


Municipality Lake County Div. of Transportation	L O C A L A G E N C Y	 Illinois Department of Transportation Preliminary Engineering Services Agreement For Motor Fuel Tax Funds	C O N S U L T A N T	Name McClure Engineering Assocs., Inc
Township Newport				Address 2728 Grand Avenue
County Lake				City Waukegan
Section 09-00999-08-GM				State Illinois

THIS AGREEMENT is made and entered into this 14th day of April, 2009 between the above Local Agency (LA) and Consultant (ENGINEER) and covers certain professional engineering services in connection with the improvement of the above SECTION. Motor Fuel Tax Funds, allotted to the LA by the State of Illinois under the general supervision of the State Department of Transportation, hereinafter called the "DEPARTMENT", will be used entirely or in part to finance ENGINEERING services as described under AGREEMENT PROVISIONS.

Section Description

Name 21st Street Retaining Wall and Russell Road Retaining Wall Rehabilitation

Route CH 67 Length --- Mi. 200 FT (Structure No.)
CH 19 --- 500 FT

Termini West 21st St. Over Des Plaines River Tributary 0.3 Miles East of Delany Rd and Russell Rd East of Lewis Ave

Description: Prepare plans, specifications, estimate of cost, and permit applications for retaining wall rehabilitation in accordance with Exhibit A, Scope of Services, Design Schedule, LRS11 and Survey Procedures attached hereto and made a part hereof.

Agreement Provisions

The Engineer Agrees,

1. To perform or be responsible for the performance of the following engineering services for the LA, in connection with the proposed improvements herein before described, and checked below:
 - a. Make such detailed surveys as are necessary for the preparation of detailed roadway plans
 - b. Make stream and flood plain hydraulic surveys and gather high water data, and flood histories for the preparation of detailed bridge plans.
 - c. Make or cause to be made such soil surveys or subsurface investigations including borings and soil profiles and analyses thereof as may be required to furnish sufficient data for the design of the proposed improvement. Such investigations are to be made in accordance with the current requirements of the DEPARTMENT.
 - d. Make or cause to be made such traffic studies and counts and special intersection studies as may be required to furnish sufficient data for the design of the proposed improvement.
 - e. Prepare Army Corps of Engineers Permit, Lake County Stormwater Management Commission Permit, Department of Natural Resources-Office of Water Resources Permit, Bridge waterway sketch, and/or Channel Change sketch, Utility plan and locations, and Railroad Crossing work agreements.
 - f. Prepare Preliminary Bridge design and Hydraulic Report, (including economic analysis of bridge or culvert types) and high water effects on roadway overflows and bridge approaches.
 - g. Make complete general and detailed plans, special provisions, proposals and estimates of cost and furnish the LA with one (1) copy of each document in both hardcopy and electronic format. Additional copies of any or all documents, if required, shall be furnished to the LA by the ENGINEER at his actual cost for reproduction.
 - h. Furnish the LA with survey and drafts in duplicate of all necessary right-of-way dedications, construction easement and borrow pit and channel change agreements including prints of the corresponding plats and staking as required.
 - i. Assist the LA in the tabulation and interpretation of the contractors' proposals

3. That payments due the ENGINEER for services rendered in accordance with this AGREEMENT will be made as soon as practicable after the services have been performed in accordance with the following schedule:
 - a. Upon completion of detailed plans, special provisions, proposals and estimate of cost - being the work required by paragraphs 1a through 1g under THE ENGINEER AGREES - to the satisfaction of the LA and their approval by the DEPARTMENT, 90 percent of the total fee due under this AGREEMENT based on the approved estimate of cost.
 - b. Upon award of the contract for the improvement by the LA and its approval by the DEPARTMENT, 100 percent of the total fee due under the AGREEMENT based on the awarded contract cost, less any amounts paid under "a" above.

By Mutual agreement, partial payments, not to exceed 90 percent of the amount earned, may be made from time to time as the work progresses. MONTHLY INVOICING

4. That, should the improvement be abandoned at any time after the ENGINEER has performed any part of the services provided for in paragraphs 1a, through 1h and prior to the completion of such services, the LA shall reimburse the ENGINEER for his actual costs plus 115 percent incurred up to the time he is notified in writing of such abandonment - "actual cost" being defined as in paragraph 2 of THE LA AGREES.
5. That, should the LA require changes in any of the detailed plans, specifications or estimates except for those required pursuant to paragraph 4 of THE ENGINEER AGREES, after they have been approved by the DEPARTMENT, the LA will pay the ENGINEER for such changes on the basis of actual cost plus 115 percent to cover profit, overhead and readiness to serve - "actual cost" being defined as in paragraph 2 of THE LA AGREES. It is understood that "changes" as used in this paragraph shall in no way relieve the ENGINEER of his responsibility to prepare a complete and adequate set of plans and specifications.

It is Mutually Agreed,

1. That any difference between the ENGINEER and the LA concerning their 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.
2. This AGREEMENT may be terminated by the LA upon giving notice in writing to the ENGINEER at his last known post office address. Upon such termination, the ENGINEER shall cause to be delivered to the LA all surveys, permits, agreements, preliminary bridge design & hydraulic report, drawings, specifications, partial and completed estimates and data, if any from traffic studies and soil survey and subsurface investigations with the understanding that all such material becomes the property of the LA. The ENGINEER shall be paid for any services completed and any services partially completed in accordance with Section 4 of THE LA AGREES.
3. That if the contract for construction has not been awarded one year after the acceptance of the plans by the LA and their approval by the DEPARTMENT, the LA will pay the ENGINEER the balance of the engineering fee due to make 100 percent of the total fees due under this AGREEMENT, based on the estimate of cost as prepared by the ENGINEER and approved by the LA and the DEPARTMENT.
4. That the ENGINEER warrants that he/she has not employed or retained any company or person, other than a bona fide employee working solely for the ENGINEER, to solicit or secure this contract, and that he/she has not paid or agreed to pay any company or person, other than a bona fide employee working solely for the ENGINEER, any fee, commission, percentage, brokerage fee, gifts or any other consideration, contingent upon or resulting from the award or making of this contract. For Breach or violation of this warranty the LA shall have the right to annul this contract without liability.

j. Prepare the necessary environmental documents in accordance with the procedures adopted by the DEPARTMENT's Bureau of Local Roads & Streets.

k. Prepare the Project Development Report when required by the DEPARTMENT.

(2) That all reports, plans, plats and special provisions to be furnished by the ENGINEER pursuant to the AGREEMENT, will be in accordance with current standard specifications and policies of the LA and of the DEPARTMENT. It is being understood that all such reports, plats, plans and drafts shall, before being finally accepted, be subject to approval by the LA and the DEPARTMENT.

(3) To attend conferences at any reasonable time when requested to do so by representatives of the LA or the Department.

(4) In the event plans or surveys are found to be in error during construction of the SECTION and revisions of the plans or survey corrections are necessary, the ENGINEER agrees that he will perform such work without expense to the LA, even though final payment has been received by him. He shall give immediate attention to these changes so there will be a minimum delay to the Contractor.

(5) That basic survey notes and sketches, charts, computations and other data prepared or obtained by the Engineer pursuant to this AGREEMENT will be made available, upon request, to the LA or the DEPARTMENT without cost and without restriction or limitations as to their use.

