

AUTHORIZING AN AGREEMENT FOR ENGINEERING SERVICES WITH FEHR GRAHAM & ASSOCIATES, LLC FOR THE 2022 GENERAL STREET MAINTENANCE PROGRAM, WITH A FEE NOT TO EXCEED \$170,000.

WHEREAS, the City of DeKalb (the "City") is a home rule unit of local government and may exercise any power and perform any function pertaining to its government and affairs pursuant to Article VII, Section 6, of the Illinois Constitution of 1970; and

WHEREAS, the City's corporate authorities may approve consulting engineering services agreements to advance the City's Annual Street Maintenance Program; and

WHEREAS, Fehr Graham & Associates, LLC (Fehr Graham) submitted a proposal for the 2022 General Street Maintenance Program with an estimated fee in an amount not to exceed \$170,000 in the form attached hereto and incorporated herein as Exhibit A (the "Agreement"); and

WHEREAS, the City's corporate authorities find that approving the Agreement is in the City's best interests for the protection of the public health, safety, morals and welfare; and

NOW, THEREFORE, BE IT RESOLVED BY THE COUNCIL OF THE CITY OF DEKALB, ILLINOIS:

SECTION 1: The City's corporate authorities approve, authorize and direct the City Manager to execute the Agreement with Fehr Graham for engineering services for the 2022 Street Maintenance for a fee not to exceed \$170,000 in the same or substantially similar form as Exhibit A attached hereto and incorporated herein, subject to such changes as may be acceptable to him.

SECTION 2: This resolution and each of its terms shall be the effective legislative act of a home rule municipality without regard to whether such resolution should (a) contain terms contrary to the provision of current or subsequent non-preemptive state law, or (b) legislate in a manner or regarding a matter not delegated to municipalities by state law. It is the intent of the City's corporate authorities that to the extent that the terms of this resolution should be inconsistent with any non-preemptive state law, that this resolution shall supersede state law in that regard within its jurisdiction.

SECTION 3: This resolution shall be in full force and effect from and after its passage and approval as provided by law.

PASSED BY THE CITY COUNCIL of the City of DeKalb, Illinois at a Regular meeting thereof held on the 14th day of February 2022 and approved by me as Mayor on the same day. Passed by an 8-0 roll call vote. Aye: Morris, Larson, Smith, Perkins, McAdams, Verbic, Faivre, Barnes. Nay: None.




COHEN BARNES, Mayor

ATTEST:



Ruth A. Scott, Executive Assistant

FEHR GRAHAM

ENGINEERING & ENVIRONMENTAL

January 27, 2021

Mr. Zachary Gill, PE
City Engineer
City of DeKalb
1216 Market Street
DeKalb, IL 60115

**Re: Proposal for Professional Engineering Services
City of DeKalb 2022 Various General Maintenance Streets Program**

Dear Mr. Gill,

Thank you for considering Fehr Graham for your professional engineering needs. We understand that the project scope includes the resurfacing, minor curb and gutter replacement, and minor sidewalk replacement in compliance with Americans with Disabilities Act (ADA) standards within the following streets:

Motor Fuel Tax (MFT) Funded Projects

1. Bid Package 1 – Hot-mix-asphalt (HMA) Pavement Resurfacing
 - a. Joanne Lane from Tilton Park Drive to Ileshamwood Drive
 - b. Buena Vista Drive from N. 1st Street to cul-de-sac
2. Bid Package 2 – HMA Pavement Resurfacing
 - a. 13th Street from Sycamore Road (IL Route 23) to Clark Street
 - b. 14th Street from E. Dresser Road to Clark Street

Local/Gas Tax Funded Projects

3. Bid Package 3 – Concrete curb/sidewalk replacements
 - a. Streets within “The Knolls” subdivision
4. Bid Package 4 – HMA Pavement Resurfacing (Hot In Place Recycling)
 - a. Knolls Avenue North and South from Annie Glidden Road

