

**RESOLUTION
R 75-13**

A RESOLUTION AUTHORIZING AN AMENDMENT TO A PROFESSIONAL SERVICES CONTRACT INVOLVING AN INCREASE IN THE DOLLAR AMOUNT OF THE CONTRACT OF \$10,000 OR MORE AND/OR EXTENDING THE TIME IN WHICH THE CONTRACT IS TO BE COMPLETED BY THIRTY (30) DAYS OR MORE

WHEREAS, pursuant to Illinois Compiled Statutes, Chapter 720, Section 5/33E-9, units of local government are required to make specific findings prior to authorizing any amendment relative to a contract which would increase or decrease the dollar amount of the contract by \$10,000 or more, or would extend or shorten the time in which the contract is to be completed by thirty (30) days or more; and

WHEREAS, staff has presented and recommended the proposed amendment to the contract between the Village of Lombard and Testing Service Corporation regarding the Geotechnical Engineering, Construction Material Testing and Environmental Services Contract, as attached hereto as Exhibit "A" and made part hereof, (the "Amendment") to the Corporate Authorities of the Village of Lombard; and

WHEREAS, said Amendment attached hereto as Exhibit "A" would allocate a budget of \$50,000.00, for Fiscal Year 13 (January 1, 2013 to December 31, 2013)

WHEREAS, said Amendment attached hereto as Exhibit "A" would extend the time period in which the contract is to be completed to December 31, 2013.

NOW, THEREFORE, BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF LOMBARD, DU PAGE COUNTY, ILLINOIS, as follows:

SECTION 1: That after reviewing the explanation of staff as to the necessity of and reasons for the Amendment attached hereto as Exhibit "A", the President and Board of Trustees find as follows:

- A That the circumstances which necessitated said Amendment were not reasonably foreseeable at the time the contract was entered into.
- B That the basis of the Amendment was not within the contemplation of the contract when the contract was signed.
- C That it is in the best interests of the Village of Lombard to approve the Amendment in its proposed form.

- D. That to the extent that it may have been necessary to go to bid relative to the work contemplated by said Amendment, bidding is hereby specifically waived as to the Amendment work.

SECTION 2: That having made the findings set forth in Section 1 above, the President and Board of Trustees hereby approve the Amendment attached hereto as Exhibit "A", and direct and authorize the Village President and Village Clerk to execute said Amendment on behalf of the Village.

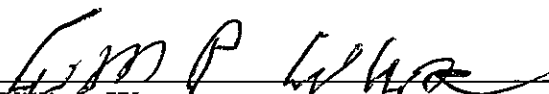
Adopted this 17th day of January, 2013, pursuant to a roll call vote as follows:

Ayes: None

Nays: None

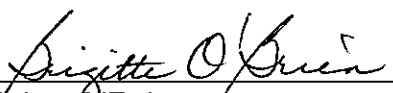
Absent: None

Approved by me this 17th day of January, 2013.



William Ware
Acting Village President

ATTEST:



Brigitte O'Brien
Village Clerk

2011 STAFF FEE TABLE
Village of Lombard Contract M-12-01
(Year 2 and ½ year Extension)
Expires December 31, 2013

Testing Services Corporation

Included are staff rates for all anticipated personnel for the contract. A few items related to the Fee Schedule deserve clarification.

Engineering/Report Preparation Time: For geotechnical/drilling reports, anticipated charges for engineering services are clearly spelled in project specific proposals when requested. For CME services, engineering charges for summary report preparation are assessed at the Project Engineer's hourly rate, as stated in the Fee Schedule. Typically, these charges for engineering report preparation represent an additional 2-4% (dollar value) above the hourly technician rates. Reasonable incidental engineering contacts such as phone calls, occasional site visits and special attention to project details usually are not invoiced but rather are considered part of the overall project scope.

Incidental Items: Such items as secretarial services, draftsman and computer time are generally considered incidental to overhead in production CME services/reports. These are shown as line items on the Fee Schedule only for special projects and some Geotechnical Reports which require extensive use of such services.

STAFF	UNIT	RATE
Principal Engineer	Hour	170.00
Structural Engineer (S.E.)	Hour	155.00
Senior Professional Engineer (P.E.)	Hour	130.00
Project Engineer (E.I. or P.E.)	Hour	110.00
QA Manager (EI or PE)	Hour	100.00

CME - FIELD & PLANT (QC/QA Inspectors)	UNIT	RATE
Material Tester I (Site Inspector of PCC & HMA)	Hour *	109.50
Material Tester II (Plant Inspector & Soils Inspector)	Hour *	112.50

*The time is portal-to-portal from the Carol Stream office. Increase hourly rate by 1.3 for over 8.0 hours per day, Saturday and/or Sunday work. Holiday work is 1.5 times standard rate. The minimum daily charge is four (4) hours for 0-4 hours. Work cancelled on the scheduled day will be a 4 hour charge. Includes secretary/computer time and 3 copies of final report. Engineering services for summary report preparation are invoiced at the Project Engineer's Hourly Rate.

GEOTECHNICAL FIELD/OTHER SUPPORT	UNIT	RATE
One Person Survey Crew	Hour	90.00
Two Person Survey Crew	Hour	147.50
One Person Coring Crew with Van	Hour	150.00
Two Person Coring Crew with Core Van	Hour	280.00
Flagperson/Traffic Control*	Hour	90.00
Secretary	Hour	56.50
Laboratory Supervisor	Hour	80.00

*this work will be performed by a subconsultant and billed at cost.

EQUIPMENT, LABORATORY & DRILLING FEE TABLE

DRILLING FEES

GEOTECHNICAL - FIELD	RATE	UNIT
Truck Mounted Drill Mobilization	450.00	Each
All-Terrain Vehicle (ATV) Mobilization	600.00	Each
Advance Bore Holes by Solid Auger, Hollowstem or Rotary 0-25'	17.50	Lineal ft.*
Advance Bore Holes by Solid Auger, Hollowstem or Rotary 25'- 50'	23.50	Lineal ft.*
Obtain Soil Samples by Split Spoon Method (ASTM D 1586-84)	24.00	Each
Obtain Soil Samples by Auger Methods	13.50	Each
Surcharge for Drilling with an ATV unit	2.45	Lineal Ft.
Rock Coring (NX)	50.00	Lineal Ft.
Rock Coring Setup	400.00	Each
Coring of Asphalt (4" D Core) - Diamond Bit Replacement	2.60	Inch
Coring of Concrete (4" D Core) - Diamond Bit Replacement	3.75	Inch
Coring of Reinforced Concrete (4" D Core) - Diamond Bit Replacement	3.75	Inch

*Assumes Normal drilling (Less than 60 blows per foot). Add 15% for hard drilling (More than 60 blows per foot).

LABORATORY FEES

COMPACTION	RATE	UNIT
Illinois or California Bearing Ratio (IBR/CBR)	185.00	Each
Illinois or California Bearing with supporting tests	475.00	Each
Standard Proctor 4" mold (ASTM D-698)	165.00	Each
Modified Proctor 4" mold (ASTM D-1557)	175.00	Each
SOILS		
Visual Classification, Includes QP (ASTM D-653,2487,2488)	4.00	Each
Moisture Content (ASTM D-2216)	6.25	Each
Unit Weight (ASTM D-2937)	6.50	Each
Unconfined Compressive Strength Qu (ASTM D-2166)	12.00	Each
Index Testing of Thin-Walled Tube/Jar (visual, moisture, unit weight, Qu)	27.00	Each
Sieve Analysis with #200 Wash	85.00	Each
Sieve Analysis with Hydrometer	140.00	Each
Liquid and Plastic Limits, Plasticity Index Atterberg Limits (ASTM D-4318)	72.50	Each
Organic Test - Loss on Ignition	42.50	Each
Organic Test - Wet Combustion (IDOT)	75.00	Each
Permeability: Constant Head ASTM D-2435	185.00	Each
Triaxial Method IEPA & ASTM D-5084	325.00	Each
Test for Corrosive Soils(ductile Iron Pipe Research Institute): Moisture Determination	6.25	Each
Sulfide Determination	38.50	Each
Resistivity	38.50	Each
Oxidation-Reduction Potential	38.50	Each
Ph	38.50	Each
Complete Set	29.00	Each
	135.00	Each

AGGREGATES	RATE	UNIT
Sieve Analysis - including finer than #200 (fine & coarse)	80.00	Each
Specific Gravity & Absorption-Coarse (combined)	120.00	Each
PCC AND MORTAR		
Concrete Cylinders (includes plastic Mold):		
Compressive Strength (ASTM C-39)	16.25	Each
Spare/Handling Charge	16.25	Each
Concrete Cores-Compressive Strength with Length Measurement	42.00	Each
Density Measurement	21.00	Each
BITUMINOUS		
Extraction for Asphalt with Sieve Analysis:		
Unwashed Sieve Analysis	195.00	Each
Washed Sieve Analysis	215.00	Each
Asphalt content only	150.00	Each
Stability, Flow and Bulk Density (550) - Marshall (Astm D-1559):		
Set of 3 Specimens	190.00	Each
With Percent Voids and Theoretical Maximum Density	265.00	Each
Bulk Density of Core Specimens (ASTM D-2726)	40.00	Each
Maximum Specific Gravity of Asphaltic Mix-Vacuum Pycnometer Method	90.00	Each
Compaction of Bituminous Mixture by Gyrotory Methods and Bulk Specific Gravity Test	185.00	Set of Two
Theoretical Maximum Specific Gravity of Paving Mixture	90.00	Each
Calibration of Ignition Oven for Asphalt Content by IDOT Methods	650.00	Each
Determination of Asphalt Content by Ignition Oven	100.00	Each
Determination of Asphalt Content by Ignition Oven- with Washed Gradation	175.00	Each

EQUIPMENT FEES

EQUIPMENT	RATE	UNIT
Cone Penetrometer	N/C	Day
Nuclear Moisture/Density Gauge	N/C	Day
MISCELLANEOUS		
Mileage - light Vehicle	0.60	Mile
Sample Pick-up Services	60.00	Trip

ENVIRONMENTAL ENGINEERING FEE SCHEDULE SERVICES

STAFF	UNIT	RATE
Department Manager	Hour	150.00
Section Manager	Hour	120.00
Geologist/Environmental Scientist	Hour	100.00
Environmental Specialist	Hour	85.00

EQUIPMENT	UNIT	RATE
Photoionization Detector	Day	100.00

ANALYTICAL TESTING	UNIT	RATE
Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)	Per Sample	60.00
Polynuclear Aromatic Hydrocarbons (PNAs)	Per Sample	150.00
Metals RCRA (8)	Per Sample	126.00
Volatile Organic Compounds (VOCs)	Per Sample	180.00
Asbestos	Per Sample	12.50
Preservation for BTEX/VOCS (soil Samples)	Per Sample	16.00

IEPA FORM LPC-663, UNCONTAMINATED SOIL CERTIFICATION	UNIT	RATE
VOCs, PNAs, Lead and pH - Standard 5 to 7 Day Turnaround	Each	394.00
Surcharge for 3-Day Turnaround	Each	394.00
Supplemental Analytical Testing if Required Job Specific	Each	Job Specific
Environmental Data Review, Project Management, Prepare Summary Report with Form LPC-663 signed by PE if uncontaminated	Lump Sum	500.00
Senior Engineer to Consult or Attend Project Meeting	Hour	150.00
Geologist/Environmental Specialist	Hour	100.00

Direct expenses will be charged at cost.

**RESOLUTION
R 76-13**

A RESOLUTION AUTHORIZING AN AMENDMENT TO A PROFESSIONAL SERVICES CONTRACT INVOLVING AN INCREASE IN THE DOLLAR AMOUNT OF THE CONTRACT OF \$10,000 OR MORE AND/OR EXTENDING THE TIME IN WHICH THE CONTRACT IS TO BE COMPLETED BY THIRTY (30) DAYS OR MORE

WHEREAS, pursuant to Illinois Compiled Statutes, Chapter 720, Section 5/33E-9, units of local government are required to make specific findings prior to authorizing any amendment relative to a contract which would increase or decrease the dollar amount of the contract by \$10,000 or more, or would extend or shorten the time in which the contract is to be completed by thirty (30) days or more; and

WHEREAS, staff has presented and recommended the proposed amendment to the contract between the Village of Lombard and Seeco Consultants, Inc. regarding the Geotechnical Engineering, Construction Material Testing and Environmental Services Contract, as attached hereto as Exhibit "A" and made part hereof, (the "Amendment") to the Corporate Authorities of the Village of Lombard; and

WHEREAS, said Amendment attached hereto as Exhibit "A" would allocate a budget of \$50,000.00, for Fiscal Year 13 (January 1, 2013 to December 31, 2013)

WHEREAS, said Amendment attached hereto as Exhibit "A" would extend the time period in which the contract is to be completed to December 31, 2013.

NOW, THEREFORE, BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF LOMBARD, DU PAGE COUNTY, ILLINOIS, as follows:

SECTION 1: That after reviewing the explanation of staff as to the necessity of and reasons for the Amendment attached hereto as Exhibit "A", the President and Board of Trustees find as follows:

- A That the circumstances which necessitated said Amendment were not reasonably foreseeable at the time the contract was entered into.
- B. That the basis of the Amendment was not within the contemplation of the contract when the contract was signed.
- C. That it is in the best interests of the Village of Lombard to approve the Amendment in its proposed form.

- D. That to the extent that it may have been necessary to go to bid relative to the work contemplated by said Amendment, bidding is hereby specifically waived as to the Amendment work.

SECTION 2: That having made the findings set forth in Section 1 above, the President and Board of Trustees hereby approve the Amendment attached hereto as Exhibit "A", and direct and authorize the Village President and Village Clerk to execute said Amendment on behalf of the Village.


Adopted this 17th day of January, 2013, pursuant to a roll call vote as follows:

Ayes: None

Nays: None

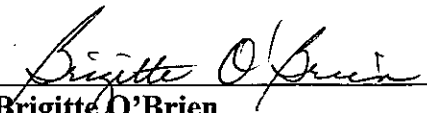
Absent: None

Approved by me this 17th day of January, 2013.



William Ware
Acting Village President

ATTEST:



Brigitte O'Brien
Village Clerk

Construction Monitoring &
Observations
Construction Materials Testing
Tunnels and Underground Openings
Geotechnical Engineering &
Evaluation

SEECO Consultants Inc.
CONSULTING ENGINEERS

Subsurface Explorations
Foundation Analysis & Design
Structural Rehabilitation
Condition Surveys
Dams and Drainage Studies

May 7, 2012

Mr. Ray Schwab
Village of Lombard
Public Works Building
1051 Hammerschmidt Avenue
Lombard, Illinois 60148-3926

RE: Contract M-12-01

Dear Mr. Schwab:

Enclosed herewith are two (2) copies of SEECO Consultants, Inc.'s Schedule of Fees for June 1, 2012 through December 31, 2013.

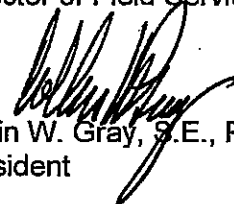
We appreciate the opportunity to continue working with the Village.

Respectfully submitted,

SEECO Consultants, Inc.



Donald C. Cassier
Director of Field Services



Collin W. Gray, S.E., P.E.
President

DCC
Attachments:
Schedule of Fees

SEECO Consultants Inc.
SCHEDULE OF FEES – June 1, 2012 Through December 31, 2013

Village of Lombard-Contract M-12-01

<u>DESCRIPTION</u>	<u>UNIT</u>	<u>UNIT PRICE</u>
PROFESSIONAL PERSONNEL SERVICE		
Chief Engineer	Hour	\$170.00
Principal Engineer	Hour	\$170.00
Senior Geotech/Materials Engineer	Hour	\$140.00
Project Materials/Geotech Engineer	Hour	\$125.00
Project Environmental Engineer	Hour	\$125.00
Staff Engineer	Hour	\$110.00
Field Engineer	Hour	\$110.00
Environmental Geologist	Hour	\$ 99.00
TECHNICAL AND SUPPORT PROFESSIONAL SERVICES		
Lab/Engineer Technician	Hour	\$ 99.00
Senior Technician-IDOT Level 1 or 2	Hour	\$106.00
QA Manager/IDOT Level 3	Hour	\$120.00
Draftsman/CAD Operator	Hour	\$ 92.00
Secretary	Hour	\$ 59.00
Pickup of Samples	Hour	\$ 90.00
REPRODUCTION COSTS		
Photocopies	Each	Included
Bluelines	Each.	\$ 4.00
Paper Sepias, 24" x 36"	Each	\$ 6.00
Reproducibles on Mylar, 24" x 36"	Each	\$ 10.00
DRILLING, SAMPLING, AND CORING		
Mobilization/Demobilization of Truck Mounted Rotary Rig, Tools and Two Man Drilling Crew Per Rig	Job	\$425.00
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	Lin. Ft.	\$ 28.50
50-100 Foot Depth	Lin. Ft.	\$ 34.00
Shelby Tube Samples, 2" O.D.	Each	\$ 50.00
Shelby Tube Samples, 3" O.D.	Each	\$ 55.00
(Minimum Project Drilling Charge - \$2,100.00)		
Bag Samples at Specified Depth, for Proctor Test	Each	\$ 52.00
Rock Coring – Set Up	Each	\$230.00
NX Size Coring	Lin Ft.	\$ 68.00
Photoionization Detector	Day	\$ 80.00
2 Man Drill Crew-Specialized Tasks	Hour	\$325.00

LABORATORY TESTING (SOILS)		
Visual Classification, Including Pocket Penetrometer Readings	Each	\$ 6.00
Moisture Content Determination (ASTM D 2216)	Each	\$ 6.50
Sieve Analysis, Dry, 7 Sieves	Each	\$ 95.00
Sieve Analysis, Washed, 7 Sieves	Each	\$110.00
Combined Hydrometer and Sieve Analysis (ASTM D 422)	Each	\$175.00
Atterberg Limits, LL, PL (ASTM D 423, 424)	Each	\$ 90.00
Specific Gravity Determination (ASTM D 854)	Each	\$ 63.00
Nuclear Moisture/Density Gauge	Day	\$ 64.00
Standard Proctor Compaction (ASTM D 698)	Each	\$180.00
Modified Proctor Compaction (ASTM D 1557)	Each	\$190.00
Illinois Bearing Ratio Test, Including Proctor Density	Each	\$495.00
Density Determination, Including Moisture Content Test	Each	\$ 25.00
LABORATORY TESTING (CONCRETE AND ASPHALT)		
Concrete Mix Design, Per Mix (Review)	Each	\$315.00
Concrete Aggregate Test:		
Fine Aggregate Sieve Analysis	Each	\$110.00
Coarse Aggregate Sieve Analysis	Each	\$110.00
Fine Aggregate – Specific Gravity and Absorption	Each	\$137.00
Coarse Aggregate – Specific Gravity and Absorption	Each	\$137.00
Concrete Cylinder Test	Each	\$ 20.00
Reflux Extraction Test	Each	\$160.00
Marshall Stability Test	Each	\$245.00
Gyratory Compaction Test	Each	\$380.00

Laboratory Testing (Environmental) project specific quotes obtained on a project by project basis since environmental laboratory charges are based on quantity and schedule. This approach will offer the Village the best costs. Subcontracted services will be invoiced at cost.

Overtime rates of 1.3 times the standard rate are applicable for hours in excess of eight per day and 1.5 times the standard rate for weekends and holidays. Four (4) hour minimum charge for field personnel. Sample pickups at technician rate with no minimum time charge.

**RESOLUTION
R 77-13**

A RESOLUTION AUTHORIZING AN AMENDMENT TO A PROFESSIONAL SERVICES CONTRACT INVOLVING AN INCREASE IN THE DOLLAR AMOUNT OF THE CONTRACT OF \$10,000 OR MORE AND/OR EXTENDING THE TIME IN WHICH THE CONTRACT IS TO BE COMPLETED BY THIRTY (30) DAYS OR MORE

WHEREAS, pursuant to Illinois Compiled Statutes, Chapter 720, Section 5/33E-9, units of local government are required to make specific findings prior to authorizing any amendment relative to a contract which would increase or decrease the dollar amount of the contract by \$10,000 or more, or would extend or shorten the time in which the contract is to be completed by thirty (30) days or more; and

WHEREAS, staff has presented and recommended the proposed amendment to the contract between the Village of Lombard and Terracon Consultants, Inc. regarding the Geotechnical Engineering, Construction Material Testing and Environmental Services Contract, as attached hereto as Exhibit "A" and made part hereof, (the "Amendment") to the Corporate Authorities of the Village of Lombard; and

WHEREAS, said Amendment attached hereto as Exhibit "A" would allocate a budget of \$50,000.00, for Fiscal Year 13 (January 1, 2013 to December 31, 2013)

WHEREAS, said Amendment attached hereto as Exhibit "A" would extend the time period in which the contract is to be completed to December 31, 2013.

NOW, THEREFORE, BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF LOMBARD, DU PAGE COUNTY, ILLINOIS, as follows:

SECTION 1: That after reviewing the explanation of staff as to the necessity of and reasons for the Amendment attached hereto as Exhibit "A", the President and Board of Trustees find as follows:

- A That the circumstances which necessitated said Amendment were not reasonably foreseeable at the time the contract was entered into.
- B. That the basis of the Amendment was not within the contemplation of the contract when the contract was signed.
- C. That it is in the best interests of the Village of Lombard to approve the Amendment in its proposed form.

- D. That to the extent that it may have been necessary to go to bid relative to the work contemplated by said Amendment, bidding is hereby specifically waived as to the Amendment work.

SECTION 2: That having made the findings set forth in Section 1 above, the President and Board of Trustees hereby approve the Amendment attached hereto as Exhibit "A", and direct and authorize the Village President and Village Clerk to execute said Amendment on behalf of the Village.

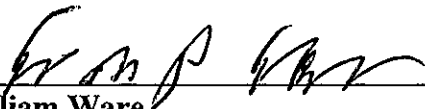
Adopted this 17th day of January, 2013, pursuant to a roll call vote as follows:

Ayes: None

Nays: None

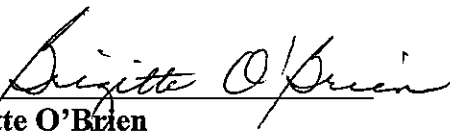
Absent: None

Approved by me this 17th day of January, 2013.



William Ware
Acting Village President

ATTEST:



Brigitte O'Brien
Village Clerk



May 7, 2012

Village of Lombard
1051 S. Hammerschmidt Avenue
Lombard, Illinois 60148

ATTN: Mr. Ray Schwab

**RE: 2012-2013 Schedule of Services and Fees for Geotechnical Engineering,
Construction Material Testing and Environmental Services
Village of Lombard
Contract Document No.: M-12-01
Terracon Proposal No.: P11110037**

Dear Mr. Schwab:

Per your request, Terracon is pleased to provide the attached fee schedules for work on the above referenced contract. We understand that this fee schedule will be in effect until the end of 2013.

We appreciate the opportunity to be of service to you on this project. If you have any questions regarding the attached fee schedules, or require additional information, please contact me. Thank you!

Sincerely,
Terracon Consultants Inc.

Matthew E. Ribordy, P.E.
Office Manager/Principal

Attachments: 2012-2013 Terracon Schedule of Services and Fees

Terracon

2012-2013 SCHEDULE OF SERVICES AND FEES

Personnel

Senior Principal/Program Manager, per hour	\$ 165.00
Principal, per hour.....	\$ 155.00
Senior Project Manager, P.E. per hour	\$ 140.00
Project Manager, per hour.....	\$ 110.00
Staff Engineer, per hour.....	\$ 90.00
Staff Scientist, per hour	\$ 80.00
Environmental Technician, per hour.....	\$ 70.00
Draftsperson/CAD Operator, per hour.....	\$ 70.00
Laboratory Technician, per hour.....	\$ 60.00
Administrative Assistant, per hour	\$ 45.00
Union Engineering Technician (Material Tester II Classification), per hour	\$ 99.00
Union Engineering Technician (Material Tester I Classification), per hour	\$ 92.00

Transportation/Equipment

Vehicle Charge, per trip.....	\$ 25.00
Cylinder Pick Up, per trip.....	\$ 100.00
Nuclear Density Gauge, per day	\$ 35.00

Minimum Charge • Overtime Rates • Expert Testimony

A four (4) hour minimum charge for Union Engineering Technician personnel and equipment is applicable to all trips made for the performance of testing, inspection or consulting services. The minimum charge is not applicable for trips to the project site for sample pick up only. All labor, equipment and transportation charges are billed on a portal to portal basis from our Naperville, IL office.

Overtime rates of 1.35 times the quoted hourly rate will be applicable to any hours worked outside of our normal office hours of 7:00 AM to 5:00 PM Monday through Friday, Saturdays, or over eight (8) hours per day. Work on Sunday or Holidays will be charged at 1.75 times the quoted hourly rate.

Geotechnical Field Services

Truck Mounted Mobilization, local	\$425.00
ATV Mounted Mobilization, local	\$475.00
<u>Standard Split Spoon Sampling (SPT @2.5' intervals to 10', 5' thereafter)</u>	
Depth, per ft. (0-25)	\$ 17.50
Depth, per ft. (25-50)	\$ 19.50
Depth, per ft. (50-75)	\$ 21.50
Depth, per ft. (75-100)	\$ 23.50
Continuous Soil Sampling, per ft. (0-25).....	\$ 21.00
<u>Rock Core Drilling</u>	
Set-Up Charge, per boring	\$200.00
NQ Size Rock Coring, short runs from 0 to 20 feet, per ft.	\$ 45.00
Cardboard Core Boxes, per box.....	\$ 15.00
Minimum Drill Fee	\$2,200.00
Stand-By/Clean-Up/Client Delay, per hr.....	\$325.00
ATV Drill Usage, per day	\$175.00
Borehole Grouting with Bentonite Chips, per ft.	\$ 4.00
3" Diameter Shelby Tube Samples, each.....	\$ 40.00

Concrete Tests

Cylinder Compression Test (ASTM C-39), each.....	\$ 16.00
Beam Flexural Test (ASTM C-293 or C-78), each.....	\$ 45.00
Cube Compression Test (ASTM C-109), each.....	\$ 25.00
Windsor probes, per set of 3 (Technician time charged separately) (ASTM C-305).....	\$ 100.00
Calcium Chloride Kit – floor slab vapor transmission, each.....	\$ 40.00
Engius IntelliRock II concrete maturity logger, each.....	\$ 65.00

Masonry Tests

Cement mortar mix verification (ASTM C-305), each.....	\$ 150.00
Compressive strength CMU block (ASTM C-140), each.....	\$ 75.00
CMU block absorption only (ASTM C-140), each.....	\$ 50.00
Compressive strength masonry prism (ASTM C-1314)	
CMU prism up to 8 (in.) width, Hollow Cells, each.....	\$ 100.00
CMU prism up to 8 (in.) width, Grout Filled Cells, each.....	\$ 125.00
Brick prism up to 4 (in.) width, each.....	\$ 75.00
Compressive strength of grout prism (ASTM C-1019), each.....	\$ 50.00
Compressive strength mortar cube (ASTM C-109), each.....	\$ 25.00

Aggregate Tests

Sieve Analysis, dry (ASTM C-136), each.....	\$ 75.00
Sieve Analysis (ASTM C-117), each.....	\$ 95.00
Sieve Analysis w/ -200 (ASTM C-136 & C-117), each.....	\$ 125.00
Unit Weight (ASTM C-29), each.....	\$ 30.00
Specific Gravity/Absorption (ASTM C-127 or C-128), each.....	\$ 100.00
Organic Impurities (ASTM C-40), each.....	\$ 50.00
L.A. Abrasion (ASTM C-131 or C-535), each.....	\$ 200.00
Sulfate Soundness, 5 cycles (ASTM C-88), each.....	\$ 325.00
Additional cycles, each.....	\$ 200.00
Sample prep if uncrushed.....	\$ 25.00

Soils Laboratory Tests

Classification

Moisture Content and visual classification, each.....	\$ 10.00
Combined Moisture Content and Dry Unit Weight, each.....	\$ 20.00
Atterberg Limits (ASTM D-4318 Method A), each.....	\$ 75.00
Combined Hydrometer and Sieve Analysis, each.....	\$ 175.00
Organic Content Test, each.....	\$ 50.00

Compaction

Optimum moisture / maximum density relations (proctors)	
ASTM D-698, each.....	\$ 160.00
ASTM D-1557, each.....	\$ 190.00
Relative density (ASTM D-4254), each.....	\$ 350.00
Sample preparation (if required), each.....	\$ 25.00

Strength and Consolidation

California Bearing Ratio (CBR) (ASTM D-1883), each.....	\$ 300.00
Unconfined Compressive Strength of Tube Sample, each.....	\$ 45.00
Unconfined Compression, rock, each.....	\$ 50.00
Triaxial Compression with Pore Pressure Measurements, each point.....	\$700.00
One Dimensional Consolidation w/ plotted Time Curves, each.....	\$750.00

Asphaltic Concrete Services

Compaction of Bituminous Mixture by Gyrotory and Bulk Specific Gravity Test, set of 2	\$ 200.00
Maximum theoretical density (ASTM D-2041), each	\$ 120.00
Bulk Density of Core Specimens, each.....	\$ 40.00
Asphalt Content and Gradation (Extraction), each	\$ 215.00

Environmental Field Equipment

Development Pump (per day)	\$ 40.00
Disposable Bailer (each).....	\$ 20.00
GEM 2000 Gas Analyzer & Extraction Monitor (per day)	\$ 200.00
Hand Auger (per day)	\$ 25.00
Handheld GPS Instrumentation (per day).....	\$ 45.00
High Flow Air Pump (per day)	\$ 25.00
IAQ Instrumentation (QTRAK, Moisture Meter) (per day)	\$ 75.00
Interface Probe (per day)	\$ 85.00
Low Flow Air Pump (per day).....	\$ 25.00
Low Flow Sampling Cell (includes YSI/Horiba & flow cell)	\$ 150.00
Low-Flow Bladder Pump (per day)	\$ 100.00
Peristaltic Pump (per day)	\$ 50.00
pH/Conductivity/Temperature Meter (per day)	\$ 50.00
PID Meter (per day).....	\$ 110.00
Sample Kit (per boring)	\$ 35.00
Sample Kit (per well)	\$ 50.00
Submersible Purge Pump (per day)	\$ 175.00
Water Level Indicator (per day)	\$ 35.00
XRF Meter (per day).....	\$ 275.00

Environmental Analytical Tests

Asbestos PLM Bulk Sample (3 day TAT per sample).....	\$ 10.50
Asbestos PCM Air Sample (1 day TAT per sample).....	\$ 21.00
Lead Sample – chip, wipe, air (3 day TAT per sample)	\$ 15.00
Mold Spore Trap Air Sample (3 day TAT per sample).....	\$ 50.00
Mold Surface Sample (3 day TAT per sample).....	\$ 45.00
Volatile Organic Compounds (7 day TAT, per sample).....	\$ 150.00
Semi Volatile Organic Compounds (7 day TAT, per sample).....	\$ 225.00
BTEX w/ MTBE (7 day TAT, per sample)	\$ 65.00
Polynuclear Aromatic Hydrocarbons (7 day TAT, per sample)	\$ 115.00
RCRA Metals (7 day TAT, per sample)	\$ 95.00
Polychlorinated Biphenyls (7 day TAT, per sample)	\$ 100.00

General Comments

Tests not listed can be quoted on request.

Engineering consultation and evaluation in connection with any laboratory testing service will be charged at the appropriate rate.

Materials samples should be submitted in a form that complies with applicable requirements.

Special supplies, permits, equipment, associated drilling, sampling, field testing, surveyors or other support services will be billed at cost.

All rented equipment and outside services not identified in the fee schedule will be billed at cost.