(6) That all plans and other documents furnished by the ENGINEER pursuant to this AGREEMENT will be endorsed by him and will show his professional seal where such is required by law.

The LA Agrees,

1. To pay the ENGINEER as compensation for all services performed as stipulated in paragraphs 1a, 1g, 1i, 2, 3, 5 and 6 in accordance with one of the following methods indicated by a check mark:

a. A sum of money equal to _____ percent of the awarded contract cost of the proposed improvement as approved by the DEPARTMENT.

b. A sum of money equal to the percent of the awarded contract cost for the proposed improvement as approved by the DEPARTMENT based on the following schedule:

Schedule for Percentages Based on Awarded Contract Cost

Awarded Cost	Percentage Fees	(see note)
Under \$50,000	_____	%
	_____	%
	_____	%
	_____	%
	_____	%

Note: Not necessarily a percentage. Could use per diem, cost-plus or lump sum.

2. To pay for services stipulated in paragraphs 1a, 1c, 1g of the ENGINEER AGREES at actual cost of performing such work plus 115 percent to cover profit, overhead and readiness to serve - "actual cost" being defined as material cost plus payrolls, insurance, social security and retirement deductions. Traveling and other out-of-pocket expenses will be reimbursed to the ENGINEER at his actual cost. Subject to the approval of the LA, the ENGINEER may sublet all or part of the services provided under the paragraph 1c. If the ENGINEER sublets all or part of this work, the LA will pay the cost to the ENGINEER plus a five (5) percent service charge.

"Cost to Engineer" to be verified by furnishing the LA and the DEPARTMENT copies of invoices from the party doing the work. The classifications of the employees used in the work should be consistent with the employee classifications for the services performed. If the personnel of the firm, including the Principal Engineer, perform routine services that should normally be performed by lesser-salaried personnel, the wage rate billed for such services shall be commensurate with the work performed.

The Total Not-to-Exceed Contract Amount shall be \$75,727.85.

IN WITNESS WHEREOF, the parties have caused the AGREEMENT to be executed in quadruplicate counterparts, each of which shall be considered as an original by their duly authorized officers.

Executed by the LA:

County of Lake of the
(Municipality/Township/County)

ATTEST:

State of Illinois, acting by and through its

By _____

LAKE COUNTY Clerk
(Seal)

By _____
Title _____

Executed by the ENGINEER:

ATTEST:

By *Larry F. Johnson*
LARRY F. JOHNSON, P.E.
Title PRESIDENT/CEO

By *Harlan M. Doland*
HARLAN M. DOLAND, P.E., P.L.S.
Title DIVISION MANAGER/VICE PRESIDENT

Approved

Date
Department of Transportation

Regional Engineer

Exhibit A
Preliminary Engineering

Route: _____
Local Agency: LAKE
 (Municipality/Township/County)
 Section: _____
Project: 21st Street Retaining Wall Rehab.
Job No.: _____

*Firm's approved rates on file with
 IDOT's Bureau of Accounting and
 Auditing:
 Payroll Burden & Fringe Rate 93.16%
 Overhead & Expense Rate 95.98%
 Complexity Factor 0.035

Cost Estimate of Consultant's Services in Dollars

Element of Work	Employee Classification	Man-Hours	Pay-Roll Rate	Pay-Roll Costs	Payroll Burden & Fringe Costs	Overhead and Expenses*	Profit	Total
Surveys, Plans, Specifications, Estimate								
DATA COLLECTION	STRUCTURAL ENG.	8	47.00	\$376.00	\$350.28	\$360.88	\$163.07	\$1,250.23
	CIVIL ENG.	8	34.99	\$279.92	\$260.77	\$268.67	\$121.40	\$930.76
SURVEYS	PARTY CHIEF	16	33.13	\$530.08	\$493.82	\$508.77	\$229.90	\$1,762.57
	INST. OPERATOR	16	24.40	\$390.40	\$363.70	\$374.71	\$169.32	\$1,298.13
	CADD TECH.	16	26.55	\$424.80	\$395.74	\$407.72	\$184.24	\$1,412.50
SOIL BORINGS	SUBCONTRACTOR							\$2,945.00
WETLAND DELINEATION	SUBCONTRACTOR							\$2,350.00
ARMY CORP.S PERMIT	SUBCONTRACTOR							\$1,675.00
DESIGN								
	CIVIL ENG.	16	34.99	\$559.84	\$521.55	\$537.33	\$242.81	\$1,861.53
	STRUCTURAL ENG.	32	47.00	\$1,504.00	\$1,401.13	\$1,443.54	\$652.30	\$5,000.97
	CADD TECH.	32	26.55	\$849.60	\$791.49	\$815.45	\$368.48	\$2,825.02
PLANS, SPECS., ESTIMATE OF COST								
	CIVIL ENG.	40	34.99	\$1,399.60	\$1,303.87	\$1,343.34	\$607.02	\$4,653.83
	STRUCTURAL ENG.	20	47.00	\$940.00	\$875.70	\$902.21	\$407.69	\$3,125.60
	CADD TECH.	40	26.55	\$1,062.00	\$989.36	\$1,019.31	\$460.60	\$3,531.27
REVIEW AGENCY COORDINATION								
	CIVIL ENG.	16	34.99	\$559.84	\$521.55	\$537.33	\$242.81	\$1,861.53
PROJECT MANAGEMENT								
	PRINCIPAL	8	62.55	\$500.40	\$466.17	\$480.28	\$217.03	\$1,663.88
TRANSPORTATION AND OUT OF POCKET								
	ALLOWANCE							\$1,000.00
Totals		268		\$9,376.48	\$8,735.13	\$8,999.54	\$4,066.67	\$39,147.82

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McCLURE ENGINEERING ASSOCIATES, INC.
ACTIVE PERSONNEL CATEGORY LISTINGS
REPORT: EMPLOYEE CLASSIFICATION LIST

DATE: 08/05/08

<u>CLASSIFICATIONS</u>	<u>AVERAGE HR. RATE</u>
PRINCIPAL	62.55
LICENSED STRUCTURAL ENGINEER	47.00
PROJECT MANAGER	48.24
PROF. LAND SURVEYOR	38.06
PROFESSIONAL CIVIL ENGINEER	34.99
SURVEY PARTY CHIEF	33.13
SURVEY INSTRUMENT OPERATOR	24.40
ENGINEER TECHNICIAN	26.55
DRAFTERS/CADD	26.55
ENGR. INTERN/SURVEY INTERN	25.80
CLERICAL	20.08
SURVEY TECHNICIAN	18.37

Note: Annual salary adjustments (raises) are given on anniversary dates through out the year.
Salary adjustments generally average 5% annually.

