

## COUNCIL WORKSHOP ITEM

**ITEM:** Professional Services Contract Recommendation, 2001/2002  
Geotechnical Engineering Services, Project #18-00  
**DATE:** March 19, 2001  
**PREPARED BY:** Jane Gerdes, Senior Engineer, Department of Public Works  
**PURPOSE:** Place award of contract on the April 3, 2001 Consent Agenda.

### DISCUSSION:

Geotechnical engineering services include soils and material inspections and analyses necessary to plan, design and construct capital projects. In January, staff solicited qualifications/proposals to provide geotechnical engineering services during FY 2001/2002 for Village capital improvements that are designed in-house. Four (4) submittals were received from area firms.

This year, the scope of the geotechnical engineering services contract has been reduced to exclude projects that are designed by consultant architects/engineers. This allows flexibility for the larger and typically more complex projects; while providing continuity of service for Public Works' recurring projects, like the annual resurfacing, sidewalk and watermain programs. These recurring Public Works projects require routine, but essential, material testing of asphalt, concrete, gravel and soils.

Claude H. Hurley Company has provided geotechnical engineering services for Public Works for over ten (10) years. This firm's work on Public Works projects has been satisfactory, and the firm's pricing remains attractive, as the attached comparison shows. Staff recommends that the contract be awarded to:

Claude H. Hurley Company  
175 West First Street  
Elmhurst, IL 60126

Funding source for this work varies by capital project and is budgeted in accounts 220.522.0000.5707, 220.523.0000.5707, 220.524.0000.5707, 220.527.0000.5707, 107.529.0000.5707, 471.541.0000.5707, and 481.551.0000.5707.

### ATTACHMENT:

A comparison of proposal unit prices is attached, as well as the agreement.

### RECOMMENDATION:

Place award of the contract to Claude H. Hurley Company at the quoted unit prices on the April 3, 2001 consent agenda.

DEPARTMENT OF PUBLIC WORKS  
2001/2002 GEOTECHNICAL PROFESSIONAL SERVICES

PROJECT 18-00

COMPARISON OF PROPOSAL PRICES RECEIVED 02/09/01

DESCRIPTION	UNIT	HURLEY UNIT PRICE	TSC UNIT PRICE	PSI UNIT PRICE	AGI UNIT PRICE
<b>PROFESSIONAL PERSONNEL SERVICE</b>					
PRICIPAL ENGINEER	HOUR	70.00	130.00	75.00	65.00
SENIOR ENGINEER	HOUR	45.00	87.50	42.00 to 45.00	50.00
ENGINEER	HOUR	35.00	65.00	35.00 to 38.00	40.00 Field Technician: 35.00
<b>TECHNICAL AND SUPPORT PROFESSIONAL SERVICES</b>					
LAB TECHNICIAN	HOUR	27.50	N/C	30.00	20.00
DRAFTSMAN	HOUR	47.50	65.00	30.00	18.00
SECRETARY	HOUR	N/C	40.00	20.00	12.00
CLERK	HOUR	N/C	N/C	20.00	15.00
<b>REPRODUCTION COSTS</b>					
PHOTOCOPIES	EACH	N/C	N/C	0.05 (n/c if 3 or less)	0.07
BLUELINES	SQ FT	N/C	N/C	0.20	0.25
PAPER SEPIAS, 24" x 36"	EACH	N/C	N/C	6.00	8.00
REPRODUCIBLES ON MYLAR, 24" x 36"	EACH	N/C	N/C	20.00	10.00
<b>DRILLING, SAMPLING, AND CORING</b>					
MOBILIZATION/DEMOBILIZATION OF TRUCK MOUNTED ROTARY RIG, TOOLS AND TWO MAN DRILLING CREW PER RIG	JOB	190.00	250.00 (Truck-Mounted Drill) 375.00 (All-Terrain Vehicle)	150.00	175.00
CONTINUOUS FLIGHT AUGER BORING	FOOT	6.75	7.25 9.75 (w/Auger sampling @ 2 foot intervals)	8.50 to 9.50	7.50

DEPARTMENT OF PUBLIC WORKS  
2001/2002 GEOTECHNICAL PROFESSIONAL SERVICES

PROJECT 18-00

COMPARISON OF PROPOSAL PRICES RECEIVED 02/09/01

DESCRIPTION	UNIT	HURLEY	TSC	PSI	AGI
		UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE
HOLLOW FLIGHT AUGER BORING, SOLID STEM AUGER OR ROLLER BIT WITH SPLIT SPOON SAMPLING AT 2.5 FOOT INTERVALS TO TEN FEET; FIVE FEET THEREAFTER:					
0-50 FOOT DEPTH	FOOT	9.25	10.00	8.50 to 9.50	10.00
50-100 FOOT DEPTH	FOOT	10.00	11.75	11.00 to 13.00	14.00
SHELBY TUBE SAMPLES, 2" O.D.	EACH	15.00	27.50	25.00	25.00
SHELBY TUBE SAMPLES, 3" O.D.	EACH	22.50	30.00	30.00	40.00
BAG SAMPLES AT SPECIFIED DEPTH, FOR PROCTOR TEST	EACH	41.50	40.00	10.00	25.00
ROCK CORING	FOOT	25.00	26.00	30.00	35.00
			**\$200.00 set-up fee per location		
<b>LABORATORY TESTING (SOILS)</b>					
VISUAL CLASSIFICATION, INCLUDING POCKET PENETROMETER READINGS	EACH	1.75	3.00	3.00	4.00
MOISTURE CONTENT DETERMINATION (ASTM D 2216)	EACH	3.25	5.00	3.00	3.50
SIEVE ANALYSIS, DRY, 7 SIEVES	EACH	85.00	45.00	45.00	35.00
SIEVE ANALYSIS, WASHED, 7 SIEVES	EACH	35.00	60.00	50.00	40.00
COMBINED HYDROMETER AND SIEVE ANALYSIS (ASTM D 422)	EACH	60.00	95.00	80.00	65.00
ATTERBERG LIMITS, LL, PL (ASTM D 423, 424)	EACH	60.00	55.00 *Add 15% for hard drilling (more than 50 blows/foot)	50.00	40.00
SPECIFIC GRAVITY DETERMINATION (ASTM D 854)	EACH	30.00	55.00	50.00	25.00
STANDARD PROCTOR COMPACTION (ASTM D 698)	EACH	110.00	120.00	110.00	50.00

