

Local Agency City of Aurora	<b>L O C A L  A G E N C Y</b>	 <b>Illinois Department of Transportation</b>	<b>C O N S U L T A N T</b>	Consultant HR Green, Inc.
County Kane				Address 420 N. Front Street
Section 15-00305-00-RS				City McHenry
Project No. M-4003(524)				State IL
Job No. C-91-344-15				Zip Code 60050
Contact Name/Phone/E-mail Address Chris Lirot, 630.256.3242 clirot@aurora-il.org				Contact Name/Phone/E-mail Address Akram Chaudhry, 815.759.8310 achaudhry@hrgreen.com

THIS AGREEMENT is made and entered into this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ 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:

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

**Project Description**

Name W. Indian Trail Route FAU 153 Length 0.80 m Structure No. N/A

Termini Orchard Road and N. Edgelawn Drive

Description: This work consists of class d patches, HMA surface removal, HMA binder and surface courses, combination concrete curb and gutter removal and replacement, PCC driveway removal and replacement, PCC sidewalk removal and replacement, raised reflective pavement markers and thermoplastic pavement markings.

**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.







Engineering Payment Report

Prime Consultant

Name HR Green  
 Address 420 N. Front Street  
 Telephone 815.385.1778  
 TIN Number 42-0927178

Project Information

Local Agency City of Aurora  
 Section Number 15-00305-00-RS  
 Project Number M-4003(524)  
 Job Number C-91-344-15

This form is to verify the amount paid to the Sub-consultant on the above captioned contract. Under penalty of law for perjury or falsification, the undersigned certifies that work was executed by the Sub-consultant for the amount listed below.

Sub-Consultant Name	TIN Number	Actual Payment from Prime
Rubino Engineering	80-0450719	
Sub-Consultant Total:		
Prime Consultant Total:		
Total for all Work Completed:		

\_\_\_\_\_  
 Signature and title of Prime Consultant \_\_\_\_\_  
Date

**Note:** The Department of Transportation is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under state and federal law. Disclosure of this information is REQUIRED and shall be deemed as concurring with the payment amount specified above.

For information about IDOT's collection and use of confidential information review the department's [Identity Protection Policy](#).



**Exhibit D- Construction Engineering  
Direct Costs**

**Project Start Up**

In-House Direct Costs

Mileage

5 days x

\$65.000 per day = \$325.00

1 half day x

\$32.500 per day = \$32.50

Sub-Total \$357.50

**Construction Observation**

In-House Direct Costs

Vehicle Use

40 days x

\$65.000 per day = \$2,600.00

Sub-Total \$2,600.00

**Total Mileage Direct Cost** \$2,957.50

Services by Others - Geotechnical Subconsultant

Rubino Engineering

\$4,319.00

Sub-Total \$4,319.00

**Total Services by Others** \$4,319.00



## PROPOSAL

May 6, 2015

To: Todd Destree, PE  
HR Green  
420 North Front Street  
McHenry, IL 60050  
815.385.1781

Re: Quality Assurance Testing Services  
Indian Trail Resurfacing  
Orchard Road to Edgelawn Drive  
Aurora, IL

Rubino Proposal # Q15.140

Via email: [tdestree@hrgreen.com](mailto:tdestree@hrgreen.com)

Dear Mr. Destree,

Rubino Engineering, Inc. is pleased to submit the following proposal to provide QA construction materials testing and inspection services on Indian Trail project in Aurora, Illinois.

