

STATE OF ILLINOIS)

COUNTY OF C O O K) SS.

COUNTY OF W I L L)

CLERK'S CERTIFICATE

I, **PATRICK E. REA**, the duly elected and qualified Village Clerk of the Village of Tinley Park, Cook and Will Counties, Illinois, do hereby certify that attached hereto is a true and correct copy of the Resolution now on file in my office, entitled:

RESOLUTION NO. 2017-R-008

A RESOLUTION APPROVING A PRELIMINARY ENGINEERING AGREEMENT WITH ROBINSON ENGINEERING FOR THE 175th STREET ROADWAY IMPROVEMENTS

which was passed by the Board of Trustees of the Village of Tinley Park at a regular meeting held on the 7th day of March, 2017, at which meeting a quorum was present, and approved by the President of the Village of Tinley Park on the 7th day of March, 2017.

I further certify that the vote on the question of the passage of the said Resolution by the Board of Trustees of the Village of Tinley Park was taken by the Ayes and Nays and recorded in the Journal of Proceedings of the Board of Trustees of the Village of Tinley Park, and that the result of said vote was as follows, to-wit:

AYES: Maher, Grady, Pannitto, Vandenberg, Younker

NAYS: None

ABSENT: Suggs

I do further certify that the original Resolution, of which the attached is a true copy, is entrusted to my care for safekeeping, and that I am the lawful keeper of the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of the Village of Tinley Park, this 7th day of March, 2017.


Village Clerk

RESOLUTION NO. 2017-R-008

**A RESOLUTION APPROVING A PRELIMINARY ENGINEERING AGREEMENT WITH
ROBINSON ENGINEERING FOR THE 175th STREET ROADWAY IMPROVEMENTS**

WHEREAS, the Village of Tinley Park, Cook and Will Counties, Illinois, is a Home Rule Unit pursuant to the Illinois Constitution of 1970; and

WHEREAS, the Corporate Authorities of the Village of Tinley Park, Cook and Will Counties, Illinois, have considered entering into a Agreement with Robinson Engineering, a true and correct copy of such Preliminary Engineering Agreement being attached hereto and made a part hereof as **EXHIBIT 1**; and

WHEREAS, the Corporate Authorities of the Village of Tinley Park, Cook and Will Counties, Illinois, have determined that it is in the best interests of said Village of Tinley Park that said Agreement be entered into by the Village of Tinley Park;

NOW, THEREFORE, Be It Resolved by the President and Board of Trustees of the Village of Tinley Park, Cook and Will Counties, Illinois, as follows:

Section 1: The Preambles hereto are hereby made a part of, and operative provisions of, this Resolution as fully as if completely repeated at length herein.

Section 2: That this President and Board of Trustees of the Village of Tinley Park hereby find that it is in the best interests of the Village of Tinley Park and its residents that the aforesaid "Agreement" be entered into and executed by said Village of Tinley Park, with said Agreement to be substantially in the form attached hereto and made a part hereof as **EXHIBIT 1**.

Section 3: That the President and Clerk of the Village of Tinley Park, Cook and Will Counties, Illinois are hereby authorized to execute for and on behalf of said Village of Tinley Park the aforesaid Agreement.

Section 4: That this Resolution shall take effect from and after its adoption and approval.

ADOPTED this 7th day of March, 2017, by the Corporate Authorities of the Village of Tinley

Park on a roll call vote as follows:

AYES: Maher, Grady, Pannitto, Vandenberg, Younker

NAYS: None

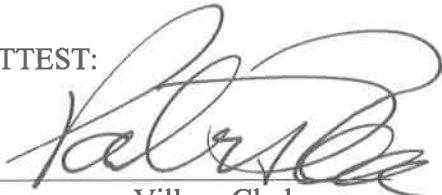
ABSENT: Suggs

APPROVED this 7th day of March, 2017, by the President of the Village of Tinley Park.



Village President

ATTEST:



Village Clerk

EXHIBIT 1

Local Agency Village of Tinley Park	LOCAL AGENCY	 Illinois Department of Transportation Preliminary Engineering Services Agreement For Federal Participation	CONSULTANT	Consultant Robinson Engineering, Ltd.
County Cook				Address 17000 South Park Avenue
Section 08-B8526-03-RS				City South Holland
Project No.				State Illinois
Job No.				Zip Code 60473
Contact Name/Phone/E-mail Address Kevin Workowski, Director of Public Works (708) 444-5510 kworkowski@tinleypark.org				Contact Name/Phone/E-mail Address Christopher King, PE (708) 210-5680 ckking@reltd.com

THIS AGREEMENT is made and entered into this _____ day of _____, 2017 between the above Local Agency (LA) and Consultant (ENGINEER) and covers certain professional engineering services in connection with the PROJECT. 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.

Project Description

Name Oak Forest Avenue Route _____ Length _____ Structure No. _____

Termini Ridgeland Avenue to 167th Street

Description Updates to the Phase I Engineering Report, and the completion of the Phase II Engineering for the reconstruction of 175th Street from Oak Park Avenue to Ridgeland Avenue, Ridgeland Avenue from 175th Street to Oak Forest Avenue and Oak Forest Avenue at Ridgeland Avenue. Preparation of the Plat of Highways will be completed for the right-of-way to be acquired.

Agreement Provisions

I. THE ENGINEER AGREES,

- To perform or be responsible for the performance, in accordance with STATE approved design standards and policies, of engineering services for the LA for the proposed improvement herein described.
- To attend any and all meetings and visit the site of the proposed improvement at any reasonable time when requested by representatives of the LA or STATE.
- To complete the services herein described within 500 calendar days from the date of the Notice to Proceed from the LA, excluding from consideration periods of delay caused by circumstances beyond the control of the ENGINEER.
- The classifications of the employees used in the work should be consistent with the employee classifications and estimated man-hours shown in EXHIBIT A. If higher-salaried personnel of the firm, including the Principal Engineer, perform services that are indicated in Exhibit A to be performed by lesser-salaried personnel, the wage rate billed for such services shall be commensurate with the payroll rate for the work performed.
- That the ENGINEER is qualified technically and is entirely conversant with the design standards and policies applicable for the PROJECT; and that the ENGINEER has sufficient properly trained, organized and experienced personnel to perform the services enumerated herein.
- That the ENGINEER shall be responsible for the accuracy of the work and shall promptly make necessary revisions or corrections resulting from the ENGINEER's errors, omissions or negligent acts without additional compensation. Acceptance of work by the STATE will not relieve the ENGINEER of the responsibility to make subsequent correction of any such errors or omissions or for clarification of any ambiguities.
- That all plans and other documents furnished by the ENGINEER pursuant to this AGREEMENT will be endorsed by the ENGINEER and will affix the ENGINEER's professional seal when such seal is required by law. Plans for structures to be built as a part of the improvement will be prepared under the supervision of a registered structural engineer and will affix structural engineer seal when such seal is required by law. It will be the ENGINEER's responsibility to affix the proper seal as required by the Bureau of Local Roads and Streets manual published by the STATE.
- That the ENGINEER will comply with applicable federal statutes, state of Illinois statutes, and local laws or ordinances of the LA.

9. The undersigned certifies neither the ENGINEER nor I have:
- 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,
 - 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
 - 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.
 - are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any Federal department or agency,
 - 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,
 - 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) and
 - 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.
10. To pay its subconsultants for satisfactory performance no later than 30 days from receipt of each payment from the LA.
11. 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.
12. To submit BLR 05613, Engineering Payment Report, to the STATE upon completion of the project (Exhibit B).
13. Scope of Services to be provided by the ENGINEER:
- ☒ Make such detailed surveys as are necessary for the planning and design of the PROJECT.
 - ☐ Make stream and flood plain hydraulic surveys and gather both existing bridge upstream and downstream high water data and flood flow histories.
 - ☐ Prepare applications for U.S. Army Corps of Engineers Permit, Illinois Department of Natural Resources Office of Water Resources Permit and Illinois Environmental Protection Agency Section 404 Water Quality Certification.
 - ☐ Design and/or approve cofferdams and superstructure shop drawings.
 - ☐ Prepare Bridge Condition Report and Preliminary Bridge Design and Hydraulic Report, (including economic analysis of bridge or culvert types and high water effects on roadway overflows and bridge approaches).
 - ☒ Prepare the necessary environmental and planning documents including the Project Development Report, Environmental Class of Action Determination or Environmental Assessment, State Clearinghouse, Substate Clearinghouse and all necessary environmental clearances.
 - ☐ Make such soil surveys or subsurface investigations including borings and soil profiles as may be required to furnish sufficient data for the design of the proposed improvement. Such investigations to be made in accordance with the current Standard Specifications for Road and Bridge Construction, Bureau of Local Roads and Streets Administrative Policies, Federal-Aid Procedures for Local Highway Improvements or any other applicable requirements of the STATE.
 - ☒ Analyze and evaluate the soil surveys and structure borings to determine the roadway structural design and bridge foundation.
 - ☒ Prepare preliminary roadway and drainage structure plans and meet with representatives of the LA and STATE at the site of the improvement for review of plans prior to the establishment of final vertical and horizontal alignment, location and size of drainage structures, and compliance with applicable design requirements and policies.
 - ☒ Make or cause to be made such traffic studies and counts and special intersection studies as may be required to furnish sufficient data for the design of the proposed improvement.
 - ☒ Complete the general and detailed plans, special provisions and estimate of cost. Contract plans shall be prepared in accordance with the guidelines contained in the Bureau of Local Roads and Streets manual. The special provisions and detailed estimate of cost shall be furnished in quadruplicate.
 - ☒ Furnish the LA with survey and drafts in quadruplicate all necessary right-of-way dedications, construction easements and borrow pit and channel change agreements including prints of the corresponding plats and staking as required.

II. THE LA AGREES,

1. To furnish the ENGINEER all presently available survey data and information
2. 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

- ☒ CPFF = 14.5%[DL + R(DL) + OH(DL) + IHDC], or
☐ CPFF = 14.5%[DL + R(DL) + 1.4(DL) + IHDC], or
☐ CPFF = 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

Specific Rate

☐ (Pay per element)

Lump Sum

☐ _____

3. 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.

4. The recipient shall not discriminate 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.).

III. IT IS MUTALLY AGREED,

1. That no work shall be commenced by the ENGINEER prior to issuance by the LA of a written Notice to Proceed.
2. That tracings, plans, specifications, estimates, maps and other documents prepared by the ENGINEER in accordance with this AGREEMENT shall be delivered to and become the property of the LA and that basic survey notes, sketches, charts and other data prepared or obtained in accordance with this AGREEMENT shall be made available, upon request, to the LA or to the STATE, without restriction or limitation as to their use.