LAKE COUNTY
 DIVISION OF TRANSPORTATION
 21ST STREET RETAINING WALL REHABILITATION
 SCOPE OF SERVICES
 MANHOURS PROJECTIONS
 PRELIMINARY ENGINEERING

TASK 1

Data Collection

1. Data Collection		4
2. Initial Field Inspection		8
3. Meetings with Lake County Division of Transportation		<u>4</u>
	Total Task 1	16

TASK 2

Surveys

1. Topographic Survey		<u>48</u>
	Total Task 2	48

TASK 3

1. Soil Borings (By Subcontractor)	Allowance	\$2945
	Total Task 3	\$2945

TASK 4

1. Wetland Delineation (By Subcontractor)	Allowance	\$2350
2. Army Corps Permit Processing (By Subcontractor)	Allowance	\$1675
	Total Task 4	\$4025

TASK 5

Design

1. Structural Design Calculations	24
2. Prepare Plan Profile of Wall Improvements	40
3. Prepare Site Erosion Control/Restoration Plan	8
4. Prepare Traffic Control Plan	<u>8</u>
Total Task 5	80

TASK 6

Plans, Specifications, Estimate of Cost

1. Prepare Plans	60
2. Prepare Specifications	16
3. Prepare Quantities	16
4. Prepare Estimate of Cost	<u>8</u>
Total Task 6	100

TASK 7

Local Agency Coordination

1. Coordination with LCDOT	8
2. Coordination with LCSMC	<u>8</u>
Total Task 7	16

TASK 8

Project Management and Administration

8

Total Task 8

8

Total Manhours

268

McCLURE ENGINEERING ASSOCIATES, INC.
SCOPE OF SERVICES
TRAVELING AND OUT-OF-POCKET EXPENSES

<u>Item</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Total</u>
Copies (8½ x 11)	2,500 Each	\$0.20	\$ 500.00
Bluelines/Sepias/Prints (24 x 36)	200 Each	\$2.00	\$ 400.00
UPS*	1	Lump Sum	<u>\$ 100.00</u>
TOTAL			\$1,000.00

*Lump sum allowance since UPS will be based on weight and size of item shipped throughout the project.

**SOIL AND MATERIAL CONSULTANTS, INC.**

office: 1-847-870-0544
fax: 1-847-870-0661
www.soilandmaterialconsultants.com
us@soilandmaterialconsultants.com

March 2, 2009
Proposal No. 11,084

Mr. Harlan M. Doland
McClure Engineering Associates, Inc.
2728 Grand Avenue
Waukegan, IL 60085

Re: Geotechnical Investigation
Retaining Wall - 21st Street
East of Delaney Road
Lake County, Illinois

Dear Mr. Doland:

Submitted for your consideration is our proposal to provide the requested subsurface soil investigation, engineering evaluation and report for the above referenced improvements. Our services will be provided in accordance with the guidelines stated below.

Field Investigation

We propose the layout of 4 borings at the requested locations and in areas accessible to our truck mounted drilling equipment. We will contact JULIE for location of public utilities.

The borings will be power auger drilled and soils sampled using a split barrel sampler at intervals of 2.5 feet within 15.0 feet of the surface and at intervals of 5.0 feet below this depth. The proposed borings will extend to minimum depths of 30.0 feet. Additional boring depth and sampling may be provided based on soil conditions encountered.

Laboratory Testing

Soil samples will be returned to our laboratory for review and tested to determine moisture content. Competent samples of cohesive soils will be tested further to determine dry unit weight and unconfined compressive strength. Additional testing may be needed based on the results of the field investigation and laboratory testing.

Engineering Evaluation Report

The field investigation and laboratory testing will be completed under the direction of a Registered Professional Engineer. Preliminary information will be available upon request. Upon completion of the investigation an engineering evaluation will be completed and a report prepared. The report will present our findings and appropriate recommendations.

8 WEST COLLEGE DRIVE • ARLINGTON HEIGHTS, IL 60004

SOIL BORINGS • SITE INVESTIGATIONS • PAVEMENT INVESTIGATIONS • GEOTECHNICAL ENGINEERING
TESTING OF • SOIL • ASPHALT • CONCRETE • MORTAR • STEEL

Proposal No. 11,084
Re: Retaining Wall - 21st Street
East of Delaney Road
Lake County, Illinois

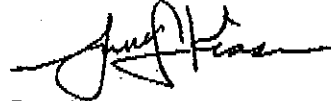
Charges

Our unit charges and the estimated total cost for the investigation are indicated on the attached Schedule of Fees. Final billing will be based on this schedule. If additional services are requested that are beyond the scope of the proposed investigation, they will be provided at our established unit prices.

Your consideration of this proposal is appreciated. The attached General Conditions are understood to be part of this proposal. If acceptable, please execute and return one copy to our office. Should you have any questions concerning the scope of the investigation, please let us know.

Very truly yours,

SOIL AND MATERIAL CONSULTANTS, INC.



Gerald J. Kissner, P.E.
President

GJK:kg

Proposal Accepted By:

Client _____
Street _____
Town _____ State _____ Zip Code _____
Phone () _____ Fax () _____
Signature _____ Position _____
Printed Name _____ Date _____

Proposal No. 11,084
 Re: Retaining Wall - 21st Street
 East of Delaney Road
 Lake County, Illinois

SCHEDULE OF FEES -- SUBSURFACE SOIL INVESTIGATION

Field

Boring Layout	1 hr.	\$ 80.00 /hr.	\$ 80.00
Utility Location	1 hr.	\$ 80.00 /hr.	\$ 80.00
Mobilization	1	\$ Lump Sum	\$ 225.00
Drilling (4 at 30')	120 ft.	\$ 11.00 /ft.	\$ 1,320.00
Split Barrel Sampling	36 ea.	\$ 8.00 ea.	\$ 288.00

Laboratory

Moisture Content	36 ea.	\$ 3.00 ea.	\$ 108.00
Unit Weight	36 ea.	\$ 3.00 ea.	\$ 108.00
Unconfined Compressive Strength	36 ea.	\$ 6.00 ea.	\$ 216.00

Report

Senior Engineer (P.E.)	4 hr.	\$ 130.00 /hr.	\$ 520.00
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Estimated Total Cost: \$ 2,945.00

Proposal No. 11,084
 Re: Retaining Wall - 21st Street
 East of Delaney Road
 Lake County, Illinois

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TERMS AND CONDITIONS

Soil and Material Consultants, Inc. (SMC) scope of work defined in the proposal was based on information provided by the client. If incomplete, inaccurate or if unexpected site conditions are discovered, the scope of work may change.

GEOTECHNICAL INVESTIGATIONS

Client will furnish SMC with right-of-access to the site. SMC will take reasonable precautions to minimize site damage due to its operations, but has not included in the fee the cost of restoration of any resulting damage. SMC shall not be liable for damage or injury due to encountering subsurface structures (pipes, tanks, utilities or others) not called to SMC's attention in writing or are not correctly shown on the drawings furnished by client or client's representative. If the client desires, SMC will restore any damage to the site and add the cost of restoration to the fee.

Field work, laboratory testing and engineering analysis will be performed in accordance with generally accepted soil and foundation engineering practices. Samples are retained in our laboratory for 30 days from date of report and then destroyed unless other disposition is requested. The data reported applies only to the soils sampled and the conditions encountered at each boring location. This does not imply or guarantee that soils between borings will be identical in character. Isolated inclusions of better or poorer soils can be found on any site. SMC will not be liable for extra work or other consequences due to changed conditions encountered between borings.

Any exploration, testing and analysis associated with the investigation will be performed by SMC for the client's sole use to fulfill the purpose of this Agreement. SMC is not responsible for use or interpretation of the information by others. The client recognizes that subsurface conditions may vary from those encountered in borings or explorations. Information and recommendations developed by SMC are based solely on available information and for the currently proposed improvement.

