

REQUEST FOR PROPOSAL

Hazardous Materials and Facility Environmental
Compliance Services – Statewide

RFP No. ENV20190103

Date: January 3, 2019



EXECUTIVE SUMMARY

Virginia Department of Transportation (VDOT) has a requirement for consulting engineering services as described below. Please provide an Expression of Interest (EOI) in accordance with the attached solicitation.

Service Needed: **RFP: ENV20190103** – Hazardous Materials and Facility Environmental Compliance Services

Type of Contract: Limited Services Term Contract

Value: \$3,000,000

Performance Period: Two-year limited services term contract with two (2) optional one-year renewable terms

EOI Requirements / Instruction to Proposer can be found in: Expression of Interest Volumes I & II Section

DBE/SWaM Goal: The Department believes that these services support 10% DBE participation.

Anticipated Procurement Schedule follows*:

- | | |
|---|------------------------------|
| - Expression of Interest Due Date and Time | 01/25/2019 at 2:00 PM |
| - Short List Posted on the VDOT Website | 02/19/2019 |
| - Interviews/Technical Presentations | 03/07/2019 |
| - Final Consultant Selection | 03/25/2019 |
| - Selected Consultant Pre-Award Documents Due | 04/09/2019 |
| - Consultant Contract Signed | 05/20/2019 |

***The Department reserves the right to adjust procurement schedule as needed.**

EOI Due Date: **January 25, 2019, 2:00 p.m.** Eastern Standard Time. Submission detail can be found in the **Administrative Section, Item 6, Electronic EOI submittals for this EOI.**

Procurement Point-of-Contact: All procurement related questions or information shall be directed to Kimberly H. Mitchell at Kimberly.mitchell@vdot.virginia.gov.

GENERAL

The Virginia Department of Transportation is seeking expressions of interest from consulting engineering firms who wish to be considered to provide professional engineering services for:

Various hazardous materials and facility environmental compliance services for transportation projects and VDOT owned or operated facilities on an “as needed” basis throughout the state.

The Department anticipates, but does not guarantee, awarding multiple contracts to more than one, but not to exceed three (3) qualified prime consultant firms as a result of this Request for Proposal. The contracts will be negotiated and awarded in accordance with the procedure set forth in the current Manual for the Procurement & Management of Professional Services at the time of advertisement.

The Department reserves the right to accept or reject any or all proposals received as a result of this request, to negotiate with any qualified firm or to modify or cancel in part or in its entirety the Request for Proposal if it is in the best interest of the Department to do so. This Request does not commit the Department to provide any payment for costs associated with the preparation of proposals submitted in response to this Request for Proposal.

The Department reserves the right to alter the project delivery method at any time during the contract period. The Department will notify the consultant of such decision, revise the scope of work and respective man-hours. The change will be implemented utilizing an additional task order or supplemental agreement based on the contract type.

In response to this Request for Proposals, firms submitting an Expression of Interest as a Prime Consultant shall not serve as a sub-consultant on any other team that includes any of the same team member’s firms in which they are the Prime.

CONFIDENTIALITY

The Consultant and its employees while providing services under the subject contract may have access to sensitive records and/or information, by virtue of working on a project or being co-located with VDOT. These records and/or information are to be considered confidential and proprietary; VDOT is the owner and custodian of this information. Any information and/or records that the Consultant has access to while providing services under this contract, shall be held in confidence and shall not be used other than for the purposes of providing services to VDOT under this Contract. The Consultant and its employees shall not engage in any activities that may give the Consultant any competitive advantage for future contracts or that may cause a real or perceived conflict of interest. All Consultant employees co-located with VDOT at any VDOT offices, or a project office, irrespective of the period of co-location, shall sign the Confidentiality Certification (to be provided by VDOT).

Unless ordered by a court of competent jurisdiction, or demanded by the Virginia Attorney General’s Office, or otherwise required by law, the Consultant and its employees shall not divulge any confidential information to any entity or person outside of VDOT, including but not limited to the media, or any member of the public, without the prior permission of VDOT. Confidential information exchanges may have to be conducted as necessary and appropriate between the project team and VDOT to perform assigned tasks under the subject Contract; provided that the Consultant and its employees shall only communicate such information with individuals who are similarly obligated to VDOT under a confidentiality agreement and/or certification.

In the event of any unauthorized disclosure of such confidential information, VDOT reserves the right to take any necessary actions including but not limited to terminating the subject contract and precluding the Consultant and its employee(s) from working on any existing and/or future contracts with VDOT.

CONFLICT OF INTEREST:

The change in a project delivery method for this contract may result in a potential conflict of interests for the consultant and any of its team members. As such, the scope of work and their role may be revised and redefined to meet the project need as identified by the Department. The consultant and its team members may not be allowed to participate in ANY subsequent contracts (design and/or construction) related to this project. The Conflict of Interest determination will be made in accordance with the Department's policy. The policy is available at:

<http://www.virginiadot.org/business/resources/LocDes/IIM-APD-2.pdf>

SCOPE OF WORK

1. The scope of work shall consist of providing various hazardous materials and facility environmental compliance services for transportation projects and VDOT owned and/or operated facilities throughout the state. Services should include, but may not be limited to, the following:
 - a. Property Assessments: Perform non-intrusive assessments of real property to be acquired for transportation purposes to determine the potential for contamination from hazardous materials.
 - i. Studies may be limited to single properties, or involve assessment of multiple properties in a highway construction corridor.
 - ii. Perform environmental database searches.
 - iii. Review aerial photographs, county records, insurance maps, etc.
 - iv. Perform reconnaissance-level site surveys.
 - v. Conduct interviews with property owners and other affiliated parties.
 - vi. Prepare reports of findings and provide recommendations for further study.
 - vii. Provide CADD (Microstation) renderings as necessary to support findings.
 - b. Site Investigations: Perform intrusive investigations of real property to be acquired or demolished for transportation purposes to determine the presence and extent of contamination from hazardous materials.
 - i. Perform a detailed review of environmental agency records.
 - ii. Perform manual, direct push, and mechanical soil borings.
 - iii. Install temporary and permanent groundwater monitoring wells or well points.
 - iv. Install temporary and permanent soil vapor monitoring points.
 - v. Collect and analyze air, soil, sediment, water (including surface, ground, and drinking) and waste samples.
 - vi. Perform soil and air vapor monitoring.
 - vii. Perform geophysical studies.
 - viii. Perform surveying.
 - ix. Determine the presence of and/or potential hazards associated with bird and/or bat droppings associated with VDOT bridges and structures.
 - x. Review highway construction plans and determine the impact of hazardous materials on during construction activities.
 - xi. Prepare reports of findings and make recommendations for further studies or analyses.
 - xii. Provide CADD (Microstation) renderings as necessary to support findings.
 - c. Remedial Investigations: Perform remedial investigations to determine the level of effort to address property contamination issues.
 - i. Perform risk evaluation (screening) studies and/or quantitative risk assessments.
 - ii. Perform contaminant rate and extent studies.
 - iii. Perform fate and transport analyses.
 - iv. Perform feasibility studies.
 - v. Develop clean-up cost estimates.

