



ORDINANCE NO. 1845-18

AN ORDINANCE AUTHORIZING THE EXECUTION OF AN AGREEMENT WITH ILLINOIS DEPARTMENT OF TRANSPORTATION – CONSTRUCTION ENGINEERING AGREEMENT FOR FEDERAL PARTICIPATION BLR 05611

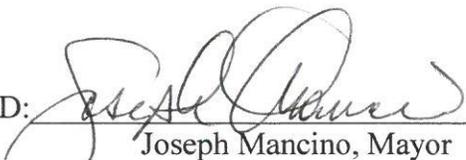
BE IT ORDAINED by the Mayor and Board of Trustees of the Village of Hawthorn Woods, Illinois, that the Mayor be, and the same is hereby authorized and directed, to execute an Agreement with Illinois Department of Transportation – Construction Engineering Agreement for Federal Participation BLR 05611 for the Schwerman Road Improvements. Such Agreement is by and between the Village of Hawthorn Woods and the Illinois Department of Transportation, a copy of which is attached hereto as Exhibit “A”, and, by this reference made a part hereof.

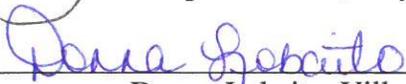
The foregoing Ordinance was adopted on March 26, 2018 by a roll call vote as follows:

AYES: Kaiser, Kesik, Riess, Corrigan, DiMaggio, David

NAYS: Ø

ABSENT AND NOT VOTING: Ø

APPROVED: 
Joseph Mancino, Mayor

ATTEST: 
Donna Lobaito, Village Clerk

ADOPTED: March 26, 2018

APPROVED: March 26, 2018



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

August 15, 2018

Ms. Donna Lobaito
Village Clerk
2 Lagoon Drive
Hawthorn Woods, Illinois 60047

Subject: Village: Hawthorn Woods
Section: 17-00018-00-RS
Project: UJNT(553)
Job: C-91-074-18
Construction Engineering Agreement
Consultant: Christopher B. Burke Engineering, Ltd.
\$53,886.71

Dear Ms. Lobaito:

The department approved the subject agreement on January 17, 2018.
A copy is enclosed. The village may authorize the consultant to proceed with the engineering work.

Testing Service Corporation - mileage rate for light vehicle should be limited to IRS rate of .545/mile.

Please contact Debbie Jarvis (Debbie.Jarvis@illinois.gov) if you have any questions.

Sincerely,

A handwritten signature in cursive script that reads "Gregory S. Lupton".

Gregory S. Lupton, P.E.
Local Project Implementation Engineer

Enclosure

cc: Joseph Mancino, Mayor
Anthony Quigley Attn: Christopher Holt - District 1
Roxy Heck (Attn: Project Control)
Christopher B. Burke Engineering, Ltd.

Local Agency Village of Hawthorn Woods	L O C A L A G E N C Y	 Illinois Department of Transportation Construction Engineering Services Agreement For Federal Participation	C O N S U L T A N T	Consultant Christopher B. Burke Engineering
County Lake				Address 9575 W. Higgins Road
Section 17-00018-00-RS				City Rosemont
Project No. UJNT (553)				State Illinois
Job No. C-91-074-18				Zip Code 60018
Contact Name/Phone/E-mail Address Erika Frable 847-540-5223 efrable@vhw.org				Contact Name/Phone/E-mail Address Dan Crosson, PE / (847) 823-0500 dcrosson@cbbel.com

THIS AGREEMENT is made and entered into this 26th day of March, 2018 between the above Local Agency (LA) and Consultant (ENGINEER) and covers certain professional engineering services in connection with the PROJECT described herein. Federal-aid funds allotted to the LA by the state of Illinois under the general supervision of the Illinois Department of Transportation (STATE) will be used entirely or in part to finance engineering services as described under AGREEMENT PROVISIONS.

WHEREVER IN THIS AGREEMENT or attached exhibits the following terms are used, they shall be interpreted to mean:

Regional Engineer	Deputy Director Division of Highways, Regional Engineer, Department of Transportation
Resident Construction Supervisor	Authorized representative of the LA in immediate charge of the engineering details of the PROJECT
In Responsible Charge	A full time LA employee authorized to administer inherently governmental PROJECT activities
Contractor	Company or Companies to which the construction contract was awarded

Project Description

Name	<u>Schwerman Road</u>	Route	<u>TR 0-149, TR 0-900</u>	Length	<u>2.11 Miles</u>	Structure No.	<u>N/A</u>
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Termini TR 149 Schwerman Rd. (Fairfield Rd. to Owens Rd.) MUN 0-900 Schwerman Rd. (Owens Rd. to Gilmer Rd.)

Description: This work consists of HMA surface removal, class "D" patches, HMA Surface and Polymerized Leveling Binder, spot curb and gutter and sidewalk removal and replacement, striping, and all incidental and collateral work necessary to complete this project.

Agreement Provisions

I. THE ENGINEER AGREES,

1. To perform or be responsible for the performance of the engineering services for the LA, in connection with the PROJECT hereinbefore described and checked below:
 - a. Proportion concrete according to applicable STATE Bureau of Materials and Physical Research (BMPR) Quality Control/Quality Assurance (QC/QA) training documents or contract requirements and obtain samples and perform testing as noted below.
 - b. Proportion hot mix asphalt according to applicable STATE BMPR QC/QA training documents and obtain samples and perform testing as noted below.
 - c. For soils, to obtain samples and perform testing as noted below.
 - d. For aggregates, to obtain samples and perform testing as noted below.

NOTE: For 1a. through 1d. the ENGINEER is to obtain samples for testing according to the STATE BMPR "Project Procedures Guide", or as indicated in the specifications, or as attached herein by the LA; test according to the STATE BMPR "Manual of Test Procedures for Materials", submit STATE BMPR inspection reports; and verify compliance with contract specifications.

