

FAIRFAX COUNTY
DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES
Stream Stabilization/Restoration, Environmental, Permitting, and Ancillary Services
Basic Ordering Agreement

Request for Architect/Engineer Qualifications

The County of Fairfax, Virginia, Department of Public Works and Environmental Services (DPWES) is soliciting statement of qualifications (SOQ) from consulting firms to provide engineering, environmental, and permitting services on a basic ordering agreement basis. These services will be required on a task order basis and the initial agreement will be established to run for one (12) twelve-month term with the option for (2) two additional (12) twelve-month terms (up to 36 months). DPWES anticipates the award of (2) two Basic Ordering Agreements to be assigned by program area, geographical area, or similar criteria.

The scope of work is to include engineering, environmental designs, stream restoration, and ancillary services associated with wetlands, resource protection areas, and local, state, and federal permitting services. In addition to engineering skills, top rated firms will have a thorough working knowledge of concepts, principles and practices of geology, fluvial geomorphology, soil geomorphology, stream dynamics, channel hydraulics, hydrology and sedimentation as it relates to watershed processes, stream stability, water and wind erosion, sediment source storage and transport processes, and the affects of habitat restoration practices on aquatic and riparian ecosystems. Top rated firms will also have demonstrated experience in stream assessment methods, hydrologic and hydraulic models, and sediment transport models such as, but not limited to: Rapid Bio-assessment Protocol (HABSCORE), Stream Visual Assessment Protocol (SVAP), Rapid Stream Assessment Technique (RSAT), Rosgen Stream Classification System and Stream Stability Assessment Method; Harvey, Schumm, and Watson's Channel Evolution Model; Wolman Pebble Count, HEC 20, HEC HMS, and HECSIAM. Specific stream tasks are to include:

- Watershed Assessment
- Bankfull Determination
- Geomorphic Mapping
- Detailed Stream Characterization
- Riparian Buffer Assessment
- Reference Reach Surveys
- Assessment of Stream Stability Condition
- Problem Identification
- Prioritization of Restoration Needs
- Identification of Restoration Objectives
- Concept Preparation
- Renderings
- Preliminary Design Preparation
- Hydrology and Hydraulic modeling
- Sediment Transport
- Final Design Preparation
- Permitting
- Utility Coordination
- Community Coordination
- Pre-Construction Services
- Construction Inspection
- Post Construction Monitoring

Firms will also need to have a working knowledge of federal, state, and local permits required for various public works type projects to include stream delineation, Waters of the United States (WOUS), riparian corridor systems, floodplains (local and FEMA), Resource Protection Areas (RPA), Environmental Quality Corridors (EQC), Threatened and Endangered Species (TE), identify historical and cultural resources, develop Invasive Management Plans, wetland determinations, wetland delineation, 404 and 401 permitting, Joint Permit Applications (JPA),

Virginia Department of Transportation Land Use Permits, Water Quality Impact Assessments (WQIA), Virginia Stormwater Management Permit (VSMP), Virginia Water Protection (VWP), Stormwater Pollution Prevention Plan (SWPPP), Pre-Construction Notification (PCN), building permits, adequate outfall analysis, soils, etc., survey. Knowledge and experience with in-lieu fee and banking instruments. Other tasks may include program development activities to support the program.

Major disciplines required for this project includes civil engineering, hydrology, hydraulic engineering, fluvial geomorphology, geology, landscape architecture, ecology, biology, and survey. Teams should have the ability to use GIS information, AutoCAD, RiverMORPH, etc. Firms will also have a working knowledge of federal, state, and local permits required for streambank stabilization and restoration. Firms interested in this work should be able to provide specific examples of natural stream design and analysis comparable to the piedmont and coastal plain areas of Northern Virginia.

Interested firms are required to submit eight (8) copies of a Statement of Qualifications, limited to 35 pages (double-sided copies), including a current GSA Form 330 Part 1 and 2, and a list of references with current address and telephone numbers for recently completed projects of a similar nature. All copies are to be delivered to Chad Crawford, Branch Chief, Stormwater Planning Division, 12000 Government Center Parkway, Suite 449, Fairfax, VA 22035.

All submissions must be complete and clearly demonstrate capability to provide the required services. Evaluation factors to be utilized by a Selection Committee in determining the firms to perform the required services include the ability and experience of firm/team to deliver work as described; Project Teams' personnel qualifications and experience; Past performance history Office location; recent, current and projected workload; Public presentations and resident interaction; Volume of work previously awarded by the County and the ability to meet time and budget requirements.

Fairfax County is committed to paying a living wage to all qualified county employees and encourages contractors and subcontractors involved in all county programs, services, and activities to pay a living wage to their employees.

Questions related to this solicitation should be directed to Chad Crawford chad.crawford@fairfaxcounty.gov, or Shahid Syed shahid.syed@fairfaxcounty.gov of the Stormwater Planning Division at 703-324-5500, TTY 771. All submissions are to be made no later than 4:00 p.m. local time, on December 20, 2007.