programs (Code Chapter 42, Section 42-30 et seq).

F. ILLINOIS HUMAN RIGHTS ACT

THE UNDERSIGNED HEREBY CERTIFIES THAT: It is in compliance with the the Illinois Human Rights Act (775 ILCS 5/2-105), and agrees to abide by the requirements of the Act as part of its contractual obligations.

G. MACBRIDE PRINCIPLES, CODE CHAPTER 34, SECTION 34-132

If the primary contractor currently conducts business operations in Northern Ireland, or will conduct business during the projected duration of a County contract, the primary contractor shall make all reasonable and good faith efforts to conduct any such business operations in Northern Ireland in accordance with the MacBride Principles for Northern Ireland as defined in Illinois Public Act 85-1390.

H. LIVING WAGE ORDINANCE PREFERENCE (COOK COUNTY CODE, CHAPTER 34, SECTION 34-127;

The Code requires that a living wage must be paid to individuals employed by a Contractor which has a County Contract and by all subcontractors of such Contractor under a County Contract, throughout the duration of such County Contract. The amount of such living wage is determined from time to time by, and is available from, the Chief Financial Officer of the County.

For purposes of this EDS Section 4, H, "Contract" means any written agreement whereby the County is committed to or does expend funds in connection with the agreement or subcontract thereof. The term "Contract" as used in this EDS, Section 4, I, specifically excludes contracts with the following:

- 1) Not-For Profit Organizations (defined as a corporation having tax exempt status under Section 501(C)(3) of the United State Internal Revenue Code and recognized under the Illinois State not-for -profit law);
- 2) Community Development Block Grants;
- 3) Cook County Works Department;
- 4) Sheriff's Work Alternative Program; and
- 5) Department of Correction inmates.

ECONOMIC DISCLOSURE STATEMENT

REQUIRED DISCLOSURES (SECTION 5)

1. DISCLOSURE OF LOBBYIST CONTACTS

List all persons or entities that have made lobbying contacts on your behalf with respect to this contract:

Name	Address
<u>None</u>	

2. LOCAL BUSINESS PREFERENCE DISCLOSURE; CODE, CHAPTER 34, SECTION 34-151(p);

"Local Business" shall mean a person authorized to transact business in this State and having a bona fide establishment for transacting business located within Cook County at which it was actually transacting business on the date when any competitive solicitation for a public contract is first advertised or announced and further which employs the majority of its regular, full time work force within Cook County, including a foreign corporation duly authorized to transact business in this State and which has a bona fide establishment for transacting business located within Cook County at which it was actually transacting business on the date when any competitive solicitation for a public contract is first advertised or announced and further which employs the majority of its regular, full time work force within Cook County.

a) Is Bidder a "Local Business" as defined above?

Yes X No _____

b) If yes, list business addresses within Cook County:

221 North LaSalle Street, Suite 300, Chicago, IL 60601

c) Does Bidder employ the majority of its regular full-time workforce within Cook County?

Yes X No _____

3. THE CHILD SUPPORT ENFORCEMENT ORDINANCE (PREFERENCE (CODE, CHAPTER 34, SECTION 34-366)

Every Applicant for a County Privilege shall be in full compliance with any child support order before such Applicant is entitled to receive or renew a County Privilege. When delinquent child support exists, the County shall not issue or renew any County Privilege, and may revoke any County Privilege.

All Applicants are required to review the Cook County Affidavit of Child Support Obligations attached to this EDS (EDS-8) and complete the following, based upon the definitions and other information included in such Affidavit.

ECONOMIC DISCLOSURE STATEMENT

4. REAL ESTATE OWNERSHIP DISCLOSURES.

The Undersigned must indicate by checking the appropriate provision below and providing all required information that either:

a) The following is a complete list of all real estate owned by the Undersigned in Cook County:

PERMANENT INDEX NUMBER(S): _____

(ATTACH SHEET IF NECESSARY TO LIST ADDITIONAL INDEX NUMBERS)

OR:

b) The Undersigned owns no real estate in Cook County.

5. EXCEPTIONS TO CERTIFICATIONS OR DISCLOSURES.

If the Undersigned is unable to certify to any of the Certifications or any other statements contained in this EDS and not explained elsewhere in this EDS, the Undersigned must explain below:

None

If the letters, "NA", the word "None" or "No Response" appears above, or if the space is left blank, it will be conclusively presumed that the Undersigned certified to all Certifications and other statements contained in this EDS.

ECONOMIC DISCLOSURE STATEMENT

COOK COUNTY DISCLOSURE OF OWNERSHIP INTEREST STATEMENT

The Cook County Code of Ordinances (§2-610 et seq.) requires that any Applicant for any County Action must disclose information concerning ownership interests in the Applicant. This Disclosure of Ownership Interest Statement must be completed with all information current as of the date this Statement is signed. Furthermore, this Statement must be kept current, by filing an amended Statement, until such time as the County Board or County Agency shall take action on the application. The information contained in this Statement will be maintained in a database and made available for public viewing.

If you are asked to list names, but there are no applicable names to list, you must state NONE. An incomplete Statement will be returned and any action regarding this contract will be delayed. A failure to fully comply with the ordinance may result in the action taken by the County Board or County Agency being voided.

"Applicant" means any Entity or person making an application to the County for any County Action.

"County Action" means any action by a County Agency, a County Department, or the County Board regarding an ordinance or ordinance amendment, a County Board approval, or other County agency approval, with respect to contracts, leases, or sale or purchase of real estate.

"Entity" or "Legal Entity" means a sole proprietorship, corporation, partnership, association, business trust, estate, two or more persons having a joint or common interest, trustee of a land trust, other commercial or legal entity or any beneficiary or beneficiaries thereof.

This Disclosure of Ownership Interest Statement must be submitted by :

1. An Applicant for County Action and
2. An individual or Legal Entity that holds stock or a beneficial interest in the Applicant and is listed on the Applicant's Statement (a "Holder") must file a Statement and complete #1 only under Ownership Interest Declaration.

Please print or type responses clearly and legibly. Add additional pages if needed, being careful to identify each portion of the form to which each additional page refers.

This Statement is being made by the Applicant or Stock/Beneficial Interest Holder

This Statement is an: Original Statement or Amended Statement

Identifying Information:

Name: Knigh E/A, Inc. D/B/A: _____ EIN NO.: 37-1380560

Street Address: 221 North LaSalle Street, Suite 300

City: Chicago State: IL Zip Code: 60601

Phone No.: 312-577-3300

Form of Legal Entity:

- | | | | |
|---|--------------------------------------|---|--|
| <input type="checkbox"/> Sole Proprietor | <input type="checkbox"/> Partnership | <input checked="" type="checkbox"/> Corporation | <input type="checkbox"/> Trustee of Land Trust |
| <input type="checkbox"/> Business Trust | <input type="checkbox"/> Estate | <input type="checkbox"/> Association | <input type="checkbox"/> Joint Venture |
| <input type="checkbox"/> Other (describe) _____ | | | |

ECONOMIC DISCLOSURE STATEMENT

Ownership Interest Declaration:

- 1. List the name(s), address, and percent ownership of each individual and each Entity having a legal or beneficial interest (including ownership) of more than five percent (5%) in the Applicant/Holder.

Name	Address	Percentage Interest in Applicant/Holder
<u>Knight Partners, LLC</u>	<u>221 North LaSalle Street</u>	<u>100%</u>
	<u>Suite 300</u>	
	<u>Chicago, IL 60601</u>	

- 2. If the interest of any individual or any Entity listed in (1) above is held as an agent or agents, or a nominee or nominees, list the name and address of the principal on whose behalf the interest is held.

Name of Agent/Nominee	Name of Principal	Principal's Address
<u>See Attached</u>		

- 3. Is the Applicant constructively controlled by another person or Legal Entity? [] Yes [] No

If yes, state the name, address and percentage of beneficial interest of such person or legal entity, and the relationship under which such control is being or may be exercised.

Name	Address	Percentage of Beneficial Interest	Relationship
<u>James Wolfe</u>	<u>221 North LaSalle Street</u>	<u>39.93%</u>	<u>Managing Partner</u>
	<u>Suite 300</u>		<u>Knight Partners, LLC</u>
	<u>Chicago, IL 60601</u>		

Declaration (check the applicable box):

- [] I state under oath that the Applicant has withheld no disclosure as to ownership interest in the Applicant nor reserved any information, data or plan as to the intended use or purpose for which the Applicant seeks County Board or other County Agency action.
- [] I state under oath that the Holder has withheld no disclosure as to ownership interest nor reserved any information required to be disclosed.

Kevin E. Lentz, PE
 Name of Authorized Applicant/Holder Representative (please print or type)

President
 Title

[Signature]
 Signature

August 20, 2014
 Date

KLENTZ@KNIGHTEA.COM
 E-mail address

312-577-3300
 Phone Number

Subscribed to and sworn before me
 this 20 day of August, 2014

My commission expires: 03/31/15

[Signature]
 Notary Public Signature



Knight E&A, Inc.
221 North LaSalle Street
Suite 300
Chicago, IL 60601-1211

Telephone: (312) 577-3300
Fax: (312) 577-0520
www.knightea.com



KNIGHT PARTNERS, LLC

Directors

James E. Wolfe Thomas Murphy
Kevin E. Lentz Joseph Lamb
Erhard R. Chorlé

Officers

James E. Wolfe Chairman & CEO
Kevin E. Lentz President
Melissa M. Mulhern Treasurer & Secretary

Members as of November 9, 2009

<u>Name</u>	<u>Pro Rata Ownership Interest</u>
JWE Knight S-Corp	39.93%
KEL Knight S-Corp	37.95%
MMM Knight S-Corp	6.88%
Joseph Lamb	6.33%
DGK Knight S-Corp	5.59%
CES Knight S-Corp	3.32%
Total Shares Outstanding	<u>100.00%</u>

* Rounded to the nearest whole %

Business Address for Members:

221 North LaSalle Street
Suite 300
Chicago, IL 60601-1211

ECONOMIC DISCLOSURE STATEMENT

COOK COUNTY BOARD OF ETHICS
 69 W. WASHINGTON STREET, SUITE 3040
 CHICAGO, ILLINOIS 60602
 312/603-4304
 312/603-9988 FAX 312/603-1011 TT/TDD

FAMILIAL RELATIONSHIP DISCLOSURE PROVISION:

Section 2-582 of the Cook County Ethics Ordinance requires any person or persons doing business with Cook County, upon execution of a contract with Cook County, to disclose to the Cook County Board of Ethics the existence of familial relationships they may have with all persons holding elective office in the State of Illinois, the County of Cook, or in any municipality within the County of Cook.

The disclosure required by this section shall be filed by January 1 of each calendar year or within thirty (30) days of the execution of any contract or lease. Any person filing a late disclosure statement after January 31 shall be assessed a late filing fee of \$100.00 per day that the disclosure is late. Any person found guilty of violating any provision of this section or knowingly filing a false, misleading, or incomplete disclosure to the Cook County Board of Ethics shall be prohibited, for a period of three (3) years, from engaging, directly or indirectly, in any business with Cook County. Note: Please see Chapter 2 Administration, Article VII Ethics, Section 2-582 of the Cook County Code to view the full provisions of this section.

If you have questions concerning this disclosure requirement, please call the Cook County Board of Ethics at (312) 603-4304. Note: A current list of contractors doing business with Cook County is available via the Cook County Board of Ethics' website at: http://www.cookcountygov.com/taxonomy/ethics/Listings/cc_ethics_VendorList_pdf

DEFINITIONS:

"Calendar year" means January 1 to December 31 of each year.

"Doing business" for this Ordinance provision means any one or any combination of leases, contracts, or purchases to or with Cook County or any Cook County agency in excess of \$25,000 in any calendar year.

"Familial relationship" means a person who is related to an official or employee as spouse or any of the following, whether by blood, marriage or adoption:

Parent	Grandparent	Stepfather
Child	Grandchild	Stepmother
Brother	Father-in-law	Stepson
Sister	Mother-in-law	Stepdaughter
Aunt	Son-in-law	Stepbrother
Uncle	Daughter-in-law	Stepsister
Niece	Brother-in-law	Half-brother
Nephew	Sister-in-law	Half-sister

"Person" means any individual, entity, corporation, partnership, firm, association, union, trust, estate, as well as any parent or subsidiary of any of the foregoing, and whether or not operated for profit.

ECONOMIC DISCLOSURE STATEMENT

SWORN FAMILIAL RELATIONSHIP DISCLOSURE FORM

Pursuant to Section 2-582 of the Cook County Ethics Ordinance, any person* doing business* with Cook County must disclose, to the Cook County Board of Ethics, the existence of familial relationships* to any person holding elective office in the State of Illinois, Cook County, or in any municipality within Cook County. Please print your responses.

Name of Owner/Employee: Kevin E. Lentz, PE Title: President
Business Entity Name: Knight E/A, Inc. Phone: 312-577-3300
Business Entity Address: 221 North LaSalle Street, Suite 300, Chicago, IL 60601

_____ The following familial relationship exists between the owner or any employee of the business entity contracted to do business with Cook County and any person holding elective office in the State of Illinois, Cook County, or in any municipality within Cook County.

Owner/Employee Name:	Related to:	Relationship:
1. _____		
2. _____		
3. _____		
4. _____		
5. _____		

If more space is needed, attach an additional sheet following the above format.

X There is no familial relationship that exists between the owner or any employee of the business entity contracted to do business with Cook County and any person holding elective office in the State of Illinois, Cook County, or in any municipality within Cook County.

To the best of my knowledge and belief, the information provided above is true and complete.

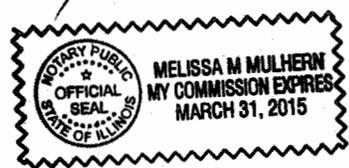
Kevin E. Lentz _____ August 20, 2014
Owner/Employee's Signature Date

Subscribe and sworn before me this 20 day of August, 2014.

a Notary Public in and for Cook County

Melissa M. Mulhern
(Signature)

NOTARY PUBLIC
SEAL



My Commission expires 03/31/15

Completed forms must be filed within 30 days of the execution of any contract or lease with Cook County and should be mailed to:

Cook County Board of Ethics
69 West Washington Street,
Suite 3040
Chicago, Illinois 60602

ECONOMIC DISCLOSURE STATEMENT

SIGNATURE BY A CORPORATION

(SECTION 9)

The Undersigned hereby certifies and warrants: that all of the statements, certifications and representations set forth in this EDS are true, complete and correct; that the Undersigned is in full compliance and will continue to be in compliance throughout the term of the Contract or County Privilege issued to the Undersigned with all the policies and requirements set forth in this EDS; and that all facts and information provided by the Undersigned in this EDS are true, complete and correct. The Undersigned agrees to inform the Chief Procurement Officer in writing if any of such statements, certifications, representations, facts or information becomes or is found to be untrue, incomplete or incorrect during the term of the Contract or County Privilege.

BUSINESS NAME: Knight E/A, Inc.

BUSINESS ADDRESS: 221 N. LaSalle Street, Suite 300
 Chicago, IL 60601

BUSINESS TELEPHONE: 312-577-3300 FAX NUMBER: 312-577-3526

CONTACT PERSON: Kevin E. Lentz, PE

FEIN: 37-1380560 *CORPORATE FILE NUMBER: 6027-996-9/184.00214

PLEASE LIST THE FOLLOWING OFFICERS: See attached

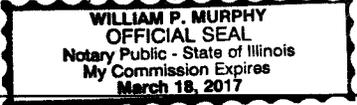
PRESIDENT: _____ VICE PRESIDENT: _____

SECRETARY: _____ TREASURER: _____

**SIGNATURE OF PRESIDENT: *[Signature]*

ATTEST: *[Signature]* (CORPORATE SECRETARY)

Subscribed to and sworn before me
this 20th day of August, 2014.
X *[Signature]*
Notary Public Signature

My commission expires: 3/18/17

Notary Seal

*If the corporation is not registered in the State of Illinois, a copy of the Certificate of Good Standing from the state of incorporation must be submitted with this Signature Page.

**In the event that this Signature Page is signed by any persons than the President and Secretary, attach either a certified copy of the corporate by-laws, resolution or other authorization by the corporation, authorizing such persons to sign the Signature Page on behalf of the corporation.

Knight E/A, Inc.
221 North LaSalle Street
Suite 200
Chicago, IL 60601-1211

Telephone (312) 577-3300
Fax (312) 577-3521
www.knight-a.com



KNIGHT E/A, INC.