### PROJECT UNDERSTANDING

Rubino Engineering, Inc. received material quantities from you on May 1, 2015 and the following outlines our understanding of the requested scope of services:

#### Project Name and Description

FAU 1503 (W Indian Trail)  
FAP 336 (Orchard Road) to N. Edgelawn Drive  
Resurfacing Project  
Section 15-00305-00-RS  
Project No.: M-4003(524)  
City of Aurora  
Kane County  
C-91-344-15

#### General Scope of Services

- QA Field testing of uncured concrete – Slump, air, temperature, and casting of cylinders
- QA Laboratory testing of cured concrete – Strength
- QA Field testing of hot mix asphalt (HMA) – Density by the nuclear method
- QA Laboratory testing of HMA – Bulk SG, Max SG, and Loss on Ignition

#### Extras

- Re-inspection for failed tests
- Work areas not ready for inspection at the time scheduled
- Delays by the contractor
- Cancellations
- Overtime

Rubino Engineering, Inc. proposes to provide experienced, technical personnel to perform the requested testing in general accordance with the client-provided project specifications. If any of the above information is incorrect, please notify us or change it on the signed copy of the proposal.

### FEES

The work will be accomplished on a unit price basis in accordance with the Rubino Engineering, Inc. Schedule of Services and Fees, and will be performed pursuant to the attached General Conditions. Copies of our

Schedule of Services and Fees and General Conditions are enclosed herewith and incorporated into this proposal.

Rubino Engineering, Inc.'s fees will be determined by the actual amount of technical time expended for this project and the amount of laboratory testing performed by the client's request. The fees charged under this agreement are subject to change 6 months from the date of the proposal.

Rubino Engineering, Inc. will proceed with the planned work only after receiving a signed copy of this proposal. Please complete the attached Project Data Sheet before returning the proposal to enable your file to be properly established.

Item Description	Quantity	Unit	Material Tester 1 (hr)	Vehicle (day)	Project Manager (hr)	Nuclear Density Gauge (day)	Cylinders (each)	Sample Pickup	Maximum Theoretical Specific Gravity	Bulk Specific Gravity	Extraction + Sieve Analysis	Ignition Oven Test / Reflux
Polymerized leveling binder (machine method), IL-4.75, N50	1445	TON							1	1	1	1
Hot mix asphalt surface course, Mix D, N70	3535	TON	16	4	2	4			1	1	1	1
Portland cement concrete sidewalk, 6 inch	1500	SQ FT	4	1	0.5		5	1				
Class D Patches, Type I-II, 10 inch	100	SQ YD	4	1	0.5				1	1	1	1
			24	6	3	4	5	1	3	3	3	3
<b>GRAND TOTAL = \$4,319.00</b>			\$2,136.00	\$390.00	\$300.00	\$160.00	\$85.00	\$240.00	\$345.00	\$285.00	\$378.00	\$378.00

**PROJECT SCHEDULING**

Please contact Tim Dunne on his cell phone to schedule testing services:  
**847-343-0749**  
[tim.dunne@rubinoeng.com](mailto:tim.dunne@rubinoeng.com)

**CLOSING**

Rubino appreciates the opportunity to offer our services for this project and we look forward to working with your company. Please contact me with questions pertaining to this proposal or requests for additional services.

Respectfully submitted,

**RUBINO ENGINEERING, INC.**

*Michelle Lipinski*  
 Michelle A. Lipinski, PE

**RUBINO ENGINEERING, INC. IS:  
 AN AASHTO-ACCREDITED LABORATORY  
 IDOT PREQUALIFIED  
 IDOT DBE-CERTIFIED (100% WOMAN-OWNED)**

President  
[michelle.lipinski@rubinoeng.com](mailto:michelle.lipinski@rubinoeng.com)

### AUTHORIZATION AND PROPOSAL ACCEPTANCE

If this proposal is acceptable to you, Rubino Engineering, Inc. will perform the work in accordance with the attached General Conditions that are incorporated into and made a part of this proposal. Please sign below as notice to proceed and return one copy of this proposal intact to our office. We will proceed with the work upon receipt of signed authorization.

