

## Engineering Technician

SHELADIA is in the process of developing a Domestic Department of Defense (DOD) program and seeking potential candidates to establish a DOD Program Team. This team will support design, design-bid-build, design-build and various infrastructure and concept planning supporting new construction, site adapt-construction, renovations and repairs, operations & maintenance (asset management), reconfiguration of existing facilities, general building renovations, facility renovation, facility repairs/alterations, command and control facilities, training facilities, medical facilities fuel distribution and storage systems, power plants, road construction, and airfields.

Serves as **DOD Team Engineering Technician** for a wide range of conventional and unconventional Military and civilian Construction projects.

Specifically, Serves as the DOD Technical Support Specialist:

- Identifies requirements and implements advanced analytical techniques to solve complex GIS issues.
- Updates and maintains maps, gathers data from surveys – visual, physical, and real property data.
- Uses knowledge of surveying, geodesy, photogrammetry, mapping, engineering, Geospatial Information Systems, and computers to plan, coordinate, and accomplish all GIS tasks necessary to support a variety of projects in the areas of planning, design and construction.
- References various industry standards and codes to determine the exact requirements for facilities related construction work.
- Investigates engineering problems on construction contracts to resolve contract interpretation discrepancies.
- Develops drawings and sketches for project implementation (e.g., facility layouts, facility equipment design, modification drawings, equipment design modification).
- Utilizes computer-aided design and drafting (CADD) system to create, modify, delete, transfer, copy, and store graphic files in the preparation of project drawings and other related data.
- Determines the most effective CADD presentation of design data to clarify and portray as intended.
- Preparing estimates and reports on expected time for completion of work.
- Assists in the review of DOD team work.
- Develops cost estimates of components for proposed projects; calculate life-cycle costs on individual equipment.

- Develop statements of work covering technical engineering designs or engineering changes for contracts and solicitations.

Minimum requirements:

- 5 yrs. Experience/ 3 YRS supporting DOD projects.
- Bachelor's Degree with a major in engineering, engineering science, physics, or mathematics.
- 1 year of specialized experience which includes utilize design software and computerized drafting and design hardware to assist in designing maps, models, and drawings.
- Familiarity/Ability to use SPECSINTACT, Unified Facilities Criteria, AutoCAD, GIS, MS Project, Primavera, MicroStation.
- Cost Estimation and Analysis.
- Security Clearance or Ability to Obtain a Secret Clearance.

Preferred Requirements:

- Secret Security Clearance
- Proficient experience in working in AutoCAD program to create project documents.
- Knowledge of civil engineering concepts, principles and practices a familiarity with other engineering disciplines and architecture.
- Knowledge of engineering and construction standards, methods, practices and techniques materials and equipment to determine compliance with federal, state and local codes and regulations.
- Knowledge of health, safety, and environmental requirements as outlined in applicable standards, regulations, and/or technical orders.
- Knowledge of Federal contracting and procurement processes including contracting ethics.

**\*DUE TO THE NATURE OF WORK CANDIDATES MUST BE US CITIZEN OR PERMENANT RESIDENT\***