- d. Remedial Design: Develop remedial designs to address clean-up of hazardous materials contamination:
- i. Provide conceptual remedial designs.
 - ii. Prepare engineering designs and specifications for remediation systems.
 - iii. Provide CADD (Microstation) renderings as necessary to support findings.
- e. Monitoring Services:
- i. Perform routine groundwater monitoring.
 - ii. Perform statistical evaluations of groundwater data.
 - iii. Prepare periodic monitoring reports.
- f. Remediation Services:
- i. Perform soil/waste removal and disposal activities.
 - ii. Perform in-situ and ex-situ soil treatment activities.
 - iii. Perform aboveground and underground storage tank removal and closure activities.
 - iv. Perform in-situ and ex-situ groundwater remediation.
 - v. Prepare underground storage tank fund reimbursement application packages.
 - vi. Prepare required permit application packages to support remediation activities.
- g. Asbestos Inspection Services:
- i. Inspect structures for the presence of asbestos-containing materials (ACM) in accordance with the requirements/regulations of the following:
 - Virginia Department of Labor and Industry (DLI)
 - Virginia Department of Professional and Occupational Regulations (DPOR)
 - VDOT Asbestos Inspection Procedures
 - ii. Provide asbestos volume estimates and removal/disposal cost estimates.
 - iii. Specialized equipment that may be periodically required to perform these services (e.g. snooper truck, bucket truck, man lifts, boats) will be approved on an individual task order basis and shall be billed as a non-salary direct cost (NSDC). Standard inspection equipment (e.g. ladder, hand tools) shall not be billable as a NSDC.
- h. Asbestos Project Monitoring Services:
- Provide monitoring services for asbestos abatement activities in accordance with the requirements/regulations of the following:
- i. Virginia Department of Labor and Industry (DLI)
 - ii. Virginia Department of Professional and Occupational Regulations (DPOR)
 - iii. VDOT Asbestos Monitoring Procedures
- i. Pollution Prevention Planning:
- i. Evaluate VDOT maintenance/equipment facilities for compliance with Spill Prevention Control and Countermeasures (SPCC) and Municipal Separate Storm Sewer System (MS4) related requirements.

- ii. Prepare and/or re-certify SPCC plans.
 - iii. Develop Storm Water Pollution Prevention Plan(s) (SWPPP).
- j. Environmental Compliance Assessment/Auditing/Inspections and Support:
- i. Perform regular assessments/audits of VDOT facilities to determine compliance with all applicable environmental regulations and VDOT policies and procedures.
 - ii. Perform Environmental Commitment Inspections (ECI) of VDOT construction projects related to hazardous materials special provisions/commitments.
 - iii. Provide mobile devices for compliance assessment information collection utilizing VDOT's mobile device applications, as necessary, which shall not be billed as a Non-Salary Direct Cost (NSDC).
 - iv. Provide support to Environmental Management System (EMS) initiatives.
- k. Incident Response: Provide environmental support services for immediate responses to hazardous materials incidents on highways and at facilities.
- l. Industrial Hygiene:
- i. Perform indoor air quality inspections, sampling, and assessments.
 - ii. Perform employee exposure assessments.
 - iii. Perform periodic monitoring, sampling, and testing, to include, but not be limited to:
 - Ventilation
 - Lead
 - Silica
 - Arsenic
 - Beryllium
 - Hexavalent Chromium
 - iv. Provide periodic respiratory fit testing (qualitative and quantitative)
 - v. Provide compliance training for respirators, z-table for air contaminants, and other relative equipment.
 - vi. Provide consultations and report reviews.
- m. Illicit Discharge Detection and Elimination (IDDE):
- i. Provide services to support VDOT's IDDE program by investigating potential illicit discharges, as needed.
 - ii. Provide mobile devices to collect and report IDDE information utilizing VDOT's systems and mobile device applications, as necessary.
- n. Environmental Training: Provide services to support VDOT's Environmental Training Program, which may include, but is not limited to:
- i. Delivery of instructor-led training events as needed.
 - ii. Development and publication of training materials in print or electronic format that are compatible with VDOT's Learning Management System and Electronic Bulletin Board Systems as needed (e.g. videos, animated slideshows/presentations).

- o. Traffic Control: Provide traffic control equipment and services in accordance with the Virginia Work Area Protection Manual, where required to support contract scope activities. Additionally, traffic control activities should be conducted through Lane Closure Advisory Management System (LCAMS) and Virginia Traffic Notification approvals and procedures.
2. Included in the scope of work are environmental services that may require dedication of one or more of the Contractor's employees to VDOT projects or work for an indeterminate amount of time (staff augmentation.) In any such case, such individuals shall remain employees of the Contractor and the Contractor shall bear all legal responsibility for the individuals as the Contractor's employees.
3. Data used to support any of the above contract scope items on any project task shall be provided to the agency in electronic format as determined necessary by VDOT technical staff.
4. All services shall be performed in accordance with all appropriate federal and state laws and regulations, and shall be of sufficient quality to obtain approval from all relevant regulatory agencies. The primary laws and regulations relevant to the services requested include, but are not limited to, the following:
 - a. Resource Conservation and Recovery Act of 1976 (RCRA)
 - b. Hazardous and Solid Waste Amendments (HSWA) of 1984
 - c. Comprehensive Environmental Response Compensation and Liability Act
 - d. Superfund Amendments and Reauthorization Act (SARA)
 - e. Clean Water Act of 1977
 - f. Safe Drinking Water Act of 1974 (UIC Regulations)
 - g. Clean Air Act (NESHAPs)
 - h. Toxic Substances Control Act (TSCA)
 - i. Virginia Hazardous Waste Management Regulations
 - j. Virginia Solid Waste Management Regulations
 - k. Virginia State Water Control Board Regulations
 - l. Occupational Safety and Health Act of 1970 (including, but not limited to, Asbestos and Lead Standards)
 - m. Virginia Department of Labor and Industry Regulations
 - n. Emergency Planning and Community Right to Know Act (EPCRA)
 - o. Hazardous Materials Transportation Act (HMTA)
 - p. Federal Water Pollution Control Act, National Environmental Policy Act of 1969
 - q. Federal Insecticide, Fungicide, Rodenticide Act (FIFRA).

5. Personnel: VDOT has determined that the following labor classifications will be necessary to perform the Scope of Work. Classifications marked with an asterisk (*) are designated as KEY PERSONNEL and are required. Offerors should include **all** of the following classifications in their EOI submission:

	Labor Classification	Overview/Skills Competencies	Education/Experience
a.	Contract Manager*	<ul style="list-style-type: none"> i. Has oversight and decision making authority for the contract. ii. As the single representative of the firm, the individual signs or delegates signatory authority to other Sr. Staff of proposals or agreements. iii. Responsible for all actions of the firm's staff members. 	<ul style="list-style-type: none"> i. Typically possesses a minimum of 10 years of experience in project or contract management. ii. At minimum a four year degree from an accredited college or university.
b.	Senior Hydrogeologist/ Engineer/Industrial Hygienist*	<ul style="list-style-type: none"> i. Viewed as a senior professional with leadership role in planning, organizing, and supervising the work of mid-level and junior professionals and technicians. ii. Resolves problems or challenges of significant scope and impact and high complexity. iii. Used for oversight and final review of deliverables. iv. Responsible for managing task orders, preparing proposals, plans, reports and analysis. 	<ul style="list-style-type: none"> i. Typically possesses 15 years of experience in a relevant field. ii. Demonstrated experience in similar roles/responsibilities on complex/major projects. iii. Professional licenses/certifications required (PE, PG, CIH). Virginia license preferred. iv. At minimum a four year degree from an accredited college or university.
c.	Hydrogeologist/ Engineer/Industrial Hygienist*	<ul style="list-style-type: none"> i. Performs complex assignments, making independent decisions on problems and methods. ii. Interacts with senior staff along with VDOT Hazardous Material Managers. This person will lead project work in consultation with senior level staff. 	<ul style="list-style-type: none"> i. Typically possesses a minimum of 7 years of demonstrated experience in similar roles/responsibilities. ii. Professional licenses/certifications required (PE, PG, CIH). Virginia license preferred. iii. At minimum a four year degree from an accredited college or university.

