COUNCIL WORKSHOP ITEM

ITEM:	CONTRACT EXTENSION RECOMMENDATION FOR GEOTECHNICAL ENGINEERING SERVICES BY THE CLAUDE H. HURLEY COMPANY FOR MAY 1, 2004 THROUGH APRIL 30, 2005 PROJECT #08-04
DATE:	July 12, 2004
PREPARED BY:	David H. Barber, P.E., Director of Public Works Michael D. Millette, P.E., Assistant Director of Public Works Brian Parks, Senior Engineer, Department of Public Works
PURPOSE:	To authorize execution of contract extension for geotechnical engineering professional services for various capital projects to Claude H. Hurley Company on the July 27, 2004 Workshop Agenda.
BID AMOUNT:	**Unit Price Contract** **ACCOUNT:** See Recommendation
BUDGET AMOUNT:	**$72,000.00**

DISCUSSION:
Geotechnical engineering services include soils and material inspections and analyses necessary to plan, design and construct Village Capital Improvement Projects.

The Claude H. Hurley Company has provided geotechnical engineering services for Public Works for more than ten years. Providing services for the annual resurfacing, sidewalk and watermain programs as well as all other capital projects. These projects require routine, but essential, material testing of asphalt, concrete, gravel and soils.

The Hurley Company's work on Downers Grove Public Works projects has continued to be satisfactory, with the firm's pricing remaining attractive compared to other firms.
As part of the proposal for the 2004/2005 year, the Claude H. Hurley Company proposes a zero percent (0%) increase in prices to provide geotechnical engineering services to the Village of Downers Grove. All terms of the Extension will remain the same.

ATTACHMENT:
A copy of the 2004/2005 proposal listing the proposed unit prices.

RECOMMENDATION:
Staff recommends that the contract with the Claude H. Hurley Company be renewed for FY 2004/2005. Funding source for this work varies by capital project and is budgeted in accounts 220.341.0000.5711, 220.342.0000.5807, 102.342.0000.5711, 220.342.0000.5811, 481.393.0000.5806, and 102.342.0000.5711.
Place award of the contract to Claude H. Hurley Company at the quoted unit prices on the July 27, 2004 workshop agenda.

RESOLUTION NO.

A RESOLUTION AUTHORIZING EXECUTION OF AN ADDENDUM TO AN AGREEMENT FOR ENGINEERING SERVICES BETWEEN THE VILLAGE OF DOWNERS GROVE AND CLAUDE H. HURLEY COMPANY

BE IT RESOLVED by the Village Council of the Village of Downers Grove, DuPage County, Illinois, as follows:

1. That the form and substance of a certain Addendum to an Agreement for Engineering Services Agreement (the "Agreement"), between the Village of Downers Grove (the "Village") and Claude H. Hurley Company (the "Engineer"), for certain geotechnical engineering services, as set forth in the form of the addendum submitted to this meeting with the recommendation of the Village Manager, is hereby approved.

2. That the Mayor and Village Clerk are hereby respectively authorized and directed for and on behalf of the Village to execute, attest, seal and deliver the Agreement, substantially in the form approved in the foregoing paragraph of this Resolution, together with such changes as the Manager shall deem necessary.

3. That the proper officials, agents and employees of the Village are hereby authorized and directed to take such further action as they may deem necessary or appropriate to perform all obligations and commitments of the Village in accordance with the provisions of the Agreement.

4. That all resolutions or parts of resolutions in conflict with the provisions of this Resolution are hereby repealed.

5. That this Resolution shall be in full force and effect from and after its passage as provided by law.

_____
Mayor

Passed:
Attest: _____
Village Clerk

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ADDENDUM TO AN AGREEMENT FOR ENGINEERING SERVICES BETWEEN THE VILLAGE OF DOWNERS GROVE AND CLAUDE H. HURLEY COMPANY

THIS ADDENDUM dated this ____ day of _____, 2004, by and between the Village of Downers Grove, an Illinois municipal corporation (hereinafter referred to as "Owner"), and Claude H. Hurley Company, an Illinois corporation (hereinafter referred to as "Engineer"), in consideration of the following mutual covenants, terms and agreements, hereby agree to amend the Agreement for Engineering Services Between The Village of Downers Grove and Claude H. Hurley Company ("Agreement"), dated April 16, 2002, as follows:

1. The Agreement shall be amended as follows:

   3.2 The agreement shall be extended for the period of May 1, 2004 through April 30, 2005.

   *4.1 The ENGINEER shall be compensated for services provided under specific Letter of Agreements and in accordance with the rates specified in Exhibit A **2004-2005** "Geotechnical Engineering Fee Schedule".*

2. All terms and conditions of the April 16, 2002 Agreement shall apply equally to this Addendum Agreement, including the term of the agreement.