- e. Inspection of all materials when inspection is not provided at the sources by the STATE BMPR, and submit inspection reports to the LA and the STATE in accordance with the STATE BMPR "Project Procedures Guide" and the policies of the STATE.
 - f. For Quality Assurance services, provide personnel who have completed the appropriate STATE BMPR QC/QA trained technician classes.
 - g. Inspect, document and inform the LA employee In Responsible Charge of the adequacy of the establishment and maintenance of the traffic control.
 - h. Geometric control including all construction staking and construction layouts.
 - i. Quality control of the construction work in progress and the enforcement of the contract provisions in accordance with the STATE Construction Manual.
 - j. Measurement and computation of pay items.
 - k. Maintain a daily record of the contractor's activities throughout construction including sufficient information to permit verification of the nature and cost of changes in plans and authorized extra work.
 - l. Preparation and submission to the LA by the required form and number of copies, all partial and final payment estimates, change orders, records, documentation and reports required by the LA and the STATE.
 - m. Revision of contract drawings to reflect as built conditions.
 - n. Act as resident construction supervisor and coordinate with the LA employee In Responsible Charge.
2. Engineering services shall include all equipment, instruments, supplies, transportation and personnel required to perform the duties of the ENGINEER in connection with the AGREEMENT.
 3. To furnish the services as required herein within twenty-four hours of notification by the LA employee In Responsible Charge.
 4. To attend meetings and visit the site of the work at any reasonable time when requested to do so by representatives of the LA or STATE.
 5. That none of the services to be furnished by the ENGINEER shall be sublet, assigned or transferred to any other party or parties without the written consent of the LA. The consent to sublet, assign or otherwise transfer any portion of the services to be furnished by the ENGINEER shall not be construed to relieve the ENGINEER of any responsibility for the fulfillment of this AGREEMENT.
 6. The ENGINEER shall submit invoices, based on the ENGINEER's progress reports, to the LA employee In Responsible Charge, no more than once a month for partial payment on account for the ENGINEER's work completed to date. Such invoices shall represent the value, to the LA of the partially completed work, based on the sum of the actual costs incurred, plus a percentage (equal to the percentage of the construction engineering completed) of the fixed fee for the fully completed work.
 7. That the ENGINEER is qualified technically and is entirely conversant with the design standards and policies applicable to improvement of the SECTION; and that the ENGINEER has sufficient properly trained, organized and experienced personnel to perform the services enumerated herein.
 8. That the ENGINEER shall be responsible for the accuracy of the ENGINEER's work and correction of any errors, omissions or ambiguities due to the ENGINEER'S negligence which may occur either during prosecution or after acceptance by the LA. Should any damage to persons or property result from the ENGINEER's error, omission or negligent act, the ENGINEER shall indemnify the LA, the STATE and their employees from all accrued claims or liability and assume all restitution and repair costs arising from such negligence. The ENGINEER shall give immediate attention to any remedial changes so there will be minimal delay to the contractor and prepare such data as necessary to effectuate corrections, in consultation with and without further compensation from the LA.
 9. That the ENGINEER will comply with applicable federal statutes, state of Illinois statutes, and local laws or ordinances of the LA.
 10. The undersigned certifies neither the ENGINEER nor I have:
 - a) employed or retained for commission, percentage, brokerage, contingent fee or other considerations, any firm or person (other than a bona fide employee working solely for me or the above ENGINEER) to solicit or secure this AGREEMENT;

- b) agreed, as an express or implied condition for obtaining this AGREEMENT, to employ or retain the services of any firm or person in connection with carrying out the AGREEMENT or
 - c) paid, or agreed to pay any firm, organization or person (other than a bona fide employee working solely for me or the above ENGINEER) any fee, contribution, donation or consideration of any kind for, or in connection with, procuring or carrying out the AGREEMENT.
 - d) are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any Federal department or agency;
 - e) have not within a three-year period preceding the AGREEMENT been convicted of or had a civil judgment rendered against them for commission of fraud or criminal offense in connection with obtaining, attempting to obtain or performing a public (Federal, State or local) transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements or receiving stolen property;
 - f) are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (e) of this certification; and
 - g) have not within a three-year period preceding this AGREEMENT had one or more public transactions (Federal, State or local) terminated for cause or default.
11. To pay its subconsultants for satisfactory performance no later than 30 days from receipt of each payment from the LA.
 12. To submit all invoices to the LA within one year of the completion of the work called for in this AGREEMENT or any subsequent Amendment or Supplement.
 13. To submit BLR 05613, Engineering Payment Report, to the STATE upon completion of the work called for in the AGREEMENT.
 14. To be prequalified with the STATE in Construction Inspection when the ENGINEER or the ENGINEER's assigned staff is named as resident construction supervisor. The onsite resident construction supervisor shall have a valid Documentation of Contract Quantities certification.
 15. Will provide, as required, project inspectors that have a valid Documentation of Contract Quantities certification.

II. THE LA AGREES,

1. To furnish a full time LA employee to be In Responsible Charge authorized to administer inherently governmental PROJECT activities.
2. To furnish the necessary plans and specifications.
3. To notify the ENGINEER at least 24 hours in advance of the need for personnel or services.
4. To pay the ENGINEER as compensation for all services rendered in accordance with this AGREEMENT, on the basis of the following compensation formulas:

Cost Plus Fixed Fee
Formulas

- $FF = 14.5\%[DL + R(DL) + OH(DL) + IHDC]$, or
- $FF = 14.5\%[(2.3 + R)DL + IHDC]$

Where: DL = Direct Labor
 IHDC = In House Direct Costs
 OH = Consultant Firm's Actual Overhead Factor
 R = Complexity Factor
 FF=Fixed Fee
 SBO = Services by Others

Total Compensation = $DL + IHDC + OH + FF + SBO$

Specific Rate (Pay per element)

Lump Sum _____

5. To pay the ENGINEER using one of the following methods as required by 49 CFR part 26 and 605 ILCS 5/5-409:

With Retainage

- a) For the first 50% of completed work, and upon receipt of monthly invoices from the ENGINEER and the approval thereof by the LA, monthly payments for the work performed shall be due and payable to the ENGINEER, such payments to be equal to 90% of the value of the partially completed work minus all previous partial payments made to the ENGINEER.
- b) After 50% of the work is completed, and upon receipt of monthly invoices from the ENGINEER and the approval thereof by the LA, monthly payments covering work performed shall be due and payable to the ENGINEER, such payments to be equal to 95% of the value of the partially completed work minus all previous partial payments made to the ENGINEER.
- c) Final Payment – Upon approval of the work by the LA but not later than 60 days after the work is completed and reports have been made and accepted by the LA and the STATE, a sum of money equal to the basic fee as determined in this AGREEMENT less the total of the amounts of partial payments previously paid to the ENGINEER shall be due and payable to the ENGINEER.

Without Retainage

- a) For progressive payments – Upon receipt of monthly invoices from the ENGINEER and the approval thereof by the LA, monthly payments for the work performed shall be due and payable to the ENGINEER, such payments to be equal to the value of the partially completed work minus all previous partial payments made to the ENGINEER.
- b) Final Payment – Upon approval of the work by the LA but not later than 60 days after the work is completed and reports have been made and accepted by the LA and STATE, a sum of money equal to the basic fee as determined in this AGREEMENT less the total of the amounts of partial payments previously paid to the ENGINEER shall be due and payable to the ENGINEER.

6. The recipient shall not discriminate on the basis on the basis of race, color, national origin or sex in the award and performance of any DOT-assisted contract or in the administration of its DBE program or the requirements of 49 CFR part 26. The recipient shall take all necessary and reasonable steps under 49 CFR part 26 to ensure nondiscrimination in the award and administration of DOT-assisted contracts. The recipient's DBE program, as required by 49 CFR part 26 and as approved by DOT, is incorporated by reference in this agreement. Implementation of this program is a legal obligation and failure to carry out its terms shall be treated as violation of this agreement. Upon notification to the recipient of its failure to carry out its approved program, the Department may impose sanctions as provided for under part 26 and may, in appropriate cases, refer the matter for enforcement under 18 U.S.C. 1001 and/or the Program Fraud Civil Remedies Act of 1986 (31U.S.C. 3801 et seq.).