Documents including but not limited to technical reports, original boring logs, field data, field notes, laboratory test data, calculations, reports of inspection and testing, geotechnical reports, technical reports, submittals and estimates furnished to the client or its agents pursuant to this agreement are not intended or represented to be suitable for reuse by the client or others on extensions of this project or on any other project. Any reuse without SMC's written consent will be at user's sole risk and without liability or legal exposure to SMC. User shall indemnify and hold harmless SMC from all claims, damages, losses and expenses including attorney's fees arising out of or resulting therefrom. To the maximum extent permitted by law, the Client agrees to limit SMC liability for clients' damages to \$100,000 or the fee, whichever is lesser. This limitation shall apply regardless of the cause of action or legal theory pled or asserted.

Soil and Material Consultants, Inc. is a Professional Engineering Corporation. Engineering services are often completed by extension through technical staff. The unit rates presented in this proposal do not reflect charges associated with organized labor. Future agreements, if any, with organized labor will invalidate some of the unit rates presented. Required rate adjustments will be presented to the client for acceptance prior to providing services at the adjusted rates.

Services are invoiced monthly for the preceding period. Client agrees to pay each invoice within thirty (30) days of receipt and further agrees to pay interest on all amounts not paid at the rate of 2.0% per month, an annual rate of 24%, from the due date. Client agrees to pay all reasonable costs of collection including staff time, court costs, Attorneys' fees and related expenses, if this account becomes delinquent. Client agrees that reports furnished to the client but not paid for in full remain the sole property of SMC and will not be used for design, construction, permits, licensing, sales or other gain.

TESTING SERVICES

Client shall furnish SMC with at least one working day's notice on any part-time (less than 8 hours/day) job when field personnel are requested. SMC shall make reasonable effort to provide field personnel in a timely manner but reserves the right to schedule field personnel as deemed appropriate. Minimum charges will be billed when work cancellations are received after field personnel have left for the project site.

SMC personnel will provide a professional service based on observations and testing of the work of a contractor, subcontractor, or other service/material provider, as specifically requested. SMC field personnel will look for general conformance with project specifications, plans and/or soil report but does not accept the responsibility to control or direct the work of others. Discrepancies noted by SMC office or field personnel will be referred to client or client's representative.

Testing Services furnished by SMC are defined as the taking of soil and/or material tests at various locations and the making of visual observations relating to earthwork, foundations, and/or materials as specifically requested by the client and agreed to by SMC, and will be limited to those specifically agreed services. Such services will be performed by SMC using that degree of care and skill ordinarily exercised, under similar circumstances, by reputable members of the profession practicing in this or similar localities.

Observations and testing of soils and/or materials by SMC in no way implies a guarantee or warranty of the work of the contractor, subcontractor, or other service/material provider. SMC's work or failure to perform same shall in no way excuse such contractor, subcontractor or other service/material provider from liability in the event of subsequently discovered defects, omissions, errors, deficiencies or failure to perform in accordance with the project plans and specifications. SMC field personnel shall not be responsible for superintendence of the construction process nor direction of the work of the contractor, subcontractor, or other service/material provider. SMC's work shall not include determining or implementing the means, methods, techniques, sequences or procedures of construction. SMC shall not be responsible for evaluating, reporting or affecting job conditions concerning health, safety or welfare.

PROPOSAL FOR ENVIRONMENTAL SERVICES
Wadsworth Area, ILLINOIS
21st Street Bridge

Ehorn Environmental is proposing the following environmental services for the stabilization of a road way and bridge across the Des Plaines River commonly known as the 21st Street Bridge. The existing bridge structure is in need of repair and the proposed repair may include the placement of sheet piles immediately adjacent to the existing wall.

It is known that wetlands and water of the United States exist on the site based upon initial maps available. The Des Plaines river is a federally navigable water and the repair action would have to be approved by the Corps of Engineers.

Maintenance or repair of serviceable structures is allowed by the Corps of Engineers as Regional Permit 9 within the existing regional permit system. The Corps requires the submittal of documentation of the proposed work in advance of any on site work. The documentation may include but not be limited to a wetland delineation, a permit application for the Regional Permit 9, engineering drawings with erosion control measures and a statement concerning the environmental impacts of the proposed project on the aquatic environment.

Scope of Services:

1. Wetland Delineation

If it is determined that wetlands or more extensive waters of the U.S. exist on the site, a wetland delineation report would be required.

Ehorn Environmental will prepare a wetland delineation report that satisfies the Corps of Engineers guidance for the wetland permit program and address current guidelines of the NRCS and State of Illinois. The wetland report will document the three parameters required including soils, vegetation and hydrology. Due to the site being an agricultural area, the report will have to be designed to address the NRCS requirements and data bases.

The wetland delineation report will be prepared by making field observations, staking the wetland perimeter and providing an initial estimate of the size of the wetland areas. The exact size of wetlands will be determined by a land surveyor and the client is responsible to assure that the survey is provided to Ehorn for completion of the wetland report. The land survey is not a part of the wetland delineation proposal or cost.

Ehorn will initiate the following reviews, however, the completion of the wetland delineation task is not premised on having the site cleared by the referenced agencies.

Initial coordination will be provided with the U.S. Fish and Wildlife Service and the Illinois Department of Natural Resources concerning Threatened or Endangered Species. If extended

consultation is required due the presence of threatened or endangered species, a revised scope of services associated with the consultation would be required to address State or Federal issues.

Initial coordination will be provided with the Illinois Historic Preservation Agency to clear the site. In some cases a site can be cleared without a formal archaeological study.

Modifications of the site boundary after the wetland delineation is completed to change the size of the parcel reviewed may lead to the imposition of an additional fee to review areas added to the site.

2. Permit Application Preparation and Submittal

Early coordination on the development plans assures that the first set of plans best reflects the current regulations. Therefore the client is encouraged to have a meeting with the engineers and Ehorn to review the site characteristics and establish a draft plan that avoids or reduces impacts to wetlands to the extent possible.

When informed by client that the permit process is to begin, Ehorn Environmental will prepare wetland related permit documents required by local, state and federal requirements and submit the application materials as a part of the overall submittal. The basis of the permit submittal will be a plan that is prepared by others with sufficient engineering, stormwater management, site grading plans showing wetland limits to support a permit decision. Ehorn Environmental will work with the planners and engineers to assure that sufficient background information is prepared to document avoidance, minimization and mitigation of wetlands.

A wetland permit application will be prepared for the developers preferred plan for the site. Any modifications to the plans that require a substantial revision to documents will require additional work and related costs to redevelop the permit submittals.

The permit application submittals will be provided to the required state and federal agencies. The package will include coordination for archaeological and historic reviews, and threatened and endangered species. It is anticipated that there will not be any requirement for threatened species coordination, however, an archaeological review may be required for the site and should be initiated as a separate item as noted in the cost proposal below.

A brief alternatives analysis and impact analysis will be provided for the project.

The project should not require any mitigation for impacts and should not require the establishment and protection of buffers.