Community Development Block Grant (CDBG) Funded Projects

5. Bid Package 5 – HMA Pavement Resurfacing and Concrete curb/sidewalk replacements
 - a. Ridge Drive from Normal Road west to cul-de-sac
 - b. Concrete only along Greenbrier Road from Normal Road to W. Hillcrest
 - c. Concrete only along Arcadia Drive/Rushmore Drive from Annie Glidden Road to Ridge Drive

While we have identified funding sources for construction costs of each bid package, we understand that the City will be using MFT funds for all engineering design and construction engineering costs. Accordingly, the required Bureau of Local Roads (and Streets) (BLR) forms are included as attachments to this proposal.

SCOPE OF SERVICES

Our scope of services will include the following:

Design Engineering and Bid Documents for 2022 Streets Program shall include:

- Limited topographic survey to set limits for new ADA compliant sidewalks and crosswalks.
- Issue bid documents for the 2022 MFT streets program that include pavement resurfacing, spot curb and gutter replacement, and strategic sidewalk and ADA ramp replacement within the limits stated above.
- Fehr Graham will solicit bids, prepare tabulation of bids, and submit recommendation letter to City.
- Fehr Graham will coordinate execution of contract documents with awarded contractor/City/IDOT.

Construction Engineering shall include professional services for:

- Providing the city with an experienced resident engineer to ensure compliance with the project specifications as construction proceeds.
- Maintain a daily record of the contractor's activities throughout construction including sufficient information to permit the verification of the nature and cost of changes in plans and authorized extra work.
- Preparation and submission of partial and final payment estimates, change orders, records, and other reports/correspondence as requested by the City of DeKalb.

Materials Testing shall include:

- HMA Density Testing for new roadway surface
- PC Concrete Testing (Air, Slump, Strength for ADA Ramp Replacements)
- Pavement cores to determine the existing pavement cross section

EXCLUSIONS

The following items are **not** included in the scope of services proposed here:

- Deep Soil Borings
- Boundary and ROW Surveys
- Coordination/Permitting with IDOT District 3 and/or CDBG
- Traffic Studies
- Environmental Assessments and Studies
- Archeologic Surveys

- Design of roadway widening improvements (i.e. improvements beyond General Maintenance activities)
- NPDES erosion control inspections

SCHEDULE

All work is expected to be completed within your current budget year, with work concluding prior to December 31, 2022.

FEES

Considering the estimate provided, we are prepared to complete the scope of work on a time and materials basis as per the following schedule of fees:

Design Engineering/Bid Documents	\$ 36,400
Construction Engineering	\$109,200
Materials Testing and Pavement Cores	<u>\$ 25,000</u>
Total	\$170,600

*Construction engineering costs are estimated based on initial construction estimates. Construction engineering fees will not exceed 6% of actual construction costs as per agreement.

Subconsultant invoices (i.e. Testing Service Corporation, Materials Testing) will be marked up 15% for administrative and management costs. Services rendered will be invoiced monthly until completion of the project.

AUTHORIZATION

I trust that the information we have provided is in line with your expectations. If you would like for us to proceed with this project, please execute the attached Agreement for Professional Services and return a copy to my attention.

Respectfully submitted,



Jason T. Stoll, PE
Principal/Branch Manager

Enc: BLR 05520 Maintenance Engineering to be Performed by Consulting Engineer
BLR 11510 Contract Estimate of Cost
Agreement for Professional Services
Fehr Graham Employee Rate Sheet

**AGREEMENT
FOR PROFESSIONAL SERVICES**

Client Zachary Gill
 City of DeKalb
 164 E Lincoln Highway
 DeKalb, IL 60115

 815-748-2095

Description of Services:

City of DeKalb - 2022 Various General Maintenance Streets Program

Fehr Graham will provide professional engineering services for the City of DeKalb for various general maintenance of streets program in 2022, as outlined in the proposal letter dated January 27, 2022.