7. To submit approved form BC 775 (Exhibit C) and BC 776 (Exhibit D) with this AGREEMENT.

III. It is Mutually Agreed,

1. That the ENGINEER and the ENGINEER's subcontractors will maintain all books, documents, papers, accounting records and other evidence pertaining to cost incurred and to make such materials available at their respective offices at all reasonable times during the AGREEMENT period and for three years from the date of final payment under this AGREEMENT, for inspection by the STATE, Federal Highway Administration or any authorized representatives of the federal government and copies thereof shall be furnished if requested.
2. That all services are to be furnished as required by construction progress and as determined by the LA employee In Responsible Charge. The ENGINEER shall complete all services specified herein within a time considered reasonable to the LA, after the CONTRACTOR has completed the construction contract.
3. That all field notes, test records and reports shall be turned over to and become the property of the LA and that during the performance of the engineering services herein provided for, the ENGINEER shall be responsible for any loss or damage to the documents herein enumerated while they are in the ENGINEER's possession and any such loss or damage shall be restored at the ENGINEER's expense.
4. That this AGREEMENT may be terminated by the LA upon written notice to the ENGINEER, at the ENGINEER's last known address, with the understanding that should the AGREEMENT be terminated by the LA, the ENGINEER shall be paid for any services completed and any services partially completed. The percentage of the total services which have been rendered by the ENGINEER shall be mutually agreed by the parties hereto. The fixed fee stipulated in numbered paragraph 4d of Section II shall be multiplied by this percentage and added to the ENGINEER's actual costs to obtain the earned value of work performed. All field notes, test records and reports completed or partially completed at the time of termination shall become the property of, and be delivered to, the LA.
5. That any differences between the ENGINEER and the LA concerning the interpretation of the provisions of this AGREEMENT shall be referred to a committee of disinterested parties consisting of one member appointed by the ENGINEER, one member appointed by the LA, and a third member appointed by the two other members for disposition and that the committee's decision shall be final.
6. That in the event the engineering and inspection services to be furnished and performed by the LA (including personnel furnished by the ENGINEER) shall, in the opinion of the STATE be incompetent or inadequate, the STATE shall have the right to supplement the engineering and inspection force or to replace the engineers or inspectors employed on such work at the expense of the LA.

7. That the ENGINEER has not been retained or compensated to provide design and construction review services relating to the contractor's safety precautions, except as provided in numbered paragraph 1f of Section I.
8. This certification is required by the Drug Free Workplace Act (30ILCS 580). The Drug Free Workplace Act requires that no grantee or contractor shall receive a grant or be considered for the purpose of being awarded a contract for the procurement of any property or service from the State unless that grantee or contractor will provide a drug free workplace. False certification or violation of the certification may result in sanctions including, but not limited to, suspension of contract or grant payments, termination of a contract or grant and debarment of contracting or grant opportunities with the State for at least one (1) year but no more than five (5) years.

For the purpose of this certification, "grantee" or "contractor" means a corporation, partnership or other entity with twenty-five (25) or more employees at the time of issuing the grant, or a department, division or other unit thereof, directly responsible for the specific performance under a contract or grant of \$5,000 or more from the State, as defined in the Act.

The contractor/grantee certifies and agrees that it will provide a drug free workplace by:

- (a) Publishing a statement:
 - (1) Notifying employees that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance, including cannabis, is prohibited in the grantee's or contractor's workplace.
 - (2) Specifying the actions that will be taken against employees for violations of such prohibition.
 - (3) Notifying the employee that, as a condition of employment on such contract or grant, the employee will:
 - (A) abide by the terms of the statement; and
 - (B) notify the employer of any criminal drug statute conviction for a violation occurring in the workplace no later than five (5) days after such conviction.
 - (b) Establishing a drug free awareness program to inform employees about:
 - (1) the dangers of drug abuse in the workplace;
 - (2) the grantee's or contractor's policy of maintaining a drug free workplace;
 - (3) any available drug counseling, rehabilitation and employee assistance program; and
 - (4) the penalties that may be imposed upon an employee for drug violations.
 - (c) Providing a copy of the statement required by subparagraph (a) to each employee engaged in the performance of the contract or grant and to post the statement in a prominent place in the workplace.
 - (d) Notifying the contracting or granting agency within ten (10) days after receiving notice under part (B) of paragraph (3) of subsection (a) above from an employee or otherwise receiving actual notice of such conviction.
 - (e) Imposing a sanction on, or requiring the satisfactory participation in a drug abuse assistance or rehabilitation program by, any employee who is convicted, as required by section S of the Drug Free Workplace Act.
 - (f) Assisting employees in selecting a course of action in the event drug counseling, treatment and rehabilitation is required and indicating that a trained referral team is in place.
 - (g) Making a good faith effort to continue to maintain a drug free workplace through implementation of the Drug Free Workplace Act.
9. The ENGINEER or subconsultant shall not discriminate on the basis of race, color, national origin or sex in the performance of this AGREEMENT. The ENGINEER shall carry out applicable requirements of 49 CFR part 26 in the administration of DOT-assisted contracts. Failure by the ENGINEER to carry out these requirements is a material breach of this AGREEMENT, which may result in the termination this AGREEMENT or such other remedy as the LA deems appropriate.

AVERAGE HOURLY PROJECT RATES

FIRM Christopher B. Burke Engineering, Ltd.

Local Agency Village of Hawthorne Woods

Section 0

Project 0

Job No: 0

DATE 11/13/17

SHEET 1 OF 5

PAYROLL CLASSIFICATION	TOTAL PROJECT RATES			Preconstruction Services			Construction Observation			Construction Documentation			Material QA			Closeout			
	AVG HOURLY RATES	Hours	% Part.	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	
Engineer VI	69.77	0																	
Engineer V	62.60	0																	
Engineer IV	51.87	0																	
Engineer III	44.80	397	100.00%	397	100.00%	44.80	10	100.00%	44.80	285	100.00%	44.80	42	100.00%	44.80	60	100.00%	44.80	
Engineer I/II	31.64	0																	
Survey V	60.00	0																	
Survey IV	60.00	0																	
Survey III	56.00	0																	
Survey II	40.40	0																	
Survey I	31.83	0																	
Engineering Technician	59.50	0																	
Engineering Technician	45.00	0																	
Engineering Technician	45.14	0																	
Engineering Technician	38.67	0																	
Engineering Technician	58.33	0																	
CAD Manager	49.83	0																	
Asst. CAD Manager	43.67	0																	
CAD II	33.25	0																	
CAD I	52.50	0																	
Landscape Architect	46.00	0																	
GSI Specialist III	28.25	0																	
GSI Specialist I/II	60.00	0																	
Env Res Specialist V	54.29	0																	
Env Res Specialist IV	41.06	0																	
Env Res Specialist III	29.25	0																	
Env Res Specialist I/II	37.00	0																	
Env Res Specialist I/II	15.13	0																	
Engineering Intern	33.47	0																	
Administrative		397	100%	397	100%	\$44.80	10	100.00%	\$44.80	285	100%	\$44.80	42	100%	\$44.80	60	100%	\$44.80	
TOTALS																			



TESTING SERVICE CORPORATION

Corporate Office

360 South Main Place, Carol Stream, IL 60188-2404
630.462.2600 • Fax 630.653.2988

October 3, 2017

Ms. Julie Cahill
Christopher B. Burke Engineering, Ltd.
9575 West Higgins Road Suite 600
Rosemont, IL 60018-4920

RE: P.N. 59,622
Construction Material Engineering
West Schwerman Road
Hawthorn Woods, IL

Dear Ms. Cahill:

Per your request, Testing Service Corporation (TSC) is pleased to submit this proposal to provide the Construction Materials Engineering Services that will be requested by you for the above referenced project. The broad objectives of our work will be to conduct and interpret tests and report our findings as directed by Christopher B. Burke Engineering, Ltd..