DEPARTMENT OF PUBLIC WORKS  
2001/2002 GEOTECHNICAL PROFESSIONAL SERVICES

PROJECT 18-00

COMPARISON OF PROPOSAL PRICES RECEIVED 02/09/01

DESCRIPTION	UNIT	HURLEY	TSC	PSI	AGI
		UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE
MODIFIED PROCTOR COMPACTION (ASTM D 1557)	EACH	120.00	135.00	115.00	105.00
ILLINOIS BEARING RATIO TEST, INCLUDING PROCTOR DENSITY	EACH	265.00	270.00	300.00	250.00
DENSITY DETERMINATION, INCLUDING MOISTURE CONTENT TEST	EACH	8.00	10.00	10.00	9.00
<b>LABORATORY TESTING (CONCRETE AND ASPHALT)</b>					
CONCRETE MIX DESIGN, PER MIX	EACH	225.00	700.00	350.00	400.00
CONCRETE AGGREGATE TEST:					
FINE AGGREGATE SIEVE ANALYSIS	EACH	35.00	45.00	55.00	40.00
COARSE AGGREGATE SIEVE ANALYSIS	EACH	35.00	45.00	55.00	40.00
FINE AGGREGATE - SPECIFIC GRAVITY AND ABSORPTION	EACH	35.00	55.00	60.00	65.00
COARSE AGGREGATE - SPECIFIC GRAVITY AND ABSORPTION	EACH	35.00	55.00	60.00	75.00
CONCRETE CYLINDER TEST	EACH	8.00	10.50	8.00	10.00
REFLUX EXTRACTION TEST	EACH	50.00	115.00	80.00	90.00
MARSHALL STABILITY TEST	EACH	115.00	145.00	100.00	110.00

**PROFESSIONAL SERVICES AGREEMENT**

**FOR**

**VILLAGE OF DOWNERS GROVE**

**DOWNERS GROVE, ILLINOIS 60515**

**April, 2001**

AGREEMENT  
FOR  
PROFESSIONAL SERVICES

THIS AGREEMENT, made and entered into in the Village of Downers Grove, State of Illinois, this \_\_\_\_ day of \_\_\_\_\_, by and between the Village of Downers Grove, an Illinois municipal corporation, whose address is Civic Center, 801 Burlington Avenue, Downers Grove, IL 60515 (hereinafter referred to as "OWNER") and Claude H. Hurley Company whose address is 175 West First Street, Elmhurst, IL 60126 (hereinafter referred to as "ENGINEER") for certain geotechnical engineering services more fully defined herein.

The OWNER and the ENGINEER, in consideration of the mutual covenants herein, agree as set forth below:

**SECTION 1 - BASIC SERVICES OF ENGINEER**

- 1.1. General
  - 1.1.1 The ENGINEER shall provide subsurface exploration and testing, inspection and testing of construction materials, construction observation and report preparation, and any other geotechnical engineering services, as may be agreed to in a Letter Agreement entered into between OWNER and ENGINEER.
  - 1.1.2 A separate Letter Agreement shall be executed by the OWNER and ENGINEER for each construction project for which the OWNER desires and the ENGINEER to provide engineering services.
  - 1.1.3 Each Letter Agreement shall be prepared by the ENGINEER in consultation with the OWNER, and shall include:
    - a. Location of Project.
    - b. Description of Project.
    - c. In the case of Subsurface Exploration, whether the report need comply with IDOT requirements.
    - d. In the case of Construction Observation and Testing, whether material approvals must conform to IDOT requirements.
    - e. Description of Subsurface Exploration Program to include the number, depth and location of borings and the type and number of laboratory tests to be performed.

- f. Statement describing the Field and Laboratory Testing Program recommended.
- g. Description of the questions to be addressed, types of recommendations to be made, and nature and extent of background information, to be included in the final report.
- h. An estimate of manpower hours, equipment usage, and description and number of tests required to complete the recommended testing program and prepare report, along with the related costs utilizing those fees listed on Exhibit A.
- i. Cost of any restoration work required excluding filling of boreholes and patching pavement over boreholes, which is incidental to the cost of boring.
- j. An estimate of the cost of the services for the project and a "not-to-exceed" amount for the project services.

1.1.4 Each Letter Agreement shall be presented to the OWNER within ten calendar days from the date on which the ENGINEER receives a written request from the OWNER for engineering services. Execution of the Letter Agreement by the owner shall constitute acceptance of the terms therein. One copy of the Letter Agreement shall be returned to the ENGINEER.

1.1.5 The ENGINEER shall begin all subsurface exploration work within three days from receipt of the Letter Agreement. The ENGINEER shall be responsible for coordinating his work schedule with the Contractor's work schedule such that full compliance with Section 1.3 of this Agreement is achieved.

1.1.6 The ENGINEER shall perform all required services consistent with accepted standards of practice for professional civic and geotechnical engineers.

## 1.2. Subsurface Exploration

1.2.1 The ENGINEER shall determine the existence and location of underground utilities and structures in the area of subsurface exploration. The OWNER shall inform the ENGINEER of the existence and location of its underground utilities and structures. The ENGINEER shall be responsible for damage by his forces or those of his subcontractors to underground utilities or structures; provided, however, that the ENGINEER shall not be liable for damages to underground utilities or structures, resulting from the ENGINEER'S reliance on field locations inaccurately marked by employees or agents of the OWNER of said underground structures.

1.2.2 The ENGINEER shall select the boring locations and depths and types of samples required, log the borings, direct the sampling operation, and supervise the transporting of samples to the laboratory. All borings shall be plotted within two feet horizontally of their true locations and within 0.25 feet of their true vertical elevation.