IN WITNESS WHEREOF, the parties hereto have caused this Addendum to be executed as of the day and year first specified above.

VILLAGE OF DOWNERS GROVE	CLAUDE H. HURLEY COMPANY
BY:_____	BY:_____
ATTEST:_____	ATTEST:_____
DATE:_____	DATE:_____

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EXHIBIT A
2004-2005

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

ITEM	UNIT	UNIT CHARGE
PROFESSIONAL PERSONNEL SERVICE		
PRINCIPAL ENGINEER – EVIII	/HR	$ 72.85
SENIOR ENGINEER - EV	/HR	46.80
ENGINEER - EIII	/HR	36.40
TECHNICAL AND SUPPORT PROFESSIONAL SERVICES		
LAB TECHNICIAN – ETI / II	/HR	28.60
DRAFTSMAN - DVI	/HR	49.40
SECRETARY	/HR	n/c
CLERK	/HR	n/c
REPRODUCTION COSTS		
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
DRILLING, SAMPLING AND CORING		
MOBILIZATION AND DEMOBILIZATION OF TRUCK MOUNTED ROTARY RIG. TOOLS AND 2 MAN DRILLING CREW PER RIG	/JOB	197.70
CONTINUOUS FLIGHT AUGER BORING	/FT	7.05

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

Exhibit A (Cont'd)
2004-2005

ITEM	UNIT	UNIT CHARGE
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	$ 9.65
50-100 FOOT DEPTH	/FT	10.40
SHELBY TUBE SAMPLES, 2" O.D	/EA	15.60
3" O.D.	/EA	23.40
BAG SAMPLES AT SPECIFIED DEPTH, FOR PROCTOR TEST	/EA	43.15
ROCK CORING	/FT	26.00
LABORATORY TESTING (SOILS)		
VISUAL CLASSIFICATION INCLUDING POCKET PENETROMETER READINGS	/EA	1.85
MOISTURE CONTENT DETERMINATION (ASTM D 2216)	/EA	3.35
SIEVE ANALYSIS, DRY, 7 SIEVES	/EA	36.40
SIEVE ANALYSIS, WASHED, 7 SIEVES	/EA	36.40
COMBINED HYDROMETER AND SIEVE ANALYSIS (ASTM D 422)	/EA	62.40
ATTERBERG LIMITS, LL, PL ASTM D 423, 424)	/EA	62.40

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

Exhibit A (Cont'd)
2004-2005

ITEM	UNIT	UNIT CHARGE
LABORATORY TESTING (SOILS) (cont'd.)		
SPECIFIC GRAVITY DETERMINATION (ASTM D 854)	/EA	$ 31.20
STANDARD PROCTOR COMPACTION (ASTM D 698)	/EA	114.45
MODIFIED PROCTOR COMPACTION (ASTM D 1557)	/EA	124.85
ILLINOIS BEARING RATIO TEST INCLUDING PROCTOR DENSITY	/EA	275.70
DENSITY DETERMINATION, INCLUDING MOISTURE CONTENT TEST	/EA	8.30
LABORATORY TESTING (CONCRETE AND ASPHALT)		
CONCRETE MIX DESIGN, PER MIX	/EA	234.10
CONCRETE AGGREGATE TEST:		
FINE AGGREGATE SIEVE ANALYSIS	/EA	36.40
COURSE AGGREGATE SIEVE ANALYSIS	/EA	36.40
FINE AGGREGATE - SPECIFIC GRAVITY AND ABSORPTION	/EA	36.40
COURSE AGGREGATE - SPECIFIC GRAVITY AND ABSORPTION	/EA	36.40
CONCRETE CYLINDER TEST	/EA	8.30
REFLUX EXTRACTION TEST	/EA	52.00
MARSHALL STABILITY TEST	/EA	119.65