TSC is staffed and equipped to provide any of the following services that may be ordered by you:

- **Field Quality Control Services**
 - Observe proof-rolling operations.
 - Recommend amount of undercut using IDOT cone penetrometer procedure.
 - Perform in-place density tests on engineered fill/backfill and granular base course
 - Test plastic concrete for slump, air content, temperature, unit weight and cast test cylinders.
 - Establish rolling pattern for bituminous concrete pavement mix with nuclear density gauge.
 - Pickup samples in the field for laboratory tests.
- **Bituminous Concrete Batch Plant Quality Control Services**
 - Daily hot bin and extraction analysis.
 - Sampling and testing of stockpile materials.
 - Check and adjust mixing formulas, as necessary.
 - Check temperatures of bitumen, drum and final mix.
 - Mold Marshall samples and check for stability and flow or determine density of Prepared (HMA) specimen by means of Gyratory Compactor.
 - Other tests as required by current IDOT procedures guide.
- **Portland Cement Concrete Batch Plant Quality Control Services**
 - Verify that current IDOT mix design is being used.
 - Check moisture content of fine aggregate.
 - Perform sieve analysis on stockpiled materials, as required by IDOT criteria.
 - Check the slump, air and temperature of final mix.
 - Other tests, as required by current IDOT procedure guide.

Providing a Full Range of Geotechnical Engineering, Environmental Services, and Construction Materials Engineering & Testing

- **Laboratory**
 - Perform laboratory compaction curve for each soil type used.
 - Determine density and thickness for core samples submitted by contractor.
 - Aggregate gradation and soundness analysis.
 - Perform compressive and flexural strength tests for concrete cylinders and beams.
 - Other tests, as required.
- **QA Manager Services**
 - Review test results performed by our technicians in accordance with IDOT specification
 - Monitor and schedule site visits to test 20% of the total quantities for HMA and PCC mixes
 - Complete the necessary paperwork for PCC and HMA testing and electronically submit them to IDOT and your office.

TSC's field technicians are represented by Local 150 of the International Union of Operating Engineers. Supervision of the testing, observation and reporting is provided by a Registered Professional Engineer. Reports will generally be issued on a weekly basis as work progresses. Invoices will be issued monthly, subsequent to the reporting period.

A budget amount of Six Thousand Twenty Five Dollars (\$6,025.00) is recommended for your project. This estimate is based on a review of plans and specifications provided by Christopher B. Burke Engineering, Ltd. and prior experience on similar projects. TSC's itemized estimate is included in the "Assumptions and Estimated Fee" portion of this proposal. Factors such as weather, contractor efficiency and deviations from minimum testing and observation requirements may significantly impact the CME budget. Our fee is further subject to this proposal being accepted by you on or before December 31, 2017.

The Services performed by TSC under this proposal are subject to prevailing wage regulations under Illinois law. Prevailing wage rates are established in June by the State of Illinois. Should the established wage be changed between the time of this proposal and the time of work, it will be necessary to revise this proposal so that the rates required by law are properly reflected. Prevailing wage categories are defined as follows:

Material Tester I: Hand coring and drilling for testing of materials; field inspection of uncured concrete and asphalt.

Material Tester II: Field inspection of welds, structural steel, fireproofing, masonry, soil, facade, reinforcing steel, formwork, cured concrete and concrete and asphalt batch plants, adjusting proportions of bituminous mixtures.

TSC's fees include TSC's services being performed subject to the attached General Conditions which are incorporated herein. Unless we receive written instructions to the contrary, invoices will be sent to:

Ms. Julie Cahill
Christopher B. Burke Engineering, Ltd.
9575 West Higgins Road Suite 600
Rosemont, IL 60018-4920
Tel: (847) 823-0500
Fax: (847) 823-0520
email: jcahill@cbbel.com

Christopher B. Burke Engineering, Ltd.
West Schwerman Road
P.N. 59,622 - October 3, 2017

When completing the attached project data form, kindly indicate who is to receive copies of TSC's report and other project data.

Your consideration of our proposal is appreciated. We look forward to being of service to you on this project.

Respectfully Submitted

TESTING SERVICE CORPORATION



Jeffrey R. Schmitz
Project Engineer

JRS:lm

Enc: General Conditions
Project Data Sheet

Approved and accepted for _____ by:

(NAME)

(TITLE)

(DATE)

SCHEDULE OF CHARGES

ITEM I FIELD SERVICES

A. Material Tester I	Per Hour:	\$ 112.50
B. Material Tester II	Per Hour:	\$ 112.50
C. IDOT QC/QA Level III BIT or PCC	Per Hour:	\$ 125.00

CME Technician classification includes IDOT BIT/PCC and QC/QA Certified Technicians. The time is portal-to-portal from the office servicing the project. Increase hourly rate by 1.3 for over 8.0 hours per day or Saturday . Increase hourly rate by 1.5 for Sunday or Holiday work. The minimum trip charge for 0 to 4 hours is four (4) hours and for 4 to 8 hours is eight (8) hours Monday through Friday and eight (8) hours on Saturday and Sunday.

Engineering services for summary report preparation are invoiced at the Graduate Engineer Rate.

D. Transportation, Light Vehicle	Per Mile:	\$ 0.60
E. Use of Nuclear Moisture/Density Gauge	Per Day:	\$ 35.00
F. Pickup Concrete Test Samples	Per Trip:	\$ 90.00

ITEM II LABORATORY SERVICES

A. Soils

1. Compaction Curve to establish the maximum dry unit weight and optimum water content		
a. Modified (AASHTO T180, ASTM D1557)	Each:	\$ 190.00
b. Standard(AASHTO T99, ASTM D698)	Each:	\$ 180.00
c. Add for Methods B, C, or D	Each:	\$ 18.00
2. Thin-Walled Tube Samples		
a. Combined Water Content & Dry Unit Weight Determination	Each:	\$ 18.00
b. Unconfined Compressive Strength	Each:	\$ 12.00

B. Portland Cement Concrete/Aggregates

1. Concrete Test Cylinders (6"x12")		
a. Compressive Strength	Each:	\$ 17.50
b. Spares/Handling Charge	Each:	\$ 17.50
c. Trim End of Specimen When Necessary	Each:	\$ 30.00

2. Concrete Test Cylinders (4"x8")		
a. Compressive Strength	Each:	\$ 17.50
b. Spares/Handling Charge	Each:	\$ 17.50
c. Trim End of Specimen When Necessary	Each:	\$ 30.00
3. Sieve Analysis		
a. Unwashed	Each:	\$ 68.50
b. Washed	Each:	\$ 90.00
C. Bituminous Concrete		
1. Extraction Analysis		
a. Unwashed	Each:	\$ 185.00
b. Washed	Each:	\$ 205.00
2. Compaction of Bituminous Mixture by Gyratory Methods and Bulk Specific Gravity Test	Set of Two	\$ 185.00
3. Theoretical Maximum Specific Gravity of Paving Mixture	Each:	\$ 90.00
4. Calibration of Ignition Oven for Asphalt Content by IDOT Methods:	Each:	\$ 650.00
5. Determining Asphalt Content by Ignition Oven:	Each:	\$ 100.00
6. Determining Asphalt Content by Ignition Oven and Washed Gradation:	Each:	\$ 175.00
7. Bulk Density of Core Specimens	Each:	\$ 45.00

ITEM III CONSULTATION AND REPORT PREPARATION

A. Registered Professional Engineer, Principal	Per Hour:	\$ 200.00
B. Registered Professional Engineer	Per Hour:	\$ 160.00
C. Graduate Civil Engineer	Per Hour:	\$ 140.00
D. Transportation		
1. Light Vehicle	Per Mile:	\$ 0.60
2. Public Transportation		Cost + 10%

The above rates are valid through December 31, 2017.