*KEY PERSONNEL

	Labor Classification	Overview/Skills Competencies	Education/Experience
d.	Senior Engineer/Scientist* (Includes multi-disciplinary backgrounds such as Geologist, Chemist, Biologist, Environmental Scientist, Industrial Hygienist)	<ul style="list-style-type: none"> i. Viewed as a senior professional with leadership role in planning, organizing, and supervising the work of mid-level and junior professionals and technicians. ii. Resolves problems or challenges of significant scope and impact and high complexity. iii. Used for oversight and final review of deliverables. iv. Responsible for managing task orders, preparing proposals, plans, reports and analysis. v. Interacts with VDOT Hazardous Material Managers and leads project work vi. May supervise a small staff. 	<ul style="list-style-type: none"> i. Typically possesses 10 years of experience in a relevant field. ii. Demonstrated experience in similar roles/responsibilities on complex /major projects. iii. A four-year degree from an accredited college or university.
e.	Engineer/Scientist* (Includes multi-disciplinary backgrounds such as Geologist, Chemist, Biologist, Environmental Scientist, Industrial Hygienist)	<ul style="list-style-type: none"> i. Performs assignments, making independent decisions on problems and methods. ii. Interacts with senior staff along with VDOT Hazardous Material Managers. This person will lead project work in consultation with senior level staff. iii. May supervise a small staff. 	<ul style="list-style-type: none"> i. Typically possesses a minimum of 5 years of demonstrated experience in similar roles/responsibilities. ii. At minimum a four year degree from an accredited college or university.
f.	Junior Engineer/Scientist (Includes multi-disciplinary backgrounds such as Geologist, Chemist, Biologist, Environmental Scientist, Industrial Hygienist)	<ul style="list-style-type: none"> i. Performs assignments exercising judgement in evaluation, selection, and modification of standard hazardous material management techniques and procedures. ii. This person will perform project work in consultation with senior and mid-level staff. 	<ul style="list-style-type: none"> i. Demonstrated experience in relevant areas of programs/ projects. ii. At minimum a four year degree from an accredited college or university.
g.	CADD Technician	<ul style="list-style-type: none"> i. Prepares technical drawings and designs independently under broad direction from senior and mid-level staff on various assignments. ii. Requires extensive knowledge of CADD to prepare maps through programs such as Microstation/ AutoCad. 	Demonstrated experience in similar roles/ responsibilities on projects.

*KEY PERSONNEL

	Labor Classification	Overview/Skills Competencies	Education/Experience
h.	Senior Technician	<ul style="list-style-type: none"> i. Viewed as a technical expert resolving problems of greater scope and complexity. ii. May plan or develop project activities, which have significant impacts on programs or projects. iii. May plan, organize, and supervise a group of professionals and technicians. 	<ul style="list-style-type: none"> i. Typically possesses 5 years' experience in relevant area of expertise. ii. Demonstrated experience in similar roles/responsibilities on complex major transportation infrastructure programs or projects.
i.	Technician	<ul style="list-style-type: none"> i. Performs assignments exercising judgement in evaluating and identifying problems on technical and issues but typically does not perform field activities by themselves. ii. Interacts with Senior and mid-level staff to implement project fieldwork. 	Demonstrated experience in relevant areas of programs/projects.
j.	Administrative Assistant	Provides general office support, including but not limited to consolidating reports, monitoring incoming/outgoing correspondence, finalizing written documentation, monitoring status of periodic activities and reports, hardcopy/ electronic document filing, and other office administration type functions.	<ul style="list-style-type: none"> i. Demonstrated experience in similar roles/responsibilities. ii. Demonstrated skill with Microsoft Office software suite.

6. This work is to be accomplished utilizing computerized design and drafting systems compatible with the Department's automated design and drafting systems. The Department's roadway design system is GEOPAK\OpenRoads Civil Design Software and the drafting system is MicroStation. This project will be developed utilizing the Department's policies and procedures and FHWA's guidelines.
7. A list of direct costs for services and analytical methods typically associated with the Scope of Work is included as Attachment H. This list is for informational purposes only. **PRICING FOR THESE ITEMS SHALL NOT BE SUBMITTED PRIOR TO FINAL SELECTION AND NEGOTIATION.**

EXPRESSIONS OF INTEREST; VOLUMES I AND II

1. The Expression of Interest must be submitted in two separate volumes. Each volume will be submitted by the required due date and time as outlined in this RFP under the Administrative heading, Section 6. Only one cover letter is required to submit both volumes. Each volume must contain the following information as shown in the table below.

(All items shall be on 8 1/2” X 11” and printed on one side with single-spaced type no smaller than 10 point where applicable.)

Volume I - Technical Qualifications Submittal	Volume II - Administrative Requirements Submittal
Table of Contents	Table of Contents
Cover Letter (1 page or less)	Firm Data Sheet
Standard Form 330 Part I	DBE Commitment and Confirmation Letter (if applicable)
Standard Form 330 Part II	Present Workload with Department Form
Response to RFP Expression of Interest	Names and detailed addresses of all affiliated and/or subsidiary companies
	Certification Regarding Debarment
	Table Matrix containing the requested information (SCC and DPOR registration and licenses)

2. Furnish current SF 330 Part II for each firm involved, and one (1) combined SF 330 Part I for the project team. Please follow the instructions included on the form, unless indicated otherwise within this RFP. (Vol. I)
3. As referenced in SF 330 Part I, Section D (Organizational Chart of Proposed Team), a one page organizational chart showing all firms involved and key personnel assignments and responsibilities is required to be included. (Vol. I, included in SF330)
4. Indicate **KEY PERSONNEL ONLY** resumes in SF 330 Part I, Section E (Resumes of Key Personnel Proposed for This Contract). Key personnel are defined as those to whom the contract will be assigned and who will be performing the actual management of the work and be responsible for inspection, administrative and design services. Each resume shall be limited to one page per person with a font no less than 10 point. (Vol. I, included in SF330)

Furthermore, all individuals identified as Key Personnel in the EOI shall remain on the Consultant’s Team for the duration of the procurement process and, if the consultant is awarded a contract, the duration of the contract. If extraordinary circumstances require a proposed change, it must be submitted in writing to the Department’s Project Manager for approval, who, at his/her sole discretion, will determine whether to authorize a change. Unauthorized changes to the Consultant’s Team at any time during the procurement process may result in elimination of the Consultant’s Team from further consideration.

5. In SF 330 Part I, Section F (Example Projects Which Best Illustrate Proposed Team's Qualifications for This Contract), limit example projects to no more than ten (10). Each project example shall not exceed one (1) page. (Vol. I, included in SF330)
6. In SF 330 Part I, Section G (Key Personnel Participation in Example Projects), limit example projects to no more than ten (10). The example projects listed in Section G (#29) should match the example project list provided in Section F. (Vol. I, included in SF330)
7. In SF 330 Part I, Section H (Additional Information), the consultant should detail the plan to assure the Department that the staff submitted for evaluation will be available for the services requested by the RFP. Section H of SF 330 Part I is limited to a maximum of ten (10) pages with a font no less than 10 point. This section should describe the organization of the proposed project staff indicating the role of each by individual. If sub-consultants are proposed, the role of each sub-consultant should be discussed. It should also include statements that are responsive to the attached Consultant Short List Score Sheet that will be used to evaluate your submission. This is the ONLY section of the submission which may include pictures or graphics (included in the ten page limit). List any computer and CADD equipment and any specialized computer software packages that you will use on this VDOT project. (Vol. I, included in SF330)
8. It is the policy of the Virginia Department of Transportation that Disadvantaged Business Enterprises (DBE) as defined in 49 CFR Part 26 shall have the maximum opportunity to participate in the performance of federally funded consultant contracts. A list of Virginia Department of Small Business and Supplier Diversity (DSBSD) certified DBE firms is maintained on their web site (<http://www.sbsd.virginia.gov/>) under the **DBE Vendor Directory of Virginia Unified Certification Program**. Consultants are encouraged to take all necessary and reasonable steps to ensure that DBE firms have the maximum opportunity to compete for and perform services on the contract, including participation in any subsequent supplemental contracts. If the consultant intends to subcontract a portion of the services on the project, the consultant is encouraged to seek out and consider DBE firms as potential sub-consultants. The consultant is encouraged to contact DBE firms to solicit their interest, capability and qualifications. Any agreement between a consultant and a DBE firm whereby the DBE firm promises not to provide services to other consultants is prohibited. The Department believes that these services support 10% DBE participation.