A Wholly Owned Subsidiary of Knight Partners, LLC – (100%)

Directors

Kevin E. Lentz, PE

William P. Murphy, SE, PE, RA

Officers

James E. Wolfe

Chairman, Chief Executive Officer

Kevin E. Lentz

President

Melissa M. Mulhern

Treasurer & Secretary

ECONOMIC DISCLOSURE STATEMENT

COOK COUNTY SIGNATURE PAGE

(SECTION 10)

ON BEHALF OF THE COUNTY OF COOK, A BODY POLITIC AND CORPORATE OF THE STATE OF ILLINOIS, THIS CONTRACT IS
HEREBY EXECUTED BY:

Shirley E. M.

COOK COUNTY CHIEF PROCUREMENT OFFICER

DATED AT CHICAGO, ILLINOIS THIS 17 DAY OF September, 2014.

IN THE CASE OF A BID PROPOSAL, THE COUNTY HEREBY ACCEPTS:

THE FOREGOING BID/PROPOSAL AS IDENTIFIED IN THE CONTRACT DOCUMENTS FOR CONTRACT NUMBER

1455-13465

OR

ITEM(S), SECTION(S), PART(S): 14-130118-01-EG

TOTAL AMOUNT OF CONTRACT: \$ 4,448,770.11

(DOLLARS AND CENTS)

FUND CHARGEABLE: 5300.562140.4111

APPROVED BY BOARD OF
COOK COUNTY COMMISSIONERS

SEP 10 2014

APPROVED AS TO FORM:

Kenneth J. McKeel

ASSISTANT STATE'S ATTORNEY

(Required on contracts over \$1,000,000.00)

COM _____

EXHIBIT 1

Scope of Services

**SCOPE OF DESIGN SERVICES
TOUHY AVENUE (IL-72), FROM ELMHURST AVENUE TO MOUNT PROSPECT ROAD
COOK COUNTY, ILLINOIS**

I. PROJECT DESCRIPTION

This PROJECT is to provide design engineering services for preparation of contract plans and specifications and project related permits for the proposed construction of Touhy Ave (IL-72) between Elmhurst Road and Mount Prospect Road within Cook County, Illinois. The CONSULTANT may prepare contract documents for one or more construction packages. The Touhy Ave (IL-72) corridor construction is associated with the Elgin O'Hare Western Access (EOWA) project as part of the Illinois Tollway's (TOLLWAY) *Move Illinois* Program. Phase I engineering studies and concept design plans for the Touhy Ave corridor have been prepared by others as part of the overall EOWA project.

The PROJECT consists of three major construction elements that are depicted in the attached "Touhy (IL 72) Construction Elements" graphic. A brief description of each construction segment, as well as the anticipated source funding for each, is provided below:

A. Elmhurst Road and Touhy Avenue Intersection

Construction of this segment includes rehabilitation and median improvements to existing local and arterial roadways at the existing Elmhurst Road and Touhy Avenue intersection, widening of northbound Elmhurst Road, traffic signal improvements/installation, as well as construction of the quadrant bypass connector roadway from Old Higgins Road to Touhy Avenue. The majority of these improvements are eligible for CMAQ funding, and this segment is expected to be CMAQ and local match funded.

B. Touhy Avenue over Union Pacific Railroad (UPRR)

Construction of this segment includes construction of a new grade separation carrying Touhy Avenue over the UPRR, as well as potential realignment and reconstruction of the Touhy Avenue and Mount Prospect Road intersection as required to accommodate the new grade separation. These improvements are eligible for CMAQ funding, and this segment is expected to be CMAQ and local match funded.

C. Touhy Avenue over West Bypass

This segment includes construction of improvements to approximately 1100 ft of Touhy Avenue between the two CMAQ funded sections. The scope of improvements in this segment includes construction of a new grade separation carrying Touhy Avenue over the future West Bypass. This portion of the work is not CMAQ funding eligible and would be funded by the Tollway.

II. ITEMS OF WORK TO BE INCLUDED IN CONTRACT

The CONSULTANT services under the CONTRACT shall consist of the preparation of contract plans and specifications for the above described project, together with the identification of potential utility conflicts as per the requirements of the respective jurisdictional agencies.

The design criteria and policies, Standard Specifications, materials and construction requirements of IDOT shall apply to all portions of the improvement under IDOT jurisdiction. The design criteria and policies, Standard Specifications, materials and construction requirements of the Illinois State Toll Highway Authority shall apply to all portions of the improvement under TOLLWAY jurisdiction. The design criteria and policies, materials and construction requirements of other applicable local agency criteria shall apply outside the IDOT and TOLLWAY jurisdiction area. Multiple agencies criteria/jurisdiction is involved with this project.

More specifically, the project improvements require design tasks for which design services shall be provided by the CONSULTANT to include, but not be limited to the following:

A. CONCEPT DESIGN REQUIREMENTS

The CONSULTANT will be responsible for reviewing the Phase I Engineering documents completed to date as referenced above. The CONSULTANT review shall include, but not necessarily be limited to the following:

1. Project scope.
2. Project budget.
3. Project schedule. The CONSULTANT shall confirm or provide a recommendation as to the construction schedule for proposed construction contract packages within the contract limits.
4. Project concept review including geometrics, materials, maintenance of traffic, drainage, number of construction contracts, design criteria, cost benefit analysis, alternatives analysis and all other appurtenant and miscellaneous items.
5. Design Criteria Review.
6. Design Exceptions prepared to date.
7. Review of utility coordination and utilities studies performed to date, perform a field review and submit Notice of Interference forms. The CONSULTANT is responsible for Utility Coordination in accordance with the CONSULTANT Manual.
8. Review of Phase I environmental documents (including Tier Two EIS) to confirm potential issues related to biological, cultural, noise, air, hazardous/special waste, pedestrian/bike accommodations, land use, zoning, etc. Potential need for preparation of TOLLWAY ESIS form to be confirmed.
9. Review Coordination with IDOT, regulatory and local agencies performed to date and confirm commitments and future required action including identification of agreements and municipal/county design issues.
10. Confirmation of ROW requirements established in concept design.

B. SURVEY

1. The CCDOTH will assemble and provide available survey information to the CONSULTANT. The TOLLWAY will establish a centerline and benchmarks for subsequent use by CONSULTANT. The CONSULTANT will review the survey information and coordinate discrepancies with CCDOTH. Additional benchmarks to be provided by CONSULTANT as required. Since survey was gathered by a number of sources (TOLLWAY, IDOT, and OMP) CCDOTH will be the single source to provide data to selected CONSULTANT.
2. The CONSULTANT shall perform all survey work necessary for the design of the project in accordance with CCDOTH requirements, or as required for compliance with governing design criteria to provide a complete and acceptable design.
3. Maximum use should be made of IDOT and other agencies' record drawings; however it is the CONSULTANT's responsibility to verify all topography in the field.

C. PRELIMINARY AND FINAL ROADWAY DESIGN ENGINEERING

1. Preparation of preliminary, pre-final and final contract documents, special provisions, design, cost estimates and quantity calculations and construction schedule to be reviewed by CCDOTH, IDOT and TOLLWAY.
2. Utilize existing aerial mapping, including contours for developing exhibits, etc.
3. Provide design of appropriate landscaping accordance with IDOT and local agency criteria and as defined in the Concept Design report.
4. The CONSULTANT shall provide pavement markings, delineators and signage for the contract limits as defined by IDOT BDE, IL MUTCD and local requirements.
5. The CONSULTANT shall provide barrier warrant analysis for all necessary locations and installation of guardrail, anchors and terminals to conform to the current AASHTO Guidelines and IDOT criteria.
6. The CONSULTANT shall coordinate traffic staging and maintenance of traffic for the corridor with IDOT and Local Agencies. The coordination shall include ensuring that regional impacts are minimized and that traffic is maintained during construction. A Traffic Management Plan, as prescribed by IDOT requirements, will be prepared by others as part of the overall EOWA project and provided to the CONSULTANT.
7. The CONSULTANT shall prepare appropriate maintenance of traffic plans and special provisions in accordance with IDOT BDE manual, MUTCD and information provided by IDOT/CCDOH.
8. The CONSULTANT shall prepare a suggested progress schedule for the work. The contract completion dates shall be coordinated between design contracts and surrounding projects.

D. STRUCTURAL CONSTRUCTION AND MODIFICATION

1. Bridge condition reports and detailed inspections of the Touhy Avenue twin 13.5' x 8' box culvert (SN 016-0974) at Higgins Creek within the project limits have not been prepared and no repairs are currently anticipated at this location. The CONSULTANT will perform a review of the condition of the existing bridge/culvert to confirm whether structural improvements are necessary.
2. The CONSULTANT will prepare Type, Size and Location plans for proposed bridges and retaining walls within the project limits. Proposed bridges include the Touhy Avenue (IL-72) bridge over the future Western Bypass Corridor and the Touhy Avenue (IL-72) bridge over UPRR. Proposed retaining walls are indicated in the concept design plans and are to be verified by the CONSULTANT as part of this contract. These plans will be prepared in accordance with IDOT and TOLLWAY criteria to determine the appropriate structural configuration.
3. The CONSULTANT will prepare Type, Size, and Location Drawings for bridges and retaining walls proposed and submit to IDOT Bureau of Bridges and Structures (BBS) for approval. Concurrently, the CONSULTANT will prepare Structure Report, BBS Form 153 in accordance with IDOT Bridge Manual.
4. Upon receipt of the approval for the TS&L from IDOT, the CONSULTANT will prepare a Plan Development Outline in accordance with the IDOT Bridge Manual.
5. Upon receipt of PDO approval, the CONSULTANT will initiate and prepare Final Bridge Plans in accordance with the IDOT Bridge Manual.

E. DRAINAGE

1. The existing drainage included in the Concept Plan will be reviewed by the CONSULTANT to determine level of completeness and to identify potential additional drainage survey requirements.
2. Drainage calculations including culvert and storm sewer sizing will be provided by CONSULTANT.
3. Analysis of alternatives for the proposed drainage system will be required by CONSULTANT. Anticipated alternative includes the staging of the proposed drainage improvements, detention alternatives, and best management practices.
4. The concept proposed drainage plan and profile sheets will be completed by CONSULTANT to display the proposed drainage design. The proposed right-of-way and easement requirements will be evaluated to accommodate the proposed drainage design.
5. The CONSULTANT shall provide erosion control for all construction zones.

F. PERMITS

1. The CCDOTH is responsible for FAA approval and preparation of 7460 permit applications. The CONSULTANT will be responsible to support the CCDOTH with permit submittals including furnishing plans, calculations, etc. as required. *Note to reviewers – responsibility for 7460 permit applications/coordination to be confirmed.*
2. The TOLLWAY will provide a comprehensive inventory of required permits for the overall EOWA project, secure select permits and approvals and support coordination of other required permits to be secured by the CCDOTH/CONSULTANT. The CONSULTANT will review and confirm the overall permits inventory as identified by the TOLLWAY. The CCDOTH will meet with the various agencies to determine further requirements. The CONSULTANT will support the CCDOTH in securing other required construction permits in conformance with the established schedule. The CCDOTH will ensure that permits are acquired and consistent with construction schedules and CONSULTANT submittals. The CONSULTANT will be required to furnish plans, calculations, etc. as required for permit submittals. The CONSULTANT shall coordinate permit requirements with the CCDOTH throughout the design phase.
3. The TOLLWAY is responsible for securing the overall comprehensive 404/401 permit for the EOWA corridor of which this PROJECT is a part of. The CONSULTANT will submit preliminary drainage, grading, landscaping, and erosion control plans to the TOLLWAY/ACOE to ensure compliance with the conditions of the overall 404/401 permit for the corridor. Any comments from TOLLWAY/ACOE related to complying with the overall corridor 404/401 permit will need to be resolved and incorporated into the contract documents by the CONSULTANT prior to the final plan submittal.

G. ENVIRONMENTAL STUDIES AND REPORTS

1. Determine and evaluate potential environmental impacts and meet environmental commitments for the PROJECT as outlined in the Tier 2 Final Environmental Impact Statement.
2. The IDOT has prepared an initial Preliminary Environmental Site Assessment (PESA) for the subject corridor. The CONSULTANT shall review and incorporate into further environmental studies.
3. The CONSULTANT will follow requirements for Preliminary Site Investigation as outlined in IDOT BDE manual.

H. UTILITIES

1. The CONSULTANT shall coordinate with utility companies and with the TOLLWAY/IDOT throughout the design phase. The CONSULTANT shall be responsible for ensuring that utility relocation activities are consistent with contract schedules.
2. The CONSULTANT will be required to provide a copy of the agency utility contact log on a monthly basis.

3. Verify location of existing communications cables and utilities with respect to the proposed improvements.

4. All utilities coordination shall be performed in accordance with appropriate jurisdictional requirements as applicable.

I. GEOTECHNICAL

1. For the bridges, retaining walls, lighting foundations, and traffic signal foundations the CONSULTANT will select proposed boring locations for approval by the CCDOTH in accordance with IDOT criteria. The CONSULTANT will be responsible for obtaining right of entry and permits to perform any subsurface exploration. Laboratory testing of selected soil samples will be performed by CONSULTANT.

2. The CONSULTANT will provide subsurface exploration, utility checks, laboratory testing, and a Soil survey Report for approximately 10,000 feet of roadways. Pavement corings will be taken at locations selected by CONSULTANT to gather information for pavement design. IDOT will provide the pavement design to the CONSULTANT.

3. The CONSULTANT will prepare a Structural Geotechnical Report (SGR) that summarizes the exploration and studies described above. The SGR will follow the IDOT SGR checklist as appropriate for this PROJECT. The SGR contains geotechnical recommendations related to bridge foundations, retaining wall foundations, slope walls, side slopes, pavement, lighting foundations, and traffic signal foundations.

J. LIGHTING

1. The CONSULTANT is will follow requirements for preparation of lighting plans as outlined in IDOT BDE manual. The photometric calculations and preliminary voltage drop calculations shall also be submitted with plans.

K. TRAFFIC SIGNALS

1. The CONSULTANT shall prepare traffic signal plans and details in accordance with the approved IDS to be provided to the consultant, IDOT BDE manual and IL MUTCD.

L. RAILROADS

1. All coordination with UPRR shall be conducted through CCDOTH/TOLLWAY and per project requirements.

M. LAND ACQUISITION

1. The TOLLWAY will continue to provide overall oversight and responsibility for land acquisition, including appraisal, negotiations, right of way conveyance post construction and relocation as required.

2. The CONSULTANT will prepare plat of highways documents for parcels impacted by project to TOLLWAY standards.

N. AGREEMENTS

1. The CONSULTANT will pursue intergovernmental agreements with IDOT, Local Agencies and the TOLLWAY as necessary to complete the PROJECT. Responsibility for preparation of IGA's to be confirmed.

III. ITEMS TO BE FURNISHED TO CONSULTANT

1. Digital Ortho-imagery, contours, horizontal and vertical survey control and center lines of the project limits.
2. Approved IDOT Intersection Design Studies for intersections within subject project limits. These include Touhy/Elmhurst, Touhy/Old Higgins, Elmhurst/Old Higgins, Touhy/Mount Prospect, and Touhy/West Bypass.
3. All other reports and engineering submittals performed to date (as required).

IV. PROJECT SCHEDULE

Please note that the "Touhy Avenue over UPRR" and the "Touhy Avenue over West Bypass" segments are tentatively proposed to be advanced as one construction contract.

