COUNCIL WORKSHOP ITEM

ITEM:	Letter Agreement for Geotechnical Engineering Services for 2002 Resurfacing Project and 2002 Slurry Seal & Micro-Surface Project		
DATE:	May 1, 2002		
PREPARED BY:	John J. Bajor, Jr., Director of Public Works Scott Barr, Staff Engineer		
PURPOSE:	Approval of proposal to perform geotechnical services on 2002 roadway maintenance projects.		
BID AMOUNT:	**$28,873.00**	**ACCOUNT:**	220.342.0000.5807
BUDGET AMOUNT:	**$32,000.00**		220.342.0000.5707

DISCUSSION:
Attached please find proposal from Claude H. Hurley Company to perform geotechnical services and material testing on the listed projects.

2002 Resurfacing, Project #01-02
2002 Slurry Seal & Micro-Surface, Project #05-02

Services to include inspection of trench backfill, base course, concrete ready-mix plants and asphalt supply plants. Services also to include testing and evaluation of design mixes and materials, field and laboratory testing and inspection of production concrete, asphalt and slurry seal as well as other materials and procedures as required.

The Claude H. Hurley Company and the Village have an approved annual master agreement in place. The unit prices in the master agreement are used to determine total estimated cost for work on individual proposals.

ATTACHMENT:
Proposal for engineering services with total cost not to exceed $28,873.00

RECOMMENDATION:
Staff recommends that Council place a motion to approve the proposal and authorize Claude H. Hurley Company to proceed with the engineering services, for the above mentioned projects, on the May 21, 2002 active agenda.

CLAUDE H. HURLEY COMPANY

Consulting Geotechnical Engineers

175 WEST FIRST STREET
ELMHURST, ILLINOIS 60126
PHONE (630) 279-7762
FAX (630) 279-7795

April 26, 2002

Public Works Engineering Division
Village of Downers Grove
5101 Walnut Avenue
Downers Grove, Illinois 60515

Attention: Mr. Scott L. Barr

Re: 2002 Resurfacing Project
Section No. 02-00000-01-GM and
2001 Slurry Seal and Micro-Surface Project
Section No. 02-00000-02-GM
Downers Grove, Illinois
HPN4-234-I

Gentlemen:

The following for your review and processing is the Claude H. Hurley Company Proposal to provide Construction Materials Engineering Services for the above referenced project.

Scope of Services

The following scope of services is based on the Village's April 19, 2002 Request for this Proposal, review of the Project Plans and Specifications, and previous experience on similar projects. The services will include:

1. Inspection of trench backfill and base course construction. Testing and evaluation of borrow materials.

2. Inspection of portland cement concrete (PCC) ready-mix plants, asphaltic concrete (AC) batch plants, and supply plants. Testing and evaluation of design mixes and materials.

3. Field and laboratory testing and inspection of production PCC, AC, Slurry Seal and Micro-Surface Material.

4. Inspection and testing of other materials and evaluation of procedures and criteria as required.

The work is to be done during Summer 2002. The scope of work will include an estimated 62 man-day involvement by Hurley Company Staff during various stages of the anticipated four-month construction period.

Payment for Services

The fee for the services will be determined by extension of the actual units of work and conventional unit fees for engineering services, field operations, and laboratory tests shown in a Professional Services Agreement of April 16, 2002 with the Village. Estimated quantities of work are provided for reference in the following. The total price of this Agreement shall not exceed $28,873.00. Any additional work which would increase the contract price beyond $28,873.00 must be pre-approved in writing by the Village.

	Estimated Number	Unit Fee	Estimated Amount
Engineering Services			
Engineering Technician III, Per Hour	16.0	$33.15	$ 530.40
Engineering Technician IV, Per Hour	16.0	35.70	571.20
Engineering Technician VI, Per Hour	366.0	45.90	16,799.40
Engineer V, Per Hour	16.0	45.90	734.40
Engineer VIII, Per Hour	8.0	71.40	571.20
Estimated Fee: Engineering Services			**$19,206.60**
Laboratory Tests			
PCC Cylinder Compression Test, Each	80	8.15	652.00
Moisture-Density Relationship Test Per AASHTO T-99, Each	-	112.00	-
Grain Size Analysis, Each	8	35.70	285.60
Sand Equivalent Test Per AASHTO T-176, Each	2	91.80	183.60
Atterberg Limit Determination, Each	-	61.20	-
AC Specimen Preparation and Testing, including Determination of Density by SHRP Gyratory Compactor, Ignition Extraction Test and Determination of Theoretical Density, Per Test	8	260.10	2,080.80
AC Specimen Extraction Test, Per Test	52	51.00	2,652.00
Analysis of AC Core, including Preparation of Specimen, Density Determination, and Thickness Measurement, Per Test	106	20.40	2,162.40

	Estimated Number	Unit Fee	Estimated Amount
Laboratory Tests (Continued)			
AC Specimen Preparation and Testing, Per AASHTO M208-87 and IDOT Section 1009.07 for Emulsified Asphalt.			
w/ Cationic Latex Modification, Per Test	2	$425.00	$ 850.00
w/o Cationic Latex Modification, Per Test	2	400.00	800.00
Estimated Fee: Laboratory Tests			**$ 9,666.40**
Estimated Total Fee			**$28,873.00**

Terms and Conditions

All terms and conditions of the April 16, 2002 Professional Services Agreement with the Village will apply to this Agreement.

Thank you for the opportunity to be of continuing service. Please indicate your acceptance of this Proposal 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.
President

CHH:nw

fc&cc: S. Barr (3)

ACCEPTED BY:

Date _____, 2002

VILLAGE OF DOWNERS GROVE
Downers Grove, Illinois

By _____
Jane M. Gerdes, P.E.
Assistant Director of Public Works - Engineering