AGREED TO, THIS _____ DAY OF _____, 20__.
BY (please print): _____
TITLE: _____
COMPANY: _____
SIGNATURE: _____

### PROJECT INFORMATION:

1. Project Name: \_\_\_\_\_
2. Project Location: \_\_\_\_\_
3. Your Job No.: \_\_\_\_\_ Purchase Order No.: \_\_\_\_\_
4. Project Manager: \_\_\_\_\_ Telephone No.: \_\_\_\_\_
5. Site Contact: \_\_\_\_\_ Telephone No.: \_\_\_\_\_
6. Number and Distribution of Reports:  
( ) Copies To: \_\_\_\_\_ ( ) Copies To: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
Attn: \_\_\_\_\_ Attn: \_\_\_\_\_  
Email: \_\_\_\_\_ Email: \_\_\_\_\_

IDOT Section No.: _____	IDOT Contract No.: _____
IDOT Route No.: _____	County: _____
IDOT Job No.: _____	IDOT Project No.: _____
City: _____	QC Plan(s) Attached: <input type="checkbox"/>

7. Invoicing Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
Attn: \_\_\_\_\_  
Email: \_\_\_\_\_

8. Other Pertinent Information Or Previous Subsurface Information Available:  
\_\_\_\_\_  
\_\_\_\_\_

**Rubino Engineering, Inc.**

**Schedule of Construction Materials Testing Services & Fees through March 1, 2016 (Illinois Prevailing Wage)**

**LABORATORY TESTING SERVICES**

Compression testing of concrete cylinders by ASTM procedures	Per Cylinder	\$ 17.00
Pick-up of samples and transportation to lab (Does not include vehicle charge)	Per hour	\$ 87.00
<b>Asphalt</b>		
Maximum Theoretical Specific Gravity	Each	\$ 115.00
Bulk Specific Gravity	Each	\$ 95.00
Ignition Oven Test / Reflux Extraction + Sieve Analysis	Each	\$ 126.00
Core Densities	Each	\$ 40.00
<b>Soils - Density relationship</b>		
ASTM D698 - AASHTO T99 (Standard Proctor)	Each	\$ 195.00
ASTM D1557 - AASHTO T180 (Modified Proctor)	Each	\$ 215.00
Sample preparation for the above tests (clay samples)	Each	\$ 40.00

**MATERIAL TESTER - 1** - Hand coring and drilling for testing of materials; field inspection of uncured concrete and asphalt.

Per Hour	\$ 89.00
Per Hour Overtime (before 8am, after 5pm and Saturdays)	\$ 133.50
Per Hour Overtime Sundays and Holidays	\$ 169.10

**MATERIAL TESTER - 2** - Field inspection of welds, structural steel, fireproofing, masonry, soil, facade, reinforcing steel, formwork, cured concrete, and concrete and asphalt batch plants; adjusting proportions of bituminous mixtures.

Per Hour	\$ 93.00
Per Hour Overtime (before 8am, after 5pm and Saturdays)	\$ 139.50
Per Hour Overtime Sundays and Holidays	\$ 176.70

**EQUIPMENT CHARGES**

Vehicle Charge - Round Trip	Per Day	\$ 65.00
Nuclear Density Gage	Per Day	\$ 40.00
GPR Meter Rental	Per Day	\$ 250.00

**CORING SERVICES**

P.C. Concrete or Bituminous Concrete Coring - Personnel & Equipment	Per Hour	\$ 225.00
Diamond Bit Charge, per inch diameter, per inch depth	Per Inch	\$ 3.25

**ENGINEERING SERVICES**

Chief Engineer	Per Hour	\$ 185.00
Project Engineer/Manager	Per Hour	\$ 100.00
Administrative Assistant	Per Hour	\$ 65.00
Report Review	Each	\$ 50.00

**REMARKS**

- 1) All fees and services are provided in accordance with the attached Rubino Engineering, Inc. General Conditions.
- 2) Unit prices/rates are in effect for 6 months from the date of this proposal and are subject to change without notice thereafter.
- 3) Overtime rates are applicable for services performed in excess of 8 hours per day portal to portal, Monday through Friday, before 7:00 AM or after 3:00 PM, and for all hours worked on Saturdays, Sundays and holidays. The overtime rate is 1.5 times the applicable hourly rate.
- 4) All rates are billed on a portal-to-portal basis.
- 5) Standby time due to delays beyond our control will be charged at the applicable hourly rate.
- 6) Transportation and per diem are charged at the applicable rates per trip.
- 7) Rates involving mileage (including transportation, mobilization, vehicle and trip charges) are subject to change based upon increases in the national average gasoline price.
- 8) A minimum charge of 4 hours applies to field testing and observation services.
- 9) Scheduling or cancellation of field testing and observation services is required no less than the working day prior to the date the services are to be performed. Services cancelled without advance and/or inadequate notice will be assessed a minimum 4-hour charge.