<i>Activity</i>	<i>Start Date</i>	<i>Finish Date</i>
Design Services Procurement	1/2/2014	9/26/2014
Design	10/1/2014	10/6/2016
Pre-60% Design	10/1/2014	3/31/2015
60% Design	4/1/2015	10/29/2015
95% Design	10/30/2015	5/30/2016
100% Design	5/31/2016	6/22/2016
PSI Testing	10/30/2015	6/22/2016
Construction Procurement	9/30/2016	3/23/2017
Construction Services Procurement	9/1/2015	5/30/2016
Construction (Elmhurst Rd/Touhy Ave Intersection)	3/24/2017	9/24/2018
Construction (Touhy Ave/UPRR and Touhy Ave/West Bypass Grade Separation)	3/24/2018	12/26/2019

KEY PERSONNEL

Design Section: 14-13018-01-EG

Project Manager	Dan Szwaya, PE
Project Engineer	Jeff Spiekermann, PE
Roadway Design Engineer	Pat O'Brien, PE
Structural Design Engineer	William Murphy, SE, RA
Drainage Design Engineer	James Mitchell, PE
QC/QA Roadway	Chuck Sommer, PE
QC/QA Structures	Frank Williams, SE, PE

EXHIBIT 2

Schedule of Compensation

**PAYROLL ESCALATION TABLE
FIXED RAISES**

FIRM NAME
PRIME/SUPPLEMENT

Knight E/A, Inc.
Prime

DATE 08/12/14
PTB NO. 1455-13465

CONTRACT TERM
START DATE
RAISE DATE

30 MONTHS
10/1/2014
7/1/2015

OVERHEAD RATE 121.30%
COMPLEXITY FACTOR 0
% OF RAISE 3.00%

ESCALATION PER YEAR

10/1/2014 - 7/1/2015
9
30

= 30.00%
= 1.0303

7/2/2015 - 7/1/2016
12
30

41.20%

7/2/2016 - 4/1/2017
9
30

31.83%

The total escalation for this project would be:

3.03%

PAYROLL RATES

FIRM NAME Knight E/A, Inc. DATE 08/12/14
 PRIME/SUPPLEMENT Prime
 CONTRACT No. 1455-13465

ESCALATION FACTOR 3.03%

CLASSIFICATION	CURRENT RATE	CALCULATED RATE
CEO, President, Sr. Vice President (20)	\$70.00	\$70.00
Vice President, Principal Engr., Planner, Arch (19)	\$68.82	\$70.00
Senior Administration (18)	\$47.28	\$48.71
Senior Engineer, Planner (17)	\$58.44	\$60.21
Senior Architect (16)	\$47.48	\$48.92
Project Engineer, Planner (15)	\$46.73	\$48.14
Project Architect (14)	\$33.63	\$34.65
Engineer III, Planner III (13)	\$42.50	\$43.79
Information Technology (12)	\$37.18	\$38.31
Architect III (11)	\$31.25	\$32.20
Engineer II, Planner II, Designer III (10)	\$34.69	\$35.74
Architect II (9)	\$24.04	\$24.77
Engineer I, Planner I, Designer II (8)	\$25.27	\$26.03
Architect I (7)	\$23.08	\$23.78
Marketing Coordinator, Accountant, Admin Assistant, Secretary (6)	\$21.77	\$22.43
Construction Technician (5)	\$18.87	\$19.44
Graphic Designer (4)	\$19.71	\$20.31
Engineer/Planner/Architect Intern (3)	\$10.50	\$10.82

**COST PLUS FIXED FEE
COST ESTIMATE OF CONSULTANT SERVICES**

FIRM
Knight E/A, Inc.
1455-13465
Prime

CONTRACT NO.
PRIME/SUPPLEMENT

DATE 08/19/14

1.213
0

**OVERHEAD RATE
COMPLEXITY FACTOR**

DBE DROP BOX	ITEM	MANHOURS (A)	PAYROLL (B)	OVERHEAD & FRINGE BENEFIT (C)	IN-HOUSE DIRECT COSTS (D)	FIXED FEE (E)	Outside Direct Costs (F)	SERVICES BY OTHERS (G)	DBE TOTAL (H)	TOTAL (B-G)	% OF GRAND TOTAL
	Project Administration / Coordination	1280	74,563.66	90,445.72		27,588.56				192,597.94	4.33%
	Site Visits	200	10,835.35	13,143.28		4,009.08				27,987.71	0.63%
	A. Data Review (Pre-60%)	2030	103,905.00	126,036.76		38,444.85				268,386.60	6.03%
DBE	B. Survey (ASE)							188,497.09	188,497.09	188,497.09	4.24%
	C. Preliminary and Final Roadway Engr. Roadway Plans	5196	195,445.94	237,075.93		72,315.00				504,836.87	11.35%
	Maintenance of Traffic Plans	2557	92,036.78	111,640.61		34,053.61				237,731.00	5.34%
	Cross-Sections/Earthwork	2250	88,905.09	107,841.87		32,894.88				229,641.85	5.16%
	Pavement Marking/Signing	340	14,122.74	17,130.88		5,225.41				36,479.02	0.82%
	Construction Schedule	100	5,509.68	6,683.24		2,038.58				14,231.50	0.32%
	D. Structural										
	TS&L/Structural Plans (Bridges)	3112	147,481.63	178,895.22		54,568.20				380,945.05	8.56%
DBE	TS&L/Structural Plans (RW/Culverts) (RME)							300,764.51	300,764.51	300,764.51	6.76%
	E. Drainage Plans and Calculations	2362	102,233.98	124,009.82		37,826.57				264,070.37	5.94%
	F. Permits	500	24,231.95	29,393.36		8,965.82				62,591.13	1.41%
	G. Environmental Studies/Coordination	220	11,275.27	13,676.91		4,171.85				29,124.04	0.65%
	H. Utility Coordination	550	29,830.44	36,184.32		11,037.26				77,052.02	1.73%
DBE	I. Geotechnical (Wang)							444,523.76	444,523.76	444,523.76	9.99%
DBE	J. Lighting (Singh)							112,402.87	112,402.87	112,402.87	2.53%
DBE	K. Traffic Signals	510	22,045.61	26,741.33		8,156.88		13,636.46	13,636.46	70,580.28	1.59%
	L. Railroad/ICC Coordination	240	14,450.15	17,528.04		5,346.56				37,324.75	0.84%
DBE	M. Land Acquisition (ASE)							91,787.93	91,787.93	91,787.93	2.06%
	N. Agreements Coordination	120	7,225.08	8,764.02		2,673.28				18,662.38	0.42%
	Opinion of Construction Cost	240	14,450.15	17,528.04		5,346.56				37,324.75	0.84%
	Special Provisions	240	12,278.55	14,893.88		4,543.06				31,715.50	0.71%
	Bid Support	80	4,246.98	5,151.59		1,571.38				10,969.95	0.25%
	Structural Shop Drawing Review	120	6,568.18	7,967.20		2,430.23				16,965.60	0.38%
	QA/QC	800	44,547.84	54,036.54		16,482.70	143,393.60			115,067.08	2.59%
	Direct Costs									143,393.60	3.22%
DBE	Roadway Plan Assistance (TRG)							149,299.87	149,299.87	149,299.87	3.36%
DBE	Erosion Control (TRG)							50,733.09	50,733.09	50,733.09	1.14%
DBE	Subsurface Utility Engineering (ASE)							101,583.92	101,583.92	101,583.92	2.28%
DBE	Landscaping (Terra)							128,617.05	128,617.05	128,617.05	2.89%
	Subconsultant DL	23,047	1,026,190.06	1,244,768.54	0.00%	452,571.36	143,393.60	1,581,846.55	1,581,846.55	4,448,770.11	100.00%
	TOTALS										

Consultant	% Participation	Consultant	% Participation
Terra Eng.	2.89%	ASE	8.58%
Singh	2.83%	TRG	4.50%
RME	6.77%	Wang	9.99%

MBE/WBE = 35.6%

AVERAGE HOURLY PROJECT RATES

Knight E/A, Inc.
1455-13465
Prime

FIRM
Contract No.
PRIME/SUPPLEMENT

DATE 08/19/14

SHEET 1 OF 5

PAYROLL CLASSIFICATION	AVG HOURLY RATES			TOTAL PROJECT RATES			Project Administration / Coordination			Site Visits			A. Data Review (Pre-60%)			B. Survey (ASE)			Roadway Plans					
	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg			
CEO, President, Sr. Vice President (20)	0			0			0			0														
Vice President, Principal Engr., Planner, Arch (19)	272	1.18%	0.83	272	1.18%	0.83	40	3.13%	2.19															
Senior Administration (18)	0			0																				
Senior Engineer, Planner (17)	6142	26.65%	16.05	6142	26.65%	16.05	1000	78.13%	47.04	100	50.00%	30.10	810	39.90%	24.02	600	11.55%		40	0.77%		0.54		
Senior Architect (16)	0			0																				
Project Engineer, Planner (15)	5003	21.71%	10.45	5003	21.71%	10.45	240	18.75%	9.03	100	50.00%	24.07	800	39.41%	18.97	1056	20.32%					9.78		
Project Architect (14)	20	0.09%	0.03	20	0.09%	0.03																		
Engineer III, Planner III (13)	2830	12.28%	5.38	2830	12.28%	5.38							200	9.85%	4.31									
Information Technology (12)	0			0																				
Architect III (11)	0			0																				
Engineer II, Planner II, Designer III (10)	4460	19.35%	6.92	4460	19.35%	6.92							220	10.84%	3.87	1500	28.87%					10.32		
Architect II (9)	0			0																				
Engineer I, Planner I, Designer II (8)	4320	18.74%	4.88	4320	18.74%	4.88										2000	38.49%					10.02		
Architect I (7)	0			0																				
Marketing Coordinator, Accountant, Admin Assistant, Secretary (6)	0			0																				
Construction Technician (5)	0			0																				
Graphic Designer (4)	0			0																				
Engineer/Planner/Architect Intern (3)	0			0																				
	0			0																				
	0			0																				
	0			0																				
	0			0																				
	0			0																				
	0			0																				
	0			0																				
	0			0																				
TOTALS	23047	100%	\$44.53	23047	100%	\$44.53	1280	100.00%	\$58.25	200	100%	\$54.18	2030	100%	\$51.18	5196	100%	\$0.00	0	0%				\$37.61

AVERAGE HOURLY PROJECT RATES

FIRM
Knight EIA, Inc.
1455-13465
Prime

Contract No.
PRIME/SUPPLEMENT

DATE 08/19/14

SHEET 2 OF 5

PAYROLL CLASSIFICATION	AVG HOURLY RATES		Maintenance of Traffic Plans		Cross-Sections/Earthwork		Pavement Marking/Signing		Construction Schedule		TS&L/Structural Plans (Bridges)		TS&L/Structural Plans (RW/Culverts) (RME)								
	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg						
CEO, President, Sr. Vice President (20)	70.00																				
Vice President, Principal Engr., Planner, Arch (19)	70.00																				
Senior Administration (18)	48.71																				
Senior Engineer, Planner (17)	60.21			80	3.13%	1.88	200	8.89%	5.35	40	11.76%	7.08	80	80.00%	48.17						
Senior Architect (16)	48.92																				
Project Engineer, Planner (15)	48.14			677	26.48%	12.75				80	23.53%	11.33	1400	44.99%	21.66						
Project Architect (14)	34.65																				
Engineer III, Planner III (13)	43.79						1050	46.67%	20.43				700	22.49%	9.85						
Information Technology (12)	38.31																				
Architect III (11)	32.20																				
Engineer II, Planner II, Designer III (10)	35.74			800	31.29%	11.18	500	22.22%	7.94	220	64.71%	23.13	100	3.21%	1.15						
Architect II (9)	24.77																				
Engineer I, Planner I, Designer II (8)	26.03			1000	39.11%	10.18	500	22.22%	5.79				320	10.28%	2.68						
Architect I (7)	23.78																				
Marketing Coordinator, Accountant, Admin Assistant, Secretary (6)	22.43																				
Construction Technician (5)	19.44																				
Graphic Designer (4)	20.31																				
Engineer/Planner/Architect Intern (3)	10.82																				
TOTALS				2557	100%	\$35.99	2250	100%	\$39.51	340	100%	\$41.54	100	100%	\$55.10	3112	100%	\$47.39	0	0%	\$0.00

AVERAGE HOURLY PROJECT RATES

FIRM
Knight E/A, Inc.
1455-13465
Prime

Contract No.
PRIME/SUPPLEMENT

DATE 08/12/14

SHEET 3 **OF** 5

PAYROLL CLASSIFICATION	AVG HOURLY RATES	E. Drainage Plans and Calculations			F. Permits			G. Environmental Studies/Coordination			H. Utility Coordination			I. Geotechnical (Wang)			J. Lighting (Singh)			
		Hours	%	Wgtd Avg	Hours	%	Wgtd Avg	Hours	%	Wgtd Avg	Hours	%	Wgtd Avg	Hours	%	Wgtd Avg	Hours	%	Wgtd Avg	
CEO, President, Sr. Vice President (20)	70.00																			
Vice President, Principal Engr., Planner, Arch (19)	70.00																			
Senior Administration (18)	48.71																			
Senior Engineer, Planner (17)	60.21	762	32.26%	19.42	260	52.00%	31.31	100	45.45%	27.37	350	63.64%	38.31							
Senior Architect (16)	48.92																			
Project Engineer, Planner (15)	48.14																			
Project Architect (14)	34.65																			
Engineer III, Planner III (13)	43.79	500	21.17%	9.27				120	54.55%	23.88	200	36.36%	15.92							
Information Technology (12)	38.31																			
Architect III (11)	32.20																			
Engineer II, Planner II, Designer III (10)	35.74	600	25.40%	9.08	240	48.00%	17.16													
Architect II (9)	24.77																			
Engineer I, Planner I, Designer II (8)	26.03	500	21.17%	5.51																
Architect I (7)	23.78																			
Marketing Coordinator, Accountant, Admin Assistant, Secretary (6)	22.43																			
Construction Technician (5)	19.44																			
Graphic Designer (4)	20.31																			
Engineer/Planner/Architect Intern (3)	10.82																			
TOTALS		2362	100%	\$43.28	500	100%	\$48.46	220	100%	\$51.25	550	100%	\$54.24	0	0%	\$0.00	0	0%	\$0.00	

AVERAGE HOURLY PROJECT RATES

FIRM
Knight E/A, Inc.
1455-13465
PRIME/SUPPLEMENT
Prime

DATE 08/12/14

SHEET 4 **OF** 5

PAYROLL CLASSIFICATION	AVG HOURLY RATES	K. Traffic Signals			L. Railroad/ICC Coordination			M. Land Acquisition (ASE)			N. Agreements Coordination			Opinion of Construction Cost			Special Provisions				
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg		
CEO, President, Sr. Vice President (20)	70.00																				
Vice President, Principal Engr., Planner, Arch (19)	70.00																				
Senior Administrator (18)	48.71																				
Senior Engineer, Planner (17)	60.21	80	15.69%	9.44	240	100.00%	60.21					120	100.00%	60.21	240	100.00%	60.21	60	25.00%	15.05	
Senior Architect (16)	48.82																				
Project Engineer, Planner (15)	48.14	150	29.41%	14.16																	
Project Architect (14)	34.65																				
Engineer III, Planner III (13)	43.79																				
Information Technology (12)	38.31																				
Architect III (11)	32.20																				
Engineer II, Planner II, Designer III (10)	35.74	280	54.90%	19.62																	
Architect II (9)	24.77																				
Engineer I, Planner I, Designer II (8)	26.03																				
Architect I (7)	23.78																				
Marketing Coordinator, Accountant, Admin Assistant, Secretary (6)	22.43																				
Construction Technician (5)	19.44																				
Graphic Designer (4)	20.31																				
Engineer/Planner/Architect Intern (3)	10.82																				
TOTALS		510	100%	\$43.23	240	100%	\$60.21	0	0%	\$0.00	120	100%	\$60.21	240	100%	\$60.21	240	100%	240	100%	\$51.16

AVERAGE HOURLY PROJECT RATES

FIRM
Knight E/A, Inc.
Contract No.
1455-13465
PRIME/SUPPLEMENT
Prime

DATE
08/12/14

SHEET 5 **OF** 5

PAYROLL CLASSIFICATION	AVG HOURLY RATES	Bid Support			Structural Shop Drawing Review			QA/QC								
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
CEO, President, Sr. Vice President (20)	70.00															
Vice President, Principal Engr., Planner, Arch (19)	70.00															
Senior Administration (18)	48.71															
Senior Engineer, Planner (17)	60.21	40	50.00%	30.10	80	66.67%	40.14	500	62.50%	37.63						
Senior Architect (16)	48.92															
Project Engineer, Planner (15)	48.14	20	25.00%	12.04				300	37.50%	18.05						
Project Architect (14)	34.65															
Engineer III, Planner III (13)	43.79	20	25.00%	10.95	40	33.33%	14.60									
Information Technology (12)	38.31															
Architect III (11)	32.20															
Engineer II, Planner II, Designer III (10)	35.74															
Architect II (9)	24.77															
Engineer I, Planner I, Designer II (8)	26.03															
Architect I (7)	23.78															
Marketing Coordinator, Accountant, Admin Assistant, Secretary (6)	22.43															
Construction Technician (5)	19.44															
Graphic Designer (4)	20.31															
Engineer/Planner/Architect Intern (3)	10.82															
TOTALS		80	100%	\$53.09	120	100%	\$54.73	800	100%	\$55.68	0	0%	\$0.00	0	0%	\$0.00

American Surveying & Engineering, P.C.

Surveyors ♦ Engineers ♦ Geodesists ♦ Mapping Scientists

Project: Touhy Ave Design (IL 72) **Agent:** Knight Engineers/Architects
Location: Elmhurst Ave to Mount Prospect Rd. **Owner:** Cook County Department of Transportation and Highways
Job Name: **Date:** August 5, 2014 (Revised August 8, 2014)

ASE Proposal No.: 214104

SCOPE OF WORK

THE FOLLOWING TASKS WILL BE PERFORMED BY ASE AS PART OF THIS CONTRACT:

PROJECT SUMMARY:

This PROJECT is to provide design engineering services for preparation of contract plans and specifications and project related permits for the proposed construction of Touhy Ave (IL 72) between Elmhurst Road and Mount Prospect Road within Cook County, Illinois.

