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|---|---|--|--|---|
| Local Agency County of Lake | L O C A L A G E N C Y |  Illinois Department of Transportation Construction Engineering Services Agreement For Federal Participation | C O N S U L T A N T | Consultant V3 Companies of Illinois |
| County Lake | | | | Address 7325 Janes Avenue |
| Section 08-00090-12-CH | | | | City Woodridge |
| Project No. HJVN (698) | | | | State Illinois |
| Job No. C-91-080-18 | | | | Zip Code 60517 |
| Contact Name/Phone/E-mail Address Glenn Petko gpetko@lakecountyil.gov | | | | Contact Name/Phone/E-mail Address Tom Valaitis tvalaitis@v3co.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 described herein. Federal-aid funds allotted to the LA by the state of Illinois under the general supervision of the Illinois Department of Transportation (STATE) will be used entirely or in part to finance engineering services as described under AGREEMENT PROVISIONS.

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

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

Project Description

Name Quentin Road Route FAU 2574 Length 2.22 MI Structure No. _____

Termini White Pine Road to Illinois Route 22

Description: The improvement includes widening and reconstructing of Quentin Road including pavement construction, PCC sidewalks, noise abatement walls, box culverts, ground improvement areas, storm sewers, earth excavation, erosion control, landscaping, tree removal, proposed trees and signal improvements.

Agreement Provisions

I. THE ENGINEER AGREES,

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

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

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

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

II. THE LA AGREES,

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

Cost Plus Fixed Fee Formulas

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

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

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

Specific Rate (Pay per element)

Lump Sum _____

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

With Retainage

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

Without Retainage

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

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

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

III. It is Mutually Agreed,

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

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

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

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

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

Agreement Summary

| Prime Consultant: | TIN Number | Agreement Amount |
|--------------------------|------------|------------------|
| V3 Companies of Illinois | 36-3252440 | \$2,205,065.04 |

| Sub-Consultants: | TIN Number | Agreement Amount |
|-------------------------|------------|------------------|
| STATE Testing | 36-4312824 | \$129,829.84 |
| | | |
| | | |
| | | |
| Sub-Consultant Total: | | \$129,829.84 |
| Prime Consultant Total: | | \$2,205,065.04 |
| Total for all Work: | | \$2,334,894.88 |

Executed by the LA:

_____ (Municipality/Township/County)

ATTEST:

By: _____
 _____ Clerk

By: _____
 Title: _____

(SEAL)

Executed by the ENGINEER:

V3 Companies of Illinois

ATTEST:

By: _____
 Title: _____

By: _____
 Title: _____

Lake County: Quentin Road
Section No.: 08-00090-12-CH

ADDENDUM #1

An Addendum to the Construction Engineering Services Agreement
For Project HJVN (698) in the Village of Kildeer, the Village of Hawthorn Woods and the Village of
Lake Zurich
Lake County, Illinois

CHANGES IN "AGREEMENT PROVISIONS"

UNDER "THE ENGINEER AGREES"

The following provisions are added:

- (16) That V3 Companies of Illinois will not bid the project as a contractor.
- (17) That V3 Companies of Illinois will staff the project with a designated erosion control inspector.
- (18) That V3 Companies of Illinois will not exceed the total for all work amount as stipulated on Page 6 of this Agreement without prior approval from the County Engineer.

Quentin Road White Pine Road to IL 22
Estimated Schedule
Section 08-00090-12-CH
Project No. HJVN (698)

| | 2018 | | | | | | | | | | | | 2019 | | | | | | | | | | | | 2020 | | | | | | | |
|-----------------------|------|-----|-----|-----|-----|------|------|-----|------|-----|-----|-----|------|-----|-----|-----|-----|------|------|-----|------|-----|-----|-----|------|-----|-----|-----|-----|------|------|-----|
| | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug |
| Letting | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Construction | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Punchlist/Landscaping | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Close-Out | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Final Records | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Assumptions
 Bid Opening on 3/9/18
 Construction Start 5/7/18
 Substantial Construction Completion 11/27/19
 Project Completion 6/26/20