ASSUMPTIONS & ESTIMATED FEE

The following estimate is based on review of materials quantities provided by the Christopher B. Burke Engineering, Ltd. and the Illinois Department of Transportation's Project Procedures Guide. At the time this estimate was prepared the contractor's schedule was not available. The unit prices used below are based on our current cost structure.

Portland Cement Concrete/Field					
Item No.	ITEMS	Unit	Quantity	Unit Price	Amount
1	Material Tester I	Hour	16.0	112.50	\$ 1,800.00
2	Material Tester I, Overtime	Hour		146.25	\$ 0.00
3	Travel, Light Vehicle	Mile	140	0.60	\$ 84.00
4	Pickup Test Samples	Each	2	90.00	\$ 180.00
5	Concrete Test Cylinders (6"x 12")	Each	8	17.50	\$ 140.00
6	Concrete Test Cylinders (4"x 8")	Each		17.50	\$ 0.00
7	Sieve Analysis, Aggregate	Each		90.00	\$ 0.00
Sub-Total:					\$ 2,204.00

Estimate Basis: Two site visits to test and sample concrete placed for shoulders and sidewalks/combination curb and gutter.

Bituminous Concrete/Field					
Item No.	ITEMS	Unit	Quantity	Unit Price	Amount
1	Material Tester I	Hour	20.0	112.50	\$ 2,250.00
2	Material Tester I, Overtime	Hour		146.25	\$ 0.00
3	Travel, Light Vehicle	Mile	210	0.60	\$ 126.00
4	Pickup Test Samples	Each		90.00	\$ 0.00
5	Nuclear Moisture Density Gauge	Day	2	35.00	\$ 70.00
6	Bituminous Concrete Extraction Analysis	Each		185.00	\$ 0.00
7	Compaction of Bituminous Mixture by Gyrotory Methods and Bulk Specific Gravity Test	Set of Two		185.00	\$ 0.00
8	Density of Core Sample	Each	15	45.00	\$ 675.00
Sub-Total:					\$ 3,121.00

Estimate Basis: Two site visits to monitor the compaction of the bituminous polymerized leveling binder and surface course. One plant visit to pick up core samples for density determinations.

Christopher B. Burke Engineering, Ltd.
West Schwerman Road
P.N. 59,622 - October 3, 2017

Project Coordination & Report Preparation					
Item No.	ITEMS	Unit	Quantity	Unit Price	Amount
1	Project Engineer	Hour	5	140.00	\$ 700.00
2	QA Manager	Hour	0	100.00	\$ 0.00
Sub-Total:					\$ 700.00

TSC's base fee schedule includes up to three copies of each report.

Estimated Total: \$ 6,025.00

RECOMMENDED BUDGET: \$ 6,025.00



TESTING SERVICE CORPORATION

1. PARTIES AND SCOPE OF WORK: If Client is ordering the services on behalf of another, Client represents and warrants that Client is the duly authorized agent of said party for the purpose of ordering and directing said services, and in such case the term "Client" shall also include the principal for whom the services are being performed. Prices quoted and charged by TSC for its services are predicated on the conditions and the allocations of risks and obligations expressed in these General Conditions. Unless otherwise stated in writing, Client assumes sole responsibility for determining whether the quantity and the nature of the services ordered by Client are adequate and sufficient for Client's intended purpose. Unless otherwise expressly assumed in writing, TSC's services are provided exclusively for Client. TSC shall have no duty or obligation other than those duties and obligations expressly set forth in this Agreement. TSC shall have no duty to any third party. Client shall communicate these General Conditions to each and every party to whom the Client transmits any report prepared by TSC. Ordering services from TSC shall constitute acceptance of TSC's proposal and these General Conditions.

2. SCHEDULING OF SERVICES: The services set forth in this Agreement will be accomplished in a timely and workmanlike manner. If TSC is required to delay any part of its services to accommodate the requests or requirements of Client, regulatory agencies, or third parties, or due to any cause beyond its reasonable control, Client agrees to pay such additional charges, if any, as may be applicable.

3. ACCESS TO SITE: TSC shall take reasonable measures and precautions to minimize damage to the site and any improvements located thereon as a result of its services or the use of its equipment; however, TSC has not included in its fee the cost of restoration of damage which may occur. If Client desires or requires TSC to restore the site to its former condition, TSC will, upon written request, perform such additional work as is necessary to do so and Client agrees to pay to TSC the cost thereof plus TSC's normal markup for overhead and profit.

4. CLIENT'S DUTY TO NOTIFY ENGINEER: Client represents and warrants that Client has advised TSC of any known or suspected hazardous materials, utility lines and underground structures at any site at which TSC is to perform services under this Agreement. Unless otherwise agreed in writing, TSC's responsibility with respect to underground utility locations is to contact the Illinois Joint Utility Locating Information for Excavators for the location of public, but not private, utilities.

5. DISCOVERY OF POLLUTANTS: TSC's services shall not include investigation for hazardous materials as defined by the Resource Conservation Recovery Act, 42 U.S.C. § 6901, et seq., as amended ("RCRA") or by any state or Federal statute or regulation. In the event that hazardous materials are discovered and identified by TSC, TSC's sole duty shall be to notify Client.

6. MONITORING: If this Agreement includes testing construction materials or observing any aspect of construction of improvements, Client's construction personnel will verify that the pad is properly located and sized to meet Client's projected building loads. Client shall cause all tests and inspections of the site, materials and work to be timely and properly performed in accordance with the plans, specifications, contract documents, and TSC's recommendations. No claims for loss, damage or injury shall be brought against TSC unless all tests and inspections have been so performed and unless TSC's recommendations have been followed.

TSC's services shall not include determining or implementing the means, methods, techniques or procedures of work done by the contractor(s) being monitored or whose work is being tested. TSC's services shall not include the authority to accept or reject work or to in any manner supervise the work of any contractor. TSC's services or failure to

perform same shall not in any way operate or excuse any contractor from the performance of its work in accordance with its contract. "Contractor" as used herein shall include subcontractors, suppliers, architects, engineers and construction managers.