The PROJECT consists of three major construction elements that are depicted in the attached "Touhy (IL 72) Construction Elements" graphic. A brief description of each construction segment, as well as the anticipated source funding for each, is provided below:

A. Elmhurst Road and Touhy Avenue Intersection

Construction of this segment includes rehabilitation and median improvements to existing local and arterial roadways at the existing Elmhurst Road and Touhy Avenue intersection, widening of northbound Elmhurst Road, traffic signal improvements/installation, as well as construction of the quadrant bypass connector roadway from Old Higgins Road to Touhy Avenue. The majority of these improvements are eligible for CMAQ funding, and this segment is expected to be CMAQ and local match funded.

B. Touhy Avenue over Union Pacific Railroad (UPRR)

Construction of this segment includes construction of a new grade separation carrying Touhy Avenue over the UPRR, as well as potential realignment and reconstruction of the Touhy Avenue and Mount Prospect Road intersection as required to accommodate the new grade separation. These improvements are eligible for CMAQ funding, and this segment is expected to be CMAQ and local match funded.

C. Touhy Avenue over West Bypass

This segment includes construction of improvements to approximately 1100 ft of Touhy Avenue between the two CMAQ funded sections. The scope of improvements in this segment includes construction of a new grade separation carrying Touhy Avenue over the future West Bypass. This portion of the work is not CMAQ funding eligible and would be funded by the Tollway.

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Project: Touhy Ave Design (IL 72) **Agent:** Knight Engineers/Architects
Location: Elmhurst Ave to Mount Prospect Rd. **Owner:** Cook County Department of Transportation and Highways
Job Name: **Date:** August 5, 2014 (Revised August 8, 2014)

ASE Proposal No.: 214104

SCOPE OF WORK

PROJECT LIMITS:

The project's western terminus is Landmeier Road. The project continues along Higgins Road until the intersection with Touhy Ave and then continues along Touhy Ave ending at its eastern terminus at the intersection of Touhy Ave. and Touhy Court a distance of approximately 6,800 feet.

The project also extends approximately 800 north along Elmhurst Road from the intersection of Elmhurst Rd. and Touhy Ave. The project also extends approximately 600 feet south along Elmhurst Road from the intersection of Elmhurst Rd. and Touhy Ave. Project includes Estes Ave. from the Elmhurst Road – Estes Ave. intersection running west approximately 400 feet. Project also includes Old Higgins Road running east approximately 1,500 feet until the proposed new road ties into Touhy Ave. to the north.

American Surveying & Engineering, P.C. (ASE) will perform the following services with the following understanding:

- The CCDOTH will assemble and provide available survey information to ASE.
- The TOLLWAY will establish a centerline and benchmarks for subsequent use by ASE.
- ASE will review the survey information and coordinate discrepancies with CCDOTH.
- Additional benchmarks to be provided by ASE as required.
- Since survey was gathered by a number of sources (TOLLWAY, IDOT, and OMP) CCDOTH will be the single source to provide data to selected ASE.
- ASE shall perform all survey work necessary for the design of the project in accordance with CCDOTH requirements, or as required for compliance with governing design criteria to provide a complete and acceptable design.
- Maximum use should be made of IDOT and other agencies' record drawings; however, it is ASE's responsibility to verify all topography in the field.

GENERAL SCOPE ASSUMPTIONS:

ASE will have to access railroad ROW during the course of its performance on this project. The client will pay ASE for railroad protective liability insurance policies, flag person costs, and railroad access permit application fees as direct costs.

SURVEY STANDARDS:

- All survey work will be performed in U.S. Survey Feet, unless otherwise specified.
- Horizontal Data will be based upon a client-specified datum or NAD83, Illinois State Plane.
- Vertical Data will be NAVD 88 or client specified.

Page 2 of 6

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105 W. Madison St. * Suite 1700 * Chicago, IL 60602 * 312-277-2000 * FAX 312-277-2002
P.O. Box 8 * 841 N. Galena Ave. * Dixon, IL 61021 * 815-288-6231 * FAX 815-288-6277
888 S. Edgelawn Dr. * Suite 1759 * Aurora, IL 60506 * 630-897-4105 * FAX 630-897-4121

American Surveying & Engineering, P.C.

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Project: Touhy Ave Design (IL 72) **Agent:** Knight Engineers/Architects
Location: Elmhurst Ave to Mount Prospect Rd. **Owner:** Cook County Department of Transportation and Highways
Job Name: **Date:** August 5, 2014 (Revised August 8, 2014)

ASE Proposal No.: 214104

SCOPE OF WORK

Section A – Administration

1. ADMINISTRATION

- 1.1 Communication with Client and/or Client's Agent. In-house meetings. Progress reports, scheduling, invoicing, etc.
- 1.2 Technical direction of staff.
- 1.3 Project management, coordination.
- 1.4 Client meetings.

Section B – Supplemental Survey to Aerial Mapping

1. DATA COMPILATION & REVIEW

- 1.1 Records research, as required, and previous survey data.
- 1.2 Compile and index information, Survey Plats, and previous survey data.
- 1.3 Prepare compiled data for use by field personnel.

2. REVIEW/VERIFY HORIZONTAL & VERTICAL CONTROL

- 2.1 Search and reconnaissance for record control points. Recover and verify previous control points as required. Set secondary control to suitable density for terrestrial based 3-D LiDAR Scanning and conventional surveys.
- 2.2 Traverse/GPS/Digital Differential Level through found monuments to establish primary control and secondary control points.
- 2.3 Office calculations, adjustment, tabulations of coordinates, and working drawings. Prepare control report.

3. 3-D TERRESTRIAL LiDAR SCANNING OF PAVED AREAS

- 3.1 Densify project control by digital differential leveling, GPS, and conventional survey methods.
- 3.2 Measure existing paved surfaces within project limits using 3-D Terrestrial LiDAR Scanning.
- 3.3 Office calculations, adjustment, tabulations of coordinates, and working drawings.
- 3.4 CADD Drafting to CCDOH standards and specifications.

4. LOCATE UTILITY STRUCTURES AND UNDERGROUND UTILITY FACILITIES

- 4.1 Locate visible aboveground evidence of utility structures and facilities—manholes, catch basins, or other surface indications of subsurface facilities. (**Note:** Manholes or other confined spaces (as defined by OSHA) will not be entered, pumped, or cleaned. American Surveying & Engineering shall not be responsible for underground topographic information not physically locatable or any information provided by utility provider which is incorrect.)

American Surveying & Engineering, P.C.

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Project: Touhy Ave Design (IL 72) **Agent:** Knight Engineers/Architects
Location: Elmhurst Ave to Mount Prospect Rd. **Owner:** Cook County Department of Transportation and Highways
Job Name: **Date:** August 5, 2014 (Revised August 8, 2014)

ASE Proposal No.: 214104

SCOPE OF WORK

4.2 Detail Facilities and structures.

4.2.1 Inverts and pipe sizes in manholes and other underground facilities. Pipe size/type details will be verified, but will be a check on plan information only. If necessary, detail sheets will be drawn in the field and will be delivered to the client. No CADD details will be drawn and ASE will not connect underground facilities using CADD.

4.3 Office calculations, adjustment, tabulations of coordinates, and working drawings.

4.4 CADD Drafting to CCDOTH standards and specifications.

5. REVIEW/VERIFY EXISTING PROJECT MAPPING AND OTHER DATA FOR CHANGED CONDITIONS OR INACCURACIES

5.1 Verify the following visible, marked, or available from record topographic features: Point(s) of access to property(ies), sewers, culverts, and discharge pipes (including size and invert elevation), catch basins, inlets, fire hydrants, manholes, hand holes, traffic signals, wells, guard-rails, retaining walls, large and/or overhead signs, railroad tracks, fences, pavement, curbs, and other manmade improvements.

5.1.1 Verify Buildings. Dimension buildings with exterior dimensions at ground level.

5.1.2 Verify roadways, driveways, paved paths, and parking lots.

5.1.3 Verify fences and other evidence of occupation.

5.2 Verify conventional elevation surveys at intervals and at locations necessary to create DTM. (Note: elevations may be measured on random stationing and locations as required to create a Digital Terrain Model "DTM".)

5.2.1 Verified site elevations shall be obtained in order to provide client with a DTM. Verify elevation data at Right-of-Way, edge of sidewalks, centerline of driveways, edge of pavement, centerline of pavement, edge of curb, flow-line of curb and back of curb, and ground elevations at break points.

5.2.2 Elevations on paved surfaces will be obtained to 0.01 of a foot.

5.2.3 Elevations on other surfaces will be obtained to 0.10 of a foot.

5.3 Verify type (coniferous or deciduous only will be determined), size, and location of trees.

5.4 Perform field surveys in areas of changed conditions (assume 15%).

5.5 Office calculations for data, downloading, and editing.

5.6 CADD drafting and Digital Terrain Model (DTM).

American Surveying & Engineering, P.C.

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Project: Touhy Ave Design (IL 72) **Agent:** Knight Engineers/Architects
Location: Elmhurst Ave to Mount Prospect Rd. **Owner:** Cook County Department of Transportation and Highways
Job Name: **Date:** August 5, 2014 (Revised August 8, 2014)

ASE Proposal No.: 214104

SCOPE OF WORK

Section C – Subsurface Utility Engineering (SUE)

1. SUBSURFACE UTILITY ENGINEERING (SUE)

- 1.1 Assist utility coordination.
- 1.2 Field Locate Horizontal Location of Underground Utilities (SUE Level B).[Assume 31,000 feet of Level B.]
- 1.3 Obtain X, Y coordinates of surface representations of underground utilities.
- 1.4 Perform vacuum excavation to expose specified utilities at conflict locations for accurate tie-in location (SUE Level A).[Assume 20 test holes.]
- 1.5 Obtain X, Y, Z coordinates of individual tie-in locations.
- 1.6 Prepare drawing and coordinate table.
- 1.7 Use CAD files furnished by Knight to update drawings to reflect location of surveyed utilities.

Section D – Land Acquisition

1. VERIFY AND ESTABLISH EXISTING CENTERLINE AND RIGHT-OF-WAY FOR ENTIRE PROJECT

- 1.1 Review and Compile CCDOTH centerline records.
- 1.2 Search and recover existing monumentation.
- 1.3 Survey found monumentation.
- 1.4 Calculate Record Centerline and Record Right-of-Way.
- 1.5 Prepare Plat of Highways.

2. PREPARATION OF PLAT OF ACQUISITION DOCUMENTS AND LEGAL DESCRIPTIONS

2.1 LAND ACQUISITION SURVEYS (Assume 5 parcels not previously identified.)

- 2.1.1. Review title and boundary information.
- 2.1.2. Locate PLSS section corners.
- 2.1.3. Research for previously completed monument records and plats showing corner information. Compile and index.
- 2.1.4. Search and traverse to relocate and verify existing monumentation. Set & swing tie monuments.
- 2.1.5. Reduce field notes and calculate locations of section corners to verify existing corner locations.
- 2.1.6. If corner is existing, meeting Tollway standards—verify monument record, provide signed and sealed letter affirming this fact.
- 2.1.7. If corner or references have been destroyed or currently does not meet IDOT standards—re-set and prepare new Monument Record Plat and record.
- 2.1.8. Corners to be monumented and recorded in accordance with 765 ILCS 220.1-11.
- 2.1.9. Obtain location of field monuments and ties to occupation, as required.

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Project: Touhy Ave Design (IL 72) **Agent:** Knight Engineers/Architects
Location: Elmhurst Ave to Mount Prospect Rd. **Owner:** Cook County Department of Transportation and Highways
Job Name: **Date:** August 5, 2014 (Revised August 8, 2014)

ASE Proposal No.: 214104

SCOPE OF WORK

2.1.10 Download, edit, and reduce data. Office calculations of boundaries. Use property owner deed boundary information to prepare calculations. Office calculations to determine location of property owner deed boundaries, and existing ROW.

2.1.11 Prepare staking plan and stake ROW points.

2.2 LAND ACQUISITION PLATS AND DOCUMENTS (Assume 5 parcels not previously identified.)

(Draft planimetrics in Geopak/Microstation drawing format, using the Tollway CADD Standards)

2.2.1 Review Title and Right-of-Way survey documents, as necessary.

2.2.2 Prepare Plats of Acquisition (POA) as required, meeting the Tollway CADD Standards.

2.2.3 Prepare Legal Descriptions as required.

2.2.4 Update Tollway GIS (ESRI files) with required features.

Section E – Quality Assurance

1. QA/QC

1.1 Review contract documents and survey requirements to verify ASE project QA/QC requirements. Create QA/QC plan.

1.2 Periodic review and documentation of plan.

1.3 Final Review and report.

ASE WILL DELIVER TO CLIENT THE FOLLOWING ITEMS AS PART OF THIS WORK:

- Copies of field notes with reductions made.
- Hard and electronic (on CD) copies of drawings (in Geopak/MicroStation V8i/ESRI) as noted in above scope of work.
- Hard and soft copies of reports.

DIRECT COST ITEMS:

- Traffic Control (\$900 per day) Assume 13 days = \$11,700.
- Copy costs (\$10 ea.)

ITEMS TO BE SUPPLIED BY OTHERS:

- Record plans, including any previous survey information (if available).
- Any and all pertinent site information including, but not limited to, previous horizontal and vertical survey control survey information, existing aerial photography, Right-of-Way plans, center-line alignment, construction plans, and plats of highway will be furnished to ASE, at no cost to ASE, prior to commencement of field operations.
- Permission and access to closed or locked areas requiring access to complete the survey.
- Letter of Introduction and written authorization for access to subject property for ASE's services on subject site.



PROJECT: Touhy Ave Design

LOCATION: Touhy Ave - EOWA

CLIENT: Knight EJA

PROPOSAL No.: 214104

DATE: 8/8/2014

Section 1- Administration

TASK 1.0 Administration		Man Hours																					
ITEM	Description	PIC	PM	P/S/E 4	P/S/E 3	P/S/E 2	P/S/E 1	CADD	ST3	ST2	ST1	ROW 4	ROW 3	ROW 2	ROW 1	SUE 3	SUE 2	SUE 1	CONTR.	A/C 3	A/C 2	TOTAL	
1.1	Meetings, reports, scheduling, etc.			6	18																	1	25
1.2	Technical Direction of Staff	2		8	30																		40
1.3	Project management & coord.			1	16																		17
1.4	Client Meetings			120																			120
1.5																							0
1.6																							0
1.7																							0
1.8																							0
1.9																							0
TOTAL HOURS		2	135	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	202

Section 2- Supplemental Survey

TASK 1.0 Data Compilation		Man Hours																					
ITEM	Description	PIC	PM	P/S/E 4	P/S/E 3	P/S/E 2	P/S/E 1	CADD	ST3	ST2	ST1	ROW 4	ROW 3	ROW 2	ROW 1	SUE 3	SUE 2	SUE 1	CONTR.	A/C 3	A/C 2	TOTAL	
1.1	Data Research			4		16																1	21
1.2	Compile & Review data		2	8		16																	26
1.3	Catalog and transfer to field			4		16																	20
1.4																							0
1.5																							0
1.6																							0
1.7																							0
1.8																							0
1.9																							0
TOTAL HOURS		0	2	16	0	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	67

TASK 2.0 Horizontal & Vertical Control

TASK 2.0 Horizontal & Vertical Control		Man Hours																					
ITEM	Description	PIC	PM	P/S/E 4	P/S/E 3	P/S/E 2	P/S/E 1	CADD	ST3	ST2	ST1	ROW 4	ROW 3	ROW 2	ROW 1	SUE 3	SUE 2	SUE 1	CONTR.	A/C 3	A/C 2	TOTAL	
2.1	Recon. & locate existing mon's.			1		1			10	10												1	23
2.2	Traverse/GPS & Differential Level		1	1		3			40	40													85
2.3	Office Calc's.		1	2		8																	11
2.4																							0
2.5																							0
2.6																							0
2.7																							0
2.8																							0
2.9																							0
TOTAL HOURS		0	2	4	0	12	0	0	50	50	0	0	0	0	0	0	0	0	0	0	0	1	119

TASK 3.0 3-D Terrestrial LIDAR

TASK 3.0 3-D Terrestrial LIDAR		Man Hours																					
ITEM	Description	PIC	PM	P/S/E 4	P/S/E 3	P/S/E 2	P/S/E 1	CADD	ST3	ST2	ST1	ROW 4	ROW 3	ROW 2	ROW 1	SUE 3	SUE 2	SUE 1	CONTR.	A/C 3	A/C 2	TOTAL	
3.1	Densify control					1			10	10												1	22
3.2	Perform LIDAR survey		1	2		5			50	50													108
3.3	Office calculations			16		40																	56
3.4	CADD Drafting to CCDOTH Stan.			12		24		80															116
3.5																							0
3.6																							0
3.7																							0
3.8																							0
3.9																							0
TOTAL HOURS		0	1	30	0	70	0	80	60	60	0	0	0	0	0	0	0	0	0	0	0	1	302