**PAYROLL ESCALATION TABLE
FIXED RAISES**

FIRM NAME V3 Companies of Illinois
PRIME/SUPPLEMENT Prime

DATE 10/25/17
PTB NO. Quentin Road - White Pine to IL 22

CONTRACT TERM 32 MONTHS
START DATE 12/31/2017
RAISE DATE 1/1/2018

OVERHEAD RATE 159.00%
COMPLEXITY FACTOR 0.035
% OF RAISE 3.00%

ESCALATION PER YEAR

12/31/2017 - 1/1/2018

1/2/2018 - 1/1/2019

1/2/2019 - 1/1/2020

1/2/2020 - 9/1/2020

0

32

12

32

12

32

8

32

= 0.00%
= 1.0573

38.63%

39.78%

27.32%

The total escalation for this project would be:

5.73%

AVERAGE HOURLY PROJECT RATES

FIRM V3 Companies of Illinois
PSB Quentin Road - White Pine to IL 22
PRIME/SUPPLEMENT Prime

DATE 10/25/17

SHEET 1 OF 5

| PAYROLL CLASSIFICATION | AVG HOURLY RATES | TOTAL PROJECT RATES | | | Inspection | | | Documentation | | | Survey | | | Project Management | | | Web Site | | |
|------------------------|------------------|---------------------|---------|----------|------------|---------|----------|---------------|---------|----------|--------|---------|----------|--------------------|---------|----------|----------|---------|----------|
| | | Hours | % Part. | Wgtd Avg | Hours | % Part. | Wgtd Avg | Hours | % Part. | Wgtd Avg | Hours | % Part. | Wgtd Avg | Hours | % Part. | Wgtd Avg | Hours | % Part. | Wgtd Avg |
| Division Director | 70.00 | 176 | 1.24% | 0.87 | | | | | | | | | 176 | 6.04% | 4.22 | | | | |
| Senior Project Manag | 65.55 | 4740 | 33.51% | 21.96 | 1000 | 11.63% | 7.62 | 1000 | 48.08% | 31.51 | | | 2740 | 93.96% | 61.59 | | | | |
| Senior Construction | 43.13 | 3380 | 23.89% | 10.30 | 3380 | 39.30% | 16.95 | | | | | | | | | | | | |
| Engineer III | 36.49 | 4220 | 29.83% | 10.88 | 4220 | 49.07% | 17.90 | | | | | | | | | | | | |
| Construction Admin I | 48.05 | 1080 | 7.63% | 3.67 | | | | 1080 | 51.92% | 24.95 | | | | | | | | | |
| Project Engineer I | 41.36 | 190 | 1.34% | 0.56 | | | | | | | | | | | | 190 | 100.00% | 41.36 | |
| Survey Crew | 33.09 | 240 | 1.70% | 0.56 | | | | | | | 240 | 66.67% | 22.06 | | | | | | |
| Project Surveyor II | 31.15 | 120 | 0.85% | 0.26 | | | | | | | 120 | 33.33% | 10.38 | | | | | | |
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| TOTALS | | 14146 | 100% | \$49.07 | 8600 | 100.00% | \$42.48 | 2080 | 100% | \$56.47 | 360 | 100% | \$32.44 | 2916 | 100% | \$65.82 | 190 | 100% | \$41.36 |