In accordance with the Governor's Executive Order No. 20, the Virginia Department of Transportation also requires a utilization of Small, Women and Minority (SWaM) Businesses to participate in the performance of state funded consultant contracts. A list of Virginia Department of Small Business and Supplier Diversity (DSBSD) certified SWaM firms is maintained on the DSBSD web site (<http://www.sbsd.virginia.gov/>) under the **SWaM Vendor Directory** link. Consultants are encouraged to take all necessary and reasonable steps to ensure that SWaM firms have the maximum opportunity to compete for and perform services on the contract, including participation in any subsequent supplemental contracts. If the consultant intends to subcontract a portion of the services on the project, the consultant is encouraged to seek out and consider SWaM firms as potential sub-consultants. The consultant is encouraged to contact SWaM firms to solicit their interest, capability and qualifications. Any agreement between a consultant and a SWaM firm whereby the SWaM firm promises not to provide services to other consultants is prohibited.

- a. Written documentation of the prime's commitment to the DBE or SWaM firm to subcontract a portion of the services, a description of the services to be performed and the percent of participation.

- b. Written confirmation from the DBE or SWaM firm that it is participating, including a description of the services to be performed and the percent of participation.

49 CFR Part 26 requires VDOT to collect certain data about firms attempting to participate in VDOT contracts. This data must be provided on the enclosed Firm Data Sheet (Attachment D).

VDOT is also required to capture DBE and SWaM payment information on all professional services contracts. The successful prime consultant will be required to complete C- 63 form for both state and federally funded projects on quarterly basis.

Any DBE or SWaM firm must become certified (with the Virginia Department of Small Business and Supplier Diversity) prior to your response being submitted. If DBE or SWaM firm is the prime consultant, the firm will receive full credit for planned involvement of their own forces, as well as the work that they commit to be performed by DBE or SWaM sub-consultants. DBE or SWaM prime consultants are encouraged to make the same outreach efforts as other consultants. DBE or SWaM credit will be awarded only for work actually being performed by them. When a DBE or SWaM prime consultant subcontracts work to another firm, the work counts toward DBE or SWaM goals only if the other firm is itself a DBE or SWaM. A DBE or SWaM prime consultant must perform or exercise responsibility for at least 30% of the total cost of its contract with its own force.

DBE or SWaM certification entitles consultants to participate in VDOT's DBE and SWaM programs. However, this certification does not guarantee that the firm will obtain VDOT work nor does it attest to the firm's abilities to perform any particular work.

Business Opportunity and Workforce Development (BOWD) Center - The BOWD Center is a VDOT developmental supportive services program and partnering initiative funded by FHWA for selected DBE firms of various skill and competence levels interested in entering, enhancing or expanding highway contracting opportunities with prime consultants. The partnering initiative between prime consultants and BOWD DBE firms provides the opportunity for the further development of DBE firms through performance on contracts and guidance from prime consultants. The intent of this partnering initiative is to increase capacity by perfecting existing skills and knowledge, expanding into new work areas, and prime consultant joint venturing with DBE firms.

The prime consultants are encouraged to achieve all of the required DBE participation/goals determined for this project by the utilization of BOWD approved firms. To assist consultants in taking advantage of this opportunity for utilization of approved firms, please contact the Department of Small Business and Supplier Diversity (SBSD) for additional information, details, resources and support. The SBSBD can be reached by following the link to their website. <https://www.sbsd.virginia.gov/> (Vol. II)

9. If any firms involved with this submission currently have work with the Department, indicate the projects, the division managing the projects, the amount of outstanding fee remaining, and the estimated date of completion. For limited services term contracts, include only the amount of all tasks orders executed or under negotiation. Also, include your estimated fees for pending supplemental agreements and any projects for which the firms have been selected, but have not executed an agreement. Work of affiliated and/or subsidiary companies is to be included. The outstanding workload of any Virginia Department of Small Business and Supplier Diversity certified DBE or SWaM prime or sub-consultant may be reduced up to \$4 million and the remainder (>\$0) shall be added to the team's total workload. When a DBE or SWaM firm

graduates from the program, their workload incurred while a DBE or SWaM may be reduced up to \$4 million for the next three years. All new work obtained after graduating from the program will be counted. Work being performed under the Public Private Transportation Act (PPTA) shall not be included. Work being performed as a prime, joint venture, or sub-consultant on a VDOT Design-Build project shall be included. The outstanding fee remaining is the maximum total compensation payable less the amount previously paid to date. **Only Category B work will be counted in the scoring criteria.** This information shall be submitted using the attached Present Workload with Department form (Attachment A). Please carefully read the instructions on the Present Workload with Department form. (Vol.II)

10. Give names and detailed addresses of all affiliated and/or subsidiary companies. Indicate which companies are subsidiaries. If a situation arises in responding to this questionnaire where you are unsure whether another firm is or is not an affiliate, doubt should be resolved in favor of affiliation and the firm should be listed accordingly. (Vol.II)

Affiliate - Any business entity which is closely associated to another business entity so that one entity controls or has the power to control the other entity either directly or indirectly; or, when a third party has the power to control or controls both; or where one business entity has been so closely allied with another business entity through an established course of dealings, including but not limited to the lending of financial wherewithal, engaging in joint ventures, etc. as to cause a public perception that the two firms are one entity. Firms which are owned by a holding company or a third party, but otherwise meet the above conditions and do not have interlocking directorships or joint officers serving are not considered affiliates.

A firm (prime) shall not submit more than one Expression of Interest (EOI) in response to this Request for Proposals (RFP). If more than one EOI is submitted by an individual, partnership, Corporation, or any party of a Joint Venture, then all EOIs submitted by that individual, partnership, Corporation, or any party of a Joint Venture shall be disqualified.

11. In 10 pages or less, please emphasize your qualifications and experience in each of the areas designated in the Scope of Work (Vol. I).
12. Please indicate, by executing and returning the attached Certification Regarding Debarment forms (Attachments E and F), if your firm, sub-consultant, subcontractor, or any person associated therewith in the capacity of owner, partner, director, officer or any position involving the administration of Federal or State funds:
 - a. Is currently under suspension, debarment, voluntary exclusion or determination of ineligibility by any federal agency.
 - b. Has been suspended, debarred, voluntarily excluded or determined ineligible by any federal agency within the past 3 years.
 - c. Does have a proposed debarment pending; or has been indicted, convicted, or had a civil judgment rendered against it or them by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past 3 years.