Information obtained from borings, observations and analyses of sample materials shall be reported in formats considered appropriate by TSC unless directed otherwise by Client. Such information is considered evidence, but any inference or conclusion based thereon is, necessarily, an opinion also based on engineering judgment and shall not be construed as a representation of fact. Subsurface conditions may not be uniform throughout an entire site and ground water levels may fluctuate due to climatic and other variations. Construction materials may vary from the samples taken. Unless otherwise agreed in writing, the procedures employed by TSC are not designed to detect intentional concealment or misrepresentation of facts by others.

7. DOCUMENTS AND SAMPLES: Client is granted an exclusive license to use findings and reports prepared and issued by TSC and any sub-consultants pursuant to this Agreement for the purpose set forth in TSC's proposal provided that TSC has received payment in full for its services. TSC and, if applicable, its sub-consultant, retain all copyright and ownership interests in the reports, boring logs, maps, field data, field notes, laboratory test data and similar documents, and the ownership and freedom to use all data generated by it for any purpose. Unless otherwise agreed in writing, test specimens or samples will be disposed immediately upon completion of the test. All drilling samples or specimens will be disposed sixty (60) days after submission of TSC's report.

8. TERMINATION: TSC's obligation to provide services may be terminated by either party upon (7) seven days prior written notice. In the event of termination of TSC's services, TSC shall be compensated by Client for all services performed up to and including the termination date, including reimbursable expenses. The terms and conditions of these General Conditions shall survive the termination of TSC's obligation to provide services.

9. PAYMENT: Client shall be invoiced periodically for services performed. Client agrees to pay each invoice within thirty (30) days of its receipt. Client further agrees to pay interest on all amounts invoiced and not paid or objected to in writing for valid cause within sixty (60) days at the rate of twelve (12%) per annum (or the maximum interest rate permitted by applicable law, whichever is the lesser) until paid and TSC's costs of collection of such accounts, including court costs and reasonable attorney's fees.

10. WARRANTY: TSC's professional services will be performed, its findings obtained and its reports prepared in accordance with these General Conditions and with generally accepted principles and practices. In performing its professional services, TSC will use that degree of care and skill ordinarily exercised under similar circumstances by members of its profession. In performing physical work in pursuit of its professional services, TSC will use that degree of care and skill ordinarily used under similar circumstances. This warranty is in lieu of all other warranties or representations, either express or implied. Statements made in TSC reports are opinions based upon engineering judgment and are not to be construed as representations of fact.

Should TSC or any of its employees be found to have been negligent in performing professional services or to have made and breached any express or implied warranty, representation or contract, Client, all parties claiming through Client and all parties claiming to have in any way relied upon TSC's services or work agree that the maximum aggregate amount of damages for which TSC, its officers, employees and agents shall be liable is limited to \$50,000 or the total amount of the fee paid to TSC for its services performed with respect to the project, whichever amount is greater.

GENERAL CONDITIONS

Geotechnical and Construction Services

In the event Client is unwilling or unable to limit the damages for which TSC may be liable in accordance with the provisions set forth in the preceding paragraph, upon written request of Client received within five days of Client's acceptance of TSC's proposal together with payment of an additional fee in the amount of 5% of TSC's estimated cost for its services (to be adjusted to 5% of the amount actually billed by TSC for its services on the project at time of completion), the limit on damages shall be increased to \$500,000 or the amount of TSC's fee, whichever is the greater. This charge is not to be construed as being a charge for insurance of any type, but is increased consideration for the exposure to an award of greater damages.

11. INDEMNITY: Subject to the provisions set forth herein, TSC and Client hereby agree to indemnify and hold harmless each other and their respective shareholders, directors, officers, partners, employees, agents, subsidiaries and division (and each of their heirs, successors, and assigns) from any and all claims, demands, liabilities, suits, causes of action, judgments, costs and expenses, including reasonable attorneys' fees, arising, or allegedly arising, from personal injury, including death, property damage, including loss of use thereof, due in any manner to the negligence of either of them or their agents or employees or independent contractors. In the event both TSC and Client are found to be negligent or at fault, then any liability shall be apportioned between them pursuant to their pro rata share of negligence or fault. TSC and Client further agree that their liability to any third party shall, to the extent permitted by law, be several and not joint. The liability of TSC under this provision shall not exceed the policy limits of insurance carried by TSC. Neither TSC nor Client shall be bound under this indemnity agreement to liability determined in a proceeding in which it did not participate represented by its own independent counsel. The indemnities provided hereunder shall not terminate upon the termination or expiration of this Agreement, but may be modified to the extent of any waiver of subrogation agreed to by TSC and paid for by Client.

12. SUBPOENAS: TSC's employees shall not be retained as expert witnesses except by separate, written agreement. Client agrees to pay TSC pursuant to TSC's then current fee schedule for any TSC employee(s) subpoenaed by any party as an occurrence witness as a result of TSC's services.

13. OTHER AGREEMENTS: TSC shall not be bound by any provision or agreement (i) requiring or providing for arbitration of disputes or controversies arising out of this Agreement or its performance, (ii) wherein TSC waives any rights to a mechanics lien or surety bond claim; (iii) that conditions TSC's right to receive payment for its services upon payment to Client by any third party or (iv) that requires TSC to indemnify any party beyond its own negligence. These General Conditions are notice, where required, that TSC shall file a lien whenever necessary to collect past due amounts. This Agreement contains the entire understanding between the parties. Unless expressly accepted by TSC in writing prior to delivery of TSC's services, Client shall not add any conditions or impose conditions which are in conflict with those contained herein, and no such additional or conflicting terms shall be binding upon TSC. The unenforceability or invalidity of any provision or provisions shall not render any other provision or provisions unenforceable or invalid. This Agreement shall be construed and enforced in accordance with the laws of the State of Illinois. In the event of a dispute arising out of or relating to the performance of this Agreement, the breach thereof or TSC's services, the parties agree to try in good faith to settle the dispute by mediation under the Construction Industry Mediation Rules of the American Arbitration Association as a condition precedent to filing any demand for arbitration, or any petition or complaint with any court. Paragraph headings are for convenience only and shall not be construed as limiting the meaning of the provisions contained in these General Conditions.



TESTING SERVICE CORPORATION

Project Data Sheet

General Information:

Project Name: _____
 Project Address: _____
 City / State / Zip: _____
 Project Manager: _____
 E-Mail: _____
 Telephone: _____
 Fax: _____
 Site Contact: _____
 E-Mail: _____
 Telephone: _____
 Fax: _____

Send Invoice To:

Purchase Order Number: _____
 Attention: _____
 Company: _____
 Address: _____
 City / State / Zip: _____
 E-Mail: _____
 Telephone: _____
 Fax: _____

Important Notes:

Completed By:

Signature: _____
 Name: _____
 Date: _____

Distribute Reports as Follows:

Name: _____
 Company: _____
 Address: _____
 City / State / Zip: _____
 E-Mail: _____
 Telephone: _____
 Fax: _____

Name: _____
 Company: _____
 Address: _____
 City / State / Zip: _____
 E-Mail: _____
 Telephone: _____
 Fax: _____

Name: _____
 Company: _____
 Address: _____
 City / State / Zip: _____
 E-Mail: _____
 Telephone: _____
 Fax: _____

Name: _____
 Company: _____
 Address: _____
 City / State / Zip: _____
 E-Mail: _____
 Telephone: _____
 Fax: _____



CHRISTOPHER B. BURKE ENGINEERING, LTD.