See attached Fee Schedule of January 31, 2003 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, 2004

Engineering Services

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

Item	Unit Fee
Professional and Technical Personnel	
Engineering Technician I/II, Per Hour	$ 28.60
Engineering Technician III, Per Hour	33.80
Engineering Technician IV, Per Hour	36.40
Engineering Technician V, Per Hour	41.60
Engineering Technician VI, Per Hour	46.80
Engineering Technician VII, Per Hour	52.00
Engineering Technician VIII, Per Hour	57.20
Engineering Technician IX, Per Hour	62.40
Engineering Technician X, Per Hour	67.60
Draftsman I/II, Per Hour	28.60
Draftsman III, Per Hour	33.80
Draftsman IV, Per Hour	39.00
Draftsman V, Per Hour	44.20
Draftsman VI, Per Hour	49.40
Draftsman VII, Per Hour	54.60
Draftsman VIII, Per Hour	59.80
Draftsman IX, Per Hour	65.05
Draftsman X, Per Hour	70.25
Engineer I/II, Per Hour	31.20
Engineer III, Per Hour	36.40
Engineer IV, Per Hour	41.60
Engineer V, Per Hour	46.80
Engineer VI, Per Hour	52.00
Engineer VII, Per Hour	62.40
Engineer VIII, Per Hour	72.85
Engineer IX, Per Hour	83.25
Engineer X, Per Hour	93.65
Engineer XI, Per Hour	104.05
Principal, Per Hour	153.45
Support Personnel	
Clerical I, Per Hour	18.20
Clerical II, Per Hour	23.40
Clerical III, Per Hour	28.60
Clerical IV, Per Hour	33.80
Secretary I, Per Hour	23.40
Secretary II, Per Hour	28.60
Secretary III, Per Hour	33.80
Secretary IV, Per Hour	39.00

CLAUDE H. HURLEY COMPANY

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Field Operations

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

Mobilization and Demobilization of Personnel and Equipment	
Light Duty Vehicle, Per Mile	$ 0.50
Motorized Core Rig, Each	197.70
Conventional Truck Rig	
Local, Each	197.70
Long Distance, Per Mile	3.95
All-Terrain Vehicle, Each	280.90
Skid Rig, Each	197.70
Bulldozer or Endloader, Each	249.70
Backhoe, Each	197.70
Special Equipment for Difficult Access, Standby, Excess Moving Time and Hourly Exploration	
Conventional Truck Rig, Per Hour	140.45
All-Terrain Vehicle, Per Hour	166.45
Skid Rig, Per Hour	140.45
Bulldozer or Endloader, Per Hour	117.05
Backhoe, Per Hour	117.05
Rental of Other Special Equipment, Each	Cost + 15%
Acquisition of Required Permits and Traffic Control	
Engineering Technician IV, Per Hour	36.40
Railroad and Other Flagman, Each	Cost + 15%
Signs and Equipment, Each	Cost + 15%
Permits, Each	Cost + 15%
Soil Drilling, no sampling, Per Foot	7.05
Soil Drilling, including disturbed soil sampling from auger flights, Per Foot	7.05
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	9.65
2) Less than 60 bpf and 50 ft or greater, Per Foot	10.40
3) 60 bpf or greater and less than 50 ft, Per Foot	11.75
4) 60 bpf or greater and 50 ft or greater, Per Foot	13.75
5) Thin-wall tube sample, including tube, preparation and seal	
a) 2-in. dia, Each	15.60
b) 3-in. dia, Each	23.40
Rock Core Set-up, Each	114.45
Setting Casing for Difficult Ground Drilling, Slurry Drilling, Rock Drilling and Rock Coring, Per Foot	4.70
Borehole Backfill by Grouting, Per Foot	4.20
Rock Drilling, no sampling, Per Foot	18.20
Rock Coring, including AX, BX and NX-size core, Per Foot	26.00

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Field Operations (continued)

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	$ 124.85
Weld Inspection and Testing	
Visual and Dye Penetrant Methods, Per Hour	57.20
Magnetic Particle Methods, Per Hour	57.20
Ultrasonic Methods, Per Hour	88.45