- 1.2.3 The ENGINEER shall be responsible for any and all damage caused by the ENGINEER or his drilling subcontractor except as stated in 1.2.1 above. The ENGINEER shall backfill all boreholes and patch any disturbed pavement.
- 1.2.4 The ENGINEER shall establish a field and laboratory testing program designed to provide sufficient data for the preparation of a true and accurate analysis of the site and the preparation of design recommendations.
- 1.2.5 The ENGINEER shall perform all sampling and testing in accordance with the current standards of the American Society for Testing and Materials (ASTM) for the specific type of sampling or testing involved. The ENGINEER shall also conform his work to the current requirements of the Illinois Department of Transportation (IDOT) for motor fuel tax projects, unless specifically directed otherwise by the OWNER in the Letter Agreement.
- 1.2.6 The ENGINEER shall establish design parameters based upon laboratory test results, field data and general engineering principles. Specific design recommendations shall be based upon all material factors, including without limitation the structure's use, settlement tolerances, loads, methods of construction, frost susceptibility, and cost. Technically feasible alternate methods of construction or design shall be evaluated on the basis of probability of construction's conforming to design parameters durability of construction, estimated costs, etc.
- 1.2.7 Formal reports, (as differentiated from field reports) shall be prepared for each project by the ENGINEER as described in the Letter Agreement. Each report shall include such exhibits as are necessary to illustrate and support the report and recommendation.
- 1.3. Construction Observation and Testing
- 1.3.1 The ENGINEER'S representative on a project shall familiarize himself with the construction drawings and specifications. The ENGINEER'S representative shall be required to attend a pre-construction meeting with the Contractor's superintendent, the OWNER'S engineer and other appropriate persons. The ENGINEER'S representative shall explain to the Contractor at this meeting, the requirements for providing material for sampling, the ENGINEER'S notice requirements, which inspection tickets/reports the Contractor must furnish, and all other necessary information such that proper construction observation and testing can be accomplished.
- 1.3.2 The ENGINEER shall be responsible for establishing a field and laboratory testing program specifically designed to demonstrate that the materials used and the construction itself conform to the contract plans and specifications. The ENGINEER'S representative shall inform the Contractor's superintendent as to the types and frequency of testing required, the advance notice requirements of the ENGINEER, the IDOT requirements for inspected materials. The ENGINEER shall obtain from the Contractor the construction schedule, the intended source of construction materials, and batch plant locations.

- 1.3.3 The ENGINEER shall conduct such field tests as may be required by generally accepted engineering practices or specifically requested by the OWNER, such as density tests on subgrade, base and asphalt, utilizing a nuclear density meter; slump, air entrainment and temperature of plastic concrete; compressive strength of concrete cylinders. All testing is to be performed in accordance with the appropriate ASTM and IDOT standards.
- 1.3.4 The ENGINEER shall prepare field reports for each day the ENGINEER'S representative is at the project site. Such daily reports shall include, without limitation, weather conditions, type and quantity of materials placed that day, any instructions given the Contractor, a description of testing performed, the results of such testing and any other significant observations. The ENGINEER shall also prepare any forms or reports related to material inspections required by IDOT.
- 1.3.5 The ENGINEER shall conduct laboratory tests as may be required by generally accepted engineering practices or as specifically required by the OWNER, such as: particle size distribution, particle settling, plasticity, aggregate quality, proctor, compressive strength, asphalt extraction, Illinois bearing ratio, unconfined compression, triaxial shear, consolidation, etc. All testing is to be performed in accordance with the appropriate ASTM and IDOT standards. Results shall be reported to the OWNER on forms that fully disclose all information necessary to interpret the results, including the physical condition of materials, source of materials, conditions of testing, etc.
- 1.3.6 The ENGINEER shall make periodic observations of the Contractor's work in progress and make such tests as are necessary to form an opinion as to whether the work conforms to the contract plans and specifications. Immediate notice of all defective work observed must be made to the OWNER. The ENGINEER is not responsible for the direction or supervision of the Contractor, his employees or agents by virtue of the Contractor's being solely responsible for the methods of construction, direction of personnel, and control of machinery, falsework, scaffolding, or other temporary construction aids, all matters related to safety in, on, or about the project site relative to the Contractor, subcontractor, their employees or agents. Acts or omissions shall be the sole responsibility of the Contractor.

## **SECTION 2 - OWNER'S RESPONSIBILITIES**

- 2.1. All of the Owner's in-house design projects requiring professional geotechnical services during the term of his Agreement shall be performed by the ENGINEER.
- 2.2. Unless otherwise agreed, the OWNER shall make all provisions for the ENGINEER'S entry upon public and private property to perform his services. Prior to entering upon property other than that owned by the OWNER, the ENGINEER shall obtain written confirmation from the OWNER, the ENGINEER shall obtain written confirmation from the OWNER that rights of access have been granted.

- 2.3. The OWNER shall inform the ENGINEER as to the nature and scope of each project in sufficient detail to permit the ENGINEER to properly prepare the Letter Agreement as required in 1.1.3 above.
- 2.4 The OWNER shall designate in writing a person to act as the OWNER'S representative with respect to the services to be rendered under this Agreement. Such person shall have complete authority to transmit instructions, receive information, interpret and define the OWNER'S policies and decisions with respect to this Agreement.
- 2.5 The OWNER shall give written notice to the ENGINEER whenever the OWNER observes or otherwise becomes aware of any matter that affects the scope or timing of ENGINEER'S services, or of any defect in the Contractor's work.

### **SECTION 3 - PERIOD OF SERVICE**

- 3.1 The provisions of this Section 3 and the various rates of compensation for the ENGINEER's services provided for elsewhere in this Agreement have been agreed to in anticipation of the timely delivery of services consistent with the terms of this Agreement.
- 3.2 The term of this Agreement shall be the period from May 1, 2001 through April 30, 2002, except that this agreement shall survive to the extent necessary to control the delivery of all services required under any Letter Agreement(s) executed on or before April 30, 2002. Annual extension of this agreement may be negotiated not to exceed two (2) additional years.