FEES

The following costs are associated with the scope of services for the structural repair work on the 21st Street Bridge

- | | |
|---|------------|
| 1. Wetland Delineation | \$2,350.00 |
| Wetland delineation | |
| Early coordination | |
| Review of survey by others | |
| Field inspection of wetland limits
with permit authority if required | |
|
 | |
| 2. Permit Application Preparation | \$1,675.00 |
| Prepare documents | |
| Coordination of wetland engineering | |
| Meetings with client and permit authority | |
| Management plan | |

The fee for the wetland delineation is \$2,350 and this fee will be billed at the time the delineation report is provided. Payment of the fee is due within 30 days of the presentation of the invoice.

If the land survey is not completed by others within 15 days of having the wetlands flagged, the report will be submitted without the survey and will be invoiced. If the survey is conducted beyond the 15 day period and it is determined that flags are missing due to vandalism by others at the site, an addition fee will be charged to replace flags that are missing at the time of survey. If the survey is incorrect and needs to be re-done, any reflagging and meetings in the field to correct the survey is considered to be an additional cost.

Billing for permit services will be made on a monthly basis for services provided within the limits of this proposal. Payment is due within 30 days of presentation of the invoice. If additional services are required, the additional costs will be negotiated with the client prior to initiation of the additional work.

Archaeological survey services are conducted by others. Ehorn can provide the names of several consultants registered with the State if the survey is required.

Local agencies (villages and counties) assess fees for reviews of wetland delineations, site inspections and permits. The fees charged by these agencies are not part of this cost proposal. Fees would have to be paid by the proposed permittee and made directly to the reviewing agency.

Agreement:

By McClure Engineering

By Ehorn Environmental

Doug Ehorn

Date

Date

Exhibit A
Preliminary Engineering

Route: _____
 Local Agency: LAKE _____
 (Municipality/Township/County)
 Section: _____
 Project: Russell Road Retaining Wall Rehab.
 Job No.: _____

*Firm's approved rates on file with
 IDOT's Bureau of Accounting and
 Auditing:
 Payroll Burden & Fringe Rate 93.16%
 Overhead & Expense Rate 95.98%
 Complexity Factor 0.035

Cost Estimate of Consultant's Services in Dollars

Element of Work Surveys, Plans, Specifications, Estimate	Employee Classification	Man- Hours	Pay- Roll Rate	Pay- Roll Costs	Payroll Burden & Fringe Costs	Overhead and Expenses*	Profit	Total
DATA COLLECTION	STRUCTURAL ENG.	8	47.00	\$376.00	\$350.28	\$360.88	\$163.07	\$1,250.23
	CIVIL ENG.	8	34.99	\$279.92	\$260.77	\$268.67	\$121.40	\$930.76
SURVEYS	PARTY CHIEF	16	33.13	\$530.08	\$493.82	\$508.77	\$229.90	\$1,762.57
	INST. OPERATOR	16	24.40	\$390.40	\$363.70	\$374.71	\$169.32	\$1,298.13
	CADD TECH.	16	26.55	\$424.80	\$395.74	\$407.72	\$184.24	\$1,412.50
SOIL BORINGS	SUBCONTRACTOR							\$2,945.00
WETLAND DELINEATION	SUBCONTRACTOR							\$2,350.00
ARMY CORP.'S PERMIT	SUBCONTRACTOR							\$1,675.00
DESIGN	CIVIL ENG.	16	34.99	\$559.84	\$521.55	\$537.33	\$242.81	\$1,861.53
	STRUCTURAL ENG.	32	47.00	\$1,504.00	\$1,401.13	\$1,443.54	\$652.30	\$5,000.97
	CADD TECH.	32	26.55	\$849.60	\$791.49	\$815.45	\$368.48	\$2,825.02
PLANS, SPECS., ESTIMATE OF COST	CIVIL ENG.	32	34.99	\$1,119.68	\$1,043.09	\$1,074.67	\$485.62	\$3,723.06
	STRUCTURAL ENG.	20	47.00	\$940.00	\$875.70	\$902.21	\$407.69	\$3,125.60
	CADD TECH.	32	26.55	\$849.60	\$791.49	\$815.45	\$368.48	\$2,825.02
REVIEW AGENCY COORDINATION	CIVIL ENG.	8	34.99	\$279.92	\$260.77	\$268.67	\$121.40	\$930.76
PROJECT MANAGEMENT,	PRINCIPAL	8	62.55	\$500.40	\$466.17	\$480.28	\$217.03	\$1,663.88
TRANSPORTATION AND OUT OF POCKET	ALLOWANCE							\$1,000.00
Totals		244		\$8,604.24	\$8,015.71	\$8,268.35	\$3,731.74	\$36,580.03

A:\DOT0808

McCLURE ENGINEERING ASSOCIATES, INC.
ACTIVE PERSONNEL CATEGORY LISTINGS
REPORT: EMPLOYEE CLASSIFICATION LIST

DATE: 08/05/08

<u>CLASSIFICATIONS</u>	<u>AVERAGE HR. RATE</u>
PRINCIPAL	62.55
LICENSED STRUCTURAL ENGINEER	47.00
PROJECT MANAGER	48.24
PROF. LAND SURVEYOR	38.06
PROFESSIONAL CIVIL ENGINEER	34.99
SURVEY PARTY CHIEF	33.13
SURVEY INSTRUMENT OPERATOR	24.40
ENGINEER TECHNICIAN	26.55
DRAFTERS/CADD	26.55
ENGR. INTERN/SURVEY INTERN	25.80
CLERICAL	20.08
SURVEY TECHNICIAN	18.37

Note: Annual salary adjustments (raises) are given on anniversary dates through out the year.
Salary adjustments generally average 5% annually.

LAKE COUNTY
 DIVISION OF TRANSPORTATION
 RUSSELL ROAD RETAINING WALL REHABILITATION
 SCOPE OF SERVICES
 MANHOURS PROJECTIONS
 PRELIMINARY ENGINEERING

TASK 1

Data Collection

1. Data Collection		4
2. Initial Field Inspection		8
3. Meetings with Lake County Division of Transportation		<u>4</u>
	Total Task 1	16

TASK 2

Surveys

1. Topographic Survey		<u>48</u>
	Total Task 2	48

TASK 3

1. Soil Borings (By Subcontractor)	Allowance	\$2945
	Total Task 3	\$2945

TASK 4

1. Wetland Delineation (By Subcontractor)	Allowance	\$2350
2. Army Corps Permit Processing (By Subcontractor)	Allowance	\$1675
	Total Task 4	\$4025

TASK 5

Design

1. Structural Design Calculations	24
2. Prepare Plan Profile of Wall Improvements	40
3. Prepare Site Erosion Control/Restoration Plan	8
4. Prepare Traffic Control Plan	<u>8</u>
Total Task 5	80

TASK 6

Plans, Specifications, Estimate of Cost

1. Prepare Plans	40
2. Prepare Specifications	16
3. Prepare Quantities	16
4. Prepare Estimate of Cost	<u>12</u>
Total Task 6	84