- 10) For all Rubino Engineering, Inc. services, a project management/engineering review charge will be billed for all reports issued for the scheduling/supervision of personnel and the evaluation/review of data and reports.
- 11) The minimum billing increment for time is a half hour.
- 12) A project set-up charge of a minimum of two hours applies to all projects.
- 13) Professional Services rates are exclusive of expert deposition or testimony time.
- 14) This proposal is based on Rubino Engineering, Inc. being scheduled on an on-call basis and letters of certification will not be provided unless Rubino Engineering, Inc. is notified in advance and Rubino Engineering, Inc. is scheduled for full time inspection and testing of the area or item to be certified.
- 15) If special inspections are required by the city where the construction is to take place, it must be brought to the attention of Rubino Engineering, Inc. prior to the start of construction as additional charges will apply.
- 16) Prevailing wage fees are subject to change based on the Illinois Department of Labor.
- 17) Services and fees not listed on this schedule may be quoted on request.

## GENERAL CONDITIONS

**1. PARTIES AND SCOPE OF WORK:** Rubino Engineering, Inc. shall include said company or its particular division, subsidiary or affiliate performing the work. "Work" means the specific geotechnical, analytical, testing or other service to be performed by Rubino Engineering, Inc. as set forth in Rubino Engineering, Inc.'s proposal, Client's acceptance thereof and these General Conditions. Additional work ordered by Client shall also be subject to these General Conditions. "Client" refers to the person or business entity ordering the work to be done by Rubino Engineering, Inc. If Client is ordering the work on behalf of another, Client represents and warrants that it is the duly authorized agent of said party for the purpose of ordering and directing said work. Unless otherwise stated in writing, Client assumes sole responsibility for determining whether the quantity and the nature of the work ordered by the Client is adequate and sufficient for Client's intended purpose. Client shall communicate these General Conditions to each and every third party to whom Client transmits any part of Rubino Engineering, Inc.'s work. Rubino Engineering, Inc. shall have no duty or obligation to any third party greater than that set forth in Rubino Engineering, Inc.'s proposal, Client's acceptance thereof and these General Conditions. The ordering of work from Rubino Engineering, Inc., or the reliance on any of Rubino Engineering, Inc.'s work, shall constitute acceptance of the terms of Rubino Engineering, Inc.'s proposal and these General Conditions, regardless of the terms of any subsequently issued document.

**2. TESTS AND INSPECTIONS:** Client shall cause all tests and inspection of the site, materials and work performed by Rubino Engineering, Inc. or others to be timely and properly performed in accordance with the plans, specifications and contract documents and Rubino Engineering, Inc.'s recommendations. No claims for loss, damage or injury shall be brought against Rubino Engineering, Inc. by Client or any third party unless all tests and inspections have been so performed and unless Rubino Engineering, Inc.'s recommendations have been followed. Client agrees to indemnify, defend and hold RUBINO ENGINEERING, INC., its officers, employees and agents harmless from any and all claims, suits, losses, costs and expenses, including, but not limited to, court costs and reasonable attorney's fees in the event that all such tests and inspections are not so performed or Rubino Engineering, Inc.'s recommendations are not so followed except to the extent that such failure is the result of the negligence, willful or wanton act of omission of Rubino Engineering, Inc., its officers, agents or employees, subject to the limitation contained in paragraph 9.