### **SECTION 4 - PAYMENTS TO ENGINEER**

- 4.1 The ENGINEER shall be compensated for services provided under specific Letter Agreements and in accordance with the rates specified in Exhibit A "Geotechnical Engineering Fee Schedule".
- 4.2 Compensation due to the ENGINEER under any Letter Agreement shall be limited to the total compensation specified in such Letter Agreement. Additional compensation shall be allowed upon approval of an amended Letter Agreement by OWNER.
- 4.3 Prior to the tenth day of each month, the ENGINEER shall submit to the OWNER, in duplicate, written requests for payment for services rendered during the preceding calendar month, such requests shall specify with particularity the type and amount of services provided.

**SECTION 5 - GENERAL CONSIDERATIONS**

5.1 Notices

Village of Downers Grove  
Village Manager  
801 Burlington Avenue  
Downers Grove, IL 60515

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(ENGINEER contact information)

Any notice, direction, approval or request to be given hereunder shall be in writing and delivered either in person or by United States mail at the address indicated above. Said notice, direction, approval or request shall be deemed to have been delivered at the time of such personal delivery or deposit in the United States mail.

5.2 Controlling Law

This agreement is to be governed by the law of the State of Illinois.

5.3 Indemnity and Hold Harmless Agreement

To the fullest extent permitted by law, the ENGINEER shall indemnify, keep and save harmless the Village and the agents, officers, and employees, against all injuries, deaths, losses, damages, claims, suits, liabilities, judgements, costs and expenses, (including any liability under the Illinois Structural Act, know as the Scaffolding Act), which may arise directly or indirectly from any negligence or from the reckless or willful misconduct of the ENGINEER, his employees, or his subcontractors, and the ENGINEER shall at his own expense, appear, defend and pay all charges of attorneys and all costs and other expenses arising therefrom or incurred in connection therewith, and; if any judgment shall be rendered against the Village in any such actions, the ENGINEER shall, at his own expense, satisfy and discharge the same. This Agreement shall not be construed as requiring the ENGINEER to indemnify the Village for its own negligence. The ENGINEER shall indemnify, keep and save harmless the Village only where a loss was caused by the acts or omissions of the ENGINEER and its employees/agents or its subcontractors.

5.4 Successors and Assigns

5.4.1 OWNER and ENGINEER each binds himself and his partners, successors, executors, administrators, assigns and legal representatives to the other party to this agreement and to the partners, successors, executors, administrators, assigns and legal representatives of such other party, in respect to all covenants, agreements, and obligations of this Agreement.

5.4.2 Neither OWNER nor ENGINEER shall assign, sublet or transfer any rights under or interest in (including, but without limitation, monies that may become due or monies that are due) this Agreement without the written consent of the other, except as stated in paragraph 5.4.1 and except to the extent that the effect of this to the

contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under this Agreement. Nothing contained in this paragraph shall prevent ENGINEER from employing such independent consultants, associates and subcontractors as he may deem appropriate to assist him in the performance of services hereunder.

5.4.3 Nothing herein shall be construed to give any rights or benefits hereunder to anyone other than OWNER and ENGINEER.

#### 5.5 Reuse of Documents

All documents including drawings and specifications prepared by ENGINEER pursuant to this Agreement are instruments of service in respect of the project. They are not intended or represented to be suitable for reuse by OWNER or others on extensions of the project or any other project. Any reuse without written verification or adaptation by ENGINEER for the specific purpose intended will be at OWNER'S sole risk.

#### 5.6 Insurance

- a. Prior to execution of this contract, the ENGINEER must provide evidence to the OWNER that it possesses and will maintain the following minimum standards of insurance coverage to protect the ENGINEER and the OWNER, its officers and employees as additional insured where noted, until completion of the work under this contract and any extra work in connection therewith. Specific types of coverage and the dollar limits of liability are detailed on the example certificate of insurance which follows; the contents of which are essential items of this contract.
- b. Professional Liability Insurance - minimum amount of \$1,000,000.00
- c. General Liability Insurance to pay on behalf of the ENGINEER or the OWNER, as additional insured, any sums which the ENGINEER or the OWNER, its officers and employees may be legally obligated to pay as damages because of bodily injury, personal injury, or property damage caused by an occurrence arising out of the ENGINEER operations pursuant to this contract, including liability incurred as a result of the actions by it, including subcontractors and their employees who the ENGINEER may let portions of work pursuant to the completion of this contract and any extra work in connection therewith.
- d. Worker's Compensation Insurance as provided for by statute, including occupational disease provisions, for all persons employed by the ENGINEER or by a subcontractor to whom the ENGINEER may let any of the work to be performed pursuant to this contract. The ENGINEER may let any of the work to be performed pursuant to this contract. The ENGINEER shall also maintain Employer's Liability Insurance to pay on behalf of the ENGINEER any sums which it shall be legally obligated to pay as damages for bodily injury, including death, which may result from the action of any person related to the performance of hazardous work pursuant to this contract.

- e. Automobile Liability Insurance to pay on behalf of the ENGINEER or any subcontractor to whom the ENGINEER may let any of the work performed pursuant to this contract, any sums which they may be legally obligated to pay as damages for bodily injury and property damage arising out of the ownership, maintenance or use of any motor vehicle (including owned, hired, and non-owned vehicles for use on the public highways).
  
- f. Excess Insurance (if required) to pay on behalf of the ENGINEER or OWNER any sums in excess of the amounts previously accorded by the specified primary insurance coverage, which the ENGINEER or the OWNER may be legally obligated to pay for claims of bodily injury, personal injury, or property damage caused by an occurrence arising out of the ENGINEER'S operations pursuant to this contract including liability incurred from the actions by the ENGINEER or any person directly or indirectly employed by it, including subcontractors and their employees who the ENGINEER may let portions of work pursuant to the completion of this contract and any extra work in connection therewith.
  
- g. Certificates of Insurance within fifteen (15) days after the ENGINEER shall furnish certificates of insurance to the OWNER, evidencing all of the aforesaid coverage, and naming the OWNER as additional insured, such certificates to include a non-cancellation clause, preventing cancellation of coverage without thirty (30) days prior notice to the OWNER, and further to include a provision for continuation of coverage until acceptance by the OWNER of the work performed pursuant to this contract.