AMERICAN
ENGINEERING & CONSTRUCTION, LLC

PROJECT: Touhy Ave Design
LOCATION: Touhy Ave - EOWA
CLIENT: Knight E/A

PROPOSAL No. 214104
DATE: 8/8/2014

TASK 4.0 Underground Utility Structure		Man Hours																					
ITEM	Description	PIC	PM	P S/E 4	P S/E 3	P S/E 2	P S/E 1	CADD	ST3	ST2	ST1	ROW 4	ROW 3	ROW 2	ROW 1	SUE 3	SUE 2	SUE 1	CONTR.	A/C 3	A/C 2	TOTAL	
4.1	Locate visible evidence			2		5			50	50												1	108
4.2	Detail Structures		1	3		8			80	80													172
4.3	Office calculations			4		16																	20
4.4	CADD Drafting		2	4		12		40															58
4.5																							0
4.6																							0
4.7																							0
4.8																							0
4.9																							0
TOTAL HOURS		0	3	13	0	41	0	40	130	130	0	0	0	0	0	0	0	0	0	0	0	1	358

TASK 5.0 Review Project Mapping		Man Hours																					
ITEM	Description	PIC	PM	P S/E 4	P S/E 3	P S/E 2	P S/E 1	CADD	ST3	ST2	ST1	ROW 4	ROW 3	ROW 2	ROW 1	SUE 3	SUE 2	SUE 1	CONTR.	A/C 3	A/C 2	TOTAL	
5.1	Verify visible from records.					1			10	10												1	22
5.2	Verify/measure pavement elevation.			1		2			20	20													43
5.3	Verify trees size and location			8		32			150	150													340
5.4	Survey changed conditions					1			12	12													25
5.5	Office calculations		1	4		16																	21
5.6	CADD drafting							40															40
5.7																							0
5.8																							0
5.9																							0
TOTAL HOURS		0	1	13	0	52	0	40	192	192	0	0	0	0	0	0	0	0	0	0	0	1	491

Section C - Subsurface Utility Engineering

TASK 1.0 SUE		Man Hours																					
ITEM	Description	PIC	PM	P S/E 4	P S/E 3	P S/E 2	P S/E 1	CADD	ST3	ST2	ST1	ROW 4	ROW 3	ROW 2	ROW 1	SUE 3	SUE 2	SUE 1	CONTR.	A/C 3	A/C 2	TOTAL	
1.1	Assist Utility Coordination			8		40																	48
1.2	Level B			8		30										200	200						438
1.3	Survey Level B		4	24		40		80								50	50						248
1.4	Level A															74	74	74					222
1.5	Survey Level A		1	8		12		23								23	23	23					113
1.6	Prepare drawing and table		1	8		12		30															51
1.7	Update CAD files			6		12		32															50
1.8																							0
1.9																							0
TOTAL HOURS		0	6	62	0	146	0	165	0	0	0	0	0	0	0	347	347	97	0	0	0	1170	

Section D - Land Acquisition

TASK 1.0 Establish CL and ROW		Man Hours																					
ITEM	Description	PIC	PM	P S/E 4	P S/E 3	P S/E 2	P S/E 1	CADD	ST3	ST2	ST1	ROW 4	ROW 3	ROW 2	ROW 1	SUE 3	SUE 2	SUE 1	CONTR.	A/C 3	A/C 2	TOTAL	
1.1	Compile CCDOTH records					16																1	17
1.2	Recover existing monumentation					8			20	20													48
1.3	Survey recovered monumentation					12			30	30													72
1.4	Calculate Record CL and ROW		2	8		40		40															90
1.5	Prepare Plat of Highways		8	16	100			300	50	50													524
1.6																							0
1.7																							0
1.8																							0
1.9																							0
TOTAL HOURS		0	10	24	100	76	0	340	100	100	0	0	0	0	0	0	0	0	0	0	0	1	751

TASK 2.0 Prepare Plats		Man Hours																					
ITEM	Description	PIC	PM	P/S/E 4	P/S/E 3	P/S/E 2	P/S/E 1	CADD	ST3	ST2	ST1	ROW 4	ROW 3	ROW 2	ROW 1	SUE 3	SUE 2	SUE 1	CONTR	A/C 3	A/C 2	TOTAL	
9.1	Perform Land Acq surveys		1	4	8	10		28	40	40												1	132
9.2	Prepare Land Acq plats		1	3	8	10		20															42
9.3																							0
9.4																							0
9.5																							0
9.6																							0
9.7																							0
9.8																							0
9.9																							0
TOTAL HOURS		0	2	7	16	20	0	48	40	40	0	0	0	0	0	0	0	0	0	0	0	1	174

Section E - Quality Assurance

TASK 1.0 QA/QC		Man Hours																					
ITEM	Description	PIC	PM	P/S/E 4	P/S/E 3	P/S/E 2	P/S/E 1	CADD	ST3	ST2	ST1	ROW 4	ROW 3	ROW 2	ROW 1	SUE 3	SUE 2	SUE 1	CONTR	A/C 3	A/C 2	TOTAL	
1.1	Review contract & prepare plan			8	16																	1	25
1.2	Periodic review			4	32																		36
1.3	Final review and report		2	8	16																		26
1.4																							0
1.5																							0
1.6																							0
1.7																							0
1.8																							0
1.9																							0
TOTAL HOURS		2	20	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	87

TASK		Man Hours																					
ITEM	Description	PIC	PM	P/S/E 4	P/S/E 3	P/S/E 2	P/S/E 1	CADD	ST3	ST2	ST1	ROW 4	ROW 3	ROW 2	ROW 1	SUE 3	SUE 2	SUE 1	CONTR	A/C 3	A/C 2	TOTAL	
1.1																							0
1.2																							0
1.3																							0
1.4																							0
1.5																							0
1.6																							0
1.7																							0
1.8																							0
1.9																							0
TOTAL HOURS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TASK		Man Hours																					
ITEM	Description	PIC	PM	P/S/E 4	P/S/E 3	P/S/E 2	P/S/E 1	CADD	ST3	ST2	ST1	ROW 4	ROW 3	ROW 2	ROW 1	SUE 3	SUE 2	SUE 1	CONTR	A/C 3	A/C 2	TOTAL	
12.1																							0
12.2																							0
12.3																							0
12.4																							0
12.5																							0
12.6																							0
12.7																							0
12.8																							0
12.9																							0
TOTAL HOURS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

**PAYROLL ESCALATION TABLE
FIXED RAISES**

FIRM NAME American Surveying & Engineering, PC
PRIME/SUPPLEMENT Touhy Ave Design

DATE 08/08/14
PTB NO. _____

CONTRACT TERM 30 MONTHS
START DATE 10/1/2014
RAISE DATE 1/1/2015

OVERHEAD RATE 135.87%
COMPLEXITY FACTOR 3.00%

ESCALATION PER YEAR

10/1/2014 - 1/1/2015	1/2/2015 - 1/1/2016	1/2/2016 - 1/1/2017	1/2/2017 - 4/1/2017	
10/1/2014 1/1/2015	1/2/2015 1/1/2016	1/2/2016 1/1/2017	1/2/2017 4/1/2017	
3 30	12 30	12 30	3 30	
10.00%	41.20%	42.44%	10.93%	
1.0456				

The total escalation for this project would be:

PAYROLL RATES

FIRM NAME American Surveying & Engineering,
PRIME/SUPPLEMENT Touhy Ave Design
PTB NO. _____

DATE 08/08/14

ESCALATION FACTOR **4.56%**

CLASSIFICATION	CURRENT RATE	CALCULATED RATE
Principal-in Charge	\$70.00	\$70.00
Project Manager	\$63.21	\$66.09
Project Surveyor/Engineer_4	\$60.00	\$62.74
Project Surveyor/Engineer_3	\$49.87	\$52.15
Project Surveyor/Engineer_2	\$41.43	\$43.32
Project Surveyor/Engineer_1	\$33.30	\$34.82
CADD Technicians	\$30.59	\$31.99
Engr. / Survey Tech. 3	\$34.59	\$36.17
Engr. / Survey Tech. 2	\$24.91	\$26.05
Engr. / Survey Tech. 1	\$16.23	\$16.97
ROW Specialist_4	\$47.00	\$49.14
ROW Specialist_3	\$35.62	\$37.25
ROW Specialist_2	\$30.00	\$31.37
ROW Specialist_1	\$15.00	\$15.68
S.U.E. Tech. Grade 3	\$33.72	\$35.26
S.U.E. Tech. Grade 2	\$21.53	\$22.51
S.U.E. Tech. Grade 1	\$17.72	\$18.53
Deputy Controller/Admin Manager	\$20.00	\$20.91
Administrative/Clerical 3	\$18.00	\$18.82
Administrative/Clerical 2	\$13.24	\$13.84

AVERAGE HOURLY PROJECT RATES

FIRM
PTB
PRIME/SUPPLEMENT

American Surveying & Engineering, PC
Touhy Ave Design

DATE 08/08/14

SHEET 1 OF 1

PAYROLL CLASSIFICATION	TOTAL PROJECT RATES			1.0 Administration			1.0 Data Compilation			2.0 Horizontal & Vertical			3.0 3-D Terrestrial LIDAR			4.0 Underground Utility Structures		
	Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg
Principal-In Charge	4	0.11%	0.08	2	0.99%	0.69	0			0			0			0		
Project Manager	182	4.89%	3.23	135	66.83%	44.17	2	2.99%	1.97	2	1.68%	1.11	1	0.33%	0.22	3	0.84%	0.55
Project Surveyor/Engineer 4	297	7.98%	5.01	64	31.68%	19.88	16	23.88%	14.98	4	3.36%	2.11	30	9.93%	6.23	13	3.63%	2.28
Project Surveyor/Engineer 3	116	3.12%	1.63	0			0			0			0			0		
Project Surveyor/Engineer 2	465	12.50%	5.41	0			48	71.64%	31.04	12	10.08%	4.37	70	23.18%	10.04	41	11.45%	4.96
Project Surveyor/Engineer 1	0			0			0			0			0			0		
CADD Technicians	713	19.16%	6.13	0			0			0			80	26.49%	8.47	40	11.17%	3.57
Engr. / Survey Tech. 3	572	15.37%	5.56	0			0			50	42.02%	15.20	60	19.87%	7.19	130	36.31%	13.13
Engr. / Survey Tech. 2	572	15.37%	4.00	0			0			50	42.02%	10.94	60	19.87%	5.17	130	36.31%	9.46
Engr. / Survey Tech. 1	0			0			0			0			0			0		
ROW Specialist 4	0			0			0			0			0			0		
ROW Specialist 3	0			0			0			0			0			0		
ROW Specialist 2	0			0			0			0			0			0		
ROW Specialist 1	0			0			0			0			0			0		
S.U.E. Tech. Grade 3	347	9.33%	3.29	0			0			0			0			0		
S.U.E. Tech. Grade 2	347	9.33%	2.10	0			0			0			0			0		
S.U.E. Tech. Grade 1	97	2.61%	0.48	0			0			0			0			0		
Deputy Controller/Admin Man	0			0			0			0			0			0		
Administrative/Clerical 3	0			0			0			0			0			0		
Administrative/Clerical 2	9	0.24%	0.03	1	0.50%	0.07	1	1.49%	0.21	1	0.84%	0.12	1	0.33%	0.05	1	0.28%	0.04
TOTALS	3,721	100%	\$36.95	202	100.00%	\$64.81	67	100%	\$48.20	119	100%	\$33.85	302	100%	\$37.37	358	100%	\$34.00

AVERAGE HOURLY PROJECT RATES

FIRM American Surveying & Engineering, PC
PTB Touby Ave Design
PRIME/SUPPLEMENT

DATE 08/08/14

SHEET 2 OF 2

PAYROLL CLASSIFICATION	AVG HOURLY RATES	5.0 Review Project Mapping			1.0 SUE			1.0 Establish CL and ROW			2.0 Prepare Plats			1.0 QA/QC					
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg			
Principal in Charge	70.00	0			0			0			0			2	2.30%	1.61			
Project Manager	66.09	1	0.20%	0.13	6	0.51%	0.34	10	1.33%	0.88	2	1.15%	0.76	20	22.99%	15.19			
Project Surveyor/Engineer 4	62.74	13	2.65%	1.66	62	5.30%	3.32	24	3.20%	2.00	7	4.02%	2.52	64	73.56%	46.15			
Project Surveyor/Engineer 3	52.15	0			0			100	13.32%	6.94	16	9.20%	4.80	0					
Project Surveyor/Engineer 2	43.32	52	10.59%	4.59	146	12.48%	5.41	76	10.12%	4.38	20	11.49%	4.98	0					
Project Surveyor/Engineer 1	34.82	0			0			0			0			0					
CADD Technicians	31.99	40	8.15%	2.61	165	14.10%	4.51	340	45.27%	14.48	48	27.59%	8.62	0					
Engr. / Survey Tech. 3	36.17	192	39.10%	14.14	0			100	13.32%	4.82	40	22.99%	8.31	0					
Engr. / Survey Tech. 2	26.05	192	39.10%	10.19	0			100	13.32%	3.47	40	22.99%	5.99	0					
Engr. / Survey Tech. 1	16.97	0			0			0			0			0					
ROW Specialist 4	49.14	0			0			0			0			0					
ROW Specialist 3	37.25	0			0			0			0			0					
ROW Specialist 2	31.37	0			0			0			0			0					
ROW Specialist 1	15.68	0			0			0			0			0					
S.U.E. Tech. Grade 3	35.26	0			347	29.66%	10.46	0			0			0					
S.U.E. Tech. Grade 2	22.51	0			347	29.66%	6.68	0			0			0					
S.U.E. Tech. Grade 1	18.53	0			97	8.29%	1.54	0			0			0					
Deputy Controller/Admin Manager	20.91	0			0			0			0			0					
Administrative/Clerical 3	18.82	0			0			0			0			0					
Administrative/Clerical 2	13.84	1	0.20%	0.03	0			1	0.13%	0.02	1	0.57%	0.08	1	1.15%	0.16			
TOTALS		491	100%	\$33.35	1170	100%	\$32.25	751	100%	\$37.00	174	100%	\$36.26	87	100%	\$63.11	0	0%	\$0.00

SINGH

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

SCOPE OF SERVICES

Project: Touhy Avenue Improvement
From/To: Elmhurst Road to Mount Prospect Road
Agency: Cook County Department of Transportation and Highways
Location: Cook County
RFQ No.: 1455-13465
County Section No.: 14-13018-01-EG
SINGH P.N.: 14039

Singh & Associates, Inc. (SINGH), as a sub-consultant to Knight E/A, Inc., shall be responsible to provide lighting and traffic signal design engineering services for the Touhy Avenue improvement project. SINGH will provide plans, specifications, and estimate for lighting and temporary traffic signal installation at locations mentioned below per Cook County Standards, IDOT District 1 Lighting and Traffic Signal Guidelines and MUTCD for Streets and Highways.

- Lighting design within project limits as design in Draft Concept Plans
- Traffic signal design at:
 - Temporary Touhy Avenue Bypass at Mt. Prospect Road (Temporary Traffic Signals)
 - Elmhurst Road at Greenleaf Avenue (Temporary Traffic Signals)

Scope includes:

- **Roadway Lighting:** Existing lighting removal, temporary lighting design, and proposed lighting design, voltage drop computations, specifications, quantities, and construction cost estimate.
- **Traffic signals:** Temporary traffic signal design for locations mentioned above, specifications, quantities, and construction cost estimate.
- 60%, 95% and 100% PS&E
- Project meetings and Coordination with ComEd, FAA and other agencies Coordination.

It is assumed that photometric computations and initial concept submittal for lighting design per IDOT-D1 guidelines will not be needed since draft concept design plans showing lighting layout were already prepared. Temporary traffic signal interconnect and construction support is not included in SINGH's scope of work.

All other services are considered out-of-scope. SINGH shall not be obligated to provide nor entitled to compensation for any out-of-scope services, unless agreed to via supplemental agreements.