TASK 7

Local Agency Coordination

1. Coordination with LCDOT	4
2. Coordination with LCSMC	<u>4</u>
Total Task 7	8

TASK 8

Project Management and Administration

8

Total Task 8

8

Total Manhours

244

McCLURE ENGINEERING ASSOCIATES, INC.
SCOPE OF SERVICES
TRAVELING AND OUT-OF-POCKET EXPENSES

<u>Item</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Total</u>
Copies (8½ x 11)	2,500 Each	\$0.20	\$ 500.00
Bluelines/Sepias/Prints (24 x 36)	200 Each	\$2.00	\$ 400.00
UPS*	1	Lump Sum	<u>\$ 100.00</u>
TOTAL			\$1,000.00

*Lump sum allowance since UPS will be based on weight and size of item shipped throughout the project.



office: 1-847-870-0544

fax: 1-847-870-0661

www.soilandmaterialconsultants.com

us@soilandmaterialconsultants.com

March 24, 2009
Proposal No. 11,112

Mr. Harlan M. Doland
McClure Engineering Associates, Inc.
2728 Grand Avenue
Waukegan, IL 60085

Re: Geotechnical Investigation
Retaining Wall – East Russell Road
Lake County, Illinois

Dear Mr. Doland:

Submitted for your consideration is our proposal to provide the requested subsurface soil investigation, engineering evaluation and report for the above referenced improvements. Our services will be provided in accordance with the guidelines stated below.

Field Investigation

We propose the layout of 4 borings at the requested locations and in areas accessible to our truck mounted drilling equipment. We will contact JULIE for location of public utilities.

The borings will be power auger drilled and soils sampled using a split barrel sampler at intervals of 2.5 feet within 15.0 feet of the surface and at intervals of 5.0 feet below this depth. The proposed borings will extend to minimum depths of 30.0 feet. Additional boring depth and sampling may be provided based on soil conditions encountered.

Laboratory Testing

Soil samples will be returned to our laboratory for review and tested to determine moisture content. Competent samples of cohesive soils will be tested further to determine dry unit weight and unconfined compressive strength. Additional testing may be needed based on the results of the field investigation and laboratory testing.

Engineering Evaluation, Report

The field investigation and laboratory testing will be completed under the direction of a Registered Professional Engineer. Preliminary information will be available upon request. Upon completion of the investigation an engineering evaluation will be completed and a report prepared. The report will present our findings and appropriate recommendations.

8 WEST COLLEGE DRIVE • ARLINGTON HEIGHTS, IL 60004

SOIL BORINGS • SITE INVESTIGATIONS • PAVEMENT INVESTIGATIONS • GEOTECHNICAL ENGINEERING
TESTING OF • SOIL • ASPHALT • CONCRETE • MORTAR • STEEL

Proposal No. 11,112
Re: Retaining Wall - East Russell Road
Lake County, Illinois

Page 2

Charges

Our unit charges and the estimated total cost for the investigation are indicated on the attached Schedule of Fees. Final billing will be based on this schedule. If additional services are requested that are beyond the scope of the proposed investigation, they will be provided at our established unit prices.

Your consideration of this proposal is appreciated. The attached General Conditions are understood to be part of this proposal. If acceptable, please execute and return one copy to our office. Should you have any questions concerning the scope of the investigation, please let us know.

Very truly yours,

SOIL AND MATERIAL CONSULTANTS, INC.



Gerald J. Kissner, P.E.
President

GJK:kg

Proposal Accepted By:

Client _____
 Street _____
 Town _____ State _____ Zip Code _____
 Phone () _____ Fax () _____
 Signature _____ Position _____
 Printed Name _____ Date _____

Proposal No. 11,112
 Re: Retaining Wall – East Russell Road
 Lake County, Illinois

Page 3

SCHEDULE OF FEES -- SUBSURFACE SOIL INVESTIGATION

Field

Boring Layout	1 hr.	\$	80.00 /hr.	\$	80.00
Utility Location	1 hr.	\$	80.00 /hr.	\$	80.00
Mobilization	1	\$	Lump Sum	\$	225.00
Drilling (4 at 30')	120 ft.	\$	11.00 /ft.	\$	1,320.00
Split Barrel Sampling	36 ea.	\$	8.00 ea.	\$	288.00

Laboratory

Moisture Content	36 ea.	\$	3.00 ea.	\$	108.00
Unit Weight	36 ea.	\$	3.00 ea.	\$	108.00
Unconfined Compressive Strength	36 ea.	\$	6.00 ea.	\$	216.00

Report

Senior Engineer (P.E.)	4 hr.	\$	130.00 /hr.	\$	520.00
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Estimated Total Cost: \$ 2,945.00

Proposal No. 11,112
 Re: Retaining Wall - East Russell Road
 Lake County, Illinois

Page 4

TERMS AND CONDITIONS

Soil and Material Consultants, Inc. (SMC) scope of work defined in the proposal was based on information provided by the client. If incomplete, inaccurate or if unexpected site conditions are discovered, the scope of work may change.

GEOTECHNICAL INVESTIGATIONS

Client will furnish SMC with right-of-access to the site. SMC will take reasonable precautions to minimize site damage due to its operations, but has not included in the fee the cost of restoration of any resulting damage. SMC shall not be liable for damage or injury due to encountering subsurface structures (pipes, tanks, utilities or others) not called to SMC's attention in writing or are not correctly shown on the drawings furnished by client or client's representative. If the client desires, SMC will restore any damage to the site and add the cost of restoration to the fee.

Field work, laboratory testing and engineering analysis will be performed in accordance with generally accepted soil and foundation engineering practices. Samples are retained in our laboratory for 30 days from date of report and then destroyed unless other disposition is requested. The data reported applies only to the soils sampled and the conditions encountered at each boring location. This does not imply or guarantee that soils between borings will be identical in character. Isolated inclusions of better or poorer soils can be found on any site. SMC will not be liable for extra work or other consequences due to changed conditions encountered between borings.

Any exploration, testing and analysis associated with the investigation will be performed by SMC for the client's sole use to fulfill the purpose of this Agreement. SMC is not responsible for use or interpretation of the information by others. The client recognizes that subsurface conditions may vary from those encountered in borings or explorations. Information and recommendations developed by SMC are based solely on available information and for the currently proposed improvement.

Documents including but not limited to technical reports, original boring logs, field data, field notes, laboratory test data, calculations, reports of inspection and testing, geotechnical reports, technical reports, submittals and estimates furnished to the client or its agents pursuant to this agreement are not intended or represented to be suitable for reuse by the client or others on extensions of this project or on any other project. Any reuse without SMC's written consent will be at user's sole risk and without liability or legal exposure to SMC. User shall indemnify and hold harmless SMC from all claims, damages, losses and expenses including attorney's fees arising out of or resulting therefrom. To the maximum extent permitted by law, the Client agrees to limit SMC liability for clients' damages to \$100,000 or the fee, whichever is lesser. This limitation shall apply regardless of the cause of action or legal theory pled or asserted.

Soil and Material Consultants, Inc. is a Professional Engineering Corporation. Engineering services are often completed by extension through technical staff. The unit rates presented in this proposal do not reflect charges associated with organized labor. Future agreements, if any, with organized labor will invalidate some of the unit rates presented. Required rate adjustments will be presented to the client for acceptance prior to providing services at the adjusted rates.