3. That all reports, plans, estimates and special provisions furnished by the ENGINEER shall be in accordance with the current Standard Specifications for Road and Bridge Construction, Bureau of Local Roads and Streets Administrative Policies, Federal-Aid Procedures for Local Highway Improvements or any other applicable requirements of the STATE, it being understood that all such furnished documents shall be approved by the LA and the STATE before final acceptance. 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 none of the services to be furnished by the ENGINEER shall be sublet, assigned or transferred to any other party or parties without 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.
5. To maintain, for a minimum of 3 years after the completion of the contract, adequate books, records and supporting documents to verify the amounts, recipients and uses of all disbursements of funds passing in conjunction with the contract; the contract and all books, records and supporting documents related to the contract shall be available for review and audit by the Auditor General and the STATE; and to provide full access to all relevant materials. Failure to maintain the books, records and supporting documents required by this section shall establish a presumption in favor of the STATE for the recovery of any funds paid by the STATE under the contract for which adequate books, records and supporting documentation are not available to support their purported disbursement.
6. The payment by the LA in accordance with numbered paragraph 3 of Section II will be considered payment in full for all services rendered in accordance with this AGREEMENT whether or not they be actually enumerated in this AGREEMENT.
7. That the ENGINEER shall be responsible for any and all damages to property or persons arising out of an error, omission and/or negligent act in the prosecution of the ENGINEER's work and shall indemnify and save harmless the LA, the STATE, and their officers, agents and employees from all suits, claims, actions or damages of any nature whatsoever resulting there from. These indemnities shall not be limited by the listing of any insurance policy.
8. This AGREEMENT may be terminated by the LA upon giving notice in writing to the ENGINEER at the ENGINEER's last known post office address. Upon such termination, the ENGINEER shall cause to be delivered to the LA all drawings, plats, surveys, reports, permits, agreements, soils and foundation analysis, provisions, specifications, partial and completed estimates and data, if any from soil survey and subsurface investigation with the understanding that all such material becomes the property of the LA. The LA will be responsible for reimbursement of all eligible expenses to date of the written notice of termination.
9. 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 the 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,
- 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.

10. 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 of this AGREEMENT or such other remedy as the LA deems appropriate.

Agreement Summary

Prime Consultant:	TIN Number	Agreement Amount
Robinson Engineering, Ltd.	36-2407339	\$443,869.00
Sub-Consultants:	TIN Number	Agreement Amount
Geocon Professional Services	45-0644817	\$38,693.00
	Sub-Consultant Total:	\$38,693.00
	Prime Consultant Total:	\$443,869.00
	Total for all Work:	\$482,562.00

Executed by the LA:

Village of Tinley Park

(Municipality/Township/County)

ATTEST:

By:



Patrick E. Rea, Village Clerk

By:

David G. Seaman, Mayor

(SEAL)

Executed by the ENGINEER:

ATTEST:

By:



Jennifer S. Prinz, Director of Engineering

Robinson Engineering, Ltd.

By:

Christopher J. King, President





Illinois Department
of Transportation

Exhibit A - Part A Report Updates

Route: Oak Forest Avenue - Ridgeland Ave. to 167th St.

Local Agency Village of Tinley Park

Section: 08-B8526-03-RS

Project:

Job No.:

Overhead + Burden Rate

Complexity Factor

Calendar Days

Overhead + Burden Rate

167.64%

0.00

500

167.64%

Method of Compensation:

Cost Plus Fixed Fee 1

Cost Plus Fixed Fee 2

Cost Plus Fixed Fee 3

Direct Labor Multiple

Specific Rate

Lump Sum

☒ 14.5%[DL + R(DL) + OH(DL) + IHDC]

☐ 14.5%[DL + R(DL) + 1.4(DL) + IHDC]

☐ 14.5%[(2.3 + R)DL + IHDC]

☐ [(2.8 + R)DL] + IHDC

PART A TASK 1
SUPPLEMENT 1

Cost Estimate of Consultant's Services in Dollars

TASK	PART A TASK 1	Man- hours	Payroll Rate	Payroll Costs	Overhead & Burden	Service By Others	In-House Direct Cost	Fixed Fee	Total	% of Grand Total
TASK 1 ENGINEERING SERVICES										
1A	General Administration	56	\$46.86	\$2,624	\$4,399			\$1,018.29	\$8,041	10.18%
1B	Project Report Update	180	\$33.03	\$5,945	\$9,966			\$2,307.02	\$18,217	23.07%
1C	Traffic Signal Warrant Study	16	\$39.34	\$629	\$1,055			\$244.27	\$1,929	2.44%
1D	Right of Way	40	\$36.46	\$1,458	\$2,445			\$565.91	\$4,469	5.66%
1E	Public Involvement	84	\$31.62	\$2,656	\$4,453			\$1,030.80	\$8,140	10.31%
1F	Final Project Report	32	\$34.81	\$1,114	\$1,867			\$432.23	\$3,413	4.32%
1G	Drainage Study	176	\$39.21	\$6,901	\$11,569			\$2,678.05	\$21,147	26.78%
1H	QC/QA	10	\$53.19	\$532	\$892			\$206.43	\$1,630	2.06%
1J	TASK 1J								\$0	0.00%
1K	Geocon - 1					\$10,720			\$10,720	13.58%
	TASK 1K								\$0	0.00%
	Direct Costs						\$1,260		\$1,260	1.60%
Totals		594	\$36.80	\$ 21,859	\$ 36,644	\$ 10,720	\$ 1,260	\$ 8,483	\$ 78,966	100.00%

ASSUMPTIONS:

1) Services by Others = Geocon - PESA

BLR 05610 (Rev. 9/06)



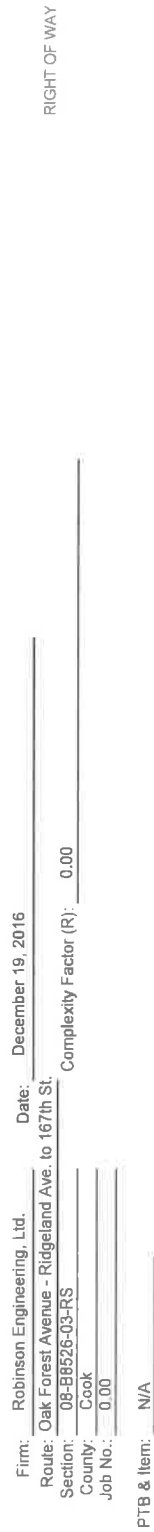
REPORT

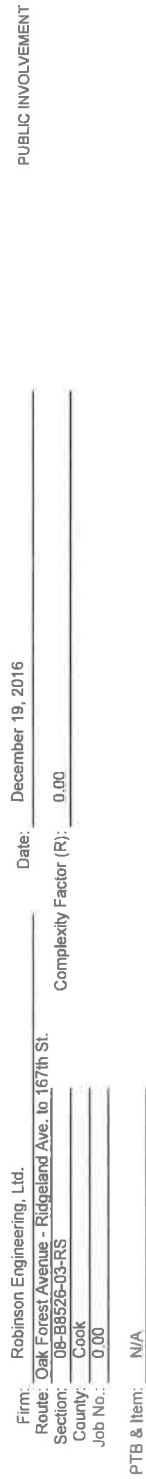
Firm: Robinson Engineering, Ltd. Date: December 19, 2016
 Route: Oak Forest Avenue - Ridgeland Ave. to 167th St.
 Section: 08-B8526-03-RS Complexity Factor (R): 0.00
 County: Cook
 Job No.: 0.00
 PTB & Item: N/A



PTB & Item: N/A

Description of Work	Man Hours															Total
	PE 2	SPM 2	SPM 1	SR	ENGR 2	PROJ ENGR 2	PROJ ENGR 1	CHIEF LS	LS 3	CAD MGR	CAD TECH 2	GIS DEV	FLD SUPT	CREW CHIEF	ADMIN 1	
TASK 1C																
Traffic Signal Warrant Study																
Study and Analysis			8.0			8.0										0.0
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Description of Work	Man Hours														
	PE 2	SPM 2	SPM 1	SR ENGR 2	PROJ ENGR 2	PROJ ENGR 1	CHIEF LS	LS 3	CAD MGR	CAD TECH 2	GIS DEV	FLD SUPT	CREW CHIEF	ADMIN 1	Total
TASK 1E															
Public Involvement															0.0
Public Open House	4.0	4.0	4.0			4.0									16.0
Exhibits			4.0			16.0			8.0	16.0					44.0
Notification, mailings, minutes						8.0								8.0	16.0
Utility Coordination						8.0									8.0
															0.0
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															0.0
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TOTAL HOURS (INDIVIDUAL DISCIPLINE)	4.0	4.0	8.0	0.0	0.0	36.0	0.0	0.0	8.0	16.0	0.0	0.0	0.0	8.0	
TOTAL HOURS (ALL DISCIPLINES)	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
PERCENTAGE QUANTITIES	4.76%	4.76%	9.52%	0.00%	0.00%	42.86%	0.00%	0.00%	9.52%	19.05%	0.00%	0.00%	0.00%	9.52%	
	PRINCIPAL ENGINEER 2	SENIOR PROJECT MANAGER 2	SENIOR PROJECT MANAGER 1	SENIOR ENGINEER 2	PROJECT ENGINEER 2	PROJECT ENGINEER 1	CHIEF LAND SURVEYOR	LAND SURVEYOR 3	CAD MANAGER	CAD TECHNOLOGIST 2	GIS DEVELOPER	FIELD SUPERINTENDENT	FIELD CREW CHIEF	ADMINISTRATIVE 1	



FINAL PROJECT REPORT

Description of Work	Man Hours															Total
	PE 2	SPM 2	SPM 1	SR	ENGR 2	PROJ ENGR 2	PROJ ENGR 1	CHIEF LS	LS 3	CAD MGR	CAD TECH 2	GIS DEV	FLD SUPT	CREW CHIEF	ADMIN 1	
TASK 1F																
Final Project Report																
Final Report Revisions/Preparation				8.0		16.0					8.0					0.0
																32.0
																0.0
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DRAINAGE STUDY

Firm: Robinson Engineering, Ltd.

Route: Oak Forest Avenue - Ridgeland Ave. to 167th St.