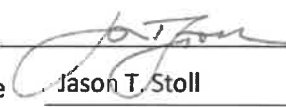
COST: You will be billed on a time and material basis as described in the proposal letter dated January 27, 2022.

The fee for performing the above services is estimated to be \$170,600.

The attached General Conditions are incorporated into and made a part of this Agreement.

ACCEPTED AND AGREED TO:

I/we, the undersigned, authorize Fehr Graham to provide services as outlined above, and also agree that I/we are familiar with and **ACCEPT THE TERMS OF THE ATTACHED GENERAL CONDITIONS.**

CLIENT:	CONSULTANT:
Signature 	By 
Name <u>Bill Nicklas</u>	Name <u>Jason T. Stoll</u>
Title <u>City manager</u>	Title <u>Principal</u>
Date Accepted <u>2-15-22</u>	Date Proposed <u>January 27, 2022</u>

GENERAL CONDITIONS TO AGREEMENT FOR PROFESSIONAL SERVICES

1. The Client requests the professional services of Fehr Graham hereinafter called "The Consultant" as described herein.
2. The Consultant agrees to furnish and perform the professional service described in this Agreement in accordance with accepted professional standards. Consultant agrees to provide said services in a timely manner, provided, however, that Consultant shall not be responsible for delays in completing said services that cannot reasonably be foreseen on date hereof or for delays which are caused by factors beyond his control or delays resulting from the actions or inaction of any governmental agency. Consultant makes no warranty, expressed or implied, as to his findings, recommendations, plans and specifications or professional advice except that they were made or prepared in accordance with the generally accepted engineering practices.
3. It is agreed that the professional services described in the Agreement shall be performed for Client's account and that Client will be billed monthly for said services. A 1½% per month service charge will be incurred by Client for any payment due herein and not paid within 30 days of such billing which is equal to an ANNUAL PERCENTAGE RATE OF 18%. Partial payments will be first credited to the accrued service charges and then to the principal.
4. The Client and the Consultant each binds himself, his partners, successors, executors, and assigns to the other party to this agreement and to the partners, successor, executors, and assigns of such other party in respect to this agreement.
5. The Client shall be responsible for payment of all costs and expenses incurred by the Consultant for his account, including any such monies that the Consultant may advance for Client's account for purposes consistent with this Agreement.
6. The Consultant reserves the right to withdraw this Agreement if not accepted within 30 days.
7. A claim for lien will be filed within 75 days of the date of an invoice for services (last day of services rendered) unless the account is paid in full or other prior arrangements have been made. All attorney fees incurred by the Consultant due to the filing of said lien or the foreclosure thereof shall be borne by the Client.

In the event suit must be filed by Consultant for the collection of fees for services rendered, Client will pay all reasonable attorney's fees and court costs.

If Client defaults in payment of fees or costs due under the terms of this Agreement and Consultant incurs legal expenses as a result of such failure, Client shall be responsible for payment for Consultant's reasonable attorney fees and costs so incurred.

8. The Consultant shall present, for the consideration of the Client, engineering and technical alternatives, based upon its knowledge and experience in accordance with accepted professional standards, with selection of alternatives and final decisions as requested by the client to be the sole responsibility of the Client.
9. Construction Phase Activities (When applicable) - In connection with observations of the work of the Contractor(s) while it is in progress the Consultant shall make visits to the site at intervals appropriate to the various stages of construction as the Consultant deems necessary in Agreement to observe as an experienced and qualified design professional the progress and quality of the various aspects of the Contractor(s)'s work. Based on information obtained during such visits and on such observation, the Consultant shall endeavor to determine in general if such work is proceeding in accordance with the Contract Documents and the Consultant shall keep the Client informed of the progress of the work.