**3. SCHEDULING OF WORK:** The services set forth in Rubino Engineering, Inc.'s proposal and Client's acceptance will be accomplished in a timely, workmanlike and professional manner by RUBINO ENGINEERING, INC. personnel at the prices quoted. If Rubino Engineering, Inc. is required to delay commencement of the work or if, upon embarking upon its work, Rubino Engineering, Inc. is required to stop or interrupt the progress of its work as a result of changes in the scope of the work requested by Client, to fulfill the requirements of third parties, interruptions in the progress of construction, or other causes beyond the direct reasonable control of Rubino Engineering, Inc., additional charges will be applicable and payable by Client.

**4. ACCESS TO SITE:** Client will arrange and provide such access to the site as is necessary for Rubino Engineering, Inc. to perform the work. Rubino Engineering, Inc. shall take reasonable measures and precautions to minimize damage to the site and any improvements located thereon as the result of its work or the use of its equipment; however, Rubino Engineering, Inc. has not included in its fee the cost of restoration of damage which may occur. If Client desires or requires Rubino Engineering, Inc. to restore the site to its former condition, upon written request Rubino Engineering, Inc. will perform such additional work as is necessary to do so and Client agrees to pay Rubino Engineering, Inc. for the cost.

**5. CLIENT'S DUTY TO NOTIFY ENGINEER:** Client represents and warrants that it has advised Rubino Engineering, Inc. of any known or suspected hazardous materials, utility lines and pollutants at any site at which Rubino Engineering, Inc. is to do work hereunder, and unless Rubino Engineering, Inc. has assumed in writing the responsibility of locating subsurface objects, structures, lines or conduits. Client agrees to defend, indemnify and save Rubino Engineering, Inc. harmless from all claims, suits, losses costs and expenses, including reasonable attorney's fees as a result of personal injury, death or property damage occurring with respect to Rubino Engineering, Inc.'s performance of its work and resulting to or caused by contact with subsurface of latent objects, structures, lines or conduits where the actual or potential presence and location thereof were not revealed to Rubino Engineering, Inc. by Client.

**6. RESPONSIBILITY:** Rubino Engineering, Inc.'s work shall not include determining, supervising or implementing the means, methods, techniques, sequences or procedures of construction. Rubino Engineering, Inc. shall not be responsible for evaluating, reporting or affecting job conditions concerning health, safety or welfare. Rubino Engineering, Inc.'s work or failure to perform same shall not in any way excuse any contractor, subcontractor or supplier from performance of its work in accordance with the contract documents. Rubino Engineering, Inc. has no right or duty to stop the contractor's work.

**7. SAMPLE DISPOSAL:** Unless otherwise agreed in writing, test specimens or samples will be disposed immediately upon completion of the test. All drilling samples or specimens will be disposed sixty (60) days after submission of Rubino Engineering, Inc.'s report.

**8. PAYMENT:** Client shall be invoiced once each month for work performed during the preceding period. Client agrees to pay each invoice within thirty (30) days of its receipt. Client further agrees to pay interest on all amounts invoiced and not paid or objected to for valid cause in writing with said thirty (30) day period at the rate of eighteen (18) percent per annum (or the maximum interest rate permitted under applicable law), until paid. Client agrees to pay Rubino Engineering, Inc.'s cost of collection of all amounts due and unpaid after sixty (60) days, including court costs and reasonable attorney's fees. Rubino Engineering, Inc. shall not be bound by any provision or agreement requiring or providing for arbitration or disputes or controversies arising out of this agreement, any provision wherein Rubino Engineering, Inc. waives any rights to a mechanics' lien, or any provision conditioning Rubino Engineering, Inc.'s right to receive payment for its work upon payment to Client by any third party. These General Conditions are notice, where required, that Rubino Engineering, Inc. shall file a lien whenever necessary to collect past due amounts. Failure to make payment within thirty (30) days of invoice shall constitute a release of Rubino Engineering, Inc. from any and all claims which Client may have, whether in tort, contract or otherwise and whether known or unknown at the time.