Services are invoiced monthly for the preceding period. Client agrees to pay each invoice within thirty (30) days of receipt and further agrees to pay interest on all amounts not paid at the rate of 2.0% per month, an annual rate of 24% from the due date. Client agrees to pay all reasonable costs of collection including staff time, court costs, Attorneys' fees and related expenses. If this account becomes delinquent, Client agrees that reports furnished to the client but not paid for in full remain the sole property of SMC and will not be used for design, construction, permits, licensing, sales or other gain.

TESTING SERVICES

Client shall furnish SMC with at least one working day's notice on any part-time (less than 8 hours/day) job when field personnel are requested. SMC shall make reasonable effort to provide field personnel in a timely manner but reserves the right to schedule field personnel as deemed appropriate. Minimum charges will be billed when work cancellations are received after field personnel have left for the project site.

SMC personnel will provide a professional service based on observations and testing of the work of a contractor, subcontractor, or other service/material provider, as specifically requested. SMC field personnel will look for general conformance with project specifications, plans and/or soil report but does not accept the responsibility to control or direct the work of others. Discrepancies noted by SMC office or field personnel will be referred to client or client's representative.

Testing Services furnished by SMC are defined as the taking of soil and/or material tests at various locations and the making of visual observations relating to earthwork, foundations, and/or materials as specifically requested by the client and agreed to by SMC, and will be limited to those specifically agreed services. Such services will be performed by SMC using that degree of care and skill ordinarily exercised, under similar circumstances, by reputable members of the profession practicing in this or similar localities.

Observations and testing of soils and/or materials by SMC in no way implies a guarantee or warranty of the work of the contractor, subcontractor, or other service/material provider. SMC's work or failure to perform same shall in no way excuse such contractor, subcontractor or other service/material provider from liability in the event of subsequently discovered defects, omissions, errors, deficiencies or failure to perform in accordance with the project plans and specifications. SMC field personnel shall not be responsible for superintendence of the construction process nor direction of the work of the contractor, subcontractor, or other service/material provider. SMC's work shall not include determining or implementing the means, methods, techniques, sequences or procedures of construction. SMC shall not be responsible for evaluating, reporting or affecting job conditions concerning health, safety or welfare.

PROPOSAL FOR ENVIRONMENTAL SERVICES
WADSWORTH AREA, ILLINOIS
Russell Road Repairs

Ehorn Environmental is proposing the following environmental services for the stabilization of a road way in an area tributary to the Lake Michigan Watershed. The existing roadway requires structural repair.

It is known that wetlands and water of the United States exist on the site based upon initial maps available. The tributary adjacent to the roadway is a part of a federally navigable water and the repair action would have to be approved by the Corps of Engineers.

Maintenance or repair of serviceable structures is allowed by the Corps of Engineers as Regional Permit 9 within the existing regional permit system. The Corps requires the submittal of documentation of the proposed work in advance of any on site work. The documentation may include but not be limited to a wetland delineation, a permit application for the Regional Permit 9, engineering drawings with erosion control measures and a statement concerning the environmental impacts of the proposed project on the aquatic environment.

Scope of Services:

1. Wetland Delineation

If it is determined that wetlands or more extensive waters of the U.S. exist on the site, a wetland delineation report would be required.

Ehorn Environmental will prepare a wetland delineation report that satisfies the Corps of Engineers guidance for the wetland permit program and address current guidelines of the NRCS and State of Illinois. The wetland report will document the three parameters required including soils, vegetation and hydrology. Due to the site being an agricultural area, the report will have to be designed to address the NRCS requirements and data bases.

The wetland delineation report will be prepared by making field observations, staking the wetland perimeter and providing an initial estimate of the size of the wetland areas. The exact size of wetlands will be determined by a land surveyor and the client is responsible to assure that the survey is provided to Ehorn for completion of the wetland report. The land survey is not a part of the wetland delineation proposal or cost.

Ehorn will initiate the following reviews, however, the completion of the wetland delineation task is not premised on having the site cleared by the referenced agencies.

Initial coordination will be provided with the U.S. Fish and Wildlife Service and the Illinois Department of Natural Resources concerning Threatened or Endangered Species. If extended

consultation is required due the presence of threatened or endangered species, a revised scope of services associated with the consultation would be required to address State or Federal issues.

Initial coordination will be provided with the Illinois Historic Preservation Agency to clear the site. In some cases a site can be cleared without a formal archaeological study.

Modifications of the site boundary after the wetland delineation is completed to change the size of the parcel reviewed may lead to the imposition of an additional fee to review areas added to the site.

2. Permit Application Preparation and Submittal

Early coordination on the development plans assures that the first set of plans best reflects the current regulations. Therefore the client is encouraged to have a meeting with the engineers and Ehorn to review the site characteristics and establish a draft plan that avoids or reduces impacts to wetlands to the extent possible.

When informed by client that the permit process is to begin, Ehorn Environmental will prepare wetland related permit documents required by local, state and federal requirements and submit the application materials as a part of the overall submittal. The basis of the permit submittal will be a plan that is prepared by others with sufficient engineering, stormwater management, site grading plans showing wetland limits to support a permit decision. Ehorn Environmental will work with the planners and engineers to assure that sufficient background information is prepared to document avoidance, minimization and mitigation of wetlands.

A wetland permit application will be prepared for the developers preferred plan for the site. Any modifications to the plans that require a substantial revision to documents will require additional work and related costs to redevelop the permit submittals.

The permit application submittals will be provided to the required state and federal agencies. The package will include coordination for archaeological and historic reviews, and threatened and endangered species. It is anticipated that there will not be any requirement for threatened species coordination, however, an archaeological review may be required for the site and should be initiated as a separate item as noted in the cost proposal below.

A brief alternatives analysis and impact analysis will be provided for the project.

The project should not require any mitigation for impacts and should not require the establishment and protection of buffers.

FEES

The following costs are associated with the scope of services for the structural repair work on the Russell Road Bridge

- | | |
|---|-------------------|
| <p>1. Wetland Delineation</p> <ul style="list-style-type: none"> Wetland delineation Early coordination Review of survey by others Field inspection of wetland limits with permit authority if required | <p>\$2,350.00</p> |
| <p>2. Permit Application Preparation</p> <ul style="list-style-type: none"> Prepare documents Coordination of wetland engineering Meetings with client and permit authority Management plan | <p>\$1,675.00</p> |

The fee for the wetland delineation is \$2,350 and this fee will be billed at the time the delineation report is provided. Payment of the fee is due within 30 days of the presentation of the invoice.

If the land survey is not completed by others within 15 days of having the wetlands flagged, the report will be submitted without the survey and will be invoiced. If the survey is conducted beyond the 15 day period and it is determined that flags are missing due to vandalism by others at the site, an addition fee will be charged to replace flags that are missing at the time of survey. If the survey is incorrect and needs to be re-done, any reflagging and meetings in the field to correct the survey is considered to be an additional cost.

Billing for permit services will be made on a monthly basis for services provided within the limits of this proposal. Payment is due within 30 days of presentation of the invoice. If additional services are required, the additional costs will be negotiated with the client prior to initiation of the additional work.

Archaeological survey services are conducted by others. Ehorn can provide the names of several consultants registered with the State if the survey is required.

Local agencies (villages and counties) assess fees for reviews of wetland delineations, site inspections and permits. The fees charged by these agencies are not part of this cost proposal. Fees would have to be paid by the proposed permittee and made directly to the reviewing agency.