5.7. LAWS TO BE OBSERVED

A. Vehicle Backing Precautions

Pursuant to Sections 14-139(b) and 14-171.1 of the Downers Grove Municipal Code, any motor vehicle which has an obstructed view to the rear and is to be operated at any time in reverse gear on the public streets of the Village of Downers Grove by the Contractor or any subcontractor shall either be equipped with a reverse signal alarm (back up alarm) audible above and distinguishable from the surrounding noise level, or shall provide an observer to signal that it is safe to back up.

B. Overweight, Overwidth and Overheight Permits

The Village has and supports an overweight truck enforcement program. Contractors are required to comply with weight requirements and safety requirements as established by Illinois Law or Village Ordinance, for vehicles, vehicle operators and specialty equipment. In some instances, specialty equipment for road repairs or construction projects requires the movement of overweight, overwidth, or overheight loads utilizing a Village of Downers Grove roadway. Such movement will require obtaining a permit and permission as follows:

- 1. The Police Department Traffic Supervisor will receive and issue all overweight, overwidth, or overheight permits.

2. The Police Department, upon receiving such a request, will determine and direct permit applicant which route will be authorized.
3. The Police Department will retain one copy of the completed permit form, and one copy will be forwarded to Village Operations Center (V.O.C.).

C. EQUAL EMPLOYMENT OPPORTUNITY:

In the event of the contractor's non-compliance with the provisions of this Equal Employment Opportunity Clause, the Illinois Human Rights Act or the Rules and Regulations of the Illinois Department of Human Rights ("Department"), the contractor may be declared ineligible for future contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations, and the contract may be canceled or voided in whole or in part, and such other sanctions or penalties may be imposed or remedies invoked as provided by statute or regulation. During the performance of this contract, the contractor agrees as follows:

1. That it will not discriminate against any employee or applicant for employment because of race, color religion, sex, marital status, national origin or ancestry, age, physical or mental handicap unrelated to ability, or an 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.
2. That, if it hires additional employees in order to perform this contract or any portion thereof, it will determine the availability (in accordance with the Department's Rules and Regulations) 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.
3. 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, marital status, national origin or ancestry, age, physical or mental handicap unrelated to ability, or an unfavorable discharge from military service.
4. That it will send to each labor organization or representative of workers with which it has or is bound by a 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 to comply with such Act and Rules and Regulations, the contractor will promptly so notify the Department and the contracting agency and will recruit employees from other sources when necessary to fulfill its obligations thereunder.

5. That it will submit reports as required by the Department's Rules and Regulations, furnish all relevant information as may from time to time be requested by the Department or the contracting agency, and in all respects comply with the Illinois Human Rights Act and the Department's Rules and Regulations.
6. That it will permit access to all relevant books, records, accounts and work sites by personnel of the contracting agency and the Department for purposes of investigation to ascertain compliance with the Illinois Human Rights Act and the Department's Rules and Regulations.
7. That it will include verbatim or by reference the provisions of this clause in every subcontract it awards under which any portion of the contract obligations are undertaken or assumed, so that such provisions will be binding upon such subcontractor. In the same manner as with other provisions of this contract, the contractor will be liable for compliance with applicable provisions of this clause by such subcontractors; and further it will promptly notify the contracting agency and the Department in the event any subcontractor fails or refuses to comply therewith. In addition, the contractor will not utilize any subcontractor declared by the Illinois Human Rights Commission to be ineligible for contracts or subcontracts with the State of Illinois or any of its political subdivision or municipal corporations.  
(Files February 6, 1981, Effective February 9, 1981.)

#### 5.9 Default

In the event either of the parties to this Agreement default in carrying out any obligations hereunder, the other party shall notify the defaulting party of such default. The defaulting party shall then have three (3) days to cure such default. In the event that such default is not cured within the three (3) day period the other party shall have the option to terminate this Agreement without further notice.

#### 5.10 Waiver of Breach

The waiver of either OWNER or ENGINEER of a breach of any provision of this Agreement shall not operate or be construed as a waiver of any subsequent breach of the same or any other provision of this Agreement by either OWNER or ENGINEER.

#### 5.11 Termination of Abandonment of Project

The OWNER reserves the right to terminate this Agreement prior to the date provided in Section 3 above, or to terminate any Letter Agreement covering a single project, by delivering written notice to the ENGINEER by personal delivery or by certified mail. Such notice shall be effective five days after its receipt by the ENGINEER, after which date ENGINEER shall not continue to perform duties under this Agreement or the Letter Agreement so terminated; except that the ENGINEER shall cause to be completed and delivered to the OWNER all reports due on projects for which the ENGINEER provided services in accordance with a Letter Agreement.

The bidder or supplier shall, as a party to a public contract, have a written sexual harassment policy that:

1. Notes the illegality of sexual harassment;
2. Sets forth the State law definition of sexual harassment;
3. Describes sexual harassment utilizing examples;
4. Describes the bidder's or supplier's internal complaint process including penalties;
5. Describes the legal recourse, investigative and complaint process available through the Illinois Department of Human Rights and the Human Rights Commission and how to contact these entities, and;
6. Describes the protection against retaliation afforded under the Illinois Human Rights Act.

**THIS AGREEMENT** represents the entire agreement between OWNER and ENGINEER and supersedes all prior negotiations, representatives or agreements, either written or oral.