Section: 08-B8526-03-RS

County: Cook

Job No.: 0.00

Date: December 19, 2016

Complexity Factor (R): 0.00

PTB & Item: N/A

Description of Work	Man Hours															Total
	PE 2	SPM 2	SPM 1	SR	ENGR 2	PROJ ENGR 2	PROJ ENGR 1	CHIEF LS	LS 3	CAD MGR	CAD TECH 2	GIS DEV	FLD SUPT	CREW CHIEF	ADMIN 1	
TASK 1G																
Drainage Study																
																0.0
																8.0
Outlet Alternatives					8.0											
Calculations/Modeling					24.0											24.0
IDNR/MMWRD Coordination					16.0											16.0
Draft Report					40.0					16.0	24.0					80.0
Final Report					24.0					8.0	16.0					48.0
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TOTAL HOURS (INDIVIDUAL DISCIPLINE)	0.0	0.0	0.0	0.0	112.0	0.0	0.0	0.0	0.0	24.0	40.0	0.0	0.0	0.0	0.0	0.0
TOTAL HOURS (ALL DISCIPLINES)	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0
PERCENTAGE QUANTITIES	0.00%	0.00%	0.00%	63.64%	63.64%	0.00%	0.00%	0.00%	0.00%	13.64%	22.73%	0.00%	0.00%	0.00%	0.00%	0.00%
	PRINCIPAL ENGINEER 2	SENIOR PROJECT MANAGER 2	SENIOR PROJECT MANAGER 1	SENIOR ENGINEER 2	PROJECT ENGINEER 2	PROJECT ENGINEER 1	CHIEF LAND SURVEYOR	LAND SURVEYOR 3	CAD MANAGER	CAD TECHNOLOGIST 2	GIS DEVELOPER	FIELD SUPERINTENDENT	FIELD CREW CHIEF	ADMINISTRATIVE 1		



PTB & Item: N/A

Date: December 19, 2016

Complexity Factor (R): 0.00

[illegible]



PART A

PTB & Item: N/A

[illegible]

EXHIBIT F AVERAGE HOURLY WORK RATES

Firm: Robinson Engineering, Ltd. Date: December 19, 2016
 Route: Oak Forest Avenue - Ridgeland Ave. to 167th St.
 Section: 08-BB526-03-RS Complexity Factor (R) 0.00
 County: Cook
 Job No.: _____

PTB & Item N/A

JOB CLASSIFICATION	SALARY	General Administration		Field Services		Intersection Design Study		Project Report Update		Traffic Signal Warrant Study		Right of Way	
		% Part	Wgt. Rate	% Part	Wgt. Rate	% Part	Wgt. Rate	% Part	Wgt. Rate	% Part	Wgt. Rate	% Part	Wgt. Rate
PRINCIPAL ENGINEER 2	\$69.15	14.29%	\$9.88	0.00%		0.00%		0.00%		0.00%		0.00%	
SENIOR PROJECT MANAGER 2	\$53.25	14.29%	\$7.61	0.00%		0.00%		0.00%		0.00%		0.00%	
SENIOR PROJECT MANAGER 1	\$45.16	50.00%	\$22.58	0.00%		0.00%		8.89%	\$4.01	50.00%	\$22.58	40.00%	\$18.06
SENIOR ENGINEER 2	\$43.65	0.00%		0.00%		0.00%		0.00%		0.00%		0.00%	
PROJECT ENGINEER 2	\$33.52	0.00%		0.00%		0.00%		44.44%	\$14.90	50.00%	\$16.76	0.00%	
PROJECT ENGINEER 1	\$26.28	0.00%		0.00%		0.00%		8.89%	\$2.34	0.00%		40.00%	\$10.51
CHIEF LAND SURVEYOR	\$41.70	7.14%	\$2.98	0.00%		0.00%		0.00%		0.00%		0.00%	
LAND SURVEYOR 3	\$39.40	0.00%		0.00%		0.00%		0.00%		0.00%		20.00%	\$7.88
CAD MANAGER	\$38.80	7.14%	\$2.77	0.00%		0.00%		13.33%	\$5.17	0.00%		0.00%	
CAD TECHNOLOGIST 2	\$27.02	0.00%		0.00%		0.00%		24.44%	\$6.60	0.00%		0.00%	
GIS DEVELOPER	\$33.55	0.00%		0.00%		0.00%		0.00%		0.00%		0.00%	
FIELD SUPERINTENDENT	\$40.10	0.00%		0.00%		0.00%		0.00%		0.00%		0.00%	
FIELD CREW CHIEF	\$31.28	0.00%		0.00%		0.00%		0.00%		0.00%		0.00%	
ADMINISTRATIVE 1	\$14.56	7.14%	\$1.04	0.00%		0.00%		0.00%		0.00%		0.00%	
AVERAGE PAYROLL RATE		100.00%	\$46.86	0.00%	\$0.00	0.00%	\$0.00	100.00%	\$33.03	100.00%	\$39.34	100.00%	\$36.46

	SALARY	Public Involvement		Final Project Report		Drainage Study		ROW Plans & Legals		Plans, Specifications & Estimate		QC/QA	
		% Part	Wgt. Rate	% Part	Wgt. Rate	% Part	Wgt. Rate	% Part	Wgt. Rate	% Part	Wgt. Rate	% Part	Wgt. Rate
PRINCIPAL ENGINEER 2	\$69.15	4.76%	\$3.29	0.00%		0.00%		0.00%		0.00%		20.00%	\$13.83
SENIOR PROJECT MANAGER 2	\$53.25	4.76%	\$2.54	0.00%		0.00%		0.00%		0.00%		40.00%	\$21.30
SENIOR PROJECT MANAGER 1	\$45.16	9.52%	\$4.30	25.00%	\$11.29	0.00%		0.00%		0.00%		40.00%	\$18.06
SENIOR ENGINEER 2	\$43.65	0.00%		0.00%		63.64%	\$27.78	0.00%		0.00%		0.00%	
PROJECT ENGINEER 2	\$33.52	0.00%		50.00%	\$16.76	0.00%		0.00%		0.00%		0.00%	
PROJECT ENGINEER 1	\$26.28	42.86%	\$11.26	0.00%		0.00%		0.00%		0.00%		0.00%	
CHIEF LAND SURVEYOR	\$41.70	0.00%		0.00%		0.00%		0.00%		0.00%		0.00%	
LAND SURVEYOR 3	\$39.40	0.00%		0.00%		0.00%		0.00%		0.00%		0.00%	
CAD MANAGER	\$38.80	9.52%	\$3.70	0.00%		13.64%	\$5.28	0.00%		0.00%		0.00%	
CAD TECHNOLOGIST 2	\$27.02	19.05%	\$5.15	25.00%	\$6.76	0.00%	\$6.14	0.00%		0.00%		0.00%	
GIS DEVELOPER	\$33.55	0.00%		0.00%		0.00%		0.00%		0.00%		0.00%	
FIELD SUPERINTENDENT	\$40.10	0.00%		0.00%		0.00%		0.00%		0.00%		0.00%	
FIELD CREW CHIEF	\$31.28	0.00%		0.00%		0.00%		0.00%		0.00%		0.00%	
ADMINISTRATIVE 1	\$14.56	9.52%	\$1.39	0.00%		0.00%		0.00%		0.00%		0.00%	
AVERAGE PAYROLL RATE		100.00%	\$31.62	100.00%	\$34.81	100.00%	\$39.21	0.00%	\$0.00	0.00%	\$0.00	100.00%	\$53.19

DIRECT EXPENSES - PART A					
EXPENSE	QUANTITY				Total
	CLASSIFICATION	UNIT PRICE	UNIT	ESTIMATED QUANTITY	
PART A - TASK 1K					
MIOVISION	TRAFFIC COUNTS	\$90.00	HR	12	\$1,080.00
DELIVERY SERVICE	DIRECT COST				
	County Submittals	\$90.00	Each	2	\$180.00
TOTAL					\$1,260.00



June 2, 2016

Mr. Will Dolan, P.E.
Senior Project Manager
Robinson Engineering, Ltd.
17000 South Park Avenue
South Holland, Illinois 60473

Subject: Proposal for Preliminary Environmental Site Assessment (PESA)
Proposed Roadway Reconstruction
175th Street (Oak Park Avenue to Ridgeland Avenue)
and Ridgeland Avenue (175th Street to Oak Forest Avenue)
Tinley Park, Cook County, Illinois 60477
GEOCON Proposal No. 16-P196

Dear Mr. Dolan:

GEOCON Professional Services, LLC (GEOCON) is pleased to submit this proposal for the performance of a Preliminary Environmental Site Assessment (PESA) for the above referenced project. Our present understanding of the site conditions and the services to be provided for this PESA are included in the following paragraphs.

Project Understanding

The project area is approximately 1.16 miles in total length along 175th Street and Ridgeland Avenue located within Tinley Park, Cook County, Illinois. More specifically, the project area starts at 175th Street and Oak Park Avenue and extends along 175th Street to just past Ridgeland Avenue. The project area continues along Ridgeland Avenue north to Oak Forest Avenue. The project area continues east along Oak Forest Avenue for approximately 934 feet. This entire area, as defined on the Exhibit 1 Location Map provided by REL, is considered the project area or site for purposes of this proposal and assessment. It is our understanding the roadways will be reconstructed and this construction project will include subsurface sewer and water line utility work.

Scope of Work

The scope of services proposed for the PESA on the subject property will be performed in accordance with *A Manual for Conducting Preliminary Environmental Site Assessments for Illinois Department of Transportation Highway Projects* (Illinois State Geological Survey Open File Series, Section Edition 2012-1 document). The intent of this PESA is to identify recognized environmental conditions and potential natural or man-made hazards that may be present within the project area.

The PESA will include the following:

- Visual walk-through survey of the property area, to establish the general appearance of the site at the time of the PESA, and to look for structures with suspect asbestos containing building materials, underground and above ground storage tanks, chemical drums, transformers, ponds or lagoons, disposal areas, distressed vegetation, or other overt signs of potentially hazardous materials.

- A description of the site topography, including obvious fill areas, apparent site drainage conditions and existing waterways.
- Conducting interviews with property owners, if deemed necessary, based on the historical information gathered for each parcel of land inclusive to the site.
- A review of various local, tribal, state and federal regulatory agency listings and files for known or potential environmental concerns on the subject site or adjacent properties. GEOCON will obtain a database report from EDR of regulated facilities that will include the governmental databases outlined in the ISGS PESA Manual.
- A review of readily available historical source documents that may include aerial photographs, plat maps, Sanborn Fire Insurance Maps, property tax files, USGS topographic maps, historical topographic maps, wetland maps, soil surveys, geologic and hydrogeologic maps and publications, local street directories, coal-mining maps, building department records, fire department records and/or local zoning/land use records. The records review is limited to information that is reasonably ascertainable, practically reviewable and likely to be useful.

The scope of work for this PESA does not include a subsurface investigation or any of the following items: any physical sampling, volatile organic screening or analytical testing of soil, groundwater or drinking water; asbestos-containing building materials sampling and testing, radon survey or testing, lead-based paint survey or testing, wetland delineation, regulatory compliance of the facilities, electromagnetic field surveys, magnetometer surveys, ground-penetrating radar surveys, ecological resources, indoor air quality, biological agents, mold, controlled substance search and other business environmental risk items.

It must be recognized that the PESA will not necessarily reveal the presence of concealed disposal areas, unknown former tanks, undocumented tanks, existing USTs (in the lack of visible aboveground components), or other unknown potential concerns, unless they appear in the public record of documents reviewed within the scope of work, or are disclosed by the parties contacted.

A PESA report will be prepared by an experienced environmental professional. The report will be prepared in accordance with the format outlined in the ISGS PESA Manual. The report will include the environmental professional's opinion of the impact on the property of the recognized environmental conditions and whether additional research is needed. The report will include a risk hazard rating for the site as defined in the ISGS PESA Manual. The PESA report will include recommendations for a subsurface investigation, such as a Preliminary Site Investigation, or other actions as may be warranted.