Any of the above conditions will not necessarily result in denial of award, but it will be considered in determining offeror responsibility. For any condition noted, indicate to whom it applies, initiating agency, and dates of action. Providing false information may result in Federal criminal prosecution or administrative sanctions. (Vol. II)

13. If the prime consultant or sub-consultant does not have the in-house capability to provide non-professional services, each with an estimated cost of \$5,000 or greater, such as diving services, soil drilling, sampling services or laboratory testing, these services must be subcontracted in accordance with State procurement procedures once a contract is executed, with no DBE or SWaM credit in the selection of the most qualified firm or team. Clearly indicate these services in the EOI. (Vol. I)

14. Each business entity (prime and sub-consultants) on the proposed team who is practicing or offering to practice professional services in Virginia, including, but not limited to, those practicing or offering to practice engineering, surveying, hydrologic and hydraulic analysis, geotechnical analysis and landscape architecture, should provide the appropriate commercial professional registration and license details for all main and branch offices proposed for this Project, as well as appropriate individual registration/license details for those professional occupations per the requirements listed below. The EOI should convey the requested information by the use of the two tables included in this RFP (Attachment B – Firm Registration Information, and Attachment C – Key Personnel Registration Information):
 - a. The Commonwealth of Virginia SCC registration detailing the name, registration number, type of corporation and status of the business entity.
 - b. For this Project/Contract, the Commonwealth of Virginia DPOR registration information for each office practicing or offering to practice any professional services in Virginia: Provide the business name, address, registration type, registration number, expiration date.
 - c. For this Project/Contract, the Commonwealth of Virginia DPOR license information for each of your Key Personnel practicing or offering to practice professional services in Virginia: Provide the name, the address, type, the registration number, and the expiration date. Provide the office location where each of the Key Personnel is offering to practice professional services.
 - d. For this Project/Contract, the Commonwealth of Virginia DPOR license information for those services not regulated by the Board for Architects, Professional Engineers, Land Surveyors, Certified Interior Designers, and Landscape Architects (e.g. real estate appraisal): the business name, the address, the registration type, the registration number, and the expiration date.

Failure to comply with the law with regard to those requirements in Virginia (whether federal or state) at the time of the EOI submittal regarding your organizational structure, any required registration with governmental agencies and/or entities, and any required governmental licensure, whether business, individual, or professional in nature may render your EOI submittal(s), in the sole and reasonable discretion of the Department, non-responsive and in that event your EOI submittal(s) may be returned without any consideration or evaluation. (Vol. II)

ADMINISTRATIVE

1. Prior to the time of submittal of the EOI, all business entities, except for sole proprietorships, are required to register with the Virginia State Corporation Commission. Information about entity formation can be found at <https://www.scc.virginia.gov/default.aspx>. Foreign Professional corporations and Foreign Professional Limited Liability Companies (i.e., organized or existing under the laws of a state or jurisdiction other than Virginia) must possess a Commonwealth of Virginia Certificate of Authority from the State Corporation Commission to render professional services. Any business entity other than a professional corporation, professional limited liability company or sole proprietorships that do not employ other individuals for which licensing is required must be registered in the Commonwealth of Virginia with the Department of Professional & Occupational Regulation <http://www.dpor.virginia.gov/>, Virginia Board for Architects, Professional Engineers, Land Surveyors and Landscape Architects (Board). Board regulations require that all branch offices of professional corporations and business entities located in Virginia, which offer or render any professional services relating to the professions regulated by the Board shall be registered as separate branch office with the Board. All offices, including branches, which offer or render any professional service, must have at least one full-time resident professional in responsible charge who is licensed in the profession offered or rendered at that office. All firms involved that are to provide professional services must meet these criteria prior to submitting an Expression of Interest to the Department. Individual engineers shall meet the requirements of Chapter 4, Title 54.1 of the Code of Virginia.
2. The Department will not consider for award any cost proposals submitted by any consultants and will not consent to subcontracting any portions of the contract to any sub-consultants in violation of the provisions of the Federal Immigration Reform and Control Act of 1986, which prohibits employment of illegal aliens.
3. Based upon the procurement and contract schedule, the approved escalation rate for this contract is 1.5% for year one (1) and 3.0% for year two (2). Any additional terms authorized for renewal will use the prevailing escalation rate at the time of renewal. Payment for work performed beyond the last term of the contract will remain at the rates of the most recent term renewal.
4. All firms submitting Expressions of Interest (prime consultants, joint ventures and sub-consultants) must have internal control systems in place that meet Federal requirements for accounting. These systems must comply with requirements of 48CFR31, "Federal Acquisition Regulations, Contract Cost Principles and Procedures," and 23CFR172, "Administration of Negotiated Contracts." All architectural or engineering firms selected for a project (prime consultants, joint ventures and sub-consultants) must submit their FAR audit data along with a Contractor Cost Certification for indirect cost rates required by FHWA order 4470.1A dated October 27, 2010 to the Department within 10 work days of being notified of their selection, whereby an official of an architectural or engineering firm shall certify that the indirect cost rate submitted does not include any costs which are expressly unallowable and that the indirect cost rate was established only with allowable costs in accordance with the applicable cost principles contained in the Federal Acquisition Regulations (FAR) of 48CFR31. A sample Contractor Cost Certification is available for architectural or engineering firm's use on VDOT website at <http://www.virginiadot.org/business/gpmps.asp>. Should any firm on the consultant team fail to submit the required audit data and certification within the 10 work days, negotiations may be terminated by the Department and the next most qualified team invited to submit a proposal.
5. Records Exclusion from Public Disclosure: Pursuant to the provisions of §2.2-3705.6 (22) of the Code of Virginia, trade secrets, as defined in the Uniform Trade Secrets Act (§ 59.1-336 et seq.), including, but not limited to, financial records, including balance sheets and financial statements,

that are not generally available to the public through regulatory disclosure or otherwise, and revenue and cost projections supplied by a private or nongovernmental entity to the Inspector General of the Virginia Department of Transportation for the purpose of an audit, special investigation, or any study requested by the Inspector General's Office in accordance with law may, subject to a determination by the Inspector General as described herein, be withheld from public disclosure under the Virginia Freedom of Information Act (FOIA). To enable the Inspector General to identify data or records that may be subject to this exclusion from disclosure under FOIA the private or nongovernmental entity shall, in accord with procedures adopted by the Inspector General, make a written request to the Inspector General of the Virginia Department of Transportation:

- invoking such exclusion upon submission of the data or other materials for which protection is sought;
- identifying with specificity the data or other materials for which protection is sought; and stating the reasons why protection is necessary.

The Inspector General of the Virginia Department of Transportation shall determine whether the requested exclusion from disclosure is necessary to protect the trade secrets or financial records of the private entity. The Virginia Department of Transportation shall make a written determination of the nature and scope of the protection to be afforded by it. Notwithstanding the foregoing, Contractor's failure to comply with the requirements stated herein and procedures established by the Inspector General for seeking an exclusion pursuant to §2.2-3705.6 (22) of the Code of Virginia shall result in a denial of the exclusion. Requests for exclusion that are submitted after data or other materials for which protection is sought have been submitted will be denied.

If litigation directly or indirectly results from or arises out of a granted exemption, the contractor will be responsible for all litigation costs incurred by contractor and/or VDOT associated with such litigation. In no event shall the Virginia Department of Transportation or its officers, employees or agents be liable to the contractor as a result of any disclosure of records or data collected by the Department, its officers, employees or agents, pursuant to an audit, special investigation, or any study requested by the Inspector General's Office, whether or not the Inspector General has determined that the requested exclusion from disclosure under FOIA is necessary to protect the trade secrets or financial records of the private entity, and in no event shall the Virginia Department of Transportation, or its officers, employees, or agents be liable to the contractor for any damages or other claims arising directly or indirectly from a determination that the exclusion from public disclosure will not be granted.