Laboratory Tests

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

Soil:	Visual Classification and Natural Moisture Content Test, Per Test	3.35
	Grain Size Determination, including washed sieve analysis, Per Test	36.40
	Grain Size Determination, including hydrometer and fine sieve analyses, Per Test	62.40
	Atterberg Limit Test	
	Liquid Limit and Plastic Limit, Per Test	62.40
	Shrinkage Limit, Per Test	72.85
	Specific Gravity Test, Per Test	31.20
	Loss-On-Ignition Test, Per Test	20.80
	Total Organic Matter Test, Per Test	20.80
	pH Determination, Per Test	20.80
	Soil Resistivity Determination, Per Test	28.60
	Determination of Soil Oxidation Reduction Potential, Per Test	22.40
	Determination of Presence of Sulfides in Soil, Per Test	22.40
	Determination of Soluble Concentration of Chloride and Sulfate in Soil, Per Test	110.80
	Dry Unit Weight Test, Per Test	7.30
	Hand Penetrometer Reading, Per Test	1.85
	Unconfined Compression Test	
	Uncontrolled Strain, Per Test	6.80
	Controlled Strain, Per Test	28.10
	Triaxial Compression Test	
	Q-Type	
	One Specimen, Per Test	52.00
	Three Specimens, Per Test	145.65
	R-Type	
	One Specimen	
	With pore pressure measurement, Per Test	83.25
	Without pore pressure measurement, Per Test	67.65
	Three Specimens	
	With pore pressure measurement, Per Test	280.90
	Without pore pressure measurement, Per Test	208.10
	S-Type	
	One Specimen, Per Test	83.25
	Three Specimens, Per Test	280.90

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Laboratory Tests (continued)

	Back-Pressure Saturation, Per Specimen	$ 57.20
	One-Dimensional Consolidation Test, including initial load, recycle, load, and rebound, Per Test	384.95
	Illinois Bearing Ratio Test, Per Test	275.70
	Moisture-Density Relationship Test	
	Per AASHTO T-99 or ASTM D-698, Per Test	114.45
	Per AASHTO T-180 or ASTM D-1557, Per Test	124.85
	Constant Head Permeability Test, Per Test	156.05
Rock:	Natural Moisture Content Test, Per Test	3.35
	Tensile Strength Test-Brazilian Method, Per Test	57.20
	Unconfined Compressive Strength Test, Per Test	28.60
	Unconfined Compressive Strength Test, including determination of Young's Modulus and Poisson's Ratio, Per Test	166.45
	Horizontal or Vertical Permeability Test, Per Test	156.05
	Specific Gravity Determination, Per Test	20.80
Concrete:	Concrete Mix Design Verification, Per Mix	234.10
	Cement Test	
	Chemical requirements, Per Test	124.85
	Physical requirements, Per Test	124.85
	Fineness Air Permeability	
	Normal Consistency	
	Time of Setting	
	Specific Gravity	
	Compressive Strength	
	False Set	
	Aggregate Tests	
	Sieve Analysis	
	Fine Aggregate, Per Test	36.40
	Coarse Aggregate, Per Test	36.40
	Organic Impurities, Per Test	36.40
	Unit Weight, Per Test	20.80
	Voids in Aggregate, Per Test	7.80
	Material Finer than No. 200 Sieve, Per Test	26.00
	Specific Gravity and Absorption Determination	
	Fine Aggregate, Per Test	36.40
	Coarse Aggregate, Per Test	36.40
	Sodium Sulfate Soundness Test, including 5 cycles, Per Test	208.10
	PCC Cylinder Compression Test	
	Set of Two Cylinders, Per Cylinder	16.65
	Set of Three Cylinders, Per Cylinder	11.40
	Set of Four or More Cylinders, Per Cylinder	8.30
	Mortar Cube Compression Test, Per Test	11.40
	Analysis of PCC Core, including preparation of specimen, thickness measurement and compression test, Per Test	41.60

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Laboratory Tests (continued)