The client acknowledges that the effectiveness of the PESA report is predicated upon complete and truthful disclosure by client, property owners, and other knowledgeable parties to GEOCON of all appropriate inquiry information regarding site history, utilization, and potential concerns.

FEES AND CONDITIONS

GEOCON will perform the services described pursuant to the Environmental General Conditions enclosed herein and considered a portion of this proposed agreement. The fee for the performance of the PESA will be **\$10,720.00**.

AUTHORIZATION

GEOCON will proceed with the above-described work upon receipt of a signed acceptance copy of this proposal. Please be advised that return of only the signature page will indicate acceptance of the entire proposal document, including the attached general conditions, and a written report will only be issued following our receipt of a signed copy of this proposal. A portable document format (pdf) of the PESA Report will be provided to the client electronic mail.

We appreciate this opportunity to offer our services. If you have any questions concerning this proposal or if additional information is needed, please feel free to contact us. We look forward to working with you on this project.

Sincerely,
GEOCON Professional Services, LLC



Erin E. Curley
Environmental Department Manager

Attachments: Estimate Worksheet
Environmental General Conditions

ACCEPTANCE OF PROPOSAL AND ENCLOSURES

FIRM: _____

SIGNATURE: _____

NAME (PRINT): _____

TITLE: _____

DATE: _____



ESTIMATE WORKSHEET

Client: REL
Project: Roadway Reconstruction
Location: 175th Street (Oak Park Ave. to Ridgeland Ave.)
and Ridgeland Ave. (175th St. to Oak Forest Ave.)
Tinley Park, IL

GEOCON Proposal No.: 16-P196

Date: June 2, 2016

	<u>Quantity</u>	<u>Unit Fee</u>	<u>Total</u>
I. PESA			
1. Site Visit by Senior Project Manager	4 Hours	\$145.00	\$580.00
2. Research by Senior Project Manager	9 Hours	\$145.00	\$1,305.00
3. Purchase of State & Federal Database, Historical Aerials and Sanborn Fire Insurance Maps	3 Lump Sum	\$500.00	\$1,500.00
4. Senior Project Manager to prepare Report	45 Hours	\$145.00	\$6,525.00
5. CAD/GIS Operator to prepare report figures	7 Hours	\$85.00	\$595.00
6. Senior Project Engineer for report review	1 Hour	\$160.00	\$160.00
7. Administrative Assistant for preparation of photolog	1 Hour	\$55.00	<u>\$55.00</u>

TOTAL PESA PROJECT COST ESTIMATE: \$10,720.00

GENERAL CONDITIONS GEOCON PROFESSIONAL SERVICES, LLC Environmental Services

Item 1. Scope of Work. Geocon Professional Services, LLC (Geocon) shall perform services in accordance with an "agreement" made with the "client". The agreement consists of Geocon's proposal, Standard Fee Schedule, and these General Conditions. The "client" is defined as the person or entity requesting and/or authorizing the work, and in doing so, client represents and warrants that he is duly authorized in this role, even if performed on behalf of another party or entity, in which case the other party or entity is also considered as the client. The acceptance of Geocon's proposal signifies the acceptance of the terms of this agreement.

The fees for services rendered will be billed in accordance with the Standard Fee Schedule; unit rates for services not covered in the fee schedule or elsewhere in the agreement can be provided. The standard prices proposed for the work are predicated upon the client's acceptance of the conditions and allocations of risks and obligations described in the agreement. The client shall impart the terms of this agreement to any third party to whom client releases any part of Geocon's work. Geocon shall have no obligations to any party other than those expressed in this agreement.

Item 2. Site Access. The client will provide for the right of access to the work site. In the event the work site is not owned by the client, client represents to Geocon that all necessary permissions for Geocon to enter the site and conduct the work have been obtained. While Geocon shall exercise reasonable care to minimize damage to the property, the client understands that some damage may occur during the normal course of work, that Geocon has not included in its fee the cost of restoration of damage, and that client will pay for such restoration costs.

Item 3. Utilities. In the performance of its work, Geocon will take all reasonable precautions to avoid damage to underground structures or utilities, and will rely on utility locator services to correctly identify their buried service lines, and on plans, drawings or sketches made available and provided by the client. The client agrees to hold Geocon harmless and indemnify Geocon from any claims, expenses, or other liabilities, including reasonable attorney fees, incurred by Geocon for any damages to underground structures and utilities which were not correctly and clearly shown on the plans provided to Geocon or otherwise disclosed by the client or utility locator service. Geocon will be responsible for ordering the utility locator services only if expressly set forth in the scope of the proposal.

Item 4. Hazardous Materials and Conditions. Geocon's work shall include visual observation, laboratory analysis, and physical testing of subsurface water and soil samples obtained by intrusive sampling of the subsurface, for the purpose of detection, quantification, or identification of hazardous substances or constituents present, if any, within the defined scope of its services. As such, Geocon does not create, generate, transport or at any time own or store hazardous materials in the performance of its work. The client will take possession of and be responsible for the proper disposal of all hazardous materials including, but not limited to samples, drilling fluids and cuttings, decontamination and well development fluids, and used disposable protective gear and equipment.

Prior to the start of services, or at the earliest time such information is learned, it shall be the duty of the client, or other involved or contacted parties, to advise Geocon of any known or suspected undocumented fills, hazardous materials, by-products, or constituents, and any known environmental, geologic, and geotechnical conditions, which exist on or near any premises upon which work is to be performed by Geocon employees or subcontractors or which in any other way may be pertinent to Geocon's proposed services.

Geocon shall hold confidential the business and technical information obtained or generated in performance of services under this agreement and identified in writing by the client as "confidential". Geocon shall not disclose such information except if such disclosure is required by governmental statute, ordinance, or regulation; for compliance with professional standards of conduct for public safety, health, and welfare concerns; or for protection of Geocon against claims or liabilities arising from performance of its services.

Item 5. Unanticipated Hazardous Materials. The discovery of unanticipated hazardous materials, or suspected hazardous materials, may require that special and immediate measures be exercised to protect the health and safety of Geocon site personnel and/or the public. Geocon may at its option and on the basis of its judgement and opinion, exercise such precautions to complete the project, or terminate further work on the project. In either case, the client will be notified as soon as practically possible, and the client agrees to bear all reasonable and equitable cost adjustments, if any, associated with such measures taken.

Item 6. Standard of Care. Geocon will perform the services under this agreement in accordance with generally accepted practice, in a manner consistent with the level of care and skill ordinarily exercised by members of this profession under similar circumstances. No other warranties implied or expressed, in fact or by law, are made or intended in this agreement. The client recognizes that subsurface soil and groundwater conditions can vary between sampling points and with time, and that the interpretation of data, and opinions and recommendations made by Geocon are based solely on obtained data. Such limitations can result in a redirection of conclusions and interpretations where new or changed information is

obtained. In this regard, Geocon makes no representations or guarantees that the points selected for sampling are in any way representative of the entire site.

Item 7. Technical Methodology and Protocol. The field of environmental engineering, and associated technologies, guidelines, regulations, and practices are in a constant mode of change and development. Variations and inconsistencies exist amongst the guidelines, regulations, and standards of various governmental agencies and other recognized authorities; this necessitates that judgment be applied in the election of methods and

procedures implemented in the performance of work in this field. Geocon will select generally accepted methods and procedures it considers appropriate to accomplish the intended and understood purpose of its services within the scope of this agreement, and the client signifies concurrence with these methods and procedures by acceptance of this agreement. In the event other methods or procedures are preferred by the client or considered more appropriate, a written description or designation of these must be provided prior to execution of this agreement.

Geocon will utilize the services of a subcontracted analytical laboratory for related testing, and possibly other types of subcontractor services, as necessary to complete the project. Geocon will strive to select a subcontractor which is generally accepted and recognized in their respective industry, but shall assume no responsibility for claims or losses arising from the negligence or errors and omissions of the selected entity. The client may specify a laboratory or other subcontractor of client's choice for the required services by providing such written instructions to Geocon at any time prior to performance of work, subject to acceptance of any increased costs which may result from such selection.

Item 8. Limitations of Liability. The client agrees to limit Geocon's liability to the client and all parties claiming through the client or otherwise claiming reliance on Geocon's services, allegedly arising from Geocon's professional acts or errors and omissions, to a sum not to exceed Geocon's fees for the services performed on the project, provided that such claims are not attributable to Geocon's gross negligence or intentional misconduct. In this latter event, the limit of liability will be increased to \$25,000 less any applicable insurance amount covering alleged damages or claims. In no event shall Geocon or any other party to this agreement, including parties which may have or claim to have a direct or indirect reliance on Geocon's services, be liable to the other parties for incidental, indirect, or consequential damages arising from any cause.

Item 9. Insurance and Indemnity. Geocon represents that the company maintains general liability and property damage insurance coverage considered adequate and comparable with coverage maintained by other similar firms, and that Geocon's employees are covered by Workman's Compensation Insurance. Certificates of insurance can be provided to the client upon written request. Geocon shall not be responsible for any loss, damage, or liability beyond the insurance limits and conditions. Geocon agrees to indemnify the client from and save client harmless against any loss, damage, or liability stemming from acts of gross negligence by Geocon. Except as expressly set forth in Item No. 8 and 9, the client agrees to hold Geocon, its officers, directors, agents, and employees, harmless from any claims, suits or liability including, but not limited to, attorney fees, costs of settlement, and other incidental costs, for personal injury, death, illness, property damage or any other loss, allegedly arising from or related to Geocon's performance of work. These property value losses, claimed losses related to or stemming from inability of client to obtain financing or delays in obtaining such, failure to discover or properly categorize hazardous materials due to work scope limitations, claims of owners or operators of nearby properties, or failure of any Federal, state or other governmental jurisdiction or agency to approve or accept the procedures or recommendations submitted by Geocon.

Item 10. Modifications. This agreement and all attachments pursuant to this agreement represents the entire understanding between the parties, and neither the client, nor Geocon, may amend or modify any aspect of this contract unless such alterations are reduced to writing and properly executed by the parties hereto. These terms and conditions shall supersede all prior or contemporaneous communications, representations, or agreements, and any provisions expressed or implied in the request for proposal, purchase order, authorization to proceed, or other contradictory provisions, whether written or oral.

Item 11. Payment. Invoices for performed work will be submitted monthly for services rendered the prior month, payable within 30 days of invoice date. The fees quoted are based upon an expected timely payment. An interest charge of 1.5% per month will be added to delinquent charges; however, Geocon at its option, may terminate its services due to clients failure to pay when due. In the event of termination of services prior to completion, client shall compensate Geocon for all services performed prior to and for such termination.