9575 W Higgins Road, Suite 600 Rosemont, Illinois 60018-4920 Tel (847) 823-0500 Fax (847) 823-0520

Route: TR 149 & MUN 900
Local Agency: Village of Hawthorn Woods
Section No.: 17-00018-00-RS
Project No.: UJNT (553)
Job No.: C-91-074-18
County: Lake

SCOPE OF SERVICE

The Village of Hawthorn Woods has initiated a project requiring Phase III Professional Engineering Services by Christopher B. Burke Engineering, Ltd. (CBBEL) for the HMA surface removal, Class "D" patches, HMA Surface and Polymerized Leveling Binder, spot curb and gutter and sidewalk removal and replacement, striping, and all incidental and collateral work necessary to complete the project shown on the plans and described in the special provisions. This improvement is located along W. Schwerman Rd. (TR 149 and MUN 900) from N Fairfield Rd. (FAU 191) to N. Gilmer Rd. (FAU 3602). The net and gross length is 10,483 feet (1.98 miles). The project is located within the Village of Hawthorn Woods, Lake County, Illinois. CBBEL will serve as the City's representative during the entire duration of the construction project. The following scope is to be performed by CBBEL throughout the project duration.

Task I Preconstruction Services

Review of Existing Data: Resident Engineer and staff will review plans, specifications and contract documents.

Preconstruction Meeting: CBBEL staff will attend and take meeting minutes for the preconstruction meeting held at IDOT.

Task II Construction Observation

Observation Services: CBBEL staff will perform the following tasks daily or as required by the Contractor's activities:

- Complete all documentation required by IDOT Policy.
- Assign and schedule all field and material inspection and maintain daily contact with the Contractor's personnel to proficiently provide the engineering services necessary for the Contractor's continued progress.
- Direct client contact on project related issues.
- Observe and document traffic control.
- Observe daily construction for compliance to the plans and specifications.
- Coordinate daily with Contractor on work and schedule.
- Manage and quality control of construction engineering staff.



CHRISTOPHER B. BURKE ENGINEERING, LTD.

9575 W Higgins Road, Suite 600 Rosemont, Illinois 60018-4920 Tel (847) 823-0500 Fax (847) 823-0520

- Maintain a daily record of the Contractor's activities throughout construction including information to permit verification of the nature and costs of changes in plans and authorized extra work.
- Prepare and submit all partial and final payment estimates, change orders, records, certifications, documentation, and reports. This documentation will be completed using the Illinois Construction Records System (ICORS).
- Prepare and submit all partial and final material documentation. This documentation will be completed using the MISTIC Entry Database.
- Conduct project meetings (as required).

Task III Materials QA

The Contractor will be required to provide the Quality control QC Testing required by the plans and specifications. The Phase III Engineering Services will be required to provide the subsequent Quality Assurance (QA) Testing. The testing requirements and frequency of testing will be as required and outlined in the IDOT Manual for Materials Testing Inspection and Procedures. Materials Testing will be performed by Testing Service Corporation.

Task IV Project Closeout

Prepare Punchlist: CBBEL staff will prepare and distribute the final punchlist to all parties and verify when completed.

Final Documentation:

- Final documentation, IDOT audit, and project closeout with City of Zion and IDOT.
- Final mark-up of record drawings (redlines).

COMPANY NAME: Christopher B. Burke Engineering, Ltd.

PTB NUMBER: _____

TODAY'S DATE: 11/10/2017

ITEM	ALLOWABLE	UTILIZE WB ONLY	QUANTITY J.S. ONLY	CONTRACT RATE	TOTAL
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J.S. = Job Specific



**Illinois Department
of Transportation**

**Local Public Agency Resident
Construction Supervisor/ In
Responsible Charge**

Anthony Quigley
Regional Engineer
Department of Transportation
201 West Center Court
Schaumburg, Illinois 60196

County	Lake
Municipality	Village of Hawthorn Woods
Section	17-00018-00-RS
Route	TR 149 & MUN 900
Contract No.	61E38
Job No.	C-91-074-18
Project	UJNT (553)

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

03-27-18
Date

[Signature]
Signature and Title (for the Local Public Agency)

Kevin Wilson, PE
Applicants Name (Type or Print)

The following describes my educational background, experience and other qualifications to be resident construction supervisor of this construction project for the Local Public Agency.
For Consultants: I certify that my firm is prequalified in Construction Inspection and my Documentation of Contract Quantities certificate number is 17-12354.

See attached resume.

2-26-18
Date

[Signature]
Signature of Applicant

Assistant Department Head, Construction Engineering
Job Title of Applicant

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

Approved _____
Date

Regional Engineer

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

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

YEARS EXPERIENCE: 16
YEARS WITH CBBEL: 16

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

CONSTRUCTION

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

PROFESSIONAL REGISTRATION
Professional Engineer, IL,
062.059552, 2006

CERTIFICATIONS
Documentation of Contract
Quantities, IDOT, 17-12354

Material Management of
Job Sites, IDOT

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

PROFESSIONAL DEVELOPMENT
IDOT QC/QA Courses:

Mixture Aggregate Technician
Course

Bituminous Concrete Level 1
Technician Course

Bituminous Concrete Level 2
Technician Course

Portland Cement Concrete
Level 1

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

Troxler Nuclear Gauge Safety
Training Class

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

STTP-S11 Hot Mix Asphalt
Field Inspection

STTP-S33 Soils Field Testing
and Inspection

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

TT – ADA/PROWAG

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

Road and Relief Sewer Project, Wilmette: Project Engineer and Resident Engineer responsible for construction engineering and observation including: verifying that contractor was in conformance with plans and specifications, preparing pay estimates and change orders. Project consisted of partial depth resurfacing of over 1.1 total miles of various residential roadway improvements. Utility construction included 600' of 18" sanitary sewer removal and replacement,





**Illinois Department
of Transportation**

**Local Public Agency
Construction Inspector**

Anthony Quigley
Regional Engineer
Department of Transportation
201 West Center Court
Schaumburg, Illinois 60196

County	Lake
Municipality	Village of Hawthorn Woods
Section	17-00018-00-RS
Route	TR 149 & MUN 900
Contract No.	61E38
Job No.	C-91-074-18
Project	UJNT (553)

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

Approved 2-26-18 _____ Assistant Department Head, Construction Engineering
 Date Signature and Title of Resident Construction Supervisor

 Susan Karch, EI
 Applicants Name (Type or Print)

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

For Consultants Employees: Documentation of Contract Quantities certificate number is 15-0094.

See attached resume.

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

Approved 03-27-18 _____
 Date Signature and Title of In Responsible Charge from BC-775

Ms. Karch joins CBBEL with over 20 years of civil engineering experience in various disciplines with a strong emphasis in construction. This experience entails work for the following agencies: IDOT, CDOT, Tollway, Chicago Public School System, Village of Hazel Crest, General Contractors and the Private Sector. Responsibilities include construction observation, project reports, documentation of quantities, review of contractor pay estimates, coordination of materials testing and inspection, site surveys and interaction with the contractor and client. Observed activities include roadway and water main. Civil design experience consists of resurfacing and reconstruction projects.