Asphalt:	Liquid Asphalt Cement Penetration Value, Per Test	$ 28.60
	Mix Design, including Marshall stability test, Per Mix	223.70
	Analysis of Field or Plant Sample, including Marshall stability test, reflux or ignition extraction test, and determination of theoretical density, Per Test	234.10
	Analysis of Field or Plant Sample, including Marshall stability test and reflux or ignition extraction test, Per Test	171.65
	Analysis of Field or Plant Sample, including Marshall stability test, Per Test	119.65
	Analysis of Field or Plant Sample, including preparation and determination of density by SHRP gyratory compactor, reflux or ignition extraction test, and determination of theoretical density, Per Test	265.30
	Analysis of Field or Plant Sample, including preparation and determination of density by SHRP gyratory compactor, and reflux or ignition extraction test, Per Test	202.90
	Analysis of Field of Plant Sample, including preparation and determination of density by SHRP gyratory compactor, Per Test	150.85
	Analysis of Field or Plant Sample, including reflux or ignition extraction test, Per Test	52.00
	Analysis of Field or Plant Sample, including determination of theoretical density, Per Test	114.45
	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	286.10
	Analysis of AC Core, including reflux or ignition extraction test on composite of cores, Per Test	57.20
	Analysis of AC Core, including preparation of specimen, density determination, and thickness measurement, Per Test	20.80
SAM:	PAM or CAM Specimen Preparation and Testing, including density determination and unconfined compression test,	
	Per Specimen, Per Test	52.00
	Set of Three Specimens, Per Test	145.65
	Analysis of PAM or CAM Core, including preparation of specimen, thickness measurement, density determination and unconfined compression test, Per Test	78.05
	Analysis of PAM or CAM Core, including preparation of specimen and unconfined compression test, Per Test	41.60
Steel:	Tensile Strength, including yield elongation and variation in dimensions and weight	
	No. 3 through No. 7 Bar, Per Test	46.80
	No. 8 through No. 11 Bar, Per Test	67.65
	Bend Strength including strength and variation in dimensions and weight	
	No. 3 through No. 7 Bar, Per Test	36.40
	No. 8 through No. 11 Bar, Per Test	52.00

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Laboratory Tests (continued)

Certification of Welders, including monitoring of welding, certification report and certification card, Per Hour	$ 57.20
Test of Welded Coupons, including preparation of coupon for test and bend test, Per Test	57.20
Test of Welded Coupons, including preparation of coupon for test and tensile test, Per Test	88.45
Test of Welded Pipe Coupons, including preparation of coupon for test and tensile or bend test, Per Test	88.45
Test of Welded Coupons, including preparation of coupon for test and radiographic test	
Per Coupon, Per Test	78.05
Per Set of Three Coupons, Per Test	208.10
Spray Insulation	
Thickness and Density Measurement by Dimensional Analysis, Per Test	52.00
Density Determination by Displacement Method, Per Test	31.20

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

CLAUDE H. HURLEY COMPANY

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July 6, 2004

Village of Downers Grove
Public Works Department
5101 Walnut Avenue
Downers Grove, Illinois 60515-4074

Attention: Mr. Brian J. Parks
Senior Engineer

Re: Geotechnical and Construction Materials Engineering Services
Various Projects
Village of Downers Grove
Downers Grove, Illinois

Gentlemen:

The Claude H. Hurley Company is providing Geotechnical and Construction Materials Engineering Services to the Village of Downers Grove per the terms of an April 16, 2002 Professional Services Agreement for work May 1, 2002 through April 30, 2003 and April 1, 2003 Resolution No. 2003-23 Authorization to Amend the Agreement by Extending the Contract from May 1, 2003 through April 30, 2004.

I reiterate our interest in being of continuing service to the Village.

Please extend the Agreement May 1, 2004 through April 30, 2005 per Section 3.2. We suggest all terms of the Extension remain the same.

Enclosed for your use are three copies of Exhibit A: Geotechnical Fee Schedule modified for the Contract Year 2004-2005.

Thank you for the opportunity to be of continuing service. Please indicate your acceptance of the Contract Extension by signing this document in the space provided below and return one copy for our files.

Very truly yours,

CLAUDE H. HURLEY COMPANY

Claude H. Hurley, P.E.
Engineering Director

CHH:jn
Enclosures

ACCEPTED BY:

Date _____, 2004

VILLAGE OF DOWNERS GROVE
Downers Grove, Illinois

By _____
Village Clerk