Route: Oak Forest Avenue - Ridgeland Ave. to 167th St.
 Local Agency Village of Tinley Park
 Section: 08-B8526-03-RS
 Project:
 Job No.:

Overhead + Burden Rate 167.64%
 Complexity Factor 0.00
 Calendar Days 500
 Overhead + Burden Rate 167.64%

Method of Compensation:
 Cost Plus Fixed Fee 1 ☒ 14.5%[DL +R(DL) + OH(DL) + IHDC]
 Cost Plus Fixed Fee 2 ☐ 14.5%[DL +R(DL) + 1.4(DL) + IHDC]
 Cost Plus Fixed Fee 3 ☐ 14.5%[(2.3 + R)DL + IHDC]
 Direct Labor Multiple ☐ [(2.8 + R)DL] + IHDC
 Specific Rate ☐
 Lump Sum ☐

**PART B TASK 2
SUPPLEMENT 1**

Cost Estimate of Consultant's Services in Dollars

TASK	Element of Work	Man-hours	Payroll Rate	Payroll Costs	Overhead & Burden	Service By Others	In-House Direct Cost	Fixed Fee	Total	% of Grand Total
	PART B ENGINEERING SERVICES									
2A	General Administration	192	\$46.12	\$8,855	\$14,844			\$3,436.31	\$27,135	6.72%
2B	Field Services	132	\$29.99	\$3,959	\$6,637			\$1,536.35	\$12,132	3.01%
2C	Right of Way	20	\$31.20	\$624	\$1,046			\$242.16	\$1,912	0.47%
2D	Public Involvement	268	\$35.09	\$9,403	\$15,763			\$3,649.02	\$28,815	7.14%
2E	Plans, Specifications & Estimate	2,178	\$34.07	\$74,214	\$124,412			\$28,800.66	\$227,426	56.35%
2F	QC/QA	68	\$45.03	\$3,062	\$5,134			\$1,188.43	\$9,385	2.33%
2H	Geocon - 1					\$25,000			\$25,000	6.19%
	Geocon - 2					\$2,973			\$2,973	0.74%
2I	Direct Costs						\$854		\$854	0.21%
3	ROW Plans & Legals	402	\$31.72	\$12,753	\$21,379			\$4,949.08	\$39,081	9.68%
3A	Direct Costs						\$28,885		\$28,885	7.16%
	Totals	3,328	\$34.95	\$ 116,306	\$ 194,975	\$ 27,973	\$29,739	\$ 43,802	\$ 403,596	100.00%

ASSUMPTIONS:
 1) Services by Others = Geocon - PSI
 2) Services by Others = Geocon - CCDD Testing



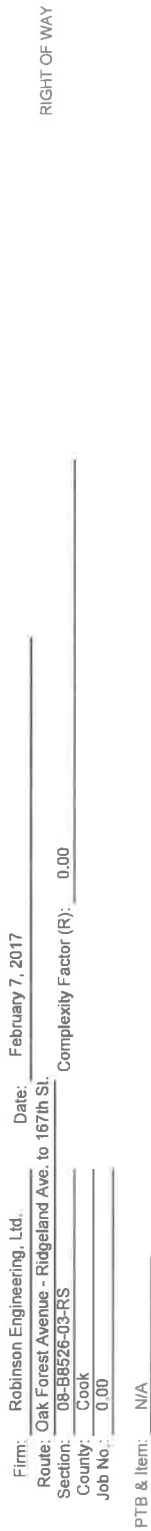
Firm:	Robinson Engineering, Ltd.	Date:	February 7, 2017
Route:	Oak Forest Avenue - Ridgeland Ave. to 167th St.	Complexity Factor (R):	0.00
Section:	08-B8526-03-RS		
County:	Cook		
Job No.:	0.00		
PTB & Item:	N/A		

Description of Work	Man Hours															Total
	PE 2	SPM 2	SPM 1	SR	ENGR 2	PROJ ENGR 2	PROJ ENGR 1	CHIEF LS	LS 3	CAD MGR	CAD TECH 2	GIS DEV	FLD SUPT	CREW CHIEF	ADMIN 1	
Task No. 2A																
General Administration																0.0
																0.0
General Administration	8.0	16.0	40.0	4.0	8.0	8.0		4.0	8.0	16.0			8.0			112.0
Meetings with County/Village	16.0	16.0	16.0	8.0	16.0	8.0										80.0
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Firm:	Robinson Engineering, Ltd.	Date:	February 7, 2017
Route:	Oak Forest Avenue - Ridgeland Ave. to 167th St.	Complexity Factor (R):	0.00
Section:	08-BB526-03-RS		
County:	Cook		
Job No.:	0.00		
PTB & Item:	N/A		

Description of Work	Man Hours															
	PE-2	SPM-2	SPM-1	SR	ENGR 2	PROJ ENGR 2	PROJ ENGR 1	CHIEF LS	LS-3	CAD MGR	CAD TECH-2	GIS DEV	FLD SUPT	CREW CHIEF	ADMIN-1	Total
Task No. 2B																
Field Services																
Utility Coordination			8.0			16.0	40.0				40.0	8.0	4.0	16.0		132.0
																0.0
																0.0
																0.0
																0.0
																0.0
																0.0
																0.0
																0.0
TOTAL HOURS (INDIVIDUAL DISCIPLINE)	0.0	0.0	8.0	0.0	0.0	16.0	40.0	0.0	0.0	0.0	40.0	8.0	4.0	16.0	0.0	
TOTAL HOURS (ALL DISCIPLINES)	132.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0
PERCENTAGE FIELD SURVEY	0.00%	0.00%	6.06%	0.00%	0.00%	12.12%	30.30%	0.00%	0.00%	0.00%	30.30%	6.06%	3.03%	12.12%	0.00%	
	PRINCIPAL ENGINEER-2	SENIOR PROJECT MANAGER-2	SENIOR PROJECT MANAGER-1	SENIOR ENGINEER-2	PROJECT ENGINEER-2	PROJECT ENGINEER-1	CHIEF LAND SURVEYOR	LAND SURVEYOR-3	CAD MANAGER	CAD TECHNOLOGIST-2	GIS DEVELOPER	FIELD SUPERINTENDENT	FIELD CREW CHIEF	ADMINISTRATIVE-1		





PUBLIC INVOLVEMENT

Date: _____

Complexity Factor (R): 0.00

Approximate %	Color
100%	White
90%	Light Yellow
80%	Yellow
70%	Orange
60%	Red
50%	Dark Red
40%	Brown
30%	Black
20%	Dark Grey
10%	Light Grey
0%	White

N/A

Description of Work	Man Hours															
	PE 2	SPM 2	SPM 1	SR	ENGR	PROJ ENGR 2	PROJ ENGR 1	CHIEF LS	LS 3	CAD MGR	CAD TECH 2	GIS DEV	FLD SUPT	CREW CHIEF	ADMIN 1	Total
Task No. 2D																
Public Involvement																
Public Meeting/Board Meetings	16.0	16.0	16.0				16.0	8.0								72.0
Exhibits			8.0	8.0			24.0	8.0		16.0	32.0				8.0	104.0
Notification, mailings, minutes							8.0	4.0							16.0	28.0
Utility Coordination			16.0				8.0	40.0								64.0
																0.0
																0.0
																0.0
																0.0
																0.0
																0.0
																0.0
																0.0
TOTAL HOURS (INDIVIDUAL DISCIPLINE)	16.0	16.0	40.0	8.0			56.0	60.0	0.0	16.0	32.0	0.0	0.0	0.0	24.0	268.0
TOTAL HOURS (ALL DISCIPLINES)	268.0	268.0	268.0	268.0	268.0	268.0	268.0	268.0	268.0	268.0	268.0	268.0	268.0	268.0	268.0	268.0
PERCENTAGE QUANTITIES	5.97%	5.97%	14.93%	2.99%	20.90%	22.39%	0.00%	0.00%	5.97%	11.94%	0.00%	0.00%	0.00%	0.00%	8.96%	



PLANS, SPECIFICATIONS & ESTIMATE

Firm: Robinson Engineering, Ltd. Date: February 7, 2017

Route: Oak Forest Avenue - Ridgeland Ave. to 167th St.

Section: 08-BB526-03-RS Complexity Factor (R): 0.00

County: Cook

Job No.: 0.00

PTB & Item: N/A

Description of Work	Man Hours															Total
	PE 2	SPM 2	SPM 1	SR	ENGR	PROJ ENGR	PROJ ENGR	CHIEF LS	LS 3	CAD MGR	CAD TECH 2	GIS DEV	FLD SUPT	CREW CHIEF	ADMIN 1	
Task No. 2E																
Plans, Specifications & Estimate																
Preliminary P, S & E Submittal																
Cover, Summ. of Quan., Gen.Notes.																
Typical Sections				4.0			16.0	8.0			12.0	16.0				56.0
Detour Route				4.0			24.0	16.0			10.0	14.0				68.0
				4.0			16.0	8.0			10.0	14.0				52.0
Construction Staging		4.0	16.0	40.0	40.0	40.0	40.0	40.0		24.0	36.0					160.0
Plan & Profile		4.0	16.0	64.0	64.0	24.0				52.0	76.0					236.0
Intersection Details				8.0		24.0				12.0	20.0					64.0
Drainage & Utilities		4.0	24.0	16.0		80.0	24.0			48.0	76.0					272.0
Landscaping & Erosion Control						16.0	16.0			6.0	10.0					48.0
Pavement Marking & Signing		2.0			40.0	16.0	16.0			10.0	14.0					58.0
Street Lighting										22.0	34.0					96.0
Traffic Signals					40.0					16.0	24.0					80.0
Cross Sections			24.0			80.0	40.0			48.0	72.0					264.0
Quantities & Cost Estimates		4.0	16.0	8.0		40.0	24.0									92.0
Specifications		4.0	16.0	8.0	24.0	24.0										76.0
90% P,S & E Submittal		6.0	36.0	24.0	96.0	48.0				54.0	80.0					344.0
100% P,S & E Submittal		2.0	16.0	9.0	24.0	12.0				14.0	20.0					96.0
Construction Services																0.0
ROW Acquisition Coordination		8.0	24.0			24.0										56.0
Permitting						8.0										8.0
Shop Drawing Reviews				8.0		8.0										24.0
Bi-Weekly Coordination Meetings		4.0	12.0			12.0										28.0
TOTAL HOURS (INDIVIDUAL DISCIPLINE)	0.0	42.0	228.0	144.0	612.0	308.0	0.0	0.0	0.0	338.0	506.0	0.0	0.0	0.0	0.0	2178.0
TOTAL HOURS (ALL DISCIPLINES)	2178.0	2178.0	2178.0	2178.0	2178.0	2178.0	2178.0	2178.0	2178.0	2178.0	2178.0	2178.0	2178.0	2178.0	2178.0	2178.0
PERCENTAGE QUANTITIES	0.00%	1.93%	10.47%	6.61%	28.10%	14.14%	0.00%	0.00%	0.00%	15.52%	23.23%	0.00%	0.00%	0.00%	0.00%	0.00%
	PRINCIPAL ENGINEER 2	SENIOR PROJECT MANAGER 2	SENIOR PROJECT MANAGER 1	SENIOR ENGINEER 2	PROJECT 2	PROJECT 1	CHIEF LAND SURVEYOR	LAND SURVEYOR 3	CAD MANAGER	CAD TECHNOLOGIST 2	GIS DEVELOPER	FIELD SUPERINTENDENT	FIELD CREW CHIEF	ADMINISTRATIVE 1		