V3 COMPANIES
Payroll Rates Effective 01/01/2017

| Labor Category | Hourly Rate Range | | Average Hourly Rate |
|---|--------------------------|-------------------------|----------------------------|
| | Min of Cost Rate | Max of Cost Rate | |
| Administration I | \$16.20 | \$27.91 | \$20.06 |
| Administration II | \$19.81 | \$34.10 | \$26.85 |
| Administration III | \$39.91 | \$50.96 | \$45.44 |
| Senior Administration | \$42.71 | \$58.09 | \$50.70 |
| Construction Administrator II | \$29.20 | \$35.00 | \$32.10 |
| Construction Administrator III | \$43.00 | \$47.90 | \$45.45 |
| Construction Technician III | \$36.50 | \$38.90 | \$32.10 |
| Design Technician II | \$20.52 | \$20.52 | \$20.52 |
| Design Technician III | \$27.95 | \$35.73 | \$32.81 |
| Director | \$61.68 | \$70.00 | \$69.36 |
| Engineer I | \$28.00 | \$29.87 | \$28.77 |
| Engineer II | \$30.60 | \$32.94 | \$31.89 |
| Engineer III | \$31.14 | \$37.00 | \$34.51 |
| Estimating Techician | \$22.93 | \$22.93 | \$22.93 |
| Field Ecologist I | \$14.00 | \$15.23 | \$14.52 |
| Field Ecologist II | \$16.51 | \$19.76 | \$18.68 |
| Field Ecologist III | \$21.01 | \$23.81 | \$22.22 |
| Operations Director | \$60.46 | \$60.46 | \$60.46 |
| Operations Manager | \$35.16 | \$35.16 | \$35.16 |
| Project Engineer I | \$33.65 | \$45.10 | \$39.12 |
| Project Engineer II | \$38.40 | \$44.30 | \$41.15 |
| Project Manager | \$34.25 | \$49.17 | \$42.85 |
| Project Manager I | \$46.15 | \$52.52 | \$50.40 |
| Project Manager II | \$52.52 | \$57.32 | \$54.51 |
| Project Scientist | \$36.14 | \$37.50 | \$36.82 |
| Project Surveyor II | \$28.25 | \$30.67 | \$29.46 |
| Project Surveyor III | \$31.77 | \$32.51 | \$32.14 |
| Resident Construction Manager I | \$43.10 | \$52.00 | \$47.55 |
| Resident Construction Manager II | \$51.00 | \$54.40 | \$52.70 |
| Resident Engineer I | \$46.80 | \$50.30 | \$48.70 |
| Resident Engineer II | \$53.60 | \$53.60 | \$53.60 |
| Scientist III | \$29.79 | \$33.51 | \$31.65 |
| Senior Construction Technician | \$36.90 | \$43.30 | \$40.79 |
| Senior Estimator | \$57.49 | \$57.49 | \$57.49 |
| Senior Project Engineer | \$44.50 | \$47.76 | \$46.47 |
| Senior Project Manager | \$49.28 | \$70.00 | \$59.96 |
| Senior Project Manager (Constr Engineering) | \$55.20 | \$70.00 | \$62.00 |
| Senior Project Manager (Trans & Mun Eng) | \$57.40 | \$70.00 | \$66.86 |
| Superintendent | \$55.81 | \$55.81 | \$55.81 |
| Survey Crew | \$29.17 | \$32.97 | \$31.30 |
| Technician I/II | \$12.50 | \$26.14 | \$19.32 |
| Technician II | \$42.44 | \$42.44 | \$42.44 |

\$1,563.40

\$1,805.08

\$1,687.62

check

check

check



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

August 8, 2016

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Lou Gallucci
V3 COMPANIES OF ILLINOIS, LTD
7325 Janes Avenue
Woodridge, IL 60517

Dear Lou Gallucci,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2015. Your firm's total annual transportation fee capacity will be \$38,400,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 159.00% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2016. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Maureen M. Addis
Acting Bureau Chief
Bureau of Design & Environment

SEFC PREQUALIFICATIONS FOR V3 COMPANIES OF ILLINOIS, LTD

| CATEGORY | STATUS |
|---|--------|
| Environmental Reports - Environmental Assessment | A |
| Hydraulic Reports - Pump Stations | X |
| Structures - Railroad | X |
| Location Design Studies - Rehabilitation | X |
| Special Studies - Feasibility | X |
| Highways - Roads and Streets | X |
| Hydraulic Reports - Waterways: Complex | X |
| Special Services - Surveying | X |
| Transportation Studies - Railway Engineering | X |
| Structures - Highway: Advanced Typical | X |
| Location Design Studies - Reconstruction/Major Rehabilitation | X |
| Hydraulic Reports - Waterways: Typical | X |
| Structures - Highway: Simple | X |
| Special Studies - Pump Stations | X |
| Special Studies - Traffic Studies | X |
| Special Studies - Traffic Signals | X |
| Special Studies - Safety | X |
| Special Services - Construction Inspection | X |
| Location Design Studies - New Construction/Major Reconstruction | X |
| Special Services - Sanitary | X |
| Highways - Freeways | X |
| Structures - Highway: Typical | X |
| Special Studies - Location Drainage | X |