Assistant Resident Engineer/Materials Coordinator/Construction Inspector/Documentation Engineer for the following projects.*

Torrence Avenue over Grand Calumet River Bridge Replacement, Cook County, IDOT: Documentation Engineer for bridge replacement at Torrence Avenue over Grand Calumet River, roadway widening, construction of storm sewer and drainage structures, retaining walls, street lighting, landscaping and all incidental and collateral work necessary to complete the improvements. Estimated construction cost \$11 million. Responsible for review of project submittals, all IDR's submitted by inspectors, prepared authorizations for contract changes, and oversaw steel H Pile installation.

IL 38 (Roosevelt Road) at Union Pacific Railroad and Kautz Road, DuPage and Kane County, IDOT: Documentation Engineer. Improvement included construction of a grade-separation structure of IL 38 over UPRR with a relocated intersection of IL 38 and Kautz Rd. Work consisted of pavement removal, building removal, earth excavation, furnished excavation, PCC pavement, HMA pavement, curb and gutter, bridge construction, retaining walls, guardrail, storm sewer drainage system, sanitary sewers, watermain, pavement markings, erosion and sediment control, traffic control and protection, temporary concrete barrier wall, landscaping, fencing, traffic signals, temporary and permanent lighting, and all other incidental and collateral work necessary to complete the improvement. Assisted RE on numerous design issues. Prepared authorizations for contract changes and extra work and evaluated change order requests. Responsible for inspection of all traffic signal improvements and temporary and permanent lighting and miscellaneous inspection duties. Project received a Special Achievement Award from ACEC Illinois in 2016. Project Value \$26 million.

US Route 6 from Lexington Avenue to Fisk Avenue, IDOT, Harvey: Construction Inspector, assisted RE evaluate change order requests and helped finalize contract. Project consisted of staged construction of 3 railroad bridges, 2 highway bridges and numerous retaining wall systems to replace 2 Canadian National and Metra Railroad viaducts. Construction Value \$38 million.

US Route 6 from East of I-294 (Tri-State Tollway) to East of IL-1 Halsted Street, IDOT, Harvey: Construction Inspector, assisted RE evaluate change order requests and helped finalize contract. Project consisted of roadway reconstruction, intersection improvements, drainage work, and lighting and traffic signal modernization. Construction Value \$18 million. Project received the IDOT Consultant Exceptional Service Award - Category of Urban Highway.

ADA Term Agreement - North Area, CDOT: Construction Inspector/Documentation for construction engineering services for the installation of ADA compliant sidewalk ramps in various locations of the north side of Chicago. Project Value \$201,000.

175th and Palmer Boulevard & Jovanna Street, Hazel Crest: Construction Engineer responsible for enforcing contract specification requirements. Performed all field inspection and documented all contract quantities. Project consisted of pavement resurfacing and included base course repair, replacement of curb and gutter, hot-in-place recycling, overlay and pavement marking.

Maintenance Facilities Program Management (I-294 M-1 New Salt Storage Facility), Alsip, Illinois Tollway: Construction Engineer, assisted RE on all facets of project including but not limited to documentation of contract quantities, field inspection, engineering estimate and evaluating change order requests. Removal and replacement of material storage facility was performed. Improvement also included regrading and paving of surrounding structure for drainage purposes.

YEARS EXPERIENCE: 24
YEARS WITH CBBEL: 1

EDUCATION
Bachelor of Science, 1994
Civil Engineering
University of Illinois at
Urbana-Champaign

PROFESSIONAL REGISTRATION
Engineer Intern, IL,
061.02519, 1994

CERTIFICATIONS
Documentation of Contract
Quantities, IDOT, 15-0094

PROFESSIONAL DEVELOPMENT
IDOT QC/QA Courses:
Mixture Aggregate Level I
Technician Course

Portland Cement Concrete
Level I & II Course
Hot Mix Asphalt Level, I, II, & III
Nuclear Density Tester Course

STTP-S33 Soils Field Testing
and Inspection Course

Erosion & Sediment Control
Classes, Fundamental Module
I & Inspection Module III

National Highway Institute:
Bridge Coating Inspection
Training Course





Certificate of Proficiency

This certificate is awarded to

Kevin Edward Wilson

for successfully completing the examination for

Documentation of Contract Quantities

Certificate Number: 17-12354

Effective Date: 1/18/2017

Expiration Date: 1/18/2021

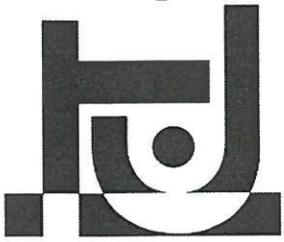
Professional Development Hours: 0

A handwritten signature in black ink, appearing to read 'Paul A. Loete', positioned above a horizontal line.

Paul A. Loete, P.E. – Director of Highways PI/Chief Engineer

A handwritten signature in black ink, appearing to read 'Gregory Renshaw', positioned above a horizontal line.

Gregory Renshaw, Research Engineer ICT



**ILLINOIS CENTER FOR
TRANSPORTATION**



**Illinois Department
of Transportation**

Certificate of Proficiency

This certificate is awarded to

Susan Geralynn Karch

for successfully completing the examination for

Documentation of Contract Quantities

Certificate Number: 15-0094

Effective Date: 1/8/2015

Expiration Date: 1/8/2019

Professional Development Hours (PDHs): 18.0

A handwritten signature in black ink, appearing to read 'A. Weatherholt'.

Aaron Weatherholt, Deputy Director of Highways

A handwritten signature in black ink, appearing to read 'G. Renshaw'.

Gregory Renshaw, Research Engineer ICT



ORDINANCE NO. 1845-18

AN ORDINANCE AUTHORIZING THE EXECUTION OF AN AGREEMENT WITH ILLINOIS DEPARTMENT OF TRANSPORTATION – CONSTRUCTION ENGINEERING AGREEMENT FOR FEDERAL PARTICIPATION BLR 05611

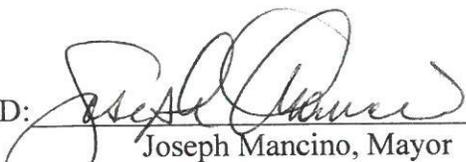
BE IT ORDAINED by the Mayor and Board of Trustees of the Village of Hawthorn Woods, Illinois, that the Mayor be, and the same is hereby authorized and directed, to execute an Agreement with Illinois Department of Transportation – Construction Engineering Agreement for Federal Participation BLR 05611 for the Schwerman Road Improvements. Such Agreement is by and between the Village of Hawthorn Woods and the Illinois Department of Transportation, a copy of which is attached hereto as Exhibit “A”, and, by this reference made a part hereof.

The foregoing Ordinance was adopted on March 26, 2018 by a roll call vote as follows:

AYES: Kaiser, Kesik, Riess, Corrigan, Dimaggio, David

NAYS: Ø

ABSENT AND NOT VOTING: Ø

APPROVED: 
Joseph Mancino, Mayor

ATTEST: 
Donna Lobaito, Village Clerk

ADOPTED: March 26, 2018

APPROVED: March 26, 2018