- 6. Electronic EOI submittals are required for this EOI.** Submittals shall be prepared simply and economically, providing a straightforward, concise description of the firm's capabilities to satisfy the requirements of the RFP. Emphasis should be on completeness and clarity of content. Elaborate brochures and other representations beyond that sufficient to present a complete and effective proposal are neither required nor desired. Please do not duplicate information furnished in the SF 330 Part I and Part II elsewhere in the submittal. **All information must be submitted electronically through VDOT's ProjectWise system and received no later than 2:00 P.M. (local time prevailing) on 01/25/2019. Responses received after this time will not be considered. Please note that electronic submittals are time stamped at the moment that a file *completes* uploading. The uploading process is sensitive to connection speed and file size – a 25 MB file may take 15 minutes to load. Please plan accordingly, so that the time stamp occurs prior to 2:00 p.m., 01/25/2019.** All text in the PDF file shall be searchable using Adobe Acrobat software except within illustrations and scanned registration documents.

- a. **Requests for new logins and passwords to the ProjectWise system must be submitted to CADD Support at least 5 business days prior to the due date.**

[Instructions on how to request a ProjectWise Account](#)

- b. When submitting the Expression of Interest electronically, upload a test file at least 2 business days prior to the due date to insure that your computer software is compatible and working correctly. Contact the CADD Support Helpdesk to confirm the upload was successful. The test file will be deleted at that time. We recommend using Internet Explorer version **10 or 11**. The ProjectWise Web Server interface requires ActiveX controls for full functionality. Internet Explorer is the only browser supporting ActiveX controls and therefore is recommended for use with ProjectWise Web Server. Google Chrome and Mozilla Firefox are supported browsers that can also be used to access ProjectWise Web Server with limited functionality.
- c. The file name field is limited to a maximum of 80 characters. File names **cannot contain** special characters such as an ampersand (&) or apostrophe (').

File names should follow the format: Vol I_RFPNo_Firm Name.pdf.

For Example: **VOL I_ENV20190103_Jones Construction.pdf**

VOL II_ENV20190103_Jones Construction.pdf

All Expressions of Interest must be loaded into the “Expression of Interest” subfolder. Expression of Interest loaded into any other folder will not be accepted.

- d. **Do not wait until the last minute to upload the EOI.** The time required for the upload to complete has several variables, including the load on the system with multiple concurrent uploads. If steps A and B are completed at least 5 business days and step C is completed at least 2 days prior to the due date, it will help to eliminate any last minute issues.

All electronic deliveries shall be made to the following VDOT Web address:

<https://projectwise.vdot.virginia.gov/>

Any offeror needing access to submit an Expression of Interest to the Professional Services Procurement area on the ProjectWise Web Site must email the VDOT CADD Support Helpdesk at CADDSupport@VDOT.virginia.gov at least 7 business days prior to the submission date to request a ProjectWise login and password or to request that an existing ProjectWise account be given access.

The VDOT CADD Support Helpdesk phone numbers are:

LOCAL: (804) 786-1280

TOLL FREE: (888) 683-0345

HOURS: 7:30AM – 4:30PM Monday – Friday (Closed on State Holidays)

7. The Department assures compliance with Title VI of the Civil Rights Act of 1964, as amended. The consultant and all sub-consultants selected for this project will be required to submit a Title VI letter of approval within 10 working days of notification of selection when requested by the Department or a Title VI report in the absence of a letter of approval. This requirement applies to all consulting firms when the contract amount equals or exceeds \$10,000.

The Virginia Department of Transportation (VDOT) in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252, 42 U.S.C. §§ 2000d to 2000d-4) and the Regulations, hereby notifies all bidders that it will affirmatively ensure that any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full and fair opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

8. The Offeror shall be in compliance with Commonwealth of Virginia Executive Order 61 Ensuring Equal Opportunity and Access for all Virginians in state contracting and public services. The Offeror shall maintain a non-discrimination policy, which prohibits discrimination by the Offeror on the basis of race, sex, color, national origin, religion, sexual orientation, gender identity, age, political affiliation, disability, or veteran status. This policy shall be followed in all employment practices, subcontracting practices, and delivery of goods or services. The Offeror shall also include this requirement in all subcontracts valued over \$10,000.
9. Any offeror who desires to protest the award of a contract shall submit such protest in writing to the Department no later than ten days after the announcement of the award. Public announcement of the award shall be posted on the Department's Business Center Internet site.
10. eVA Business-to-Government Vendor Registration: The eVA Internet electronic procurement solution, web site portal (<http://www.eva.state.va.us>), streamlines and automates government purchasing activities in the Commonwealth. The portal is the gateway for vendors to conduct business with state agencies and public bodies. All vendors desiring to provide goods and/or services to the Commonwealth shall participate in the eVA Internet e-procurement solution through either eVA Basic Vendor Registration Service or eVA Premium Vendor Registration Service. For more detail information regarding eVA, registrations, fee schedule, and transaction fee, use the website link: <http://www.eva.state.va.us>. All bidders or offerors must register in eVA; failure to register may result in the bid/proposal/expression of interest being rejected.
11. The required services will involve the handling of Critical Infrastructure Information/Sensitive Security Information (CII/SSI) material. Firm(s) handling CII/SSI material will be required to sign non-disclosure agreements. Individuals with the firm(s) that handle CII/SSI material will be required to sign non-disclosure agreements. Once negotiations have been completed and prior to executing a contract, personnel handling CII/SSI material, visiting Critical Infrastructure (CI) facilities or performing bridge/tunnel inspections may be required to pass a fingerprint-based Criminal History Background Check (CHBC). An individual employee's failure to successfully pass the fingerprint-based CHBC will not negate the selection and offerors will be allowed to replace those individuals. However, if key personnel fail the fingerprint-based CHBC, the selection may be cancelled and negotiations begun with the next ranked offeror. VDOT reserves the right to conduct fingerprint-based CHBC on all employees of the prime consultant, on any employees of sub-consultants or on any proposed replacements during the term of the contract who will be involved in this project. All costs associated with the fingerprint-based CHBC are the responsibility of the prime consultant. A VDOT issued photo-identification badge is required for each employee of the prime consultant or any sub-consultant who will need access to VDOT CI facilities or who will be performing bridge/tunnel inspections. Based upon the results of the fingerprint-based CHBC, VDOT reserves the right to deny issuance of a VDOT security clearance or a VDOT issued photo-identification badge.
12. The consultant shall not be responsible for correcting any product(s) (e.g., hardware, software, firmware) which were not provided under the agreement or for correcting any previously owned Department products that are used in combination with the Department's product(s). However, if this solicitation identifies any product or sources of data to be used in combination with the

product(s) delivered under the resulting agreement, the consultant shall be responsible for providing all necessary interface(s) or other appropriate means for assuring that data output from such other product(s) or source(s) is automatically corrected before being processed by the product(s) or system provided under this agreement.

ATTACHMENT D – FIRM DATA SHEET (Vol. II)

Funding: ____ (S=State F=Federal)

Project No.: ENV20190103

Division: Environmental

EOI Due Date: 01/25/2019

The prime consultant is responsible for submitting the information requested below on all firms on the project team, both prime and all sub-consultants. All firms are to be reported on one combined sheet unless the number of firms requires the use of an additional sheet. Failure to submit all of the required data may result in the Expression of Interest not being considered.

Firm's Name, Address and DBE and/or SWAM Certification Number	Firm's DBE or SWaM Status *	Firm's Age	Firm's Annual Gross Receipts

* YD = DBE Firm Certified by DMBE

N = DBE or SWaM Firm Not Certified by DMBE

NA = Firm Not Claiming DBE or SWaM Status

YS = SWaM Firm Certified by DMBE. Indicate whether small, woman-owned, or small business.