| | |
|---|--|
| X | PREQUALIFIED |
| A | NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS. |
| S | PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST |



**Cost Estimate of
Consultant Services
(CPFF)**

Firm STATE Testing
 Route Quintin
 Section _____
 County _____
 Job No. _____
 PTB & Item _____

Date 10/25/17

Overhead Rate 155.06%

Complexity Factor 0.035

| Item | Manhours (A) | Payroll (B) | Overhead & Fringe Benefits (C) | In-House Direct Costs (D) | Fixed Fee (E) | Outside Direct Costs (F) | Unit Work Direct Cost (G) | Sub Total (B+C+D+E+F+G) | Total (B+C+D+E+F+G) | % of Grand Total |
|---------------------|-----------------|----------------|-----------------------------------|------------------------------|------------------|-----------------------------|------------------------------|----------------------------|------------------------|------------------|
| Soils Inspection | 750 | 33,050.24 | 51,247.70 | 7,683.40 | \$14,559.61 | 0.00 | 13,620.00 | | 120,160.95 | 92.55% |
| MSE Wall Insepction | 75 | 3,305.02 | 5,124.77 | | 1,239.09 | | | | 9,668.89 | 7.45% |
| | | | | | | | | | | |
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| | | | | | | | | | | |
| TOTALS | 825 | 36,355.26 | 56,372.47 | 7,683.40 | 15,798.71 | 0.00 | 13,620.00 | 0.00 | 129,829.84 | 100.00% |

Direct Costs (STATE Testing)

CPFF = 14.5%(DL + R(DL) + OH(DL) + IHDC)

