

## General Environmental Services CEAO

### Scope of Services

The scope of work for General Environmental Services required under the subject contract shall involve the following:

The Consultant shall be prequalified by ODOT in all Environmental categories.

As applicable to work produced under this contract, the Consultant shall adhere to the most current versions of the following ODOT Reference Materials and other relevant ODOT OES guidance documents:

- *Project-Level Air Quality Manual*
- *NEPA Assignment Categorical Exclusion Guidance*
- *Cultural Resources Manual*
- *Ecological Resources Manual*
- *OES Guidance for Writing Environmental Commitments*
- *Farmlands Guidance*
- *Feasibility Study and Alternative Evaluation Reports (FS/AER) Guidance*
- *NEPA File Management and Documentation Guidance*
- *Floodplains Guidance*
- *ODOT Asbestos Guidance*
- *ODOT Noise Analysis Manual*
- *ODOT's Project Development Process (PDP) Manual*
- *Public Involvement Manual for NEPA and the PDP and Public Involvement Toolbox*
- *Developing Purpose and Need Guidance*
- *Regulated Materials Review (RMR) Manual and Guidance*
- *Section 4(f) Manual*
- *Section 6(f) Guidance*
- *Recreational Boating Guidance*
- *Environmental Justice Guidance*
- *Waterway Permits Manual*

*All applicable FHWA, USACE, and EPA Guidance, policies and procedures and, all other applicable guidelines and Federal and State Regulations and Laws.*

The Consultant shall be required to perform the following services on a task order type basis.

- a. Preparation of Categorical Exclusion (CE) Documents, C1, C2, D1, D2, D3
- b. Preparation of Section 4(f) Determination Request Form and associated tasks; and/or Section 4(f) Evaluation (Recreational or Historic)
- c. Prepare Environmental Justice Impact Analysis Report or Short Report
- d. Conduct Air Quality Analysis
- e. Conduct Noise Analysis & Abatement Design
- f. Develop Public Engagement Plan and Public Involvement Activities.
- g. Conduct GIS activities, including application, design, implementation and analysis of geographic information

- h. Prepare Graphics (color; two-and/or three-dimensional, including animation) for use in documents and/or as presentation materials
- i. Review environmental documents prepared by others
- j. Conduct overall environmental Project Management
- k. Preparation of Public Engagement Plans or other public involvement activities
- l. Environmental Justice Impact Analysis
- m. Feasibility Study
- n. Alternative Evaluation Report

OR,

- a. Ecological Literature Search, including mapping
- b. Ecological Survey Report (LV1, LV2, LV3)
- c. Endangered Species Survey with Report
- d. Preparation of U.S. Army Corps of Engineers' Section 404 Permit Application, US Army Corps of Engineers Section 10 Applications, Ohio EPA's Section 401 Water Quality Certification Application, Ohio EPA's Isolated Wetland Permit Application, and U.S. Coast Guard's Section 9 Bridge Permit Applications
- e. Performance of Ohio EPA's Rapid Assessment Method (ORAM) on Wetlands
- f. Performance of Ohio EPA's Qualitative Habitat Evaluation Index (QHEI) &
  - a. Headwater Habitat Evaluation Index (HHEI and HMFEEI Headwater Macroinvertebrate Field Evaluation Index) on Streams
- g. Collection of Data and Performance of Ohio EPA's Index of Biotic Integrity
  - a. (IBI), Invertebrate Community Index (ICI) on Streams, Amphibian Index of Biotic Integrity (AmphIBI), Vegetative Index of Biotic Integrity (VIBI) on wetlands
- h. Performance of Stream Monitoring (in accordance with OEPA's requirements)
- i. Stream & Wetland Mitigation Opportunities Report (SWMOIR)
- j. Stream & Wetland Mitigation Work:
  - 1. Conceptual Mitigation Design
  - 2. Construction Plans for Mitigation
  - 3. Construction Monitoring for Mitigation
  - 4. Monitoring of the Constructed Mitigation Site
  - 5. Invasive species control
- k. Mussel Surveys in accordance with the Ohio Mussel Survey Protocols
- l. Other Ecological Studies as Assigned

OR,

- a. Regulated Materials Review Screening
- b. Regulated Materials Review Assessment
- c. Regulated Materials Review Investigation
- d. Geophysical Survey.
- e.
- f. Environmental Inspection During Construction
- g. Bureau of Underground Storage Tank Regulations (BUSTR) Closure, Investigation & Assessment as per OAC 1301-7-9-12 through 17.
- h.
- i. OEPA Permitted Activities on Landfills per OAC 3745-513
- j. Other Regulated Materials Review studies as assigned
- k.
- l.

**OR,**

- a. Cultural Resources Scoping Request Form.
- b. Photologs
- c. Phase I Archaeology and/or History/Architecture activities.
- d. Phase II Archaeology and/or History/Architecture activities.
- e. Mitigation activities for archaeology and/or history/architecture resources including, but not limited to: HABS/HAER documentation, commemorative plaque design, historic context preparation, Data Recovery Plans, data recovery field work, and report preparation.
- f. Section 4(f) Individual or Programmatic Evaluations for historic properties
- g. Preparation of Documentation for Consultation (Determination of Effects report).
- h. Any future report formats developed by ODOT for use on cultural resources investigations on ODOT projects.
- i. Other cultural resources studies as assigned.

**OR,**

- a. Environmental Commitment Monitoring
- b. Development of Environmental Commitment Monitoring Plan
- c. On-site inspections
- d. Preparation of Observation Reports
- e. Camera Monitoring of construction site

All work performed by the Consultant under this contract shall be performed on an “as needed” basis. All work shall be performed on an actual cost basis. The consultant shall maintain a project cost accounting system that will segregate costs for individual task orders.