DMBE is the Virginia Department of Small Business and Supplier Diversity

ATTACHMENT E

CERTIFICATION REGARDING DEBARMENT
PRIMARY COVERED TRANSACTIONS
(To be completed by a Prime Consultant)
Vol. II

RFP No./Title: ENV20190103, Hazardous Materials and Facility Environmental Compliance Services

- 1) The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:
 - a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency.
 - b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; and have not been convicted of any violations of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification, or destruction of records, making false statements, or receiving stolen property;
 - c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph 1) b) of this certification; and
 - d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.
- 2) Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the offeror for contracts to be let by the Commonwealth Transportation Board.

Signature Date Title

Name of Firm

ATTACHMENT F

CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS
(To be completed by a Sub-consultant)
Vol. II

RFP No./Title: ENV20190103, Hazardous Materials and Facility Environmental Compliance Services

- 1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
- 2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the offeror for contracts to be let by the Commonwealth Transportation Board.

Signature

Date

Title

Name of Firm

ATTACHMENT G – EVALUATION CRITERIA

CONSULTANT SHORT LIST SCORE SHEET – FEDERALLY / STATE FUNDED PROJECT
(FOR PROFESSIONAL SERVICES)

DIVISION: Environmental

PROJECT: Term Contract

FIRM: _____

DESCRIPTION: Hazardous Materials and Facility Environmental Compliance Services

DATE: _____

		NUMERICAL VALUE	AVG.	WEIGHT	WEIGHTED EVALUATION
FIRM/TEAM'S EXPERIENCE IN SIMILAR TYPE OF SERVICES (Expertise, experience and qualifications of team in providing services as related to the scope of work) (1=least, 10=most)		1-10		25%	
PERSONNEL'S EXPERIENCE IN SIMILAR TYPE OF SERVICES (Expertise, experience and qualifications of team in providing services as related to the scope of work) (1=least, 10=most)		1-10		45%	
QUALIFICATIONS OF CONTRACT MANAGER (Expertise, experience and qualifications in project management as related to the scope of work) (1=least, 10=most)		1-10		5%	
ORGANIZATIONAL CAPABILITY (Ability to complete work in a timely manner, size of firm(s) relative to size of project, proposed project staff resources, proposed use of sub-consultants) (1=least, 10=most)		1-10		15%	
PRESENT WORKLOAD WITH DEPARTMENT (Dollar value of present outstanding fee including estimated pending contracts under negotiation. For limited services term contracts, include the amount of all task orders executed or under negotiation. Work being performed under the Public Private Transportation Act (PPTA) shall not be included. Work being performed as a prime, joint venture or sub-consultant on a Design-Build project shall be included.) † (Only Category B workload is counted on this selection*)	Above \$4,000,000	0		10%	
	3,500,001-4,000,000	1			
	3,000,001-3,500,000	2			
	2,500,001-3,000,000	3			
	2,000,001-2,500,000	4			
	1,500,001-2,000,000	5			
	1,000,001-1,500,000	6			
	750,001-1,000,000	7			
	500,001-750,000	8			
	250,001-500,000	9			
0-250,000	10				
				TOTAL	

***CATEGORIES OF WORKLOAD:**

A - TERM SURVEYING AND UTILITY DESIGNATION/LOCATION CONTRACTS

B - PRELIMINARY ENGINEERING CONTRACTS - includes transportation planning and environmental studies, utility relocation and design, and roadway and bridge design.

C - CONSTRUCTION ENGINEERING CONTRACTS - includes construction inspection, preparation of final estimates..

D - OPERATION AND MAINTENANCE CONTRACTS - includes operation and maintenance of traffic management systems.

E - BRIDGE SAFETY INSPECTION CONTRACTS - includes bridge and traffic structure safety inspection.

† The outstanding workload of any certified DBE or SWaM prime and sub-consultant may be reduced up to \$4M and the remainder (>\$0) added to the team's total workload. When a DBE or SWaM firm graduates from the program, their workload incurred while a DBE or SWaM may be reduced up to \$4M for the next three years. Any new work obtained after graduating from the program will be counted.

In determining the final short list, the top ranked firms and their sub-consultants will have their VDOT Consultant Performance Reports reviewed and/or references checked.

ATTACHMENT H – DIRECT COST ITEMS

NOTE: PRICING FOR THESE ITEMS SHALL NOT BE SUBMITTED PRIOR TO FINAL SELECTION AND NEGOTIATION.

ITEM NO.	DIRECT COST ITEM DESCRIPTION	UNIT OF MEASURE
1	Direct push probe rig (includes mobilization/demobilization, rig, operating personnel, sample collection, borehole pavement patching, borehole abandonment, incidentals); 1 day up to 10 hours on-site	Day
2	Direct push probe rig (includes mobilization/demobilization, rig, operating personnel, sample collection, borehole pavement patching, borehole abandonment, incidentals); ½ day up to 4 hours on-site	½ Day
3	Direct push probe/auger combined rig (includes mobilization/demobilization, rig, operating personnel, sample collection, borehole pavement patching, borehole abandonment, incidentals); 1 day up to 10 hours on-site	Day
4	Direct push probe/auger combined rig (includes mobilization/demobilization, rig, operating personnel, sample collection, borehole pavement patching, borehole abandonment, incidentals); ½ day up to 4 hours on-site	½ Day
5	Temporary monitoring well point – 1 inch PVC Riser	Linear Foot
6	Temporary monitoring well point – 1 inch PVC Screen (including bottom plug, sand and bentonite)	Linear Foot
7	2-Inch permanent Monitoring Well Construction using auger feature of direct push probe/auger combined rig (includes PVC riser, PVC screen (10 feet), materials (filter pack and grout), incidental equipment, flush-mount cover	Linear Foot
8	Database record search ASTM 1527-D (Basic EDR or Equivalent Search)	Each
9	ASTM 1527-D (Basic EDR or Equivalent Search + Sanborn, City Directory, Topo, Aerials). Additional a la carte items (i.e. additional Sanborn panels), should be billed at cost.	Each
10	Bailers Disposable (Polyethylene)	Each
11	Steel Drum (55-GAL; D.O.T.)	Each
12	PPE – Level D (Tyvek only)	Person/Day
13	Asbestos Inspection (Inspector and standard inspection equipment, i.e. ladder, hand tools, flashlight, etc. Does not included specialized equipment such as snooper truck, lifts, bucket trucks, drones, etc.) and Asbestos Report Preparation (Does not include QA/QC review, CADD and administrative support).	Hour
14	Asbestos Project Monitor (Monitor and equipment) and Report Preparation (Does not include QA/QC review, CADD and administrative support).	Hour
15	Emergency Response (per person labor only; 1-hour response; 6:00 p.m. to 6:00 a.m.)	Hour
16	Power Washer (up to 3,500 PSI)	Day
17	Petroleum Absorbent Pad (typical 20 inch x 20 inch)	Each
18	Petroleum Absorbent Boom (8 inch diameter x 10 feet length)	Each