OWNER: VILLAGE OF DOWNERS GROVE,  
an Illinois Municipal Corporation

BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
Mayor

(SEAL) ATTEST: \_\_\_\_\_  
Village Clerk

ENGINEER Claude H. Hurley Company

BY: *Donald H. Hurley*  
Firm

(SEAL) TITLE: President - Engineering Director

ATTEST: *Bette Richter*

**EXAMPLE OF REQUIRED CERTIFICATE OF INSURANCE FOR CONTRACT WORK  
 FOR THE VILLAGE OF DOWNERS GROVE.**

**PROJECT:** \_\_\_\_\_ - Project # \_\_\_\_\_

<u>GENERAL LIABILITY</u>	<u>LIMITS OF LIABILITY IN THOUSANDS (000)</u>	
(X) COMMERCIAL GENERAL LIABILITY	GENERAL AGGREGATE	\$ 1,000
	PRODUCTS COMP/OPS AGGREGATE	\$ 1,000
	PERSONAL & ADVERTISING INJURY	\$ 1,000
(X) OCCURRENCE	EACH OCCURRENCE	\$ 1,000
	FIRE DAMAGE (ANY FIRE)	\$ 50
	MEDICAL EXPENSE (ANY ONE PERSON)	\$ 5

(X) OWNER'S & CONTRACTORS PROTECTIVE

AUTOMOBILE LIABILITY

( ) ANY AUTO	COMBINED SINGLE LIMIT	\$ 1,000
(X) ALL OWNED AUTOS	BODILY INJURY (PER PERSON)	\$ 500
( ) SCHEDULED AUTOS		
(X) HIRED AUTOS	BODILY INJURY (PER ACCIDENT)	\$ 1,000
(X) NON-OWNED AUTOS (PER ACCIDENT)	PROPERTY DAMAGE	\$ 250
( ) GARAGE LIABILITY		

EXCESS LIABILITY

( )	EACH OCCURRENCE	\$
( ) OTHER THAN UMBRELLA FORM	AGGREGATE	\$

WORKERS' COMPENSATION AND EMPLOYERS' LIABILITY

STATUTORY	EACH ACCIDENT	\$ 500
	DISEASE - POLICY LIMIT	\$ 500
	DISEASE - EACH EMPLOYEE	\$ 100
OTHER	<u>Professional Liability</u>	<u>\$1,000</u>

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/RESTRICTIONS/SPECIAL  
 ITEMS

Agreement for Professional Services  
Geotechnical 2001-2002

**THE VILLAGE OF DOWNERS GROVE, AND ITS OFFICERS, EMPLOYEES AND  
AGENTS ARE NAMED ADDITIONAL INSURED FOR THE \_\_\_\_\_  
- Project # \_\_\_\_\_**

Project #

**EXHIBIT A**  
**2001-2002**

**VILLAGE OF DOWNERS GROVE**  
**Project Name: Geotechnical Services**  
**Geotechnical Fee Schedule**

<u>ITEM</u>	<u>UNIT</u>	<u>UNIT CHARGE</u>
<u>PROFESSIONAL PERSONNEL SERVICE</u>		
PRINCIPAL ENGINEER - EVIII	/HR	\$ 70.00
SENIOR ENGINEER - EV	/HR	45.00
ENGINEER - EIII	/HR	35.00
<u>TECHNICAL AND SUPPORT PROFESSIONAL SERVICES</u>		
LAB TECHNICIAN - ETI/II	/HR	27.50
DRAFTSMAN - DVI	/HR	47.50
SECRETARY	/HR	n/c
CLERK	/HR	n/c
<u>REPRODUCTION COSTS</u>		
PHOTOCOPIES	/EA	n/c
BLUELINES	/SF	n/c
PAPER SEPIAS 24" X 36"	/EA	n/c
REPRODUCIBLES ON MYLAR 24" X 36"	/EA	n/c
<u>DRILLING, SAMPLING AND CORING</u>		
MOBILIZATION AND DEMOBILIZATION OF TRUCK MOUNTED ROTARY RIG. TOOLS AND 2 MAN DRILLING CREW PER RIG	/JOB	190.00
CONTINUOUS FLIGHT AUGER BORING	/FT	6.75

**VILLAGE OF DOWNERS GROVE**  
**Project Name: Geotechnical Services**  
**Geotechnical Fee Schedule**

Exhibit A (Cont'd)  
 2001-2002

<u>ITEM</u>	<u>UNIT</u>	<u>UNIT CHARGE</u>
HOLLOW FLIGHT AUGER BORING, SOLID STEM AUGER OR ROLLER BIT WITH SPLIT SPOON SAMPLING AT 2.5 FOOT INTERVALS TO 10 FEET. 5 FEET THEREAFTER. (ASTM D 1587)		
0-50 FOOT DEPTH	/FT	\$ 9.25
50-100 FOOT DEPTH	/FT	10.00
SHELBY TUBE SAMPLES, 2" O.D	/EA	15.00
3" O.D.	/EA	22.50
BAG SAMPLES AT SPECIFIED DEPTH, FOR PROCTOR TEST	/EA	41.50
ROCK CORING	/FT	25.00
 <b><u>LABORATORY TESTING (SOILS)</u></b>		
VISUAL CLASSIFICATION INCLUDING POCKET PENETROMETER READINGS	/EA	1.75
MOISTURE CONTENT DETERMINATION (ASTM D 2216)	/EA	3.25
SIEVE ANALYSIS, DRY, 7 SIEVES	/EA	35.00
SIEVE ANALYSIS, WASHED, 7 SIEVES	/EA	35.00
COMBINED HYDROMETER AND SIEVE ANALYSIS (ASTM D 422)	/EA	60.00
ATTERBERG LIMITS, LL, PL ASTM D 423, 424)	/EA	60.00

**VILLAGE OF DOWNERS GROVE**  
**Project Name: Geotechnical Services**  
**Geotechnical Fee Schedule**

Exhibit A (Cont'd)  
 2001-2002

<u>ITEM</u>	<u>UNIT</u>	<u>UNIT CHARGE</u>
<u>LABORATORY TESTING (SOILS) (cont'd.)</u>		
SPECIFIC GRAVITY DETERMINATION (ASTM D 854)	/EA	\$ 30.00
STANDARD PROCTOR COMPACTION (ASTM D 698)	/EA	110.00
MODIFIED PROCTOR COMPACTION (ASTM D 1557)	/EA	120.00
ILLINOIS BEARING RATIO TEST INCLUDING PROCTOR DENSITY	/EA	265.00
DENSITY DETERMINATION, INCLUDING MOISTURE CONTENT TEST	/EA	8.00
<u>LABORATORY TESTING (CONCRETE AND ASPHALT)</u>		
CONCRETE MIX DESIGN, PER MIX	/EA	225.00
CONCRETE AGGREGATE TEST:		
FINE AGGREGATE SIEVE ANALYSIS	/EA	35.00
COURSE AGGREGATE SIEVE ANALYSIS	/EA	35.00
FINE AGGREGATE - SPECIFIC GRAVITY AND ABSORPTION	/EA	35.00
COURSE AGGREGATE - SPECIFIC GRAVITY AND ABSORPTION	/EA	35.00
CONCRETE CYLINDER TEST	/EA	8.00
REFLUX EXTRACTION TEST	/EA	50.00
MARSHALL STABILITY TEST	/EA	115.00

See attached Fee Schedule of January 31, 2001 for unit fees applicable to additional field, laboratory and engineering services.