230 W. Monroe, Suite 1400
Chicago, Illinois 60606
t: 312.629.0240 f: 312.629.8449
www.singhinc.com



HOURS ESTIMATE OF CONSULTANT SERVICES

Project: Touhy Avenue Improvement
 From/To: Elmhurst Road to Mount Prospect Road
 Agency: Cook County Department of Transportation and Highways
 Location: Cook County
 RFQ No.: 1455-13465
 County Section No.: 14-13018-01-EG
 SINGH Project No.: 14039

Item	Phase / Subphase Activity	Notes	No. of Sheets	Principal (Engineer V)	Engineer IV	Engineer III	Engineer II	Engineer I	SINGH Hours
I Roadway Lighting PS&E									
60% Design									
1.01	Proposed Lighting Plans								
1.02	General Notes/Legend		1			2	4	10	16
1.03	Schedule of Quantities		1			2	4	10	16
1.04	Proposed Roadway Lighting Plans	25hrs/sheet	10			30	80	140	250
1.05	Temporary Lighting Plans	20hrs/sheet	5			10	30	60	100
1.06	Removal Lighting Plans	20hrs/sheet	5			10	30	60	100
1.07	Circuit Diagrams/Load Table Details	2-controllers	2			6	16	28	50
1.08	Splicing/Handhole Wiring/Trench Details		1					1	1
1.09	Bridge Expansion Joint/Junction Box Details		1					1	1
1.10	Light Pole Detail		1					1	1
1.11	Light Pole Foundation		1					1	1
1.12	Luminaire Safety Cable detail		1					1	1
1.13	Temporary Light Pole Detail		1					1	1
1.14	Temporary Aerial Cable Detail		1					1	1
1.15	Light pole foundation Detail		1					1	1
1.16	Miscellaneous Lighting/Electrical Details		2			4	12	24	40
1.17	Specifications					8	12	10	30
1.18	Voltage Drop Computations						6	6	12
1.19	Pay Items / Engineer's Opinion of Cost Estimate					4	6		10
95% Design									
1.20	Lighting Plans Revision	26 Sheets, 3Hrs/Sheet				8	24	46	78
1.21	Specifications Revision						2	6	8
1.22	Voltage Drop Computations Revision						2	2	4
1.23	Pay Items / Engineer's Estimate Revision					2	4		6
1.24	Detailed backup Quantity Computations					2	8	12	22
1.25	Disposition of Comments					2	2		4
100% Design									
1.26	Lighting Plans Revision	26 Sheets, 1.5Hrs/Sheet				4	12	23	39
1.27	Specifications Revision						2	4	6
1.28	Voltage Drop Computations Revision							2	2
1.29	Pay Items / Engineer's Estimate Revision					2	2		4
1.30	Detailed backup Quantity Computations Revision						4	6	10
1.31	Disposition of Comments					2	2		4
SUBTOTAL Roadway Lighting PS&E			34	0	0	98	264	457	819
II T.S. Plans - Touhy Bypass at Mt. Prospect									
60% Design									
2.01	Traffic Signal Plans Removal and Temporary Signal Plans (Three Stages)	25hrs/sheet	2			3	8	14	25
2.02	Temporary Cable Plan, EVP Sequence and Phase Designation Diagram		1			3	8	14	25
95% Design									
2.03	Traffic Signal Plans Revision	3 Sheets, 4Hrs/Sheet				1	2	9	12
2.04	Disposition of Comments					2			2
100% Design									
2.05	Traffic Signal Plans Revision	3 Sheets, 2Hrs/Sheet				1	1	4	6
2.06	Disposition of Comments					1			1
SUBTOTAL T.S. Plans - Touhy Bypass at Mt. Prospect			3	0	0	11	19	41	71

HOURS ESTIMATE OF CONSULTANT SERVICES

Project: Touhy Avenue Improvement
 From/To: Elmhurst Road to Mount Prospect Road
 Agency: Cook County Department of Transportation and Highways
 Location: Cook County
 RFQ No.: 1455-13465
 County Section No.: 14-13018-01-EG
 SINGH Project No.: 14039

Item	Phase / Subphase Activity	Notes	No. of Sheets	Principal (Engineer V)	Engineer IV	Engineer III	Engineer II	Engineer I	SINGH Hours
III Temp. T. S. Plans - Elmhurst at Greenleaf									
60% Design									
3.01	Traffic Signal Plans Removal and Temporary Signal Plans (Three Stages)	25hrs/sheet	2			3	8	14	25
3.02	Temporary Cable Plan, EVP Sequence and Phase Designation Diagram		1			3	8	14	25
95% Design									
3.03	Traffic Signal Plans Revision	3 Sheets, 4Hrs/Sheet				1	2	9	12
3.04	Disposition of Comments					2			2
100% Design									
3.05	Traffic Signal Plans Revision	3 Sheets, 2Hrs/Sheet				1	1	4	6
3.06	Disposition of Comments					1			1
SUBTOTAL Temp. T. S. Plans - Elmhurst at Greenleaf			3	0	0	11	19	41	71
IV Traffic Signals Specifications and Quantities									
60% Design									
8.01	Schedule of Quantities Sheet		1			1	2	3	6
8.02	Engineer's Opinion of Cost Estimate					2	2		4
8.03	Specifications					1	3	4	8
95% Design									
8.04	Schedule of Quantities Sheet Revision						1	1	2
8.05	Engineer's Opinion of Cost Estimate Revision						1		1
8.06	Specifications Revision						2	2	4
8.07	Detailed backup Quantity Computations					1	2	3	6
100% Design									
8.08	Schedule of Quantities Sheet Revision						1		1
8.09	Engineer's Opinion of Cost Estimate Revision						1		1
8.10	Specifications Revision						1	1	2
8.11	Detailed backup Quantity Computations Revision						1	2	3
SUBTOTAL Traffic Signals Specifications and Quantities			1	0	0	5	17	16	38
V Data Collection									
9.01	Collect and review existing information	Lighting/TS				1	5	6	12
9.02	Site visits	2 engg., 3 visits @ 4 hours/visit				12	12		24
SUBTOTAL			0	0	13	17	6	36	
VI Meetings & Coordination									
10.01	Project Progress and Review Meeting	7 Meetings, @ 2hrs			14				14
10.02	ComEd Coordination	Two T.S. and Two lighting controllers				8	8		16
10.03	FAA and other agencies Coordination	Tollway, IDOT, Locals, FAA			16	16			32
SUBTOTAL			0	30	24	8	0	62	
VII Project Management & QA/QC									
11.01	Monthly progress reports, invoices, scheduling, budgeting	5% of total			60				60
11.02	QA/QC Reviews per milestone	3% of total		35					35
SUBTOTAL			35	60	0	0	0	0	95
PROJECT TOTAL			35	90	162	344	561	1,192	

AVERAGE HOURLY PROJECT RATES

FIRM The Roderick Group
PSB 14-13018-01-EG
PRIME/SUPPLEMENT PRIME

DATE 08/11/14

SHEET 1 OF 1

PAYROLL CLASSIFICATION	AVG HOURLY RATES		TOTAL PROJECT RATES						Administration			Coordination Meetings			Erosion and Sediment Control Plans			Civil Engineering Support			Quality Control/Quality Assurance					
	Hours	% Part.	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg			
Principal	40	2.23%	40	2.23%	1.56	20	25.00%	17.50	20	50.00%	35.00	20	50.00%	35.00	20	50.00%	35.00	20	50.00%	35.00	20	50.00%	35.00	20	50.00%	35.00
Director of Engineering	96	5.36%	96	5.36%	2.78	20	25.00%	12.96	20	50.00%	25.92	8	1.52%	0.79	24	2.23%	1.15	24	2.23%	1.15	24	2.23%	1.15	24	2.23%	1.15
Project Engineer III	180	10.06%	180	10.06%	3.98							40	7.58%	3.00	100	9.28%	3.67	100	9.28%	3.67	100	9.28%	3.67	100	9.28%	3.67
Project Engineer II	520	29.05%	520	29.05%	10.57							220	41.67%	15.16	300	27.83%	10.12	300	27.83%	10.12	300	27.83%	10.12	300	27.83%	10.12
Project Engineer I	914	51.06%	914	51.06%	14.43							280	49.24%	13.92	654	60.67%	17.15	654	60.67%	17.15	654	60.67%	17.15	654	60.67%	17.15
Administrative Assistant	40	2.23%	40	2.23%	0.37	40	50.00%	8.32																		
	0		0																							
	0		0																							
	0		0																							
	0		0																							
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	0		0																							
	0		0																							
	0		0																							
TOTALS	1790	100%	1790	100%	\$33.70	80	100.00%	\$38.78	40	100%	\$60.92	528	100%	\$32.86	1078	100%	\$32.10	64	100%	\$44.17						

August 8, 2014

Daniel Szwaya, PE
Senior Engineer / Project Manager
Knight Engineers & Architects
221 North LaSalle Street, Suite 300
Chicago, IL 60601

Geotechnical Engineering Services
Touhy Avenue Improvements
Cook County
EOWA Touhy Corridor Section 14-13018-01-EG
Wang P140339

Dear Mr. Szwaya:

Wang Engineering, Inc. (Wang) is pleased to submit this proposal for geotechnical engineering services to support the design and reconstruction of Touhy Avenue between Elmhurst Road and Mt Prospect Road in Cook County. Our current project understanding is based on drawings and information provided by Knight. We understand the proposed improvements are related to Tollway's Western Bypass and include roadway and ramp alignments; two new bridges; bridge approach embankments and wrap-around MSE walls; a temporary road and culvert; and detention, traffic, overhead sign, and HMLT structures. The attached table details the scope of work and our proposed investigation plan, as well as the assumptions used in developing our proposal and cost estimate.

SCOPE OF WORK

Based on the results of the field and laboratory investigation, we will define subsurface soil and groundwater conditions and provide geotechnical analyses and recommendations for the design and construction of the proposed improvements. Wang proposes the following tasks:

Geotechnical Drilling, Coring, and Sampling: Wang will provide equipment, labor, and associated materials to drill, core, and sample an estimated 2,930 feet of soil and 25 feet of rock in 108 geotechnical boreholes. Existing subsurface data suggest that bedrock lies at about 80 to 90 feet below ground surface (bgs) in the project area. We propose two structure boring for each bridge substructure (5-foot rock cores will be collected at each abutment and pier locations); roadway borings spaced at 300-foot intervals for the mainline, cross roads, and interchange ramps; stability borings spaced at 200-foot intervals for the approach embankments; two borings for the temporary culvert; and retaining wall borings spaced at 50-

foot intervals. Full-depth pavement cores will be collected at 0.5-mile intervals per traffic direction along the roadway alignments that will be reconstructed.

We estimate an ATV-mounted rig will be required to drill 40% of the proposed borings. In addition, traffic control will be required for about 70% of work. For structure borings, the soil will be sampled at 2.5-foot intervals to 30 feet bgs and at 5.0-foot intervals thereafter; for roadway borings, the soil will be sampled at 2.5-foot intervals. Soil samples will be collected with split barrel samplers according to AASHTO T 206, "Penetration Test and Split-Barrel Sampling of Soils." After drilling completion, the structure boreholes will be grouted; the roadway ones will be backfilled with soil cuttings; and the existing pavement will be repaired with cold asphalt patch. We included hours for drilling with hand-operated drilling equipment in areas with overhead power lines or difficult access.

Field Supervision: Prior to the start of the investigation, Wang will obtain the necessary permits and training for work the RR property; within IDOT, County, or municipal ROW; and for traffic control on existing roadway. We will also coordinate the location of utilities with respect to the proposed boring locations. A Wang field engineer will monitor drilling activities, maintain field notes, and log the samples. The field engineer will also perform penetrometer and Rimac unconfined compressive strength tests on cohesive soil samples and record water table depth in open boreholes.

Laboratory Testing: Soil samples will be transported to our AMRL-certified laboratory. Soil testing will include moisture content determination (T 265). We will perform particle size analysis (T 88), Atterberg limits (T 89 and T 90), and organic content (T 194), on selected soil samples. Rock samples will be tested for uniaxial compressive strength (ASTM D 7012).

Engineering Analyses and Recommendations: Wang will prepare and submit Structure Geotechnical Reports (SGRs) for bridges and retaining walls having maximum exposed heights higher than 7.0 feet (we estimate that four SGRs will be required). A Roadway Geotechnical Report (RGR) will address temporary and final roadway alignments, as well as the stability and settlement of the approach embankments and interchange ramps. Three geotechnical letter reports will address the temporary culvert and detention, traffic, overhead sign, and HMLT structures. The reports will include site location maps, boring location plans, descriptions of subsurface investigation and field and laboratory testing methods, boring logs, laboratory test results, and assessments of the site soil and groundwater conditions. We will provide recommendations for foundations and pavement design and construction and, if necessary, recommendations for ground improvement.

SCHEDULING

Wang will start the project expediently upon prior written authorization to proceed. We estimate the field investigation will require 65 working days after utility clearance. The laboratory testing program may require three additional weeks for completion. Each geotechnical report will be submitted within two weeks after receiving preliminary TSL plans and roadway plan and profile drawings.

ESTIMATED COST AND ASSUMPTIONS

Our cost estimate was prepared assuming the following conditions:

- Roadway traffic control will be required and working hours will be restricted;
- Other additional insurance, beyond our standard coverage and railroad liability, is not included in the cost estimate; if required, it will be considered a reimbursement item; and
- No hazardous materials will be encountered.

Wang will provide these services according to the attached cost estimate.

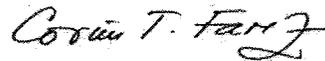
Wang Engineering, Inc. appreciates the opportunity to present this proposal. If you have questions, or if you require additional information, please contact us at (630) 953-9928.

Sincerely,

Wang Engineering, Inc.



Liviu M. Iordache, PG
Geotechnical Department Manager



Corina T. Farez, PE, PG
Vice President

EOWA Touhy Corridor Section 14-13018-01-EG
 PROPOSED GEOTECHNICAL SCOPE OF WORK
 Wang Engineering, Inc.

Item	Name	Description	Geometry		Rock Cores	Core Length	Coring Footage	Drilling and Coring		Estimated Depth	Drilling Footage	MC	Laboratory Tests			TX	
			Length/ Spans	Width/ Height				Pavement Cores	No. of Borings				PS	AL	TOM		Cons
Roadway	Touhy Ave (IL 72)	Mainline	6602	100	0	0	0	6	15	10	150	75	3	3	2	0	0
Roadway	Elmhurst Rd	Mainline	2155	100	0	0	2	8	8	10	80	40	2	2	1	0	0
Roadway	Mount Prospect	Mainline	2218	75	0	0	2	8	8	10	80	40	2	2	1	0	0
Roadway	Old Higgins Rd	Mainline	2244	100	0	0	2	8	8	10	80	40	2	2	1	0	0
Roadway	Touhy Ave (IL 72)	Temporary	4758	75	0	0	0	16	16	10	160	80	4	4	2	0	0
Roadway	Western Bypass	Mainline	400	106	0	0	0	2	2	10	20	10	1	1	1	0	0
Roadway	Ramp W3	Ramp	400	30	0	0	0	2	2	10	20	10	1	1	1	0	0
Embankments	Ramp W1	Ramp	200	12	0	0	0	1	1	10	20	8	1	1	1	0	0
Embankments	Ramp W2	Ramp	200	>24	0	0	0	1	1	30	30	12	1	1	1	0	0
Embankments	Ramp W3	Ramp	200	>20	0	0	0	1	1	30	30	12	1	1	1	0	0
Embankments	Touhy Ave (IL 72)	Approaches	NA	>15	0	0	0	8	8	30	240	96	2	2	0	0	0
Detention Pond	NA	Assumed one detention pond	NA	NA	0	0	0	2	2	20	40	16	2	2	0	0	0
Bridge	B-102	Touhy over Western Bypass	241/2	118	3	5	15	0	6	90	540	132	4	4	0	0	0
Bridge	B-105	Touhy over UPRR and Higgins Creek	170/1	96	2	5	10	0	4	90	360	88	4	4	0	0	0
RW	R-586	B-105 W Abt	250	>25	0	0	0	0	3	50	150	66	1	1	0	0	0
RW	R-588	B-105 E Abt	250	>25	0	0	0	0	3	50	150	66	1	1	0	0	0
RW	NA	B-102 W Abt	250	>25	0	0	0	0	3	50	150	66	1	1	0	0	0
RW	NA	B-102 E Abt	250	>25	0	0	0	0	3	50	150	66	1	1	0	0	0
NW	NA	None	NA	NA	0	0	0	0	0	0	0	0	0	0	0	0	0
Culvert	NA	Temp Touhy over Higgins Creek	60	75	0	0	0	0	2	30	60	24	1	1	0	0	0
Signs, HMLT, and Traffic Structures	NA	Project wide	NA	NA	0	0	0	0	12	35	420	168	0	0	0	0	0
Piezometers	NA	Project wide	NA	NA	0	0	0	0	0	50	0	0	0	0	0	0	0
Shelby Borings	NA	Project wide	NA	NA	0	0	0	0	0	30	0	0	0	0	0	0	0
Totals					5		25		108		2950	1115	35	35	12	0	0