The purpose of the Consultant's visits to the site will be to enable the Consultant to better carry out the duties and responsibilities assigned to and undertaken by the Consultant during the Construction Phase, and, in addition, by exercise of the Consultant's efforts as an experienced and qualified design professional, to provide for the Client a greater degree of confidence that the completed work of the Contractor(s) will conform generally to the Contract Documents and that the integrity of the design concept as reflected in the Contract Documents has been implemented and preserved by the Contractor(s). The Consultant shall not, during such visits or as a result of such observations of Contractor(s)' work in progress, supervise, direct or have control over Contractor(s)' work nor shall the Consultant have authority over or responsibility for the means, methods, techniques, sequences, or procedures of construction selected by Contractor(s), for safety precautions and programs incident to the work of Contractor(s) or for any failure of Contractor(s) to comply with laws, rules, regulations, ordinances, codes, or orders applicable to Contractor(s) furnishing and performing their work. Accordingly, the Consultant can neither guarantee the performance of the construction contracts by Contractor(s) nor assume responsibility for Contractor(s)' failure to furnish and perform their work in accordance with the Contract Documents.

10. Estimates of Fees – When fees are on a time and material basis the estimated costs required to complete the services to be performed are made on the basis of the Consultant's experience, qualifications, and professional judgment, but are not guaranteed. If the costs appear likely to exceed the estimate in excess of 20%, the Consultant will notify the Client before proceeding. If the Client does not object to the additional costs within seven (7) days of notification, the increased costs shall be deemed approved by the Client.
11. The Consultant is responsible for the safety on site of his own employees. This provision shall not be construed to relieve the Client or the Contractor(s) from their responsibility for maintaining a safe work site. Neither the professional services of the Consultant, nor the presence of his employees or subcontractors shall be construed to imply that the Consultant has any responsibility for any activities on site performed by personnel other than the Consultant's employees or subcontractors.
12. Original survey data, field notes, maps, computations, studies, reports, drawings, specifications and other documents generated by the Consultant are instruments of service and shall remain the property of the Consultant. The Consultant shall provide copies to the Client of all documents specified in the Description of Services.

Any documents generated by the Consultant are for the exclusive use of the Client and any use by third parties or use beyond the intended purpose of the document shall be at the sole risk of the Client. To the fullest extent permitted by law, the Client shall indemnify, defend and hold harmless the Consultant for any loss or damage arising out of the unauthorized use of such documents.

13. No claim may be asserted by either party against the other party unless an action on the claim is commenced within two (2) years after the date of the Consultant's final invoice to the Client.
14. If a Client's Purchase Order form or acknowledgment or similar form is issued to identify the agreement, authorize work, open accounts for invoicing, provide notices, or document change orders, the preprinted terms and condition of said Purchase Order shall be superseded by the terms hereof.
15. Standard of Care – Services performed by Consultant under this agreement will be conducted in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions. No other representation expressed or implied, and no warranty or guarantee is included or intended in any report, opinion or document under this agreement.
16. Liability Insurance – Consultant will maintain such liability insurance as is appropriate for the professional services rendered as described in this Agreement. Consultant shall provide Certificates of Insurance to Client, upon Client's request, in writing.
17. Indemnification and Limitation of Liability – Client and Consultant each agree to indemnify and hold the other harmless, including their respective officers, employees, agents, members, and representatives, from and against liability for all claims, costs, losses, damages and expense, including reasonable attorney's fees, to the extent such claims, losses, damages or expenses are caused by the indemnifying party's acts, errors or omissions.

The Client understands that for the compensation herein provided Consultant cannot expose itself to liabilities disproportionate to the nature and scope hereunder. Therefore, the Client agrees to limit Consultant's liability to the Client arising from Consultant's professional acts, errors or omissions, such that the total aggregate liability of Consultant shall not exceed \$50,000 or Consultant's total fee for services rendered on this Project, whichever is less.

18. Allocation of Risk – Consultant and Client acknowledge that, prior to the start of this Agreement, Consultant has not generated, handled, stored, treated, transported, disposed of, or in any way whatsoever taken responsibility for any toxic substance or other material found, identified, or as yet unknown at the Project premises. Consultant and Client further acknowledge and understand that the evaluation, management, and other actions involving toxic or hazardous substances that may be undertaken as part of the Services to be performed by Consultant, including subsurface excavation or sampling, entails uncertainty and risk of injury or damage. Consultant and Client further acknowledge and understand that Consultant has not been retained to serve as an insurer of the safety of the Project to the Client, third parties, or the public.

Client acknowledges that the discovery of certain conditions and/or taking of preventative measures relative to these conditions may result in a reduction of the property's value. Accordingly, Client waives any claim against Consultant and agrees to indemnify, defend, and hold harmless Consultant and its subcontractors, consultants, agents, officers, directors, and employees from any claim or liability for injury or loss allegedly arising from procedures associated with environmental site assessment (ESA) activities or the discovery of actual or suspected hazardous materials or conditions. Client releases Consultant from any claim for damages resulting from or arising out of any pre-existing environmental conditions at the site where the work is being performed which was not directly or indirectly caused by and did not result from, in whole or in part, any act or omission of Consultant or subcontractor, their representatives, agents, employees, and invitees.

If, while performing the Services set forth in any Scope of Services, pollutants are discovered that pose unanticipated or extraordinary risks, it is hereby agreed that the Scope of Services, schedule, and costs will be reconsidered and that this Agreement shall immediately become subject to renegotiation or termination. Client further agrees that such discovery of unanticipated hazardous risks may require Consultant to take immediate measures to protect health and safety or report such discovery as may be required by law or regulation. Consultant shall promptly notify Client upon discovery of such risks. Client, however, hereby authorizes Consultant to take all measures Consultant believes necessary to protect Consultant and Client personnel and the public. Furthermore, Client agrees to compensate Consultant for any additional costs associated with such measures.

19. In the event of legal action to construe or enforce the provisions of this agreement, the prevailing party shall be entitled to collect reasonable attorney fees, court costs and related expenses from the losing party and the court having jurisdiction of the dispute shall be authorized to determine the amount of such fees, costs and expenses and enter judgment thereof.
20. Termination – The obligation to provide further services under this Agreement may be terminated by either party upon seven (7) days written notice in the event of substantial failure by the other party to perform in accordance with the terms hereof through no fault of the terminating party. In the event of any termination, Consultant will be paid for all services rendered to the date of receipt of written notice of termination, at Consultant's established chargeout rates, plus for all Reimbursable Expenses including a 15% markup.
21. Provision Severable – The unenforceability or invalidity of any provisions hereof shall not render any other provisions herein contained unenforceable or invalid.
22. Governing Law and Choice of Venue – Client and Consultant agree that this Agreement will be governed by, construed, and enforced in accordance with the laws of the State of Illinois. If there is a lawsuit, Client and Consultant agree that the dispute shall be submitted to the jurisdiction of the Illinois District Court in and for Stephenson County, Illinois.



Local Public Agency	County	Section Number
City of DeKalb	DeKalb	22-00000-00-GM

The services to be performed by the consulting engineer, pertaining to the various items of work included in the estimated cost of the maintenance operations (BLR 14222), shall consist of the following:

PRELIMINARY ENGINEERING shall include:

Investigation of the condition of the streets or highways for determination (in consultation with the local highway authority) of the maintenance operations to be included in the maintenance program; preparation of the maintenance resolution (BLR 14220 for municipalities and counties), maintenance estimate of cost and, if applicable, proposal; attendance at meetings of the governing body as may reasonably be required; attendance at public letting; preparation of the contract, quotations, and/or acceptance (BLR 12330) form. Also, preparation of the maintenance expenditure statement which must be submitted to IDOT within 3 months of the end of the maintenance period.

ENGINEERING INSPECTION shall include:

Furnishing the engineering field inspection, including preparation of payment estimate for contract, material proposal and/or deliver and install proposal and/or checking material invoices of those maintenance operations requiring engineering field inspection. For operations requiring material testing ensure the testing is completed by a qualified firm.

For furnishing preliminary engineering, the engineer will be paid a base fee PLUS a negotiated fee percentage. Only one base fee can be charged per maintenance period. For furnishing engineering inspection, the engineer will be paid a negotiated fee percentage. The negotiated preliminary engineering fee percentage for each maintenance group shown in the "Schedule of Fees" shall be applied to the total estimated costs of that group. The negotiated fee for engineering inspection for each maintenance group shall be applied to the total final cost of that group for the times which required engineering inspections. In no case shall this be construed to include supervision of the contractor operations.

SCHEDULE OF FEES

Total of all Maintenance Operations:

<= \$20,000 Base Fee > \$20,000 Base Fee = \$1,250.00

Maintenance Engineering Category	Preliminary Engineering		Engineering Inspection		Operation(s) to be Inspected
	Maximum Fee %	Negotiated Fee %	Maximum Fee %	Negotiated Fee %	
I	NA	NA	NA	NA	NA
IIA	2%		1%		
IIB	3%		3%		
III	4%		4%		
IV	5%	2%	6%	6%	

The LPA certifies that the selection of the ENGINEER was performed in accordance with the Local Government Professional Service Selection Act 50 (ILCS 510/1-510/8) and procedures outlined in Chapter 5 of the DEPARTMENT's Bureau of Local Roads and Streets Manual.

BY:
Local Public Agency Signature Date

Title
City Engineer

BY:
Consulting Engineer Signature Date
J. Stoll 1/24/22

Title
Principal/Branch Manager

P.E. Seal Date

 1/24/22

Approved:
Regional Engineer, IDOT Date



Instructions for BLR 11510

This form shall be used when a Local Public Agency (LPA) will be letting a project for bid. List each pay item with the estimated quantity and unit price. For more information see Chapter 11 of the Bureau of Local Roads and Street Manual(BLRS Manual).

Local Public Agency	Insert the name of the LPA.
County	Insert the name of the county in which the LPA is located.
Section Number	Insert the section for this project.
Route(s)/Street-Road Name	Insert the Route/Street-Road Name that is estimate covers.
Project Length	Insert the length of the project in miles.
Project Termini	Insert the beginning and ending termini for the project.
Item Number	Insert the item number for the pay item listed to the right.
Item	Insert the name of the item as it corresponds to the item number listed to the left.
Unit of Measure	Insert the unit of measure for the item listed to the left.
Quantity	Insert the estimated quantity for the item listed.
Unit Price	Insert the unit price for the item listed.
Total Estimated Cost	This is a calculated field, no entry necessary, it is the total of the estimated quantity times the unit price.
Total Overall Estimated Cost	This is a calculated field, no entry necessary; it is the sum of the total estimated cost for all items.
Add	Use the Add button to add additional line to the form for additional pay items.
Prepared By	Insert the name of the person preparing this document along with the date prepared.
Verified By	Insert the name of the person verifying the information in this document along with the verification date.

A minimum of four (4) originals must be submitted to the Regional Engineer's District office.

Distribution will be as follows:

LPA Clerk
Engineer (Municipal, Consultant or County)
District File
Central Bureau of Local Roads and Streets (For non GM projects)

FEHR GRAHAM

ENGINEERING & ENVIRONMENTAL

2021 Personnel Chargeout Rates

Principal	\$200 - 250
Sr. Project Manager	\$150 – 215
Project Manager	\$110 – 215
Engineering:	
Lead Structural Engineer	\$175 - 185
Sr. Project Engineer	\$110 – 180
Project Engineer	\$100 – 170
CAD Manager	\$115 – 125
Staff Engineer	\$ 90 – 110
Designer	\$100 – 120
Engineer	\$ 80 – 150
Structural Engineer	\$ 85 – 150
Sr. Engineering Technician	\$ 80 – 145
Associate Engineering Technician	\$ 70 – 110
Engineering Technician	\$ 50 – 100
Landscape Architect	\$ 75 – 95
GIS Specialist	\$ 80 – 90
Surveying:	
Survey Manager	\$160 – 170
Land Surveyor	\$ 90 – 160
Survey Crew Chief	\$ 85 – 105
Surveyor	\$ 80 – 90
Survey Technician	\$ 70 – 80
Environmental, Health and Safety:	
Sr. EHS Scientist	\$110 – 150
EHS Project Scientist	\$110 – 130
EHS Scientist	\$ 90 – 130
EHS Specialist	\$ 60 – 110
EHS Technician	\$ 60 – 110
Project Hydrogeologist	\$ 80 – 110
Geologist	\$ 70 – 90
Hydrogeologist	\$ 70 – 90
I.T. Consultant	\$ 70 – 150
Grant Writer / Community Development Specialist	\$ 90 – 110
Project Coordinator	\$170 – 180
Project Administrator	\$ 70 – 110
Project Assistant	\$ 72

Charges for expert testimony will be at a rate 1.5 times the standard hourly rate. Minimum 4 hours. Overtime hours charged at standard rates when Fehr Graham controls scheduling. Reimbursable Direct Expenses will be charged at invoice cost + 15%.

FEHR GRAHAM

ENGINEERING & ENVIRONMENTAL

FEHR GRAHAM 2021 EQUIPMENT CHARGEOUT SCHEDULE

<u>Item</u>	<u>Rate</u>
I. <u>Sampling Equipment</u>	
A. General Groundwater Sampling Equipment	\$315.00/day
B. General Soil Sampling Equipment	\$150.00/day
C. Submersible Pump (Includes Generator)	\$104.00/day
D. Battery Operated Submersible Purge Pump	\$36.00/day
E. Disposable Bailer	\$15.00/each
F. Mini-Troll Data Logger	\$106.00/day
G. Interface Probe	\$51.00/day
H. Environmental Field Vehicle	\$50/day or \$25/half-day
I. Solids Analysis Equipment	\$50/sample
II. <u>Safety Equipment</u>	
A. Confined Space Entry Safety Equipment	\$36.00/hour, 4 hr. Minimum
B. Photo Ionization Detector (Mini-Rae)	\$106.00/day
C. Combustible and Oxygen Meter	\$100.00/day
III. <u>Surveying and CAD Equipment</u>	
A. Total Station Equipment	\$20.00/hour
B. GPS Equipment	\$20.00/hour
C. CAD Equipment	\$10.00/hour
D. Per Day Use of Fully Equipped Survey Vehicle/Half-Day Usage	\$68.00/day or \$34/half-day
E. Leica Scanner	\$30.00/hour
IV. <u>Miscellaneous</u>	
A. Coliwasa Sampler	\$25.00/each
B. Field Filters	\$30.00/each
C. Monitoring Well Cap	\$30.00/each
D. Monitoring Well Locks	\$20.00/each
E. pH/Conductivity Meter(s)	\$30.00/day
F. Quest Noise Survey Meter/Dosimeter	\$86.00/day
G. Y S I D.O. Meter	\$46.00/day
H. ISCO Wastewater Sampler	\$100.00/day
I. ISCO Flow Meter	\$100.00/day
J. DOT Training Materials	\$25.00/each participant
K. Residual Chlorine Meter	\$25.00/day
L. Electronic Water Level Indicator	\$30.00/day
M. Cable Locator	\$50.00/day
N. ATV	\$50.00/day

1. Reimbursable Direct Expenses will be charged at invoice cost + 15%.
2. Vehicle Mileage (Where Applicable) \$0.575 per mile
3. Reproduction, postage, handling of plans for bidding and third-party use are Direct Expenses. (Blueprints \$1.00/page)