**CLAUDE H. HURLEY COMPANY**

Consulting Geotechnical Engineers

175 WEST FIRST STREET  
ELMHURST, ILLINOIS 60126  
PHONE (630) 279-7762  
FAX (630) 279-7795**FEE SCHEDULE****January 31, 2001****Engineering Services**

The following unit fees include all geotechnical engineering, construction materials engineering and consultation services:

<u>Item</u>	<u>Unit Fee</u>
<b>Professional and Technical Personnel</b>	
Engineering Technician I/II, Per Hour	\$ 27.50
Engineering Technician III, Per Hour	32.50
Engineering Technician IV, Per Hour	35.00
Engineering Technician V, Per Hour	40.00
Engineering Technician VI, Per Hour	45.00
Engineering Technician VII, Per Hour	50.00
Engineering Technician VIII, Per Hour	55.00
Engineering Technician IX, Per Hour	60.00
Engineering Technician X, Per Hour	65.00
Draftsman I/II, Per Hour	27.50
Draftsman III, Per Hour	32.50
Draftsman IV, Per Hour	37.50
Draftsman V, Per Hour	42.50
Draftsman VI, Per Hour	47.50
Draftsman VII, Per Hour	52.50
Draftsman VIII, Per Hour	57.50
Draftsman IX, Per Hour	62.50
Draftsman X, Per Hour	67.50
Engineer I/II, Per Hour	30.00
Engineer III, Per Hour	35.00
Engineer IV, Per Hour	40.00
Engineer V, Per Hour	45.00
Engineer VI, Per Hour	50.00
Engineer VII, Per Hour	60.00
Engineer VIII, Per Hour	70.00
Engineer IX, Per Hour	80.00
Engineer X, Per Hour	90.00
Engineer XI, Per Hour	100.00
Principal, Per Hour	147.50
<b>Support Personnel</b>	
Clerical I, Per Hour	17.50
Clerical II, Per Hour	22.50
Clerical III, Per Hour	27.50
Clerical IV, Per Hour	32.50
Secretary I, Per Hour	22.50
Secretary II, Per Hour	27.50
Secretary III, Per Hour	32.50
Secretary IV, Per Hour	37.50

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The following unit fees include all mobilization-demobilization charges and fees for subsurface exploration and other field services:

<b>Mobilization and Demobilization of Personnel and Equipment</b>	
Light Duty Vehicle, Per Mile	\$ 0.48
Motorized Core Rig, Each	190.00
Conventional Truck Rig	
Local, Each	190.00
Long Distance, Per Mile	3.75
All-Terrain Vehicle, Each	270.00
Skid Rig, Each	190.00
Bulldozer or Endloader, Each	240.00
Backhoe, Each	190.00
<b>Special Equipment for Difficult Access, Standby, Excess Moving Time and Hourly Exploration</b>	
Conventional Truck Rig, Per Hour	135.00
All-Terrain Vehicle, Per Hour	160.00
Skid Rig, Per Hour	135.00
Bulldozer or Endloader, Per Hour	112.50
Backhoe, Per Hour	112.50
Rental of Other Special Equipment, Each	Cost + 15%
<b>Acquisition of Required Permits and Traffic Control</b>	
Engineering Technician IV, Per Hour	35.00
Railroad and Other Flagman, Each	Cost + 15%
Signs and Equipment, Each	Cost + 15%
Permits, Each	Cost + 15%
Soil Drilling, no sampling, Per Foot	6.75
Soil Drilling, including disturbed soil sampling from auger flights, Per Foot	6.75
Soil Drilling, including standard penetration tests at 2.5 ft interval and standard split-barrel and thin-wall tube soil sampling.	
1) Less than 60 bpf and less than 50 ft, Per Foot	9.25
2) Less than 60 bpf and 50 ft or greater, Per Foot	10.00
3) Thin-wall tube sample, including tube, preparation and seal	
a) 2-in. dia, Each	15.00
b) 3-in. dia, Each	22.50
Rock Core Set-up, Each	110.00
Setting Casing for Difficult Ground Drilling, Slurry Drilling, Rock Drilling and Rock Coring, Per Foot	4.50
Rock Drilling, no sampling, Per Foot	17.50
Rock Coring, including AX, BX and NX-size core, Per Foot	25.00

**Field Operations (continued)**

**Page 3**

Pavement Coring, including 4-in. dia AC, PCC and SAM core, hand auger probe of subgrade soil to depth 2.0 ft and auger sample, Per Hour	\$ 120.00
Weld Inspection and Testing	
Visual and Dye Penetrant Methods, Per Hour	55.00
Magnetic Particle Methods, Per Hour	55.00
Ultrasonic Methods, Per Hour	85.00

**Laboratory Tests**

The following are unit fees for off-site laboratory tests:

Soil:	Visual Classification and Natural Moisture Content Test, Per Test	3.25
	Grain Size Determination, including washed sieve analysis, Per Test	35.00
	Grain Size Determination, including hydrometer and fine sieve analyses, Per Test	60.00
	Atterberg Limit Test	
	Liquid Limit and Plastic Limit, Per Test	60.00
	Shrinkage Limit, Per Test	70.00
	Specific Gravity Test, Per Test	30.00
	Loss-On-Ignition Test, Per Test	20.00
	Total Organic Matter Test, Per Test	20.00
	pH Determination, Per Test	20.00
	Soil Resistivity Determination, Per Test	27.50
	Determination of Soil Oxidation Reduction Potential, Per Test	21.50
	Determination of Presence of Sulfides in Soil, Per Test	21.50
	Determination of Soluble Concentration of Chloride and Sulfate in Soil, Per Test	106.50
	Dry Unit Weight Test, Per Test	7.00
	Hand Penetrometer Reading, Per Test	1.75
	Unconfined Compression Test	
	Uncontrolled Strain, Per Test	6.50
	Controlled Strain, Per Test	27.00
	Triaxial Compression Test	
	Q-Type	
	One Specimen, Per Test	50.00
	Three Specimens, Per Test	140.00
	R-Type	
	One Specimen	
	With pore pressure measurement, Per Test	80.00
	Without pore pressure measurement, Per Test	65.00
	Three Specimens	
	With pore pressure measurement, Per Test	270.00
	Without pore pressure measurement, Per Test	200.00
	S-Type	
	One Specimen, Per Test	80.00
	Three Specimens, Per Test	270.00
	Back-Pressure Saturation, Per Specimen	55.00

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	One-Dimensional Consolidation Test, including initial load, recycle, load, and rebound, Per Test	\$370.00
	Illinois Bearing Ratio Test, Per Test	265.00
	Moisture-Density Relationship Test	
	Per AASHTO T-99 or ASTM D-698, Per Test	110.00
	Per AASHTO T-180 or ASTM D-1557, Per Test	120.00
	Constant Head Permeability Test, Per Test	150.00
Rock:	Natural Moisture Content Test, Per Test	3.25
	Tensile Strength Test-Brazilian Method, Per Test	55.00
	Unconfined Compressive Strength Test, Per Test	27.50
	Unconfined Compressive Strength Test, including determination of Young's Modulus and Poisson's Ratio, Per Test	160.00
	Horizontal or Vertical Permeability Test, Per Test	150.00
	Specific Gravity Determination, Per Test	20.00
Concrete:	Concrete Mix Design Verification, Per Mix	225.00
	Cement Test	
	Chemical requirements, Per Test	120.00
	Physical requirements, Per Test	120.00
	Fineness Air Permeability	
	Normal Consistency	
	Time of Setting	
	Specific Gravity	
	Compressive Strength	
	False Set	
	Aggregate Tests	
	Sieve Analysis	
	Fine Aggregate, Per Test	35.00
	Coarse Aggregate, Per Test	35.00
	Organic Impurities, Per Test	35.00
	Unit Weight, Per Test	20.00
	Voids in Aggregate, Per Test	7.50
	Material Finer than No. 200 Sieve, Per Test	25.00
	Specific Gravity and Absorption Determination	
	Fine Aggregate, Per Test	35.00
	Coarse Aggregate, Per Test	35.00
	Sodium Sulfate Soundness Test, including 5 cycles, Per Test	200.00
	PCC Cylinder Compression Test	
	Set of Two Cylinders, Per Cylinder	16.00
	Set of Three Cylinders, Per Cylinder	11.00
	Set of Four or More Cylinders, Per Cylinder	8.00
	Mortar Cube Compression Test, Per Test	11.00
	Analysis of PCC Core, including preparation of specimen, thickness measurement and compression test, Per Test	40.00

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Asphalt:	Liquid Asphalt Cement Penetration Value, Per Test	\$ 27.50	
	Mix Design, including Marshall stability test, Per Mix	215.00	
	Analysis of Field or Plant Sample, including Marshall stability test, extraction test, and determination of theoretical density, Per Test	225.00	
	Analysis of Field or Plant Sample, including Marshall stability test and extraction test, Per Test	165.00	
	Analysis of Field or Plant Sample, including Marshall stability test, Per Test	115.00	
	Analysis of Field or Plant Sample, including extraction test, Per Test	50.00	
	Analysis of Field or Plant Sample, including determination of theoretical density, Per Test	110.00	
	Analysis of AC Core, including recovery of bitumen and aggregate from composite of cores; gradation of aggregate; and penetration value, ductility, and ash content of bitumen, Per Test	275.00	
	Analysis of AC Core, including extraction test on composite of cores, Per Test	55.00	
	Analysis of AC Core, including preparation of specimen, density determination, and thickness measurement, Per Test	20.00	
	SAM:	PAM or CAM Specimen Preparation and Testing, including density determination and unconfined compression test, Per Specimen, Per Test	50.00
		Set of Three Specimens, Per Test	140.00
		Analysis of PAM or CAM Core, including preparation of specimen, thickness measurement, density determination and unconfined compression test, Per Test	75.00
Analysis of PAM or CAM Core, including preparation of specimen and unconfined compression test, Per Test		40.00	
Steel:	Tensile Strength, including yield elongation and variation in dimensions and weight		
	No. 3 through No. 7 Bar, Per Test	45.00	
	No. 8 through No. 11 Bar, Per Test	65.00	
	Bend Strength including strength and variation in dimensions and weight		
	No. 3 through No. 7 Bar, Per Test	35.00	
	No. 8 through No. 11 Bar, Per Test	50.00	
	Certification of Welders, including monitoring of welding, certification report and certification card, Per Hour	55.00	
	Test of Welded Coupons, including preparation of coupon for test and bend test, Per Test	55.00	
Test of Welded Coupons, including preparation of coupon for test and tensile test, Per Test	85.00		
Test of Welded Pipe Coupons, including preparation of coupon for test and tensile or bend test, Per Test	85.00		

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**Laboratory Tests (continued)**

**Page 6**

Test of Welded Coupons, including preparation of coupon for test and radiographic test	
Per Coupon, Per Test	\$ 75.00
Per Set of Three Coupons, Per Test	200.00
Spray Insulation	
Thickness and Density Measurement by Dimensional Analysis, Per Test	50.00
Density Determination by Displacement Method, Per Test	30.00

Special Tests: On Individual Contract Basis for Specific Scope of Work