Agreement:

By McClure Engineering

By Ehorn Environmental

Doug Ehorn

Date

Date

DESIGN SCHEDULE

Route:	
Local Agency:	LAKE COUNTY
Section:	
Project:	21ST STREET RETAINING WALL REHABILITATION
Job No.:	

	2 0 0 9											
	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC			
DATA COLLECTION												
SURVEYS												
SOIL BORINGS												
WETLAND DELINEATION												
ARMY CORPS PERMIT												
DESIGN												
PLANS, SPECS, ESTIMATE OF COST												
LOCAL AGENCY COORDINATION												
PROJECT MANAGEMENT AND ADMIN.												

DESIGN SCHEDULE

Route:	
Local Agency: LAKE COUNTY	
Section:	
Project: RUSSELL ROAD RETAINING WALL REHABILITATION	
Job No.:	

	2 0 0 9											
	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC			
DATA COLLECTION												
SURVEYS												
SOIL BORINGS												
WETLAND DELINEATION												
ARMY CORPS PERMIT												
DESIGN												
PLANS, SPECS, ESTIMATE OF COST												
LOCAL AGENCY COORDINATION												
PROJECT MANAGEMENT AND ADMIN.												

State of Illinois
Department of Transportation
Bureau of Local Roads and Streets

SPECIAL PROVISION
FOR
EMPLOYMENT PRACTICES

Effective: January 1, 1999

In addition to all other labor requirements set forth in this proposal and in the Standard Specifications for Road and Bridge Construction, adopted by the Department of Transportation, during the performance of this contract, the Contractor for itself, its assignees, and successors in interest (hereinafter referred to as the "Contractor") agrees as follows:

Selection Of Labor. The Contractor shall comply with all Illinois statutes pertaining to the selection of labor.

Equal Employment Opportunity. During the performance of this contract, the Contractor agrees as follows:

- (a) That it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin, ancestry, age, marital status, physical or mental handicap or unfavorable discharge from military service, and further that it will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any such underutilization.
- (b) That, if it hires additional employees in order to perform this contract or any portion hereof, it will determine the availability of minorities and women in the area(s) from which it may reasonably recruit and it will hire for each job classification for which employees are hired in such a way that minorities and women are not underutilized.
- (c) That, in all solicitations or advertisements for employees placed by it or on its behalf, it will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, national origin, ancestry, age, marital status, physical or mental handicap or unfavorable discharge from military service.
- (d) That it will send to each labor organization or representative of workers with which it has or is bound by collective bargaining or other agreement or understanding, a notice advising such labor organization or representative of the Contractor's obligations under the Illinois Human Rights Act and the Department's Rules and Regulations. If any such labor organization or representative fails or refuses to cooperate with the Contractor in its efforts

SURVEY PROCEDURES (Revised 4/21/08)

UNITS-COORDINATES

The CONSULTANT will conduct all surveying, stationing, and preparation of required plans using English units of measure and the U.S. Survey Foot. State Plane Coordinates – Illinois East Zone, NAD 83 shall be obtained for all alignment and survey control points.

HORIZONTAL ALIGNMENT

Unless otherwise specified in the services contract, the CONSULTANT is to provide the horizontal alignment. The CONSULTANT'S SURVEYOR will try to re-establish the original horizontal alignment as shown on the recorded R.O.W. plats. The CONSULTANT shall contact LCDOT's Land Surveyor to obtain R.O.W. plats and field notes and benchmarks before establishing the horizontal alignment and stationing. Notify LCDOT's Surveyor immediately if the alignment cannot be reproduced or if in the CONSULTANT'S opinion the existing alignment information is in error.

The CONSULTANT'S SURVEYOR, prior to construction, shall stake the PCs, Pls, PTs, and POTs so that LCDOT's Surveyor can locate them later for construction staking. The CONSULTANT'S SURVEYOR will provide four reference ties to all U.S. Public Land Survey Monuments located within the construction limits. The reference points should be located outside of the anticipated construction limits if practical, so that they can be used after construction to replace the monuments. The CONSULTANT shall record Monument Records for all Section and Quarter Section corners set or found within the construction limits.

The CONSULTANT will mark all 100-foot interval station locations on the survey base line for construction, when on paved surfaces with a P.K. or Mag nail and spray paint. The baseline for relocated alignments when off pavement will be marked at 100-foot intervals with iron rods. The rods shall be set one foot below the surface in farmed land. The CONSULTANT will advise the County of any pavement alignment variations. In cases where the proposed centerline of construction or survey baseline is different from the existing centerline of R.O.W., both shall be shown and the relationship between them will be indicated on the Alignment and Tie sheet.

An Alignment and Tie Sheet shall be provided as part of the final product. The Alignment and Tie sheet shall be signed and sealed by the CONSULTANT'S SURVEYOR. The station, offset and coordinates of the alignment points and survey control points shall be shown. It shall be noted whether the coordinates, stationing and distances are State Plane grid or ground surface. In the case that the information shown is ground surface distances, the State Plane Coordinates still must also be shown for all alignment points and survey control points in order that they can be located with GPS and so that the project can be referenced into our GIS maps. The coordinates may be

(LCDOT'S IDENTIFICATION CODES SHALL BE USED – see attachment)

TYPICAL PRINT-OUT FORM (EXAMPLE)								
BY POINT NUMBERS								
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DEFINITION CODE (1)	DESCRIPTION PD	MATERIAL CODE (1)
3331	104+23.306	-45.869	10313.993	20392.255	207.495	491.10	10 INCH TREE PINE	0
3332	104+50.475	-49.159	10323.810	20416.938	207.743	668	PAVEMENT EDGE	759
3333	104+69.987	-44.270	10261.604	20452.162	207.126	310	FL W/GRATE	774
3334	103+93.865	+40.590	10297.779	20365.781	207.378	304.15	6 INCH TILE	836
BY STATION								
STATION	POINT NUMBER	OFFSET	NORTHING	EASTING	ELEVATION	DEFINITION CODE (1)	DESCRIPTION PD	MATERIAL CODE (1)
103+93.865	3334	+40.590	10297.779	20365.781	207.378	304.15	6 INCH TILE	836
104+23.306	3331	-45.869	10313.993	20392.255	207.495	491.10	10 INCH TREE PINE	0
104+50.475	3332	-49.159	10323.810	20416.938	207.743	668	PAVEMENT EDGE	759
104+69.987	3333	-44.270	10261.604	20452.162	207.126	310	FL W/GRATE	774
BY POINT DESCRIPTION								
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DEFINITION CODE (1)	DESCRIPTION PD	MATERIAL CODE (1)
3331	104+23.306	+40.590	10297.779	20365.781	207.378	304.15	6 INCH TREE PINE	0
3336	104+50.475	-45.869	10313.993	20392.255	207.495	491.10	10 INCH TREE PINE	0
2323	104+69.987	-49.159	10323.810	20416.938	207.743	668	6 INCH TREE OAK	0
2565	103+93.865	-44.270	10261.604	20452.162	207.126	310	5 INCH TREE OAK	0

(1) LCDOT CODES

LCDOT's Land Surveyor:

Steve Heuer, PLS
 600 West Winchester Road
 Libertyville, IL 60048
 (847) 377-7488