**9. WARRANTY:** RUBINO ENGINEERING, INC.'S SERVICES WILL BE PERFORMED, ITS FINDINGS OBTAINED AND ITS REPORTS PREPARED IN ACCORDANCE WITH ITS PROPOSAL, CLIENT'S ACCEPTANCE THEREOF, THESE GENERAL CONDITIONS AND WITH GENERALLY ACCEPTED PRINCIPLES AND PRACTICES. IN PERFORMING ITS PROFESSIONAL SERVICES, RUBINO ENGINEERING, INC. WILL USE THAT DEGREE OF CARE AND SKILL ORDINARILY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY MEMBERS OF ITS PROFESSION. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES OR REPRESENTATIONS, EITHER EXPRESSED OR IMPLIED. STATEMENTS MADE IN RUBINO ENGINEERING, INC. REPORTS ARE OPINIONS BASED UPON ENGINEERING JUDGMENT AND ARE NOT TO BE CONSTRUED AS REPRESENTATIONS OF FACT.

SHOULD RUBINO ENGINEERING, INC. OR ANY OF ITS PROFESSIONAL EMPLOYEES BE FOUND TO HAVE BEEN NEGLIGENT IN THE PERFORMANCE OF ITS WORK, OR TO HAVE MADE AND BREACHED ANY EXPRESSED OR IMPLIED WARRANTY, REPRESENTATION OR CONTRACT, CLIENT, ALL PARTIES CLAIMING THROUGH CLIENT AND ALL PARTIES CLAIMING TO HAVE IN ANY WAY RELIED UPON RUBINO ENGINEERING, INC.'S WORK, AGREE THAT THE MAXIMUM AGGREGATE AMOUNT OF THE LIABILITY OF RUBINO ENGINEERING, INC., ITS OFFICERS, EMPLOYEES AND AGENTS SHALL BE LIMITED TO \$10,000.00 OR THE TOTAL AMOUNT OF THE FEE PAID TO RUBINO ENGINEERING, INC. FOR ITS WORK PERFORMED WITH RESPECT TO THE PROJECT, WHICHEVER AMOUNT IS GREATER.

NO ACTION OR CLAIM, WHETHER IN TORT, CONTRACT OR OTHERWISE, MAY BE BROUGHT AGAINST RUBINO ENGINEERING, INC., ARISING FROM OR RELATED TO RUBINO ENGINEERING, INC.'S WORK, MORE THAN TWO (2) YEARS AFTER THE CESSATION OF RUBINO ENGINEERING, INC.'S WORK HEREUNDER.

**10. INDEMNITY:** Subject to the foregoing limitations, Rubino Engineering, Inc. agrees to indemnify and hold Client harmless from and against any and all claims, suits, costs and expenses including reasonable attorney's fees and court costs arising out of Rubino Engineering, Inc.'s negligence to the extent of RUBINO ENGINEERING, INC.'s negligence. Client shall provide the same protection to the extent of its negligence. In the event that Client or Client's principal shall bring any suit, cause of action, claim or counterclaim against Rubino Engineering, Inc., the party initiating such action shall pay to Rubino Engineering, Inc. the costs and expenses incurred by Rubino Engineering, Inc. to investigate, answer and defend it, including reasonable attorney's and witness fees and court costs to the extent that Rubino Engineering, Inc. shall prevail in such suit.

**11. TERMINATION:** This Agreement may be terminated by either party upon seven (7) days' prior written notice. In the event of termination, Rubino Engineering, Inc. shall be compensated by Client for all services performed up to and including the termination date, including reimbursable expenses and for the completion of such services and records as are necessary to place Rubino Engineering, Inc.'s files in order and/or protect its professional reputation.

**12. EMPLOYEES/WITNESS FEES:** Rubino Engineering, Inc.'s employees shall not be retained as expert witnesses except by separate written agreement. Client agrees to pay Rubino Engineering, Inc.'s legal expenses, administrative costs and fees pursuant to Rubino Engineering, Inc.'s then current fee schedule for Rubino Engineering, Inc. to respond to any subpoena. Client agrees not to hire Rubino Engineering, Inc.'s employees except through Rubino Engineering, Inc. In the event Client hires a Rubino Engineering, Inc. employee, Client shall pay Rubino Engineering, Inc. an amount equal to one-half of the employee's annualized salary, with Rubino Engineering, Inc. waiving other remedies it may have.