Average Hourly Project Rates

Route Quintin
 Section _____
 County _____
 Job No. _____
 PTB/Item _____

Consultant STATE Testing

Date 10/25/17

Sheet 1 OF 1

| Payroll Classification | Avg Hourly Rates | Total Project Rates | | | Soils Inspection | | | MSE Wall Inseption | | | | | | | | | | | |
|-------------------------------|------------------------|---------------------|------------|--------------|------------------|------------|--------------|--------------------|------------|--------------|-------|------------|--------------|-------|------------|--------------|---|----|--------|
| | | Hours | % Part. | Wgt'd Avg | Hours | % Part. | Wgt'd Avg | Hours | % Part. | Wgt'd Avg | Hours | % Part. | Wgt'd Avg | Hours | % Part. | Wgt'd Avg | | | |
| CCM | | | | | | | | | | | | | | | | | | | |
| Principal | 70.00 | 0 | | | 0 | | | | | | | | | | | | | | |
| Associate Engineer/PM | 60.00 | 0 | | | 0 | | | | | | | | | | | | | | |
| Senior Engineer | 62.38 | 0 | | | 0 | | | | | | | | | | | | | | |
| Professional Engineer | 60.68 | 0 | | | 0 | 15.00% | | | 15.00% | | | | | | | | | | |
| Civil Engineer | 38.19 | 0 | | | 0 | | | | | | | | | | | | | | |
| Materials Coordinator | 44.42 | 0 | | | 0 | | | | | | | | | | | | | | |
| Laboratory Manager | 45.94 | 0 | | | 0 | | | | | | | | | | | | | | |
| Quality Assurance Manager | 43.35 | 0 | | | 0 | | | | | | | | | | | | | | |
| Staff Accountant | 37.80 | 0 | | | 0 | | | | | | | | | | | | | | |
| Administrative Assistant I | 24.85 | 0 | | | 0 | | | | | | | | | | | | | | |
| Engineering Technician | 30.13 | 0 | | | 0 | | | | | | | | | | | | | | |
| CWI | 45.59 | 0 | | | | | | | | | | | | | | | | | |
| Level III Technician | 43.64 | 0 | | | | | | | | | | | | | | | | | |
| Laboratory Technician II | 25.93 | 0 | | | 0 | | | | | | | | | | | | | | |
| Laboratory Technician I | 17.97 | 0 | | | 0 | | | | | | | | | | | | | | |
| Material Tester 1 | 44.07 | 0 | | | 0 | | | | | | | | | | | | | | |
| Material Tester 2 | 44.07 | 825 | 100.00% | 44.07 | 750 | 100.00% | 44.07 | 75 | 100.00% | 44.07 | | | | | | | | | |
| Apprentice | 30.17 | 0 | | | 0 | | | | | | | | | | | | | | |
| Senior Geotechnical Technicia | 46.52 | 0 | | | 0 | | | | | | | | | | | | | | |
| | | 0 | | | 0 | | | | | | | | | | | | | | |
| | | 0 | | | 0 | | | | | | | | | | | | | | |
| | | 0 | | | 0 | | | | | | | | | | | | | | |
| | | 0 | | | 0 | | | | | | | | | | | | | | |
| | | 0 | | | 0 | | | | | | | | | | | | | | |
| | | 0 | | | 0 | | | | | | | | | | | | | | |
| | | 0 | | | 0 | | | | | | | | | | | | | | |
| | | 0 | | | 0 | | | | | | | | | | | | | | |
| | | 0 | | | 0 | | | | | | | | | | | | | | |
| TOTALS | | 825 | 100% | \$44.07 | 750 | 115% | \$44.07 | 75 | 115% | \$44.07 | 0 | 0% | \$0.00 | 0 | 0% | \$0.00 | 0 | 0% | \$0.00 |



**Payroll Escalation Table
Fixed Raises**

FIRM NAME STATE Testing
PRIME/SUPPLEMENT Sub

DATE 10/25/17
PTB NO. _____

CONTRACT TERM 32 MONTHS
START DATE 12/31/2017
RAISE DATE 1/1/2018

OVERHEAD RATE 155.06%
COMPLEXITY FACTOR _____
% OF RAISE 3.00%

ESCALATION PER YEAR

12/31/2017 - 1/1/2018

1/2/2018 - 1/1/2019

1/2/2019 - 1/1/2020

1/2/2020 - 9/1/2020

0
32

12
32

12
32

8
32

= 0.00%
= 1.0573

38.63%

39.78%

27.32%

The total escalation for this project would be:

5.73%

Units of Work Breakdown
Quintin

AGGREGATE LABORATORY SERVICES

| | | | |
|---|-------|---------|---------|
| DRY GRADATION (ASTM C 136) | \$110 | EACH | \$0 |
| WASHED GRADATION (ASTM C 136) | \$158 | 15 EACH | \$2,370 |
| SPECIFIC GRAVITY AND ABSORPTION (ASTM C 127, C 128) | \$250 | EACH | \$0 |
| MOISTURE CONTENT | \$55 | EACH | \$0 |
| MINERAL FILLER GRADATION (ASTM D 546) | \$140 | EACH | \$0 |
| PGE TESTING (Washed Gradation) | \$315 | EACH | \$0 |
| PGE TESTING (Dry Gradation) | \$265 | EACH | \$0 |
| LOS ANGELES ABRASION (ASTM C 131) | \$235 | EACH | \$0 |
| FIVE CYCLE SOUNDNESS | \$465 | EACH | \$0 |
| UNCOMPACTED VOID CONTENT (fine aggregate) | \$140 | EACH | \$0 |
| FLAT AND ELONGATED PARTICLES (ASTM D47) | \$140 | EACH | \$0 |
| SAND EQUIVALENT (ASTM D 2419) | \$135 | EACH | \$0 |
| FRACTURED PARTICLES (coarse aggregate angu | \$135 | EACH | \$0 |
| AGGREGATE ABSORPTION (AVG. OF 3) (ASTM | \$135 | EACH | \$0 |
| UNIT WEIGHT (ASTM C 29) | \$100 | EACH | \$0 |
| DELETERIOUS COUNT | \$140 | EACH | \$0 |