**PAYROLL ESCALATION TABLE
FIXED RAISES**

FIRM NAME
PRIME/SUPPLEMENT

Wang Engineering, Inc.
Prime

DATE 08/08/14
PTB NO. 1455-13465

CONTRACT TERM
START DATE
RAISE DATE

24 MONTHS
10/1/2014
1/1/2015

OVERHEAD RATE 130.73%
COMPLEXITY FACTOR 0
% OF RAISE 3.00%

ESCALATION PER YEAR

10/1/2014 - 1/1/2015
3 24

= 12.50%
= 1.0378

1/2/2015 - 1/1/2016
12 24

51.50%

1/2/2016 - 10/1/2016
9 24

39.78%

The total escalation for this project would be: 3.78%



**GEOTECHNICAL SERVICES
UNIT PRICES
2014**



Name: Touhy Avenue Improvements
RFP/PTB/PSB/Item: 1455-13465
Contract/Job: 14-13018-01-EG

Date: 08/08/2014
Wang No.: P140339

Task Description	Units	Unit Price	Extended Cost
DRILLING, SAMPLING & INSITU TESTING			
Drilling Coordination	14.0 Hours	\$95.00 /Hour	\$1,330.00
Utilities Clearance, Site Access, Permitting	30.0 Hours	\$95.00 /Hour	\$2,850.00
Mobilization (Truck-mounted Drill Rig)	4	\$750.00 /Each	\$3,000.00
Drilling Crew Daily Travel & Support Vehicle	29 Days	\$155.00 /Day	\$4,495.00
Stand-by Hourly Rate - Truck-mounted Drill Rig (Two-Man Crew & Equipment)	0.0 Hours	\$310.00 /Hour	\$0.00
Mobilization (ATV-mounted Drill Rig)	4	\$1,250.00 /Each	\$5,000.00
ATV-mounted Drill Rig Daily Charge	22 Days	\$290.00 /Day	\$6,380.00
Drilling Crew Daily Travel & Support Vehicle	18 Days	\$155.00 /Day	\$2,790.00
Stand-by Hourly Rate - ATV-Mounted Drill Rig (Two-Man Crew & Equipment)	0.0 Hours	\$335.00 /Hour	\$0.00
Portable Water Tank	5 Days	\$145.00 /Day	\$725.00
Lighting for Night Field Activities	0 Nights	\$110.00 /Night	\$0.00
Drilling and Sampling			
Structure Borings			
<i>Drilling including split spoon sampling at 2.5-foot intervals to 30 feet and at 5-foot intervals thereafter (SPT, Penetrometer, Rimac, Visual Classification Included)</i>			
Between 0 and 75 Feet			
Normal Working Hours	0.0 Feet	\$30.00 /Foot	\$0.00
Restricted Hours (6 Hours)	2190.0 Feet	\$34.00 /Foot	\$74,460.00
Night Work	0.0 Feet	\$32.00 /Foot	\$0.00
Between 75 and 100 Feet			
Normal Working Hours	0.0 Feet	\$32.00 /Foot	\$0.00
Restricted Hours (6 Hours)	150.0 Feet	\$38.00 /Foot	\$5,700.00
Night Work	0.0 Feet	\$33.00 /Foot	\$0.00
Between 100 and 125 Feet			
Normal Working Hours	0.0 Feet	\$38.00 /Foot	\$0.00
Restricted Hours (6 Hours)	0.0 Feet	\$49.00 /Foot	\$0.00
Night Work	0.0 Feet	\$44.00 /Foot	\$0.00
Between 125 and 150 Feet			
Normal Working Hours	0.0 Feet	\$44.00 /Foot	\$0.00
Restricted Hours (6 Hours)	0.0 Feet	\$56.00 /Foot	\$0.00
Night Work	0.0 Feet	\$53.00 /Foot	\$0.00
Additional Split-Spoon Sample	0.0 Samples	\$43.00 /Sample	\$0.00
Roadway Borings			
<i>Drilling including continuous split spoon sampling to 10 feet (SPT, Penetrometer, Visual Classification Included)</i>			
Continuous Sampling			
Normal Hours	0.0 Feet	\$30.00 /Foot	\$0.00
Restricted Hours (6 Hours)	590.0 Feet	\$33.50 /Foot	\$19,765.00
Night Hours	0.0 Feet	\$32.50 /Foot	\$0.00
Shelby Tube Borings			
<i>Blind drilling and Shelby tube sampling at selected depths</i>			
Drill without sampling			
Normal Working Hours	0.0 Feet	\$20.00 /Foot	\$0.00
Restricted Hours (6 Hours)	0.0 Feet	\$25.00 /Foot	\$0.00
Night Work	0.0 Feet	\$22.00 /Foot	\$0.00
Shelby Tube Samples			
Normal Working Hours	0 Samples	\$59.00 /Sample	\$0.00
Restricted Hours (6 Hours)	0 Samples	\$68.00 /Sample	\$0.00
Night Work	0 Samples	\$64.00 /Sample	\$0.00
Rock Coring			
Rock Coring Setup	5 Setups	\$350.00 /Setup	\$1,750.00
Set Casing Below 40 Feet			
Normal Working Hours	0.0 Feet	\$13.00 /Foot	\$0.00
Restricted Hours (6 Hours)	250.0 Feet	\$15.00 /Foot	\$3,750.00
Night Work	0.0 Feet	\$14.00 /Foot	\$0.00
Rock Coring			
Normal Working Hours	0.0 Feet	\$58.00 /Foot	\$0.00
Restricted Hours (6 Hours)	25.0 Feet	\$71.00 /Foot	\$1,775.00
Night Work	0.0 Feet	\$64.00 /Foot	\$0.00



**GEOTECHNICAL SERVICES
UNIT PRICES
2014**



Name: Touhy Avenue Improvements
RFP/PTB/PSB/Item: 1455-13465
Contract/Job: 14-13018-01-EG

Date: 08/08/2014
Wang No.: P140339

Task Description	Units	Unit Price	Extended Cost
<u>Drilling & Sampling - Hourly</u>			
Two Man Drilling Crew - normal working hours	Hours	\$335.00 /Hour	\$0.00
Two Man Drilling Crew - overtime (2 hours per day)	Hours	\$415.00 /Hour	\$0.00
<u>Pavement/ Deck Coring & Testing</u>			
<i>For 2-inch, 4-inch, and 6-inch diameter cores</i>			
Pavement/Deck Coring (Two-Man Crew and Equipment)			
Normal Working Hours	0.0 Hours	\$270.00 /Hour	\$0.00
Restricted Hours (6 Hours)	12.0 Hours	\$310.00 /Hour	\$3,720.00
Night Work	0.0 Hours	\$290.00 /Hour	\$0.00
Asbestos Content Testing			
On Deck Cores	0 Tests	\$160.00 /Test	\$0.00
<u>Hand Augering (Two-Man Crew and Equipment)</u>			
<i>Hand augering and soil sampling to 10 feet</i>			
Hand Augering			
Normal Working Hours	0.0 Hours	\$267.00 /Hour	\$0.00
Restricted Hours (6 Hours)	16.0 Hours	\$310.00 /Hour	\$4,960.00
Night Work	0.0 Hours	\$290.00 /Hour	\$0.00
<u>Piezometer/Monitoring Well Installation</u>			
<u>2.0-inch Wells</u>			
2" x 5' PVC Screen, .010 slot, sch 40	0 Pipes	\$28.00 /Pipe	\$0.00
2" x 10' PVC Screen, .010 slot, sch 40	0 Pipes	\$34.00 /Pipe	\$0.00
2" x 5' PVC Riser, sch 40	0 Pipes	\$18.00 /Pipe	\$0.00
2" x 10' PVC Riser, sch 40	0 Pipes	\$25.00 /Pipe	\$0.00
2" PVC Female Points	0 Points	\$9.00 /Point	\$0.00
2" PVC Slip Caps	0 Caps	\$2.00 /Cap	\$0.00
4" Manhole Cast Iron w/Twist Lock Lid	0 Lids	\$48.00 /Lid	\$0.00
2" x 5' Green Steel Standups	0 Standups	\$78.00 /Standup	\$0.00
<u>4.0-inch Wells</u>			
4" x 5' PVC Screen, .010 slot, sch 40	0 Pipes	\$46.00 /Pipe	\$0.00
4" x 10' PVC Screen, .010 slot, sch 40	0 Pipes	\$64.00 /Pipe	\$0.00
4" x 5' PVC Riser, sch 40	0 Pipes	\$34.00 /Pipe	\$0.00
4" x 10' PVC Riser, sch 40	0 Pipes	\$49.00 /Pipe	\$0.00
4" PVC Female Points	0 Points	\$14.00 /Point	\$0.00
4" PVC Slip Caps	0 Caps	\$14.00 /Cap	\$0.00
<u>6.0-inch Wells</u>			
6" x 5' PVC Screen, .010 slot, sch 40	0 Pipes	\$107.00 /Pipe	\$0.00
6" x 10' PVC Screen, .010 slot, sch 40	0 Pipes	\$158.00 /Pipe	\$0.00
6" x 5' PVC Riser, sch 40	0 Pipes	\$83.00 /Pipe	\$0.00
6" x 10' PVC Riser, sch 40	0 Pipes	\$131.00 /Pipe	\$0.00
6" PVC Female Points	0 Points	\$45.00 /Point	\$0.00
6" PVC Slip Caps	0 Caps	\$15.00 /Cap	\$0.00
<u>Other Items</u>			
#1B008 Masterlock, 130D	0 Locks	\$6.00 /Lock	\$0.00
55 gallon DOT Containment Drums	0 Drums	\$35.00 /Drum	\$0.00
Concrete--Quickcrete 5000	0 Bags	\$15.00 /Bag	\$0.00
3/8" Coated Bentonite Pellets, 5 Gal Bucket	0 Buckets	\$53.00 /Bucket	\$0.00
10/20 Silica Sand, 50 lb plastic bag	0 Bags	\$8.00 /Bag	\$0.00
<u>Labor - Hourly</u>			
Two Man Drilling Crew - normal working hours	0.0 Hours	\$335.00 /Hour	\$0.00
Two Man Drilling Crew - overtime (2 hours per day)	0.0 Hours	\$412.00 /Hour	\$0.00

Name: Touhy Avenue Improvements
RFP/PTB/PSB/Item: 1455-13465
Contract/Job: 14-13018-01-EG

Date: 08/08/2014
Wang No.: P140339

Task Description	Units	Unit Price	Extended Cost
<u>Barge Drilling on a Navigable Waterway</u>			
<i>Price may vary depending on size and extent of waterway</i>			
Barge and Crane Mobilization	At Cost		\$0.00
Barge and Crane Daily Charge	At Cost		\$0.00
Barge and Crane Demobilization	At Cost		\$0.00
<u>Specialized Insitu Testing</u>			
Pressuremeter Testing			
Mobilization	0	\$500.00 /Each	\$0.00
Testing	0 Days	\$2,000.00 /Day	\$0.00
Vane Shear	0 Tests	\$100.00 /Test	\$0.00
Dilatometer Testing	0 Tests	\$750.00 /Test	\$0.00
Piezometric Cone Penetrometer			
Mobilization (Truck Mounted CPT)	0	\$250.00 /Each	\$0.00
CPTU	0.0 Feet	\$22.00 /Foot	\$0.00
Seismic Wave Measurement	0 Tests	\$175.00 /Test	\$0.00
Pore Pressure Dissipation Test	0 Tests	\$550.00 /Test	\$0.00
Photoionization Detector (PID)	0 Days	\$400.00 /Day	\$0.00
Water Infiltration/Percolation Test			
Double Ring Infiltrometer Test (ASTM D3385)	0 Tests	\$1,000.00 /Test	\$0.00
Single Ring Infiltrometer Test (Chicago Stormwater Ordinance)	0 Tests	\$550.00 /Test	\$0.00
Note: Drilling crew will be billed as standby for the duration of pressuremeter, vane shear, and dilatometer testing			
<u>Borehole Abandonment and Surface Restoration</u>			
Backfilling Borehole			
Normal Working Hours	0.0 Feet	\$8.50 /Foot	\$0.00
Restricted Hours (6 Hours)	2340.0 Feet	\$9.50 /Foot	\$22,230.00
Night Work	0.0 Feet	\$9.00 /Foot	\$0.00
Pavement/Deck Patching			
Asphalt	0 Patches	\$15.50 /Each	\$0.00
Concrete	0 Patches	\$15.50 /Each	\$0.00
Patching of Full Deck Coring	0 Patches	\$300.00 /Each	\$0.00
Soil Cutting Removal	0.0 Hours	\$300.00 /Hour	\$0.00
<u>Boring Location Accessibility</u>			
Private Utility Determination	At Cost		\$0.00
Tree Clearance	At Cost		\$0.00
Guardrail Removal and Replacement	At Cost		\$0.00
Dozer / Equipment Rental	At Cost		\$0.00
<u>Railroad Fees</u>			
Permitting	At Cost		\$1,500.00
Railroad Protective Insurance	At Cost		\$6,000.00
Railroad Flagman (assume three work day at \$900/day)	At Cost		\$2,700.00
<u>State/County/Municipal Fees</u>			
Pavement Opening Permit	At Cost		\$0.00
Insurance and Bonding	At Cost		\$0.00
<u>Surveying of Boring Locations</u>			
Two-man crew	32.0 Hours	\$210.00 /Hour	\$6,720.00
			\$ 131,600.00



**GEOTECHNICAL SERVICES
UNIT PRICES
2014**



Name: Touhy Avenue Improvements
RFP/PTB/PSB/Item: 1455-13465
Contract/Job: 14-13018-01-EG

Date: 08/08/2014
Wang No.: P140339

Task Description	Units	Unit Price	Extended Cost
LABORATORY TESTING			
<u>Soil Index Tests</u>			
T265 D2216 Water Content	1115 Tests	\$8.00 /Test	\$8,920.00
-- D7263 Unit Weight (Density)	0 Tests	\$33.00 /Test	\$0.00
T100 D854 Specific Gravity	0 Tests	\$61.00 /Test	\$0.00
-- -- Void Ratio, Porosity, and Saturation	0 Tests	\$99.00 /Test	\$0.00
-- D4972 pH of Soil	0 Tests	\$54.00 /Test	\$0.00
T267 D2974 Organic Content by LOI	0 Tests	\$56.00 /Test	\$0.00
T194 -- Organic Content by Wet Combustion	12 Tests	\$122.00 /Test	\$1,464.00
<u>Particle Size Distribution</u>			
T88 D422 Sieve Analysis	0 Tests	\$71.00 /Test	\$0.00
T88 D422 Hydrometer Analysis	0 Tests	\$76.00 /Test	\$0.00
T88 D422 Combined Sieve and Hydrometer	35 Tests	\$114.00 /Test	\$3,990.00
-- D1140 Percent Finer than No. 200 Sieve	0 Tests	\$47.00 /Test	\$0.00
<u>Atterberg Limits</u>			
T89, T90 D4318 Liquid and Plastic Limits	35 Tests	\$71.00 /Test	\$2,485.00
T92 D427 Shrinkage Factors	0 Tests	\$84.00 /Test	\$0.00
<u>Classification of Soils</u>			
-- D2488 Visual Manual	0 Samples	\$17.00 /Sample	\$0.00
-- D2487 Unified Soil Classification System	0 Samples	\$180.00 /Sample	\$0.00
M145 -- AASHTO Classification	0 Samples	\$180.00 /Sample	\$0.00
-- -- USDA Classification	0 Samples	\$114.00 /Sample	\$0.00
<u>Soil Settlement, Swelling, and Collapse Potential</u>			
T216 D2435 One-Dimensional Consolidation	0 Tests	\$515.00 /Test	\$0.00
-- D4546 One-Dimensional Swell	0 Tests	\$500.00 /Test	\$0.00
-- D5333 Collapse Potential	0 Tests	\$275.00 /Test	\$0.00
<u>Shear Strength of Soil</u>			
Hand Penetrometer	0 Tests	\$4.00 /Test	\$0.00
Rimac Unconfined Compressive Strength	0 Tests	\$13.00 /Test	\$0.00
T208 D2166 Unconfined Compressive Strength	0 Tests	\$75.00 /Test	\$0.00
T236 D3080 Direct Shear of Soils (3 points)	0 Tests	\$660.00 /Test	\$0.00
T296 D2850 UU Triaxial Compression (3 points)	0 Tests	\$310.00 /Test	\$0.00
T297 D4767 CU Triaxial Compression (3 points)	0 Tests	\$960.00 /Test	\$0.00
T297 D4767 CD Triaxial Compression (3 points)	0 Tests	\$960.00 /Test	\$0.00
D7012 Peak Uniaxial Compressive Strength of Rock Core	0 Tests	\$150.00 /Test	\$0.00
<u>Laboratory Compaction Tests</u>			
T99 D698 Moisture-Density of Soils (Standard Effort)	0 Tests	\$180.00 /Test	\$0.00
T180 D1557 Moisture-Density of Soils (Modified Effort)	0 Tests	\$190.00 /Test	\$0.00
T193 -- Illinois Bearing Ratio (1 point)	0 Tests	\$465.00 /Test	\$0.00
T193 D1883 California Bearing Ratio (3 points)	0 Tests	\$850.00 /Test	\$0.00
<u>Coefficient of Permeability</u>			
T215 D2434 Hydraulic Conductivity (Constant Head)	0 Tests	\$415.00 /Test	\$0.00
-- D5084 Hydraulic Conductivity (Flexible Wall)	0 Tests	\$435.00 /Test	\$0.00
<u>Additional Sample Preparation Procedures</u>			
Removal of Organic Matter	0 Samples	\$80.00 /Sample	\$0.00
Extrusion & Preservation of Undisturbed Samples	0 Samples	\$25.00 /Sample	\$0.00
Logging & Classification of Undisturbed Samples	0 Samples	\$60.00 /Sample	\$0.00
Remolding and Trimming of Samples	0 Samples	\$56.00 /Sample	\$0.00
<u>Planting Soil Mix Testing</u>			
<i>Chemical Analyses & Mitigation Recommendations (300 g sample required)</i>			
pH, CEC, Soluble Salts, OM, P, K, Other Nutrients	0 Tests	\$100.00 /Test	\$0.00
Residual Chemicals, Herbicides Full Screen	0 Tests	\$600.00 /Test	\$0.00
<i>Mechanical Analyses & Mitigation Recommendations (1,000 g sample required)</i>			
T88 D422 Combined Sieve and Hydrometer	0 Tests	\$111.00 /Test	\$0.00
<u>Analytical Laboratory Services - for CCDD</u>			
Volatile Organic Components (VOC)	0 No	\$185.00 /Each	\$0.00
SemiVOC including PNA's	0 No	\$310.00 /Each	\$0.00
PCB	0 No	\$124.00 /Each	\$0.00
Total Metals	0 No	\$192.00 /Each	\$0.00
PH Determination	0 No	\$20.00 /Each	\$0.00
			\$ 16,859.00