**13. HAZARDOUS MATERIALS:** Nothing contained within this agreement shall be construed or interpreted as requiring Rubino Engineering, Inc. to assume the status of an owner, operator, generator, storer, transporter, treator or disposal facility as those terms appear within RCRA of within any Federal or State statute or regulation governing the generation, transportation, treatment, storage and disposal of pollutants. Client assumes full responsibility for compliance with the provisions of RCRA and any other Federal or State statute or regulation governing the handling, treatment, storage and disposal of pollutants.

**14. PROVISIONS SEVERABLE:** The parties have entered into this agreement in good faith and it is the specific intent of the parties that the terms of the General Conditions be enforced as written. In the event any of the provisions of these General Conditions should be found to be unenforceable, it shall be stricken and the remaining provisions shall be enforceable.

**15. ENTIRE AGREEMENT:** This agreement constitutes the entire understanding of the parties, and there are no representations, warranties or undertakings made other than as set forth herein. This agreement may be amended, modified or terminated only in writing, signed by each of the parties hereto.



## **Exhibit F**

### **Construction Engineering Scope of Work**

The following is a description of the related construction engineering activities as referenced in paragraph 1, The Engineer Agrees, in the BLR 05611 to which this exhibit is attached.

HR Green, Inc. anticipates this project to begin approximately September 1, 2015 and will be completed by November 15, 2015. The man-hours required for construction observation were based upon the time required to monitor the project and that the contractor will complete the project by the contract specified deadline. Any additional work due to an extended schedule dictated by the contractor's performance or unanticipated work due to site conditions shall warrant a contract addendum.

The following is a breakdown of the various tasks associated with the construction observation which will be completed by HR Green, Inc.:

#### **A. Start Up**

HR Green will complete a preconstruction video of the proposed construction area to document the existing conditions prior to the start of construction. HR Green will also utilize this time to prepare its filing system to IDOT contract documentation standards and incorporate IDOT's ICORS construction management software project specific information into HR Green's computer system.

The project startup also allows HR Green time to review the plans and specification prior to the start of the project, attend preconstruction meeting with the contractor and the City of Aurora. HR Green will coordinate with the City of Aurora to ensure that all governmental entities are aware of the project details and any impacts that the project may create.

HR Green will mark, measure and document contract removal payment items prior to the contractor starting work.

HR Green anticipates a Construction Engineer will be onsite for approximately forty (40) hours to complete the above noted coordination and construction preparation. A total of a total of forty (40) hours have been allotted to complete the project start up.

## **B. Construction Observation**

HR Green will provide Construction Observation Services on a time and material, not-to-exceed contract amount basis. HR Green will be on-site to observe and verify that items being constructed and materials being utilized are in general conformance with the approved plans and specifications and the Illinois Department of Transportation Standard Specifications for Road and Bridge Construction.

HR Green will complete Inspector's Daily Reports (IDRs) and a daily diary, measure and document contract quantities, complete payment estimates, change orders, and weekly reports. Weekly reports will be submitted to the contractor, IDOT and the City of Aurora. HR Green will verify that all materials incorporated into this project are IDOT approved and evidence of material inspection is in compliance with the Project Procedures Guide and Special Provisions of this contract. HR Green shall keep IDOT and the City of Aurora informed as to the progress of construction.

A total of two hundred (200) hours have been allotted for daily field construction observation for this project.

## **C. Meetings**

HR Green will attend the preconstruction meeting at IDOT with the City of Aurora, the contractor and subcontractors. HR Green anticipates that there will be three additional construction progress meetings on site with the contractor and the Village. A total of nineteen (19) hours have been allotted for the Principal, Senior Project Manager and Construction Engineer to attend the IDOT preconstruction meeting and the Construction Engineer and Senior Project Manager to attend construction progress meetings, to complete construction meeting agendas, construction meeting minutes and administrative support to review construction progress meeting agendas and meeting minutes.

## **D. Administration/Coordination**

This task will involve the oversight of the project by management, which will include the on-going review of the project execution, documentation, schedule and budget, contract file management, and general

correspondence between HR Green, City of Aurora, the contractor, and subcontractors. HR Green has allotted thirty two (32) hours for the Senior Project Manager and administrative support for the project.

#### **E. Project Close Out**

HR Green anticipates approximately seventy (70) hours for completing the project closeout and final documentation for this project. This task includes the preparation of final job records in accordance with IDOT policy. All quantity measurements and calculations will be checked and cross referenced, evidence of material inspection will be finalized, ICORS forms will be printed and bound, and field books and records will be indexed and boxed for final submittal.

#### **F. Material Testing**

Rubino Engineering will provide the Quality Assurance Material Testing Service for this project. Quality Assurance testing for asphalt and concrete shall be completed in accordance with IDOT QC/QA requirements. Geotechnical Services shall be provided on an as needed basis. See Exhibit E for a breakdown of Rubino's anticipated costs.

#### **Disclaimer**

HR Green shall not supervise, direct or have any control over the contractor's work. HR Green shall not have any responsibility for the construction means, methods, techniques, sequences or procedures selected by the contractor. Also, HR Green is not responsible for the contractor's safety precautions or programs in connection with this work. These rights and responsibilities are solely those of the contractor.

HR Green shall not be responsible for any acts or omissions of the contractor, subcontractor or any entity performing any portion of the work, or any agents or employees of any of them. HR Green does not guarantee the performance of the contractor and shall not be responsible for the contractor's failure to perform its work in accordance with the contract drawings and documents.



HRGreen

**Exhibit G**

**PROJECT SCHEDULE FOR CONSTRUCTION ENGINEERING SERVICES**

West Indian Trail  
Section No.: 15-00305-00RS  
Project No.: M-4003(524)  
Job No.: C-91-344-12

Anticipated Construction Engineering Start Date: September 1, 2015  
Anticipated Construction Engineering Completion Date: November 15, 2015

HRGreen.com

Phone 815.385.1778 Fax 815.385.1781 Toll Free 800.728.7805  
420 North Front Street, Suite 100, McHenry, Illinois 60050



**Illinois Department  
of Transportation**

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

John Fortman  
Deputy Director Division of Highways  
Regional Engineer  
Department of Transportation  
201 West Center Court  
Schaumburg, Illinois 60196-1096

County Kane  
Municipality Aurora  
Section 15-00305-00-RS  
Route FAU 153  
Contract No. \_\_\_\_\_  
Job No. C-91-344-15  
Project M-4003(524)

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

\_\_\_\_\_  
Date Signature and Title (for the Local Public Agency)

Christopher Bigall  
Applicants Name (Type or Print)

The following describes my educational background, experience and other qualifications to be resident construction supervisor of this construction project for the Local Public Agency.  
For Consultants: I certify that my firm is prequalified in Construction Inspection and my Documentation of Contract Quantities certificate number is 14-0282.

**Education:**

B.S. Civil Engineering - Structural Emphasis, Southern Illinois University  
P.E.  
IDOT Documentation of Contract Quantities  
PCC Level I, II  
HMA Level I  
Aggregate Technician Course  
STTP-S33 Soils Field Testing and Inspection Course  
ADA/PROWAG Training Certification

**Experience:**

2014/2015-Indian Trail Road Bridge-63863  
2012/2013-Miller Road Bridge-63633  
2012-Milwaukee Ave. Streetscape-63622  
2010/2011-Thompson Road Bridge-63409  
2009/2010-Milwaukee Ave. in Niles-63094

5/8/2015

Date

Signature of Applicant

Construction Engineer II

Job Title of Applicant

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

Approved \_\_\_\_\_

Date

Deputy Director Division of Highways Regional Engineer

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