SOILS LABORATORY SERVICES *

| | | | |
|---|-------|---------|---------|
| STANDARD PROCTOR (AASHTO T99, ASTM D69 | \$265 | 10 EACH | \$2,650 |
| MODIFIED PROCTOR (AASHTO T180, ASTM D15 | \$395 | EACH | \$0 |
| PLASTICITY INDEX (AASHTO T90, ASTM D4318) | \$140 | 10 EACH | \$1,400 |
| HYDROMETER TEST (AASHTO T-88) | \$285 | 10 EACH | \$2,850 |
| ORGANIC CONTENT (AASHTO T-267, ASTM D-2 | \$170 | 10 EACH | \$1,700 |
| PH OF SOILS (AASHTO T-289) | \$100 | EACH | \$0 |
| LIQUID & PLASTIC LIMIT | \$95 | EACH | \$0 |
| CLASSIFICATION OF SOIL | \$265 | 10 EACH | \$2,650 |

TOTAL LABORATORY CHARGES

\$13,620

Total Direct Cost

| |
|--------------|
| \$ 13,620.00 |
|--------------|

Direct Cost Breakdown
Quintin

Vehicles

| | Unit Cost | Quantity | Units | Total Cost |
|--------------|-----------|----------|-------|-------------|
| Daily Charge | \$ 65.00 | 115 | Days | \$ 7,475.00 |
| Milage | | | | |
| | | | | \$ 7,475.00 |

Premium Overtime

| | Premium | Est OT Hours | |
|----------------------------|---------|--------------|-----------|
| Overtime Senior Technician | \$ - | 0 | \$ - |
| Level III | \$41.28 | \$ 20.64 | \$ - |
| Level II | \$41.28 | \$ 20.64 | \$ - |
| Level I | \$41.28 | \$ 20.64 | \$ - |
| Material Tester 2 | \$41.68 | \$ 20.84 | \$ 208.40 |
| Material Tester 1 | \$41.68 | \$ 20.84 | \$ - |

Night Differential

| | | | | |
|---|---------|---------|---|-----------|
| Level III | \$41.28 | \$ 4.13 | 0 | \$ - |
| Level II | \$41.28 | \$ 4.13 | 0 | \$ - |
| Level II | \$41.28 | \$ 4.13 | 0 | \$ - |
| Material Tester 2 | \$41.68 | \$ 4.17 | 0 | \$ - |
| Material Tester 1 | \$41.68 | \$ 4.17 | 0 | \$ - |
| Per union Contract hours between 6pm and 6am receives 10% Shift differential. | | | | \$ 208.40 |

Premium Overtime due to Prevailing Wage

| | | | | | |
|-------|------------|------|---------|-----|--------|
| Other | Cell Phone | \$70 | EACH | \$0 | \$0.00 |
| | Postage | | At Cost | | |

Total Direct Cost \$ 7,683.40



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

August 8, 2016

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Jay Behnke
S. T. A. T. E. TESTING, LLC
570 Rock Road
Unit K
East Dundee, IL 60118

Dear Jay Behnke,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2015. Your firm's total annual transportation fee capacity will be \$7,600,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 155.06% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2016. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Maureen M. Addis
Acting Bureau Chief
Bureau of Design & Environment

SEFC PREQUALIFICATIONS FOR S. T. A. T. E. TESTING, LLC

| CATEGORY | STATUS |
|--|--------|
| Special Services - Quality Assurance HMA & Aggregate | X |
| Special Services - Quality Assurance PCC & Aggregate | X |
| Special Services - Construction Inspection | X |

| | |
|---|--|
| X | PREQUALIFIED |
| A | NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS. |
| S | PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST |