



April 15, 2021

Catherine Cesnik, Chair
Bassett Creek Watershed Management Commission
c/o 16145 Hillcrest Lane
Eden Prairie, MN 55346

**Re: Agreement for Engineering Services
Bassett Creek Watershed Management Commission**

Dear Chair Cesnik:

Thank you for retaining Barr Engineering Co. (Barr) as the Commission Engineers. We will do our best to justify your expression of confidence in us. This letter, together with our Standard Terms (attached) sets forth the Agreement between Bassett Creek Watershed Management Commission (Commission or Client) for engineering and planning services as assigned and approved by the Commission in accordance with the attached terms and conditions and fee schedule.

The scope of professional consulting services we will provide include:

- a. Technical Services: day-to-day technical operations of the Commission, such as preparing for, and follow-up from, the Commission, TAC and other meetings, communicating with and advising the Commission and/or designated staff on general technical matters, and communicating with Commissioners, Administrator, member cities, developers, agencies, and other entities.
- b. Development/Project Reviews: technical reviews of developments within the watershed and related correspondence.
- c. Non-Fee and Preliminary Reviews: technical reviews of MDNR permit applications and preliminary development proposals within the watershed, performance of other non-fee reviews and correspondence.
- d. Commission and TAC Meetings: attend monthly Commission meetings, periodic TAC meetings and, as requested, any other meetings.
- e. Surveys & Studies: Commission-directed special studies, feasibility studies, surveys, watershed tours, questions and other items that arise during the year, as requested by the Commission and its staff.
- f. Water Quality/Monitoring: lake and stream monitoring, aquatic plant management/aquatic invasive species management, general water quality-related tasks that arise, and reporting.
- g. Water Quantity: tasks associated with the Commission's lake and stream level gauging program including (1) measuring water levels on Medicine Lake, Sweeney Lake, Parkers Lake, Westwood Lake, Crane Lake (Ridgedale Pond), Northwood Lake, Bassett Creek Park Pond and Wirth Park storage areas; (2) periodically reading stages, or gauging the stream, at the new tunnel entrance, at Highway 100 (main stem), at Wisconsin Avenue, at Sweeney Lake, at Medicine Lake outlet, at Winnetka Avenue (north branch), at 26th Avenue (Plymouth Creek fish barrier), and at other selected locations during periods of high flow; (3) periodic surveys of benchmarks.

- h. Flood Control Project: regular inspections of flood control project features completed by the Commission including: Minneapolis (double box culvert, deep tunnel, open channel); Golden Valley (Highway 55 control structure & ponding area, Golden Valley Country Club box culvert, embankment and downstream channel, Noble Avenue crossing, Regent Avenue crossing, Westbrook Road crossing, Wisconsin Avenue crossing); Crystal (Markwood Area box culvert and channel improvements, Edgewood embankment and ponding, Highway 100/Bassett Creek Park Pond, 32nd Avenue crossing, Brunswick Avenue crossing, 34th Avenue crossing, Douglas Drive crossing, Georgia Avenue crossing, 36th-Hampshire Avenue crossing, channel improvements); Plymouth (Medicine Lake outlet structure, Plymouth Creek fish barrier). Includes design of maintenance and repairs at the direction of Commission and its staff.
- i. Review Municipal Plans: review member cities' local water management plans and amendments, adjacent WMO plans and amendments, and member cities' official controls for conformance with the BCWMC Watershed Management Plan.
- j. Watershed Outlet Monitoring Program: continue collecting flow data to maintain the rating curve at the WOMP station, in cooperation with the Metropolitan Council.
- k. Annual XP-SWMM Model Updates/Reviews: update the XP-SWMM model.
- l. TMDL Implementation Reporting: update the P8 model to be used in support of TMDL implementation reporting.
- m. Outreach and Education: assist with the annual report, education and public communications at the direction of Commission and its staff.
- n. Capital Improvement Projects (CIP): assist in administering the CIP program, including reviewing CIP feasibility studies and construction plans and preparing memos for Commission meetings, preparing CIP feasibility studies (by separate work scope approval), designing CIP projects (by separate work scope approval), developing/updating the 5-year CIP, developing the maximum levy request to Hennepin County and attending the County committee meeting, developing/certifying the annual levy request, and assisting with grant applications and administration/reporting for CIP projects,
- o. Planning: assist with watershed management planning at the direction of Commission and its staff.
- p. Perform other duties as assigned and at the direction of Commission and its staff.

During the term of this Agreement, Barr agrees to maintain the following types of insurance and policy limits:

- a. Workers' Compensation and Employers' Liability
 1. Coverage A: Per State Statute
 2. Coverage B: \$500,000 Each Accident
 - \$500,000 Disease – Policy Limit
 - \$500,000 Disease – Each Employee
- b. Commercial General Liability
 1. \$2,000,000 General Aggregate
 2. \$2,000,000 Products – Completed Operations Aggregate
 3. \$1,500,000 Each Occurrence (death, injury, property damage)

- c. Commercial Automobile Liability
\$1,000,000 Combined Single Limit Bodily Injury and Property Damage

The Commercial Automobile Liability provides coverage for the following automobiles:

1. All Owned Automobiles
2. All Non-Owned Automobiles
3. All Hired Automobiles

- d. Umbrella Liability
1. \$10,000,000 Each Claim
\$10,000,000 Annual Aggregate

The Umbrella Liability provides excess limits for the Commercial General Liability, Employers' Liability, and Commercial Automobile Liability policies.

- e. Professional and Pollution Incident Liability
Professional Liability insurance including Pollution Incident Liability coverage with limits of not less than \$5,000,000 Per Claim/\$5,000,000 Annual Aggregate.

The Commission shall be named as an additional insured on the Commercial General Liability, Employers' Liability, and Commercial Automobile Liability policies.

Barr acknowledges that the Commission has the ability to contract with other firms for specific projects or studies.

Barr's BCWMC leadership team and its day-to-day contacts include Karen Chandler, Vice President and Project Manager and Jim Herbert, Vice President and Project Principal.

This Agreement will be effective until April 30, 2023 and may be terminated by the Commission or Barr at any time. For the services provided, you will pay us according to the attached Standard Terms.

If this Agreement is satisfactory, please sign this letter in the space provided, and return it to us.

Sincerely yours,

BARR ENGINEERING CO.



Jim Herbert

Its Vice President

Accepted this 15 day of April, 2021

BASSETT CREEK WATERSHED MANAGEMENT COMMISSION

By _____

Its Commission Chair _____

BASSETT CREEK WATERSHED MANAGEMENT COMMISSION

By _____

Its Commission Secretary _____

Attachments

Standard Terms—Professional Services—Bassett Creek Watershed Management Commission

BCWMC Addressing Potential Conflicts of Interest, Approved November 17, 2020

Fee Schedule

Addendum to Fee Schedule

Rental Equipment Rate Schedule



STANDARD TERMS—PROFESSIONAL SERVICES – Bassett Creek WMC

Our Agreement with you consists of the accompanying letter or other authorization, Work Orders, and these Standard Terms – Professional Services.

Section 1: Our Responsibilities

- 1.1 We will provide the professional services (“Services”) described in this Agreement. We will use that degree of care and skill ordinarily exercised under similar circumstances by reputable members of our profession practicing in the same locality.
- 1.2 We will select the means, methods, techniques, sequences, or procedures used in providing our Services.
- 1.3 We will acquire all licenses applicable to our Services and we will comply with applicable law.
- 1.4 Our duties do not include supervising your contractors or commenting on, supervising, or providing the means and methods of their work unless we accept any such duty in writing. We will not be responsible for the failure of your contractors to perform in accordance with their undertakings.
- 1.5 We will provide a health and safety program for our employees, but we will not be responsible for contractor, job, or site health or safety unless we accept that duty in writing.
- 1.6 Estimates of our fees or other project costs will be based on information available to us and on our experience and knowledge. Such estimates are an exercise of our professional judgment and are not guaranteed or warranted. Actual costs may vary. You should add a contingency.
- 1.7 The information you provide to us will be maintained in confidence except as required by law.
- 1.8 Barr will work to the best of its ability to stay within the budget of specific BCWMC Operating Budget lines and will communicate with the BCWMC administrator when it discovers or becomes apparent that budgets are not aligned.
- 1.9 We will comply with the “BCWMC Addressing Potential Conflicts of Interest”, Approved November 17, 2020, attached to this Agreement.

Section 2: Your Responsibilities

- 2.1 You will provide access to property.
- 2.2 You will provide us with prior reports, specifications, plans, changes in plans, and other information about the project that may affect the delivery of our Services.
- 2.3 You agree to provide us with information on contamination and dangerous and hazardous substances and processes we may encounter in performing the Services and related emergency procedure information.
- 2.4 You agree to make disclosures required by law.
- 2.5 You agree to consult with us when developing the Operating Budget and communicate the budget figures to direct our work.

Section 3: Reports and Records

- 3.1 We will allow you, or your duly authorized agents, and the state auditor or legislative auditor reasonable access to our books, records, documents, and accounting procedures and practices that are pertinent to all services provided under this Agreement for a minimum of six years from the termination of this Agreement.
- 3.2 Monitoring wells are your property and you are responsible for their permitting, maintenance and abandonment unless we accept that duty in writing. Samples remaining after tests are conducted and field and laboratory equipment that cannot be adequately cleansed of contaminants are your property. They will be discarded or returned to you, at our discretion, unless within 15 days of the report date you give written direction to store or transfer the materials at your expense.
- 3.3 Our reports, notes, calculations, and other documents prepared for you will be “works made for hire” as defined under 17 U.S.C. §101, for which you have the sole and exclusive right, title and interest, including all rights to ownership and copyright or patent. We will retain the right to all software, intellectual property, and templates that are not a project-specific deliverable as well as to individual features of any design which we would reasonably expect to be able to recreate in whole or in part for other projects.
- 3.4 Because electronic documents may be modified intentionally or inadvertently, you agree that we will not be liable for damages resulting from change in an electronic document occurring after we transmit it to you. In case of any difference or ambiguity between an electronic and a paper document, the paper document shall govern. When accepting document transfer in electronic media format, you accept exclusive risk relating to long-term capability, usability, and readability of documents, software application packages, operating systems, and computer hardware.
- 3.5 If you do not pay for the Services in full as agreed, we may retain reports and work not yet delivered to you and you agree to return to us our reports and other work in your possession or under your control. You agree not to use or rely upon our work for any purpose until it is paid for in full.

Section 4: Compensation

- 4.1 You will pay for the Services as agreed or according to our then current fee schedules if there is no other written agreement as to price. An estimated cost is not a firm figure unless stated as such and you should allow for a contingency in addition to estimated costs.
- 4.2 You agree to notify us of billing disputes within 15 days and to pay undisputed portions of invoices within 35 days of invoice date. For balances not paid under these terms, you agree to pay interest on unpaid balances beginning 10 days after invoice date at the rate of 1.5% per month, but not to exceed the maximum rate allowed by law.

- 4.3 If you direct us to invoice another, we will do so, but you agree to be responsible for our compensation unless you provide us with that person's written acceptance of the terms of our Agreement and we agree to extend credit to that person.
- 4.4 You agree to compensate us in accordance with our fee schedule if we are asked or required to respond to legal process arising out of a proceeding to which we are not a party.
- 4.5 In consideration of our providing insurance to cover claims made by you, you hereby waive any right of offset as to payment otherwise due us.

Section 5: Disputes, Damage, and Risk Allocation

- 5.1 Each of us will exercise good faith efforts to resolve disputes without litigation. Such efforts will include a meeting attended by each party's representative empowered to resolve the dispute. Disputes (except collections) will be submitted to mediation as a condition precedent to litigation.
- 5.2 Each of us waives against the other and its subcontractors, agents, and employees all rights to recover for losses covered by our respective property/casualty or auto insurance policies.
- 5.3 If you fail to pay us within 60 days following invoice date, we may consider the default a total breach of our Agreement and, at our option, we may terminate all of our duties without liability to you or to others.
- 5.4 If we are involved in legal action to collect our compensation, you agree to pay our collection expenses, including reasonable attorneys' fees.
- 5.5 The law of the state of Minnesota will govern all disputes. Each of us waives trial by jury. No employee acting within the scope of employment will have any individual liability for his or her acts or omissions and you agree not to make any claim against individual employees.

Section 6: Miscellaneous Provisions

- 6.1 We will provide a certificate of insurance to you upon request. Any claim as an Additional Insured will be limited to losses caused by our sole negligence.
- 6.2 This Agreement is our entire agreement, and it supersedes prior agreements. Only a writing signed by an authorized representative for each of us making specific reference to the provision modified may modify it.
- 6.3 Neither of us will assign this Agreement without the written approval of the other. No other person has any rights under

this Agreement.

- 6.4 Only a writing may terminate this Agreement. We will receive an equitable adjustment of our compensation as well as our earned fees and expenses if our work is terminated prior to completion.
- 6.5 We will not discriminate against any employee or applicant for employment because of race, color, creed, ancestry, national origin, sex, religion, age, marital status, affectional preference, disability, status with regard to public assistance, membership or activity in a local human-rights commission, or status as a specially disabled, Vietnam-era, or other eligible veteran. We will take affirmative action to ensure that applicants are considered, and employees are treated during their employment, without regard to those factors. Our actions will include, but are not limited to notifications, hiring, promotion or employment upgrading, demotion, transfer, recruitment or recruitment advertising, layoffs or terminations, rates of pay and other forms of compensation, and selection for training or apprenticeship.
- 6.6 Neither we nor you, including our officers, employees, and agents, are agents of the other, except as agreed in writing. Except as agreed in writing, nothing in this Agreement creates in either party any right or authority to incur any obligations on behalf of, or to bind in any respect, the other party. Nothing contained herein will prevent either party from procuring or providing the same or similar products or services from or to any third person, provided that there is no breach of any obligations pertaining to confidentiality.
- 6.7 All services provided pursuant to this Agreement shall be provided by us as an independent contractor and not as an employee of BCWMC for any purpose. Any and all officers, employees, subcontractors, and agents of BCWMC, or any other person engaged by us in the performance of work or services pursuant to this Agreement, shall not be considered employees of BCWMC. Any and all actions which arise as a consequence of any act or omission on the part of us, our officers, employees, subcontractors, or agents, or other persons engaged by us in the performance of work or services pursuant to this Agreement, shall not be the obligation or responsibility of BCWMC.
- 6.8 Data provided, produced or obtained under this Agreement shall be administered in accordance with the Minnesota Government Data Practices Act, Minnesota Statutes Chapter 13. We will immediately report to you any requests from third parties for information relating to this Agreement. We agree to promptly respond to inquiries from you concerning data requests.

End of Standard Terms

BCWMC Addressing Potential Conflicts of Interest
Approved November 17, 2020

This framework is meant to clarify the process for addressing potential Commission Engineer COI so that staff has clear direction and staff and commissioners have congruent expectations.

Barr will continue to operate within the provisions of MN Administrative Rule 1805.0300. In all cases of actual or potential conflicts, transparency about the situation and reporting by and to all parties is of utmost importance.

Administrative review (no approval needed)

- Projects in the Bassett Creek watershed related to water or natural resources that do not require commission review or approval (such as natural resources protection plans, environmental impact statements, response action plans, etc.)
 - a. This is for scenarios where the provisions in Minn. R. 1805.0300 do not apply because there is no actual conflict, nor is the Commission Engineer being compensated by the commission for the same project

Administrative waiver (Administrator, Chair and Attorney):

- Projects where the administrator documents in writing findings on the clear unity of interest, secures the consent of the chair and advice of attorney, and the timeframe of the work is either emergency in nature or requires an expedited timeline such that there is not time for Commission approval; and the administrative waiver is disclosed at the next Commission meeting. (Administrator can always choose to bring the matter to the commission.)

Commission waiver required:

- Projects that require Commission review and approval (whether by the commission proper or the administrator under delegated authority)
 - a. In these scenarios, the Commission will determine whether to:
 - a. waive the conflict
 - b. waive the conflict and contract with an outside firm for review or other remedies deemed appropriate
 - c. decline to waive the conflict



Fee Schedule—2021

Rev. 12/26/2020

Description	Rate* (U.S. dollars)
Principal	\$160-295
Consultant/Advisor	\$185-250
Engineer/Scientist/Specialist IV	\$155-180
Engineer/Scientist/Specialist III	\$125-150
Engineer/Scientist/Specialist II	\$95-120
Engineer/Scientist/Specialist I	\$65-90
Technician IV	\$155-180
Technician III	\$125-150
Technician II	\$95-120
Technician I	\$65-90
Support Personnel III	\$155-180
Support Personnel II	\$95-150
Support Personnel I	\$65-90

Rates for litigation support services will include a 30% surcharge.

A ten percent (10%) markup will be added to subcontracts for professional support and construction services to cover overhead and insurance surcharge expenses.

Invoices are payable within 30 days of the date of the invoice. Any amount not paid within 30 days shall bear interest from the date 10 days after the date of the invoice at a rate equal to the lesser of 18 percent per annum or the highest rate allowed by applicable law.

For travel destinations within the continental U.S. (CONUS) and Canada, meals will be reimbursed on a per diem basis. The per diem rate will be as published by the U.S. Internal Revenue Service (IRS) based on the High-Low method. Full day per diem rates will be pro-rated on travel days. For travel destinations outside the continental U.S. (CONUS) and Canada, meals will be reimbursed based on actual expenses incurred.

All other reimbursable expenses including, but not limited to, costs of transportation, lodging, parking, postage, shipping and incidental charges will be billed at actual reasonable cost. Mileage will be billed at the IRS-allowable rate.

Materials and supplies charges, printing charges, and equipment rental charges will be billed in accordance with Barr’s standard rate schedules.

Principal category includes consultants, advisors, engineers, scientists, and specialists who are officers of the company.

Consultant/Advisor category includes experienced personnel in a variety of fields. These professionals typically have advanced background in their areas of practice and include engineers, engineering specialists, scientists, related technical professionals, and professionals in complementary service areas such as communications and public affairs.

Engineer/Scientist/Specialist categories include registered professionals and professionals in training (e.g. engineers, geologists, and landscape architects), and graduates of engineering and science degree programs.

Technician category includes CADD operators, construction observers, cost estimators, data management technicians, designers, drafters, engineering technicians, interns, safety technicians, surveyors, and water, air, and waste samplers.

Support Personnel category includes information management, project accounting, report production, word processing, and other project support personnel.

*Rates do not include sales tax on services that may be required in some jurisdictions.



Addendum to Fee Schedule—2021

Rev. 4/15/2021

Bassett Creek WMC Key Staff	Rate* (U.S. dollars)
James P. Herbert, Principal Engineer/Scientist	\$200
Karen L. Chandler, Principal Engineer/Scientist	\$185

*Rates to be adjusted annually.



Rental Equipment Rate Schedule—2021

Rev. 12/26/2020

Sheet 1 of 9

(Alphabetized)

(see general and end notes)

Description

(U.S. dollars)

	Rate	Unit
Non-Expendable Equipment		
<i>Air Quality</i>		
Air Cooled M5 Probe/Oven Assembly	300.00	day
Ambient SO2 Monitor	100.00	day
Analytical Balance (each)	6.00	ea
Analyzer Filter Oven	15.00	day
Analyzer Support Kit (a.)	400.00	day
Anemometer	50.00	day
CO Analyzer	250.00	day
CO Cal Gases (set of 2)	40.00	day
CO/O2/CO2 Regulators (set of 2)	20.00	day
Data Logger	40.00	day
Digital Calibrator	30.00	day
Dilution Calibrator	200.00	day
Dual Pen Strip Chart	50.00	day
EPA 6 SO2 Analysis Kit	60.00	day
EPA Method 202 (per test)	130.00	test
EPA Method 25 (TGNMO) Sampling Train	250.00	day
EPA Method 3 ORSAT Analyzer	25.00	day
EPA Method 30B Probe	50.00	day
EPA Method 4	270.00	day
EPA Method 5 Sampling Train	400.00	day
EPA Method 5 Wet Test Meter Calibrator	240.00	day
Gas Conditioner	60.00	day
Heated Sample Line (100')	100.00	day
Heated Sample Line (150')	100.00	day
Heated Sample Line (50')	60.00	day
Hivol Ambient Sampler Calibration Kit	25.00	day
Hydrocarbon Calibration Gases	60.00	day
Hydrocarbon Regulator Set	30.00	day
Met Station Calibration Kit	120.00	day
Meteorological Station	1,000.00	month
Midget Impinger Sample Line	50.00	day
Midget Impinger Sampling Train	40.00	day
MKS Multi-Gas Analyzer	1,100.00	day
Model 302 Gas Chromatograph	367.00	day
NCASI Method 8A Train	250.00	day
NCASI Sample Train	50.00	day
NOx Analyzer	260.00	day
NOx Cal Gases (set of 2)	40.00	day
NOx/SO2 Regulators (set of 2)	25.00	day
O2/CO2 Analyzer	250.00	day
O2/CO2 Cal Gases (set of 2)	40.00	day
Ohio Lumex Mercury Analyzer	1,500.00	day
PM 10/2.5 In Stack Separators	100.00	day
PM10 BAM-1020	370.00	month



Rental Equipment Rate Schedule—2021

Rev. 12/26/2020

Sheet 2 of 9

(Alphabetized)

(see general and end notes)

Description

(U.S. dollars)

	Rate	Unit
PM10 HiVol	120.00	month
Portable Oxygen Analyzer	40.00	day
Primary Standard Flow	60.00	day
Single Pen Strip Chart Recorder	35.00	day
SO2 Analyzer	300.00	day
SO2 Calibration Gas	40.00	day
SO2 Monitoring	1,600.00	month
SPM Flex	1,500.00	month
Testo 350 Portable Analyzer	270.00	day
Total Hydrocarbon Analyzer	400.00	day
TRS Kit	100.00	day
TSP Hi-Vol Sampler	30.00	day
Unheated Sample Line 100 ft.	40.00	day
Universal Control Console (Vost Meter)	250.00	day
Volumetric Air Flow Measure	60.00	day
Volumetric and Mass Flow Calibrator	100.00	day
Field Equipment		
1-1/2" Multi-Stage Pump	65.00	day
1-1/2" Submersible Purge Pump	35.00	day
360 Degree Camera	18.00	day
Alpha Water Bottle	3.00	ea
Arc Flash Label Printer	5.00	use
Area/Velocity Flow Meter	35.00	day
Auto Sampler w/Depth Sensor & Flowmeter	60.00	day
Automatic Sampler	30.00	day
Bladder Pump w/Controller	125.00	day
Conductivity Meter	17.50	day
Current Meter Suspension Kit	55.00	day
Data Transfer System (DTU)	22.00	day
Depth Sensor/Flow Meter only	30.00	day
Differential Pressure Datalogger	18.00	day
Disposable Vapor Manifold Kit w/o Pin	3.00	ea
Dissolved Oxygen Meter	40.00	day
Dissolved Oxygen Sensor/Datalogger	30.00	day
Dissolved Oxygen-Conductivity Meter	38.25	day
Ekman Dredge	6.00	day
Electric Vacuum Pump	10.00	day
Electromagnetic Flowmeter	65.00	day
Environmental Equipment Shelter	2.75	day
Field-Rugged Laptop or Pocket PC	25.00	day
Fluorometer Kit, Model 10-AU	240.00	day
Gas Centrifugal Pump	26.75	day
Gas Generator	29.00	day
Gator Diesel Air Compressor	60.00	day
GEM-2000 Landfill Gas Analyzer	150.00	day
Go-Pro Camera	20.00	day
Hand Held Velocity Flow Meter	40.50	day



Rental Equipment Rate Schedule—2021

(Alphabetized)

(see general and end notes)

Rev. 12/26/2020

Sheet 3 of 9

Description

(U.S. dollars)

	Rate	Unit
Hand Vacuum Pump	2.30	day
Heavy-Duty Weed/Brush Trimmer	17.00	day
HOBO Weather Station	21.00	day
Kemmerer Vertical Bottle Sampler	33.50	use
Level Troll-Water Level/Temp Transducer	75.00	day
LR-24 Electro-Fisher	200.00	day
Measurement & Control Datalogger	13.00	day
Oil, Water Interphase Probe	60.00	day
Orbital Shaker Table	105.00	day
Peristaltic Pump	35.00	day
Petite Ponar Dredge	14.50	day
PH Meter	27.75	day
Phipps & Bird Jar Tester	30.00	day
Pneumatic Slug Kit	9.00	day
Portable Colorimeter	55.00	day
Portable Doppler/TT Ultrasonic FlowMeter	69.00	day
Portable Field Scale	15.00	day
Portable Greenhouse Gas Analyzer	200.00	day
Portable SVE Blower	29.00	day
Power Cable for Sodar Equip (monthly)	167.00	month
Radon Monitor	62.00	day
RST SglChannel Vibrating Wire Datalogger	4.00	day
Sediment Corer (per sample)	5.75	ea
Seisgun	60.00	day
Shear Cell	419.00	day
Sodar Trailer (3 Month Minimum)	3,000.00	month
Soil Core Sampler/Bucket Auger	29.00	day
Soil Vapor Extraction System w/Trailer	135.00	day
Soil Vapor Recovery Parts (Point, Tubing, O-rings)	\$10	use
Soil Vapor Recovery System	\$40	day
Solar Panel Module w/Charge Controller	12.00	day
Sontek ADV(Acoustic Doppler Velocimeter)	140.00	day
Spectrometer UV/VIS Ocean Optics	115.00	day
Spill Containment Kit	10.00	day
Split Tube Soil Probe/Hand Auger	12.00	day
SteamPro ADCP	450.00	day
Submersible Pump SS W/Controller	125.00	day
Sub-Slab Vapor Sampling Kit	50.00	use
Temp, Level, Conductivity Meter (Solinst)	45.00	day
Temperature Datalogger	1.50	day
Tent	15.00	day
Turbidimeter	25.00	day
Turbidity Sensor w/Cable - DTS-12	43.00	day
Underwater Viewing Camera	60.00	day
Unmanned Aircraft System (UAS)	160.00	hour
UV Organics Monitor	22.00	day
Vapor Pin	7.50	ea



Rental Equipment Rate Schedule—2021

Rev. 12/26/2020

Sheet 4 of 9

(Alphabetized)

(see general and end notes)

Description

(U.S. dollars)

	Rate	Unit
Vapor Sampling Manifold	4.00	use
Vibra-Coring System (for Pontoon)	500.00	day
Vibra-Coring System for Jon Boat	150.00	day
VW Piezometer/Data Logger Combo	200.00	use
Water Quality Meter (YSI 556 MPS)	85.00	day
Water Quality Meter (YSI ProDSS)	150.00	day
Well Downrigger	13.00	day
Well Level Indicator	22.00	day
WTW 1970i Conductivity Meter	85.00	day
X-Ray Fluorescence Analyzer	380.00	day
Zooplankton	145.00	day
Zooplankton Net	7.00	day
GSHM Hardware and Software		
AMTS Protective Enclosure	100.00	month
Chemcad	38.00	hour
Logger Box - CR6/CR1000	100.00	month
Three Single Channel Loggers and VW Crack Gages	200.00	month
Three Single Channel Logger and VW Crack Gage	100.00	month
Geomos Alarm Package	250.00	month
GeoMoS Total Station Control Software	500.00	month
I-Site Software	63.00	hour
Logger Box - CR300	50.00	month
Metsim	35.00	hour
MineSight Software	50.00	hour
Scanning AMTS Package	1,000.00	month
Tablet Computer	15.00	day
Total Station Monitoring Package	2,000.00	month
VDM Site License Rental Fee-1 Site License	10.00	month
Vibration System	1,000.00	day
Vista Data Vision, Presentation Software	150.00	month
Vulcan Software	50.00	hour
Weekly AMTS Active Monitoring	1,000.00	week
Weekly AMTS Inactive Monitoring	250.00	week
Wi-Fi Hotspot	4.00	day
Wireless Vibration Sensor (CX-1)	700.00	month
Wireless Vibration Sensor Base (SNA-1)	1,200.00	month
Materials and Testing		
Borehole Camera System	200.00	day
Brass Sieve Set	6.00	day
Chlorophyll a (CHL a)	60.00	day
Coarse Sieve Set	10.00	day
Concrete Air Meter	36.00	day
Concrete Test Hammer	40.50	day
Cordless Portable Band Saw	30.00	day
Cyre Sampler	150.00	day
Cyre Sampler Push Frame	100.00	day
DL Plus Ultrasonic Kit	62.00	day



Rental Equipment Rate Schedule—2021

(Alphabetized)
(see general and end notes)

Rev. 12/26/2020

Sheet 5 of 9

Description

(U.S. dollars)

	Rate	Unit
Double Ring Infiltrometer	65.00	day
Dual-Mass Dynamic Cone Penetrometer	50.00	day
Dye Penetrant Kit	22.00	day
Filter Press	160.00	day
Flat Plate Dilatometer	500.00	day
GeoKon Black Handheld VW Reader	20.00	day
Geomil VST Electrical Vane Tester	50.00	test
Hand Vane Shear	98.50	day
Heavy-Duty Balance	16.00	day
Hilti Hammer Drill	25.00	day
Horizontal Sample Ejector	29.50	day
In-Place Inclinator (IPI) System	47.50	day
IPI System Data Acquisit Auxiliary Station	16.00	day
IPI System Data Acquisition Base Station	20.00	day
Kessler Field Moisture Oven	45.00	day
Liquid Limit Set	7.50	day
Load Plate Apparatus	230.00	day
Magnetic Crawler	48.00	day
Magnetic Particle Kit	38.00	day
Manual Extensometer (Slideminder)	32.00	day
Metal Thickness Gauge	50.00	day
Minimate Plus Blast Monitor	100.00	day
MPD Infiltrometer - Triple Kit	61.00	use
Paint Thickness Gauge	15.00	day
Phytoplankton	145.00	day
Platform Beam Scale	14.75	day
PLC Lab	10.00	hour
PLC Lab	25.00	half day
PLC Lab	40.00	day
Point Load Testing System	100.00	day
Portable CPT	200.00	day
Power Auger	43.00	day
Proctor Set	4.50	day
Proving Ring Penetrometer	36.00	day
Resistivity Meter (Ultra Mini-Res)	110.00	day
SAA Field Power Unit	25.00	day
Sample Splitter	5.00	day
Sand Cone Set	10.00	day
Shaw Backpack Core Drill	450.00	day
Silverwing Crawler	400.00	day
SINCO Inclinator Probe	200.00	day
Soluble Reactive Phosphorus	28.00	day
Steel Inspection Kit #1	100.00	day
Steel Inspection Kit #2	300.00	day
Thermal Imaging Camera, Flir E60	170.00	day
Torvane Shear Device	2.50	day
Total Dissolved Phosphorus	30.00	day



Rental Equipment Rate Schedule—2021

Rev. 12/26/2020

Sheet 6 of 9

(Alphabetized)

(see general and end notes)

Description

(U.S. dollars)

	Rate	Unit
Total Nitrogen (TN)	40.00	day
Total Phosphorus (TP)	23.00	day
Vane Inspection Kit	19.00	day
Vertek CPT Equipment	593.00	day
Vibrating Wire Logger SINCO VW2104	24.00	day
Water Treatment Lab	200.00	day
Weld Inspection Equipment	12.00	day
Safety		
3M PAPR (powered Air Purifying Respirator)	19.00	day
Aerosol Monitor (PDR-1000)	67.75	day
Automatic External Defibrillator (AED)	14.00	day
Calibration Gas Kit	8.75	day
Cell Booster	6.00	day
CO Monitor (ISC T82)	36.00	day
Confined Space Rescue Retrieval Kit	295.00	day
Confined Space Ventilator	54.75	day
Detector Tube Pump	15.00	day
Diesel Particulate Monitor Kit FLIR	200.00	day
Dry Cell Air Flow Calibrator	50.00	day
Emergency Escape Breathing Apparatus	18.00	day
Flame Ionization Detector TVA1000	133.00	day
Flotation Worksuit	19.75	day
Full Face Respirator	8.00	day
H2S Meter (I.S.C T40)	27.00	day
Half-Face Respirator	6.00	day
Helium Detector	55.00	day
InReach Satellite Communication Device	10.75	day
MX4 - O2, LEL, H2S, & CO 4 Gas Meter	45.00	day
Personal Air Sampling Pump (SKC)	38.00	day
Photoionization Detector 10.6eV Lamp	110.00	day
Photoionization Detector 11.7eV Lamp	130.00	day
RKI Eagle-2 Multi-gas Monitor	105.00	day
Satellite Phone	13.35	day
Self-Retracting Lifeline - 30'	56.00	day
Sound Level Meter	48.75	day
Spot Messenger Device	5.85	day
Supplied Air Breathing W/SCBA	75.50	day
Traffic Control Signs	2.10	day
UltraRAE 3000 Photoionization Detector	150.00	day
Survey		
Aquatic Invasive Species Decon System	170.00	day
Bathymetry Survey System - Odom	524.00	day
Canoe	32.00	day
Cellular Modem	100.00	month
Cellular Modem Antenna	25.00	month
Centimeter Grade Differential GPS System	145.00	day
Chain Saw	23.00	day



Rental Equipment Rate Schedule—2021

Rev. 12/26/2020

Sheet 7 of 9

(Alphabetized)

(see general and end notes)

Description

(U.S. dollars)

	Rate	Unit
Communication Radios (Set)	17.75	day
Differential GPS System (Trimble)	110.00	day
Garmin GPS	12.00	day
GPS-Digital Camera Kit	22.00	day
Hand Ice Auger	7.00	day
iPad with R1 GPS Receiver	50.00	day
Iron Locator	17.50	day
Jon Boat & Trailer	62.00	day
Kayak	44.00	day
Laser Range Finder	87.00	day
LCD Depth Locator	11.50	day
Leica HDS ScanStation P20 or P40	125.00	hour
Leica Scanner RTC 360	68.00	hour
Leica Structural Monitoring AMTS	97.00	day
Outboard Motor	46.50	day
Pontoon Boat Coring Platform	240.00	day
Power Ice Auger	30.00	day
Real-Time Kinematic (RTK) GPS Survey Sys	28.00	hour
Robotic Total Station	28.00	hour
Side Scanning Depth Finder	75.00	day
Spectra Laser Level	25.00	day
Survey Set (Level, Tripod, Rod)	20.75	day
Trolling Motor and Battery	48.00	day
Utility Locator	41.00	day
Z-Boat Bathymetry Survey System	150.00	hour
Vehicles and Trailers		
4WD All-Terrain Vehicle (Ranger)	89.50	day
Air Sampling Trailer	110.00	day
Heavy Trailer Mileage	0.25	mile
Tracked All-Terrain Vehicle (Ranger)	325.00	day
Utility Trailer	35.00	day
Barr-owned Field Vehicle Use	90.00	day
Vehicle - Personal (b)	72.50	day
Vehicle (Mileage)	IRS rate	mile
Yakima Canoe Trailer	35.00	day
Communications and Imaging		
Digital Camera	12.00	day
Video Camera	20.00	day
Expendable Field Supplies		
1 Liter Hazmat Cooler Packaging	90.70	ea
1/4" ID PVC Tubing (per foot)	0.30	foot
1/4" ID Silicone Pump Tubing (per foot)	2.60	foot
1/4" Teflon Tubing for Vapor Manifold	4.80	foot
2 Liter Hazmat Cooler Packaging	118.70	ea
250 ML Disposable Filtration Apparatus	15.20	ea
3/8" ID PVC Tubing (per foot)	0.40	foot
3/8" ID Silicone Pump Tubing (per foot)	8.30	foot



Rental Equipment Rate Schedule—2021

Rev. 12/26/2020

Sheet 8 of 9

(Alphabetized)

(see general and end notes)

Description

(U.S. dollars)

	Rate	Unit
3/8" Teflon Tubing for Vapor Manifold	8.10	foot
3M Airstream P100 PAPR Filter (each)	49.50	ea
3M Versaflo P100 PAPR Filter (each)	49.00	ea
4-mil Quart Recloseable Bag (pack of 50)	5.40	pack
5-Gallon Hazmat Packaging	22.10	ea
500-ML Disposable Filtration Apparatus	24.60	ea
5-Gallon Pail w/Lid	9.10	ea
Bladder Pump Tubing 1/4" (per foot)	1.50	foot
Compressed Nitrogen (ea. 84 CF "Q tank")	20.84	ea
Core Tubing - 3" Aluminum	4.30	foot
Detector Tubes (each)	16.30	ea
Distilled Water (each 1 gallon)	1.80	ea
Dot Gloves (pair)	0.90	ea
Encore Sampler - 5 or 25 Gram	12.25	ea
Fabric Soil Sample Bag (each)	1.70	ea
Fence Post & Hardware for Stream Gauges	7.00	ea
Field Book/Construction Diary - Large	26.90	ea
Field Book/Construction Diary - Small	8.50	ea
Hydrochloric Acid - per Liter	8.00	ea
Ice (per bag)	2.50	ea
In-Line Groundwater Filter	23.20	ea
Knit Gloves, Nitrile Coated	2.40	pair
Knit Gloves, Nitrile Coated, Insulated	6.10	pair
Latex Boot Covers (pair)	7.30	pair
Lath, 4' (bundle of 50)	41.70	bundle
Leather Gloves (pair)	13.20	pair
Lock (ea)	15.80	ea
Nitrile Gloves - Heavy Duty (pair)	2.20	pair
Paper Towels (per roll)	2.40	roll
Pin Flagging - per bundle 100	10.70	bundle
Poly-Coated Tyvek Coverall (each)	17.40	ea
Polyethylene Tubing for Bladder Pump, ¼"	0.20	foot
Powder Pillow Pack for Colorimeter	1.90	ea
PVC Coated Heavy Winter Gloves (pair)	12.10	pair
RAE-Sep Benzene Separation Tube	11.00	ea
Replacement Bladder Kit for QED Pump	23.40	ea
Respirator Cartridges - OVAG (pair)	23.30	pair
Respirator Cartridges - Particulate (pair)	7.80	pair
Rock Chip Tray	2.50	ea
Roll Flagging - 150'	2.80	ea
Saranex Tyvek Coverall (each)	41.60	ea
Snap Top Sediment Container - 8 oz.	1.10	ea
Spray Paint (each)	4.90	ea
Staff Gauge (each)	59.10	ea
Stakes (bundle of 50)	20.80	bundle
Surgical Gloves - Thin Nitrile (pair)	0.30	pair
Tyvek Boot Covers (pair)	1.50	pair



Rental Equipment Rate Schedule—2021

Rev. 12/26/2020

Sheet 9 of 9

(Alphabetized)

(see general and end notes)

Description

(U.S. dollars)

	Rate	Unit
Tyvek/Kleenguard Coverall (each)	2.60	ea
Vapor Pin - Permanent Install Kit	100.50	ea
Versaflo OVAG/P100 PAPR Filter (each)	156.80	ea
Weighted Disposable Bailer	5.90	ea
Whirl-Pak Headspace Bags (per 50 bags)	14.60	pack
Winter Glove Liner, Blue Knit (pair)	2.40	ea
Zooplankton Bottle	2.20	ea

General Notes: Applicable to all Equipment Listed on this Schedule

- 1.) Minimum rental period is 0.5 days unless noted.
- 2.) Rental charges begin on the first day the equipment is used on a project.
- 3.) Rental charges end on the last day the equipment is used on a project.
- 4.) A 25 percent weekly rate discount will apply to equipment rented on a daily basis for 5 or more days
- 5.) A 40 percent monthly discount will apply to equipment rented on a daily basis for 20 or more days.
- 6.) Equivalent equipment/models may be substituted for the items listed.

End Notes: Applicable to Only the Equipment Noted

- a.) Analyzer Support Kit includes the following: Airflow Kit, Heated Sample Line (50'), Heated Sample Line (100'), Gas Conditioner, Heated Filter Box, Single Pen Recorder, Dual Pen Strip Chart, Data Logger, C3/C4 Cal Gases (set), NO_x/SO₂ Cal Gases (set), CO Cal Gases (set), CO₂/O₂ Cal Gas (set of 2), SO₂ Cal Gas (set of 2), C3 Regulator Set, NO_x/SO₂ Regulators (set of 2), and CO/CO₂/O₂ Regulators (set of 2).
- b.) Employee personal vehicles subjected to field, off-site, transport or other severe duty.
- c.) Used prisms.