PTB & Item: N/A

Description of Work	Man Hours															Total
	PE 2	SPW 2	SPM 1	SR	ENGR 2	PROJ ENGR 2	PROJ ENGR 1	CHEF LS	LS 3	CAD MGR	CAD TECH 2	GIS DEV	FLD Supt	CREW CHIEF	ADMIN 1	
Task No. 3																
ROW Plats & Legals																
Field Topography																
- Section and Sub Monumentation											40.0					
- Assessor's Topography										2.0	40.0			56.0		
Existing ROW Analysis									40.0	2.0	56.0			64.0		
Calculations															40.0	
Plat of Highways								16.0			48.0				0.0	
Legal Descriptions									24.0							
Title Commitments Review														8.0		
Monument Records								16.0	4.0	2.0	16.0					
Resubmittals															0.0	
															0.0	
															0.0	
															0.0	
															0.0	
															0.0	
TOTAL HOURS (INDIVIDUAL DISCIPLINE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	84.0	6.0	168.0	0.0	0.0	128.0	0.0	
TOTAL HOURS (ALL DISCIPLINES)	402.0	402.0	402.0	402.0	402.0	402.0	402.0	402.0	402.0	402.0	402.0	402.0	402.0	402.0	402.0	402.0
PERCENTAGE QUANTITIES	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	3.98%	20.90%	1.49%	41.79%	0.00%	0.00%	31.84%	0.00%	
	PRINCIPAL ENGINEER 2	SENIOR PROJECT MANAGER 2	SENIOR PROJECT MANAGER 1	SENIOR ENGINEER 2	PROJECT 2 ENGINEER	PROJECT 2 ENGINEER	PROJECT 1 ENGINEER	CHIEF LAND SURVEYOR	CAD SURVEYOR 3	CAD MANAGER	CAD TECHNOLOGIST 2	GIS DEVELOPER	FIELD SUPERINTENDENT	FIELD CREW CHIEF	ADMINISTRATIVE 1	



PART B
SUPPLEMENT 1

[illegible]

**EXHIBIT F
AVERAGE HOURLY WORK RATES**

Firm Robinson Engineering, Ltd. Date February 7, 2017
 Route Oak Forest Avenue - Ridgeland Ave. to 167th St.
 Section 08-B8526-03-RS Complexity Factor (R) 0.00
 County Cook
 Job No. _____

PTB & Item: N/A

JOB CLASSIFICATION	SALARY	General Administration			Field Services			Intersection Design Study			Draft Project Report			Traffic Study			Right of Way		
		% Part	Wgt. Rate		% Part	Wgt. Rate		% Part	Wgt. Rate		% Part	Wgt. Rate		% Part	Wgt. Rate		% Part	Wgt. Rate	
PRINCIPAL ENGINEER 2	\$69.15	12.50%	\$8.64	0.00%	0.00%			0.00%			0.00%			0.00%			0.00%		
SENIOR PROJECT MANAGER 2	\$53.25	16.67%	\$8.88	0.00%	0.00%			0.00%			0.00%			0.00%			0.00%		
SENIOR PROJECT MANAGER 1	\$45.16	29.17%	\$13.17	6.06%	6.06%	\$2.74		0.00%			0.00%			0.00%			0.00%		
SENIOR ENGINEER 2	\$43.65	6.25%	\$2.73	0.00%	0.00%			0.00%			0.00%			0.00%			0.00%		
PROJECT ENGINEER 2	\$33.52	12.50%	\$4.19	12.12%	12.12%	\$4.06		0.00%			0.00%			0.00%			0.00%		
PROJECT ENGINEER 1	\$26.28	4.17%	\$1.10	30.30%	30.30%	\$7.96		0.00%			0.00%			0.00%			0.00%		
CHIEF LAND SURVEYOR	\$41.70	2.08%	\$0.87	0.00%	0.00%			0.00%			0.00%			0.00%			0.00%		
LAND SURVEYOR 3	\$39.40	4.17%	\$1.64	0.00%	0.00%			0.00%			0.00%			0.00%			20.00%	\$7.88	
CAD MANAGER	\$38.80	8.33%	\$3.23	0.00%	0.00%			0.00%			0.00%			0.00%			0.00%		
CAD TECHNOLOGIST 2	\$27.02	0.00%		30.30%	30.30%	\$8.19		0.00%			0.00%			0.00%			40.00%	\$10.81	
GIS DEVELOPER	\$33.55	0.00%		6.06%	6.06%	\$2.03		0.00%			0.00%			0.00%			0.00%		
FIELD SUPERINTENDENT	\$40.10	4.17%	\$1.67	3.03%	3.03%	\$1.22		0.00%			0.00%			0.00%			0.00%		
FIELD CREW CHIEF	\$31.26	0.00%		12.12%	12.12%	\$3.79		0.00%			0.00%			0.00%			40.00%	\$12.51	
ADMINISTRATIVE 1	\$14.56	0.00%		0.00%	0.00%			0.00%			0.00%			0.00%			0.00%		
AVERAGE PAYROLL RATE		100.00%	\$46.12	100.00%	100.00%	\$29.99		0.00%	\$0.00		0.00%	\$0.00		0.00%	\$0.00		100.00%	\$31.20	

	SALARY	Public Involvement			Final Project Report			Drainage Study			ROW Plans & Legals			Plans, Specifications & Estimate			QC/QA		
		% Part	Wgt. Rate		% Part	Wgt. Rate		% Part	Wgt. Rate		% Part	Wgt. Rate		% Part	Wgt. Rate		% Part	Wgt. Rate	
PRINCIPAL ENGINEER 2	\$69.15	5.97%	\$4.13	0.00%	0.00%			0.00%			0.00%			0.00%			5.88%	\$4.07	
SENIOR PROJECT MANAGER 2	\$53.25	5.97%	\$3.18	0.00%	0.00%			0.00%			0.00%			1.93%	\$1.03		11.76%	\$6.26	
SENIOR PROJECT MANAGER 1	\$45.16	14.93%	\$6.74	0.00%	0.00%			0.00%			0.00%			10.47%	\$4.73		23.53%	\$10.63	
SENIOR ENGINEER 2	\$43.65	2.99%	\$1.30	0.00%	0.00%			0.00%			0.00%			6.61%	\$2.89		11.76%	\$5.14	
PROJECT ENGINEER 2	\$33.52	20.90%	\$7.00	0.00%	0.00%			0.00%			0.00%			28.10%	\$9.42		0.00%		
PROJECT ENGINEER 1	\$26.28	22.39%	\$5.86	0.00%	0.00%			0.00%			0.00%			14.14%	\$3.72		0.00%		
CHIEF LAND SURVEYOR	\$41.70	0.00%		0.00%	0.00%			0.00%			3.98%	\$1.66		0.00%			23.53%	\$9.81	
LAND SURVEYOR 3	\$39.40	0.00%		0.00%	0.00%			0.00%			20.90%	\$8.23		0.00%			0.00%		
CAD MANAGER	\$38.80	5.97%	\$2.32	0.00%	0.00%			0.00%			1.49%	\$0.58		15.52%	\$6.02		23.53%	\$9.13	
CAD TECHNOLOGIST 2	\$27.02	11.94%	\$3.23	0.00%	0.00%			0.00%			41.79%	\$11.29		23.23%	\$6.28		0.00%		
GIS DEVELOPER	\$33.55	0.00%		0.00%	0.00%			0.00%			0.00%			0.00%			0.00%		
FIELD SUPERINTENDENT	\$40.10	0.00%		0.00%	0.00%			0.00%			0.00%			0.00%			0.00%		
FIELD CREW CHIEF	\$31.26	0.00%		0.00%	0.00%			0.00%			31.84%	\$9.96		0.00%			0.00%		
ADMINISTRATIVE 1	\$14.56	8.96%	\$1.30	0.00%	0.00%			0.00%			0.00%			0.00%			0.00%		
AVERAGE PAYROLL RATE		100.00%	\$35.09	0.00%	0.00%	\$0.00		0.00%	\$0.00		100.00%	\$31.72		100.00%	\$34.07		100.00%	\$45.03	

DIRECT EXPENSES - PART B					
EXPENSE	QUANTITY				Total
	CLASSIFICATION	UNIT PRICE	UNIT	ESTIMATED QUANTITY	
PART B. TASK NO. 2I					
DELIVERY SERVICE	DIRECT COST				
	County Submittals	\$90.00	Each	3	\$270.00
PLANS	DIRECT COST				
	2 Sets - 140(22"X34")	\$0.95	Sheet	280	\$266.00
	40 Sets - 140(11"X17")	\$0.04	Sheet	5600	\$224.00
EXHIBITS	DIRECT COST				
	Exhibit - (22"X34")	\$11.75	Each	8	\$94.00
				SUBTOTAL	\$854.00
PART B. TASK NO. 3A					
RECORDED SUBDIVISION PLATS	PLATS	\$35.00	EACH	11	\$385.00
TITLES	TITLE COMMITMENT	\$500.00	EACH	57	\$28,500.00
				SUBTOTAL	\$28,885.00
				TOTAL	\$29,739.00



June 23, 2016

Mr. William P. Dolan, P.E.
Robinson Engineering, Ltd.
17000 South Park Avenue
South Holland, Illinois 60473

RE: Preliminary Site Investigation (PSI) proposal
Proposed Roadway Reconstruction
175th Street (Oak Park Avenue to Ridgeland Avenue)
and Ridgeland Avenue (175th Street to Oak Forest Avenue)
Tinley Park, Cook County, Illinois 60477
GEOCON Proposal No. 16-P197revised

Dear Mr. Dolan:

GEOCON Professional Services, LLC (GEOCON) has prepared this revised proposal for a Preliminary Site Investigation (PSI) for the roadway reconstruction project along 175th Street and Ridgeland Avenue in Tinley Park, Illinois (site).

PROJECT UNDERSTANDING

The roadway reconstruction project will be along 175th Street and Ridgeland Avenue. The project will include subsurface utility work that may include excavation to a depth of 10 feet or more. As of the date of this proposal a Preliminary Environmental Site Assessment (PESA) has not been completed of the project area.

Based on aerial review of the project area and GEOCON's knowledge of the properties in the project area, two properties maybe considered to have recognized environmental conditions (RECs). There is a former gas station at the southeast corner of 175th Street and Oak Park Avenue. In addition, there is a large industrial facility, Panduit, located on the east side of Ridgeland. It is viewed likely that these two properties may be identified in a state and federal database during a PESA of the project area. Additional properties may be identified to have RECs upon completion of a PESA but it is not known as of the date of this proposal. Because a PESA has not yet been completed, GEOCON has assumed that several properties may require further evaluation under a PSI. The PSI scope of work outlined in this proposal will require modification upon completion of the PESA.

If the excess subsurface soil beneath the roadways that will be generated during construction is determined to be clean based on analytical testing of grab soil samples collected within the project area, the involved contractors intend to dispose of the soil at a Clean Construction and Demolition Debris (CCDD) facility. As of the date of this proposal, the Contractor has not been selected and the intended CCDD facility has not been determined. The analytical testing in this proposal will be acceptable at most CCDD facilities, however, some facilities require additional testing. Most CCDD facilities will accept analytical testing reports, provided the laboratory data is less than a year old.

SCOPE OF WORK

GEOCON will advance a total of eight soil borings within the project area with a truck mounted drill rig. The eight borings will be advanced in the right-of-way (ROW) adjacent to the properties identified to have RECs during the PESA. The borings will be advanced to a depth of seven feet below surface grade. The eight borings will be placed at the farthest distances from the roadways, in the adjacent grass or pavement ROWs, in order to minimize traffic congestion. The boring locations will be determined in the field upon identification of the subsurface utilities located in the ROWs and after the PESA has been completed that will identify the properties of concern.

A Project Engineer will collect eight grab soil samples one from each of the soil borings for analytical testing by an accredited laboratory on a standard five to seven day turnaround for the testing results. The testing parameters are listed on the attached estimate worksheet. The soil samples will be collected from the 0 to 7 foot depth interval using split spoon sampling techniques. All of the soil samples collected from the 0 to 7 foot depth interval from each boring will be screened with a Photoionization Detector (PID) and inspected by the Project Engineer for obvious evidence of contamination. If elevated PID readings or overt signs of contamination are observed to be present in the soil samples from the borings, those soil sample intervals (eight samples total) will be targeted for analytical testing.

The laboratory testing results will be compared to the IEPA Summary of Maximum Allowable Concentrations of Chemical Constituents in Uncontaminated Soil Used as Fill Material At Regulated Fill Operations (35 IAC 1100.Subpart F), (MAC) table dated August 27, 2012, in a tabular format, to determine if the material is contaminated or clean. The laboratory testing results will also be compared to the IEPA Tier 1 Remediation Objectives (ROs) outlined in 35 Illinois Administrative Code (IAC) 742 (Tiered Approach to Cleanup Objectives – TACO) regulation. If the material is clean, a Licensed Professional Engineer (L.P.E.) or Licensed Professional Geologist (L.P.G) will complete the IEPA Uncontaminated Soil Certification form (LPC-663).

A PSI report will be provided to the client within four weeks upon completing the site work. The report will include the investigation findings, estimates of contamination, if present, and the estimated construction management cost data for REL to include in the roadway construction specification for this project.

FEE PROPOSAL

The fee for the services will be **\$25,000.00**.

AUTHORIZATION

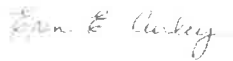
GEOCON will proceed with the work on the basis of authorization received from the client, which may be in the form of a copy of the proposal signed and returned to GEOCON.

Should you have any questions regarding this proposal, or if we could be of any other assistance, please feel free to call us at (815) 806-9986. We are looking forward to working with you on this project.

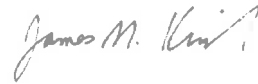
PSI proposal
Roadway Reconstruction
Tinley Park, Illinois
GEOCON Proposal No. 16-P197revised
Page 3

Sincerely,

GEOCON PROFESSIONAL SERVICES, LLC



Erin E. Curley
Environmental Department Manager



James M. Kurnik, P.E.
Branch Manager

Enclosure: Estimate Worksheet
 Environmental General Conditions

ACCEPTANCE OF PROPOSAL AND ENCLOSURES

FIRM NAME: _____

SIGNATURE: _____

PRINTED NAME: _____

TITLE: _____

DATE: _____



Site: Roadway Reconstruction
175th Street (Oak Park Ave. to Ridgeland Ave.) and
Ridgeland Ave. (175th St. to Oak Forest Ave.)
Tinley Park, IL

Date: June 23, 2016
GEOCON Proposal No. 16-P197revised

SUBSURFACE INVESTIGATION

ROW Investigation

	<u>Quantity</u>		<u>Unit Fee</u>	<u>Total</u>
Mobilization/demobilization of drill rig machine/personnel	1	Lump Sum	\$300.00	\$300.00
Split-spoon soil sampling at 2-foot intervals (includes operator and technician personnel)	1	Day	\$2,700.00	\$2,700.00
8 borings to 7' in ROW	1	Day	\$800.00	\$800.00
Certified flagger/Traffic control/Warning Signs/Arrow Board	1	Lump Sum	\$200.00	<u>\$200.00</u>
Drilling support vehicle and decontamination equipment				
Subtotal for Drilling Investigation:				\$4,000.00
TOTAL INVESTIGATION COSTS:				\$4,000.00

ANALYSIS COSTS

VOCs	8	Tests	\$180.00	\$1,440.00
SVOCs	8	Tests	\$300.00	\$2,400.00
Pesticides/PCBs	8	Tests	\$180.00	\$1,440.00
RCRA 8 Total Metals	8	Tests	\$126.00	\$1,008.00
RCRA 8 SPLP Metals	8	Tests	\$226.00	\$1,808.00
pH	8	Tests	\$24.00	\$192.00
Preserved vials for volatile sampling	8	Units	\$20.00	<u>\$160.00</u>
Subtotal for Testing:				\$8,448.00
TOTAL ANALYTICAL TESTING COSTS:				\$8,448.00

PERSONNEL COSTS

Site sampling during drilling by Project Engineer (includes JULIE locate, boring layout, site time, sampling, and transportation of samples to the laboratory)	22	Hours	\$120.00	<u>\$2,640.00</u>
Subtotal for Field Services:				\$2,640.00
Senior Project Engineer	60	Hours	\$145.00	\$8,700.00
Professional Engineer	3	Hour	\$160.00	\$480.00
GIS Operator to create boring location map	6	Hour	\$85.00	<u>\$510.00</u>
Subtotal for Preparation of Report:				\$9,690.00
TOTAL PERSONNEL COSTS:				\$12,330.00

EQUIPMENT & FIELD PURCHASE COSTS

Photoionization detector	1	Day	\$100.00	\$100.00
Soil sampling equipment	1	Day	\$22.00	\$22.00
Environmental support vehicle	1	Day	\$100.00	<u>\$100.00</u>
Subtotal for Equipment:				\$222.00
TOTAL EQUIPMENT/FIELD PURCHASE COSTS:				\$222.00
TOTAL BUDGET ESTIMATE:				\$25,000.00

GENERAL CONDITIONS GEOCON PROFESSIONAL SERVICES, LLC Environmental Services

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The fees for services rendered will be billed in accordance with the Standard Fee Schedule; unit rates for services not covered in the fee schedule or elsewhere in the agreement can be provided. The standard prices proposed for the work are predicated upon the client's acceptance of the conditions and allocations of risks and obligations described in the agreement. The client shall impart the terms of this agreement to any third party to whom client releases any part of Geocon's work. Geocon shall have no obligations to any party other than those expressed in this agreement.

Item 2. Site Access. The client will provide for the right of access to the work site. In the event the work site is not owned by the client, client represents to Geocon that all necessary permissions for Geocon to enter the site and conduct the work have been obtained. While Geocon shall exercise reasonable care to minimize damage to the property, the client understands that some damage may occur during the normal course of work, that Geocon has not included in its fee the cost of restoration of damage, and that client will pay for such restoration costs.

Item 3. Utilities. In the performance of its work, Geocon will take all reasonable precautions to avoid damage to underground structures or utilities, and will rely on utility locator services to correctly identify their buried service lines, and on plans, drawings or sketches made available and provided by the client. The client agrees to hold Geocon harmless and indemnify Geocon from any claims, expenses, or other liabilities, including reasonable attorney fees, incurred by Geocon for any damages to underground structures and utilities which were not correctly and clearly shown on the plans provided to Geocon or otherwise disclosed by the client or utility locator service. Geocon will be responsible for ordering the utility locator services only if expressly set forth in the scope of the proposal.

Item 4. Hazardous Materials and Conditions. Geocon's work shall include visual observation, laboratory analysis, and physical testing of subsurface water and soil samples obtained by intrusive sampling of the subsurface, for the purpose of detection, quantification, or identification of hazardous substances or constituents present, if any, within the defined scope of its services. As such, Geocon does not create, generate, transport or at any time own or store hazardous materials in the performance of its work. The client will take possession of and be responsible for the proper disposal of all hazardous materials including, but not limited to samples, drilling fluids and cuttings, decontamination and well development fluids, and used disposable protective gear and equipment.

Prior to the start of services, or at the earliest time such information is learned, it shall be the duty of the client, or other involved or contacted parties, to advise Geocon of any known or suspected undocumented fills, hazardous materials, by-products, or constituents, and any known environmental, geologic, and geotechnical conditions, which exist on or near any premises upon which work is to be performed by Geocon employees or subcontractors or which in any other way may be pertinent to Geocon's proposed services.

Geocon shall hold confidential the business and technical information obtained or generated in performance of services under this agreement and identified in writing by the client as "confidential". Geocon shall not disclose such information except if such disclosure is required by governmental statute, ordinance, or regulation; for compliance with professional standards of conduct for public safety, health, and welfare concerns; or for protection of Geocon against claims or liabilities arising from performance of its services.

Item 5. Unanticipated Hazardous Materials. The discovery of unanticipated hazardous materials, or suspected hazardous materials, may require that special and immediate measures be exercised to protect the health and safety of Geocon site personnel and/or the public. Geocon may at its option and on the basis of its judgement and opinion, exercise such precautions to complete the project, or terminate further work on the project. In either case, the client will be notified as soon as practically possible, and the client agrees to bear all reasonable and equitable cost adjustments, if any, associated with such measures taken.

Item 6. Standard of Care. Geocon will perform the services under this agreement in accordance with generally accepted practice, in a manner consistent with the level of care and skill ordinarily exercised by members of this profession under similar circumstances. No other warranties implied or expressed, in fact or by law, are made or intended in this agreement. The client recognizes that subsurface soil and groundwater conditions can vary between sampling points and with time, and that the interpretation of data, and opinions and recommendations made by Geocon are based solely on obtained data. Such limitations can result in a redirection of conclusions and interpretations where new or changed information is

obtained. In this regard, Geocon makes no representations or guarantees that the points selected for sampling are in any way representative of the entire site.

Item 7. Technical Methodology and Protocol. The field of environmental engineering, and associated technologies, guidelines, regulations, and practices are in a constant mode of change and development. Variations and inconsistencies exist amongst the guidelines, regulations, and standards of various governmental agencies and other recognized authorities; this necessitates that judgment be applied in the election of methods and

procedures implemented in the performance of work in this field. Geocon will select generally accepted methods and procedures it considers appropriate to accomplish the intended and understood purpose of its services within the scope of this agreement, and the client signifies concurrence with these methods and procedures by acceptance of this agreement. In the event other methods or procedures are preferred by the client or considered more appropriate, a written description or designation of these must be provided prior to execution of this agreement.