ITEM NO.	DIRECT COST ITEM DESCRIPTION	UNIT OF MEASURE
19	Petroleum Absorbent Wick/Sock (1.5 inch diameter x 36 inch length)	Each
20	Plastic Sheeting (6 mil.) 100 ft. x 20 ft.	Each
21	Gas powered Generator (4.5 kw type)	Day
22	Standard Vac Truck (\leq 3,500 gallons (Operator and Operating Cost – Includes Mobilization/Demobilization)	Hour
23	Vac Trailer ($>$ 3,500 gallons) (Operator and Operating Cost – Includes Mobilization/Demobilization)	Hour
24	Vactor/Guzzler, for solids/sludges (Operator and Operating Cost – Includes Mobilization/Demobilization)	Hour
25	Mobilization/Demobilization, for Equipment line items 26-35 (includes excavation and loading equipment)	Round trip per equipment piece
26	Backhoe/loader combination, OSHA certified operator and operating costs (fuel etc.)	Daily
27	Backhoe/loader combination, OSHA certified operator and operating costs (fuel etc.)	Weekly
28	Track excavator (mini/small), OSHA certified operator and operating costs (fuel etc.)	Daily
29	Track excavator (mini/small), OSHA certified operator and operating costs (fuel etc.)	Weekly
30	Standard Track excavator, OSHA certified operator and operating costs (fuel etc.)	Daily
31	Standard Track excavator, OSHA certified operator and operating costs (fuel etc.)	Weekly
32	Skid Steer Loader, OSHA certified operator and operating costs (fuel etc.)	Daily
33	Skid Steer Loader, OSHA certified operator and operating costs (fuel etc.)	Weekly
34	Standard Loader (1.0 cubic yard minimum bucket), OSHA certified operator and operating costs (fuel etc.)	Daily
35	Standard Loader (1.0 cubic yard minimum bucket), OSHA certified operator and operating costs (fuel etc.)	Weekly
36	Disposal of Steel USTs/ASTs (0 to 2,000 gallons)	Each
37	Disposal of Steel USTs/ASTs (2,001 to 6,000 gallon)	Each
38	Disposal of Steel USTs/ASTs (6,001 to 10,000 gallons)	Each
39	Disposal of Fiberglass USTs/ASTs (0 to 2,000 gallons)	Each
40	Disposal of Fiberglass USTs/ASTs (2,001 to 6,000 gallons)	Each
41	Disposal of Fiberglass USTs/ASTs (6,001 to 10,000 gallons)	Each
42	Transportation of USTs/ASTs (steel or fiberglass) using pick-up truck or trailer hauled by pick-up truck	Per loaded mile

ITEM NO.	DIRECT COST ITEM DESCRIPTION	UNIT OF MEASURE
43	Transportation of USTs/ASTs (steel or fiberglass) using large truck (including tractor type) and large trailer (including low-boy type).	Per loaded mile
44	Disposal of Petroleum Contaminated Soils or Liquids (55-gallon minimum, includes transportation)	55-gallon drum
45	Landfill Disposal of Non-hazardous Contaminated Soils/Solid Waste (minimum total tonnage – 8 tons)	Ton
46	Disposal at a Treatment Facility (such as bioremediation, thermal) of Petroleum Contaminated Soils (minimum total tonnage – 22 tons)	Ton
47	Disposal of Petroleum Contaminated Liquids (Vac-truck/tanker with 400 gallon minimum – allows up to 5% solids, additional solids billed @ \$0.01 per % per gallon; vac-truck/tanker operating costs covered under line items 22 or 23.	Gallon
48	Transportation of Regulated non-hazardous liquid and solid wastes for remediation, recycling or disposal at licensed facilities and transportation of uncontaminated non-regulated solid wastes – Mileage for each motorized vehicle, includes driver and truck rental (transporting cost less than a mile to be included in disposal costs)	Per loaded mile
49	Gravel for backfill (includes delivery); 10-ton minimum/site	Ton
50	TPH-DRO – EPA Method 3550/8015	Each
51	TPH-GRO – EPA Method 5030/8015	Each
52	TPH-ORO – EPA Method 3550/8015	Each
53	BTEX – EPA Method 8021 B	Each
54	MTBE – EPA Method 8021B	Each
55	Oil and Grease – EPA Method 9071	Each
56	Ignitability – EPA Method 1010	Each
57	Corrosivity – EPA Method 9040	Each
58	Reactivity: Cyanide – EPA Method SW– 846, Section 7.3.3.2	Each
59	Reactivity: Sulfide – EPA Method SW-846, Section 7.3.4.2	Each
60	Total Organic Halogens (TOX) – EPA Method 9020	Each
61	Extractable Organic Halides (EOX) – EPA Method 9023	Each
62	Volatile Organic Compounds (VOCs) – EPA Method 8260	Each
63	Semi-volatile organic compounds (SVOCs) – EPA Method 8270	Each
64	Select Ion Method (SIM) for 1, 4-Dioxane – EPA Method 8260	Each
65	EPA Method 1311 TCLP (extraction only)	Each
66	TCLP VOCs – EPA Methods 1311 & 8260	Each
67	TCLP SVOCs – EPA Methods 1311 & 8270	Each
68	TCLP Metals – EPA Methods 1311 & RCRA 8 Metals Analyses	Each
69	Arsenic – EPA Method 6010	Each

ITEM NO.	DIRECT COST ITEM DESCRIPTION	UNIT OF MEASURE
70	Barium – EPA Method 6010	Each
71	Cadmium – EPA Method 6010	Each
72	Chromium – EPA Method 6010	Each
73	Lead – EPA Method 6010	Each
74	Mercury – EPA Method 7470/7471	Each
75	Selenium – EPA Method 6010	Each
76	Silver – EPA Method 6010	Each
77	Other non-listed metal constituents Graphite Furnace/AA – EPA Method 7010	Each
78	Other non-listed metal constituents (ICP) – EPA Method 6010	Each
79	PCB Aroclors – EPA Method 8082	Each
80	Pesticides – EPA Method 8081	Each
81	Chlorinated herbicides/GC – EPA Method 8151	Each
82	Organophosphorus Compounds/ GC/Capillary Column – EPA Method 8141	Each
83	Paint Filter Test – EPA Method 9095	Each
84	Percent Moisture, SM2540G	Each
85	Total Suspended Solids (TSS) – SM2540 D	Each
86	Total KJELDAHL Nitrogen (TKN) – EPA Method 350 Services or SM2540 D	Each
87	Total Organic Carbon – EPA Method 9060 or SM5310	Each
88	pH in Soil – EPA Method 9045	Each
89	Phase Contrast Microscopy (PCM) – NIOSH Method 7400 in Laboratory	Each
90	Phase Contrast Microscopy (PCM) – NIOSH Method 7400 (On-site field measurement)	Each
91	Polarized Light Microscopy (PLM) – EPA Method 600	Each
92	Transmission Electron Microscopy – Chatfield Method	Each
93	Total Chloride – EPA Methods 9056 or 300.0	Each
94	Total & Fecal Coliform (Present/Absent) – 40CFR Part 141 Compliant Method	Each
95	E. Coli in Drinking Water – 40CFR Part 141 Compliant Method	Each
96	Total Dissolved Solids (TDS) – Method SM222540C-2011	Each
97	Sulfates - EPA Method 9056 or 300.0	Each
98	Color – Method SM222120B-2011	Each
99	Nitrite – EPA Method 9056, 300.0 or SM 4500-NO2 B	Each
100	Nitrate – EPA Method 9056 or 300.0	Each
101	Odor – Method SM2150B	Each

ITEM NO.	DIRECT COST ITEM DESCRIPTION	UNIT OF MEASURE
102	PID Meter	Day
103	FID Meter	Day
104	Oil/Water Interface Probe	Day
105	Water Level Indicator	Day
106	Four Gas Meter	Day
107	pH Meter	Day
108	Groundwater Meter such as YSI Meter with ORP	Day
109	Peristaltic Pump	Day
110	IAQ Samples – Non-Viable Spore Trap with genus enumeration	Each
111	IAQ Samples – Non-Viable Surface Wipe with genus enumeration	Each
112	Forward Looking Infrared Meter	Day
113	Pin-Probe Moisture Meter	Day
114	Indoor Air Quality Meter for CO, CO2, RH, Temp	Day
115	HVAC/Ventilation Airflow Meter	Day
116	Industrial Hygiene Noise Dosimetry Meter	Day