**GEOTECHNICAL SERVICES
UNIT PRICES
2014**



Name: Touhy Avenue Improvements
RFP/PTB/PSB/Item: 1455-13465
Contract/Job: 14-13018-01-EG

Date: 08/08/2014
Wang No.: P140339

Task Description	Units	Unit Price	Extended Cost
TRAFFIC CONTROL			
<i>Traffic Control - Work Zone Safety</i>			
Shoulder Closure (1/2 mile) - Expressway			
Daytime	0.0 No.	\$800.00 /Each	\$0.00
Night time	0.0 No.	\$900.00 /Each	\$0.00
Sunday	0.0 No.	\$1,200.00 /Each	\$0.00
Shoulder Closure (1/2 mile) - Arterial			
Daytime	0.0 No.	\$600.00 /Each	\$0.00
Night time	0.0 No.	\$750.00 /Each	\$0.00
Sunday	0.0 No.	\$1,200.00 /Each	\$0.00
Lane Closure (1 lane) (1/2 mile) - Expressway			
Daytime	0.0 No.	\$1,650.00 /Each	\$0.00
Night time	0.0 No.	\$1,800.00 /Each	\$0.00
Sunday	0.0 No.	\$2,100.00 /Each	\$0.00
Lane Closure (1 lane) (1/2 mile) - Arterial			
Daytime	33.0 No.	\$700.00 /Each	\$23,100.00
Night time	0.0 No.	\$850.00 /Each	\$0.00
Sunday	0.0 No.	\$1,200.00 /Each	\$0.00
Lane Closure (2 lane) - Expressway			
Daytime	0.0 No.	\$1,800.00 /Each	\$0.00
Night time	0.0 No.	\$1,950.00 /Each	\$0.00
Sunday	0.0 No.	\$2,250.00 /Each	\$0.00
Lane Closure (2 lane) - Arterial			
Daytime	0.0 No.	\$800.00 /Each	\$0.00
Night time	0.0 No.	\$952.00 /Each	\$0.00
Sunday	0.0 No.	\$1,200.00 /Each	\$0.00
Each additional 1/2 mile of closure	0.0 No.	\$100.00 /Each	\$0.00
Impact Attenuator			
Straight Time	16.0 Hours	\$175.00 /Hour	\$2,800.00
OT & Saturday	0.0 Hours	\$200.00 /Hour	\$0.00
Sunday	0.0 Hours	\$225.00 /Hour	\$0.00
Roadway Flagmen (two-mane crew)			
Straight Time	88.0 Hours	\$150.00 /Hour	\$13,200.00
OT & Saturday	22.0 Hours	\$160.00 /Hour	\$3,520.00
Sunday	0.0 Hours	\$210.00 /Hour	\$0.00
			\$ 42,620.00

FIELD VEHICLES & MILEAGE			
<i>Field Vehicle</i>			
Field Vehicle Mileage (>100 Miles per Day)	0.0 Miles	\$0.565 /Mile	\$0.00
Field Vehicle Daily (<100 Miles per Day)	65 Days	\$65.00 /Day	\$4,225.00
Tolls	0 Tolls	\$1.00 /Toll	\$0.00
			\$ 4,225.00

OUT-OF-TOWN EXPENSES			
<i>Lodging</i>	0 Days	\$93.00 /Day	\$0.00
<i>Per Diem</i>	0 Days	\$47.00 /Day	\$0.00
			\$

REPORT REPRODUCTION			
<i>Report Reproduction</i>			
Copies, Black & White, 8.5" X 11"	0 No	\$0.20 /Each	\$0.00
Copies, Color, 8.5" X 11"	0 No	\$2.50 /Each	\$0.00
Copies, Reproduction or Reduction, 24" X 36"	0 No	\$10.00 /Each	\$0.00
			\$

SUMMARY	
<i>DRILLING, SAMPLING & INSITU TESTING</i>	\$181,600.00
<i>LABORATORY TESTING</i>	\$16,859.00
<i>TRAFFIC CONTROL</i>	\$42,620.00
<i>FIELD VEHICLES & MILEAGE</i>	\$4,225.00
<i>OUT-OF-TOWN EXPENSES</i>	\$0.00
<i>REPORT REPRODUCTION</i>	\$0.00
	\$ 245,304.00

**PAYROLL ESCALATION TABLE
FIXED RAISES**

FIRM NAME
PRIME/SUPPLEMENT

TERRA Engineering, LTD
Prime

DATE 08/11/14
PTB NO.

CONTRACT TERM
START DATE
RAISE DATE

20 MONTHS
10/1/2014
1/1/2015

OVERHEAD RATE 159.12%
COMPLEXITY FACTOR 0
% OF RAISE 3.00%

ESCALATION PER YEAR

10/1/2014 - 1/1/2015

3

20

= 15.00%
= 1.0332

1/2/2015 - 1/1/2016

12

20

61.80%

1/2/2016 - 6/1/2016

5

20

26.52%

The total escalation for this project would be:

3.32%



Firm Name: TERRA Engineering, Ltd.

PTB/Item No: _____

REQUIRED – DIRECT COSTS WILL ONLY BE ACCEPTED FOR INCLUSION IN CONTRACT WHEN DOCUMENTED ON THIS FORM.

(Indicate only rate and quantities for this specific project.)

Item	Allowable	Contract ⁽¹⁾ Rate	Quantity (n/a for work orders)	Total
Per Diem	Up to State Rate Maximum	\$28.00		\$0.00
Lodging (Overnight)	Up to State Rate Maximum	\$60.00		\$0.00
Lodging (Extended)	Actual Cost (based on IDOT's and firm's policy)	Actual Cost		#VALUE!
Air Fare Coach Rate (with two weeks' notice)	As Approved	As Approved		#VALUE!
Vehicles:		\$0.510	725.00	
Mileage	Up to State Rate Maximum			\$369.75
Daily Rate (owned or leased)	\$45/day	\$45.00		\$0.00
Overtime	(Premium Portion)	Actual Cost		#VALUE!
Tolls	Actual Cost	Actual Cost	50.00	#VALUE!
Digital Photo Processing	Actual Cost	Actual Cost		#VALUE!
Photo Processing	Actual Cost	Actual Cost		#VALUE!
Cell Phones – (traffic systems, survey, phase III only)	\$70/month/phone (maximum) – Phase III (max. of three without IDOT approval)	\$70.00		\$0.00
Telephone Usage (traffic system monitoring)	Actual Cost	N/A		#VALUE!
2-Way Radio (survey or phase III only)	Actual Cost	Actual Cost		#VALUE!
Overnight Delivery/Postage/ Courier Service	Actual Cost	\$15.00	5.00	\$75.00
Copies of Deliverables/Mylars (in-house)	Actual Cost	Actual Cost		#VALUE!
Copies of Deliverables/Mylars (outside)	Actual Cost	Actual Cost		#VALUE!
Specific Insurance (required for project)	Actual Cost	Actual Cost		#VALUE!
CADD	Actual Cost (max. \$15.00/hour)	N/A		#VALUE!
Monuments (permanent)	Actual Cost	Actual Cost		#VALUE!
Advertisements	Actual Cost	Actual Cost		#VALUE!
Web Site	Actual Cost	Actual Cost		#VALUE!
Facility Rental for Public Meetings & Exhibits/Renderings & AV	Actual Cost	Actual Cost		#VALUE!
Transcriptions (specific to project)	Actual Cost	Actual Cost		#VALUE!
Recording Fees	Actual Cost	Actual Cost		#VALUE!
Courthouse Fees	Actual Cost	Actual Cost		#VALUE!
Testing of Soil Samples	Actual Cost	Actual Cost		#VALUE!
Lab Services	Actual Cost	Actual Cost		#VALUE!
Storm Sewer Cleaning and Televising	Actual Cost (requires 2-3 quotes)	Actual Cost		#VALUE!
Traffic Control and Protection	Actual Cost (requires 2-3 quotes)	Actual Cost		#VALUE!
Aerial Photography and Mapping	Actual Cost (requires 2-3 quotes)	Actual Cost		#VALUE!
Utility Exploratory Trenching	Actual Cost (requires 2-3 quotes)	Actual Cost		#VALUE!
Shift Differential	Actual Cost (based on firm's policy)	Actual Cost		#VALUE!
PROJECT Site Travel	Actual Cost (based on IDOT's and firm's policy)	Actual Cost		#VALUE!
	Actual Cost (requires 2-3 quotes)	Actual Cost		#VALUE!
	Actual Cost (requires 2-3 quotes)	Actual Cost		#VALUE!
	Include 2-3 vendor quotes and explanation for necessity.	Actual Cost		#VALUE!
Copies - 11x17 (B&W)	Actual Cost	\$0.25	75.00	\$18.75
Copies - 8.5x11 (B&W)	Actual Cost	\$0.10		\$0.00
Copies - 24x36 (B&W)	Actual Cost	\$10.50	75.00	\$787.50
				\$0.00

(1) Used to determine upper limit of compensation for direct cost. Unless maximum is specified under allowable, bill at actual cost.

PAYROLL ESCALATION TABLE ANNIVERSARY RAISES

FIRM NAME
PRIME/SUPPLEMENT

Rubinos & Mesia Engineers
KNIGHT E/A Inc

DATE
PTB NO.

08/11/14
EOWA Touhy Corridor Sec

CONTRACT TERM
START DATE
RAISE DATE

30 MONTHS
10/1/2014
ANNIVERSARY

OVERHEAD RATE
COMPLEXITY FACTOR
% OF RAISE

100.38%
0
3.00%

ESCALATION PER YEAR

DETERMINE THE MID POINT OF THE AGREEMENT

15

CALCULATE THE ESCALATION FACTOR TO THE MIDPOINT OF THE CONTRACT

3.75%

The total escalation for this project would be: 3.75%

EXHIBIT 3

Evidence of Insurance

DESCRIPTIONS (Continued from Page 1)

connection with the project listed above as required by written contract.

A Waiver of Subrogation applies on the General Liability policy as required by written contract.

EXHIBIT 4

Board Authorization

EXHIBIT 5

Certification for Consulting or Auditing Services

COOK COUNTY
OFFICE OF THE CHIEF PROCUREMENT OFFICER
CERTIFICATION FOR CONSULTING OR AUDITING SERVICES

This Certification is made and required pursuant to Section 34-193 of the Procurement Code, and must be completed by any Contractor providing Consulting or Auditing Services for Cook County or Elected Officials. For purposes of this Certification, the following definitions shall apply:

"Auditing" means the formal examination of accounting records or financial statements for compliance with financial accounting standards applicable to governmental entities, which functions are generally exclusively performed or supervised by Persons licensed and authorized to do business as public accounts in the State. Auditing shall also include any independent reports and management recommendations derived or resulting from the performance of auditing services and which reports and recommendations are included within the scope of the Contract for Auditing Services.

"Consulting" means the rendering of analysis and advice requiring specialized expertise in a particular subject area or field. Such expertise may have been gained by education or experience in the area or field. Consulting expressly excludes auditing services.

"Elected Official" means the President and Commissioners of the Cook County Board, Assessor, Board of Review, Chief Judge, Clerk of the Circuit Court, County Clerk, Recorder of Deeds, Sheriff, State's Attorney, Treasurer and any other elected official included in the Cook County Appropriations Ordinance.

"County" shall mean the offices which are administered by the President of the County Board.

Please print or type responses clearly and legibly. Add additional pages if needed, being careful to identify each portion of the form to which each additional page refers to.

SECTION 1: CONTRACTOR'S INFORMATION

COMPANY NAME: Knight E/A, Inc.
ADDRESS: 221 N. LaSalle Street, Chicago, IL 60601
TELEPHONE: (312) 577-3300
CONTACT NAME: Kevin E. Lentz
CONTACT EMAIL: klentz@knightea.com

SECTION 2: AFFILIATE INFORMATION

If the Contractor has any "Affiliates" please provide the names, addresses and telephone numbers of each Affiliate below. For purposes of this Certification "Affiliates" shall mean any Person that directly or indirectly through one or more intermediaries Controls, is Controlled by, or is under Control with the Person specified. "Control" shall mean a Person that has the power to directly or indirectly affect the management or the policies of the other through ownership of voting securities or voting rights, by contract or otherwise. "Person" means any individual, corporation, partnership, Joint Venture, trust, association, limited liability company, sole proprietorship or other legal entity.

 N/A

SECTION 3: CONTRACT INFORMATION

- a. This Certification relates to the following Contract: 1455-13465
- b. The Contractor is providing the following type of Services: [] Auditing or [X] Consulting
- c. The Contractor is providing the Services under the Contract for the following Cook County Business Unit or Elected Official:
Department of Transportation and Highways
- d. Is the Contractor or its Affiliates, if any, providing Consulting or Auditing Services, either directly, or as a subcontractor to the County or Elected Official under any other Contracts? [] Yes or [X] No.
If yes, please state the other Contract Number(s) and the Nature of Services.
-

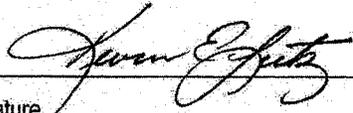
THE CONTRACTOR ACKNOWLEDGES, UNDERSTANDS AND AGREES AS FOLLOWS:

- a. It has read Section 34-193 (a)-(b) of the Procurement Code, which provides as follows:

The County will not enter into any Contract for Auditing Services, nor shall it consent to a subcontract for such Auditing Services, with any Person, if such Person, or any Affiliate of such Person, has a Contract or subcontract for consulting services for or with the County. Additionally, the County will not enter into any Contract for Consulting Services, nor shall it consent to a subcontract for such Consulting Services, with any Person, if such Person, or any Affiliate of such Person, has a Contract or subcontract for Auditing Services for or with the County. For purposes of this provision, "County" shall refer only to offices which are administered by the President of the County Board and shall not refer to offices which are administered by Elected Officials.

The County shall not enter into any Contract for Consulting Services on behalf of any Elected Official, nor shall it consent to a subcontract for such Consulting Services on behalf of an Elected Official with any Person, if such Person, or any Affiliate of such Person, has a Contract or subcontract to provide Auditing Services for the Elected Official.

- b. The Contractor's Services under the Contract shall not violate Section 34-193 of the Procurement Code.
- c. The information provided herein is a material inducement to the CPO's execution of the Contract, and the CPO may rely on the information provided herein. The Contractor warrants that the information contained herein is true and correct. If the CPO determines that any information provided herein is false, incomplete, or incorrect, the CPO may terminate the Contract.


Signature

Kevin E. Lentz
Name (Type or Print)

President
Title

August 5, 2014
Date