Geocon will utilize the services of a subcontracted analytical laboratory for related testing, and possibly other types of subcontractor services, as necessary to complete the project. Geocon will strive to select a subcontractor which is generally accepted and recognized in their respective industry, but shall assume no responsibility for claims or losses arising from the negligence or errors and omissions of the selected entity. The client may specify a laboratory or other subcontractor of client's choice for the required services by providing such written instructions to Geocon at any time prior to performance of work, subject to acceptance of any increased costs which may result from such selection.

Item 8. Limitations of Liability. The client agrees to limit Geocon's liability to the client and all parties claiming through the client or otherwise claiming reliance on Geocon's services, allegedly arising from Geocon's professional acts or errors and omissions, to a sum not to exceed Geocon's fees for the services performed on the project, provided that such claims are not attributable to Geocon's gross negligence or intentional misconduct. In this latter event, the limit of liability will be increased to \$25,000 less any applicable insurance amount covering alleged damages or claims. In no event shall Geocon or any other party to this agreement, including parties which may have or claim to have a direct or indirect reliance on Geocon's services, be liable to the other parties for incidental, indirect, or consequential damages arising from any cause.

Item 9. Insurance and Indemnity. Geocon represents that the company maintains general liability and property damage insurance coverage considered adequate and comparable with coverage maintained by other similar firms, and that Geocon's employees are covered by Workman's Compensation Insurance. Certificates of insurance can be provided to the client upon written request. Geocon shall not be responsible for any loss, damage, or liability beyond the insurance limits and conditions. Geocon agrees to indemnify the client from and save client harmless against any loss, damage, or liability stemming from acts of gross negligence by Geocon. Except as expressly set forth in Item No. 8 and 9, the client agrees to hold Geocon, its officers, directors, agents, and employees, harmless from any claims, suits or liability including, but not limited to, attorney fees, costs of settlement, and other incidental costs, for personal injury, death, illness, property damage or any other loss, allegedly arising from or related to Geocon's performance of work. These property value losses, claimed losses related to or stemming from inability of client to obtain financing or delays in obtaining such, failure to discover or properly categorize hazardous materials due to work scope limitations, claims of owners or operators of nearby properties, or failure of any Federal, state or other governmental jurisdiction or agency to approve or accept the procedures or recommendations submitted by Geocon.

Item 10. Modifications. This agreement and all attachments pursuant to this agreement represents the entire understanding between the parties, and neither the client, nor Geocon, may amend or modify any aspect of this contract unless such alterations are reduced to writing and properly executed by the parties hereto. These terms and conditions shall supersede all prior or contemporaneous communications, representations, or agreements, and any provisions expressed or implied in the request for proposal, purchase order, authorization to proceed, or other contradictory provisions, whether written or oral.

Item 11. Payment. Invoices for performed work will be submitted monthly for services rendered the prior month, payable within 30 days of invoice date. The fees quoted are based upon an expected timely payment. An interest charge of 1.5% per month will be added to delinquent charges; however, Geocon at its option, may terminate its services due to clients failure to pay when due. In the event of termination of services prior to completion, client shall compensate Geocon for all services performed prior to and for such termination.



December 16, 2016

Mr. William P. Dolan, PE
Robinson Engineering, Ltd.
17000 South Park Avenue
South Holland, Illinois 60473

RE: Proposal for CCDD Soil Sampling and Testing
Proposed Roadway Reconstruction
175th Street (Oak Park Avenue to Ridgeland Avenue)
and Ridgeland Avenue (175th Street to Oak Forest Avenue)
Tinley Park, Cook County, Illinois 60477
GEOCON Proposal No. 16-P412

Dear Mr. Dolan:

GEOCON Professional Services, LLC (GEOCON) has prepared this proposal for sampling and testing of the excess soil that will be generated during the roadway reconstruction improvements of 175th Street (Oak Park Avenue to Ridgeland Avenue) and Ridgeland Avenue (175th Street to Oak Forest Avenue) in Tinley Park, Illinois (site).

PROJECT UNDERSTANDING

If the excess soil in the project area is determined to be clean based on analytical testing, the involved contractors intend to dispose of the soil at a Clean Construction or Demolition Debris (CCDD) facility, however, as of the date of this proposal, the contractor has not been selected and the CCDD facility location has not been determined. The scope of work outlined in this proposal will be acceptable at most CCDD facilities, however, there are some CCDD facilities that require more analytical testing and possibly additional samples to be tested based on the volume of excess soil generated.

SCOPE OF WORK

The proposed scope of work includes the following:

- Collect three grab soil samples from three locations along the project area where excavation will occur for the planned improvements. The three locations will be selected based on potential impacted properties in the area. GEOCON will collect the samples using a hand auger in the right-of-ways or with the assistance of the selected contractor prior to construction. The sample will be submitted for analytical testing by an accredited laboratory on a standard five to seven-day turnaround for the testing results. The testing parameters are listed on the attached estimate worksheet.
- Compare the laboratory testing results for the soil sample to the IEPA *Summary of Maximum Allowable Concentrations of Chemical Constituents in Uncontaminated Soil Used as Fill Material At Regulated Fill Operations (35 IAC 1100.Subpart F)*, (MAC) table dated August 27, 2012, in a tabular format, to determine if the material is contaminated or clean. If the material is clean, a Licensed Professional Engineer (L.P.E.) or Licensed

Professional Geologist (L.P.G) will complete the IEPA Uncontaminated Soil Certification form (LPC-663).

- The analytical tables and laboratory report will be provided to the client within five to eight working days from the date the sample is collected.

FEE PROPOSAL

The fee for the services will be **\$3,972.50** and the results will be reported within five to eight working days from the date the samples are collected.

OTHER CONSIDERATIONS AND LIMITATIONS

If the soil samples are found to be contaminated, the laboratory testing data can likely be used for acceptance as a special waste or non-special waste at one of Waste Management's landfills or another landfill facility, however, depending on the landfill facility, additional landfill characterization testing may be required to obtain a landfill disposal permit.

The scope of work assumes that the soil samples that will be collected from the project area prior to the start of the disposal activities are representative of the soil that will be disposed of. If during the course of the truck loading activities, previously unknown fill material or suspected contaminated fill material is uncovered that is not similar to the material initially tested, GEOCON should be contacted. The L.P.E. or L.P.G. may require that an additional sample be collected and tested.

If the soil is certified to be Uncontaminated by our L.P.E. or L.P.G., it should be recognized that GEOCON cannot guarantee that each truck load of soil will be accepted for disposal at the facility. The facility will make the final determination for acceptance of each truck load of soil after they have conducted screening of each load at the entrance of the receiving facility.

AUTHORIZATION

GEOCON will proceed with the work on the basis of authorization received from the client, which may be in the form of a copy of the proposal signed and returned to GEOCON.

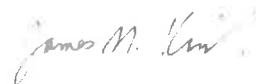
Should you have any questions regarding this proposal, or if we could be of any other assistance, please feel free to call us at (815) 806-9986. We are looking forward to working with you on this project.

Sincerely,

GEOCON PROFESSIONAL SERVICES, LLC



Erin E. Curley
Environmental Department Manager



James M. Kurnik, P.E.
Branch Manager

Proposal for CCDD Soil Sampling and Testing
Roadway Reconstruction
175th Street and Ridgeland Avenue
Tinley Park, IL
GEOCON Proposal No. 16-P412
Page 3

Enclosure: Estimate Worksheet
 Environmental General Conditions

ACCEPTANCE OF PROPOSAL AND ENCLOSURES

FIRM NAME: _____

SIGNATURE: _____

PRINTED NAME: _____

TITLE: _____

DATE: _____



ESTIMATE WORKSHEET

Client: Robinson Engineering, Ltd.
Project: Roadway Reconstruction
Location: 175th Street (Oak Park Avenue to Ridgeland Avenue)
and Ridgeland Avenue (175th Street to
Oak Forest Avenue)
Tinley Park, Illinois

GEOCON Proposal No.: 16-P412

Date: December 16, 2016

	<u>Quantity</u>	<u>Unit Fee</u>	<u>Total</u>
I. Laboratory Soil Testing Services			
1. VOCs	3 Test	\$180.00	\$540.00
2. SVOCs	3 Test	\$300.00	\$900.00
3. Pesticides/PCBs	3 Test	\$180.00	\$540.00
4. RCRA 8 Total Metals	3 Test	\$126.00	\$378.00
5. RCRA 8 SPLP Metals	0 Test	\$226.00	\$0.00
6. pH	3 Test	\$24.00	\$72.00
7. Preserved Vials for volatile testing	3 Each	\$20.00	<u>\$60.00</u>
	Subtotal for Laboratory Services:		\$2,490.00
II. Engineering Services			
1. Project Manager	10 Hours	\$140.00	\$1,400.00
2. Professional Engineer	0.5 Hour	\$165.00	<u>\$82.50</u>
	Subtotal for Engineering Services:		\$1,482.50
	TOTAL PROJECT COST ESTIMATE:		\$3,972.50

GENERAL CONDITIONS

GEOCON PROFESSIONAL SERVICES, LLC

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Item 9. Insurance and Indemnity. Geocon represents that the company maintains general liability and property damage insurance coverage considered adequate and comparable with coverage maintained by other similar firms, and that Geocon's employees are covered by Workman's Compensation Insurance. Certificates of insurance can be provided to the client upon written request. Geocon shall not be responsible for any loss, damage, or liability beyond the insurance limits and conditions. Geocon agrees to indemnify the client from and save client harmless against any loss, damage, or liability stemming from acts of gross negligence by Geocon. Except as expressly set forth in Item No. 8 and 9, the client agrees to hold Geocon, its officers, directors, agents, and employees, harmless from any claims, suits or liability including, but not limited to, attorney fees, costs of settlement, and other incidental costs, for personal injury, death, illness, property damage or any other loss, allegedly arising from or related to Geocon's performance of work. These property value losses, claimed losses related to or stemming from inability of client to obtain financing or delays in obtaining such, failure to discover or properly categorize hazardous materials due to work scope limitations, claims of owners or operators of nearby properties, or failure of any Federal, state or other governmental jurisdiction or agency to approve or accept the procedures or recommendations submitted by Geocon.

Item 10. Modifications. This agreement and all attachments pursuant to this agreement represents the entire understanding between the parties, and neither the client, nor Geocon, may amend or modify any aspect of this contract unless such alterations are reduced to writing and properly executed by the parties hereto. These terms and conditions shall supersede all prior or contemporaneous communications, representations, or agreements, and any provisions expressed or implied in the request for proposal, purchase order, authorization to proceed, or other contradictory provisions, whether written or oral.

Item 11. Payment. Invoices for performed work will be submitted monthly for services rendered the prior month, payable within 30 days of invoice date. The fees quoted are based upon an expected timely payment. An interest charge of 1.5% per month will be added to delinquent charges; however, Geocon at its option, may terminate its services due to clients failure to pay when due. In the event of termination of services prior to completion, client shall compensate Geocon for all services performed prior to and for such termination.