

## **CONSTRUCTION ENGINEERING TECHNICIAN**

FFA is currently seeking an experienced **Construction Engineering Technician, QA/QC specialist, or Superintendent** in support of ROICC located at the Marine Corps Logistics Base (MCLB) Albany, GA 31704

**Length of position:** 2 yrs

**Approx start of position:** Immediately

**Hours:** 40 hours per week with the possibility of OT as needed (could include some weekend work)

**Benefits:** Medical/Dental/Vision, Paid vacation and paid holidays, 401k

Your resume **MUST DEMONSTRATE** the following. If it does not demonstrate the following requirements you will not be considered. Please tailor your resume to show us you have the experience and skills required for this position.

1. Progressively increasing duty and/or responsibility as an engineering technician, superintendent, or quality control/quality assurance manager or representative demonstrating at least 7 years of technical and practical knowledge/experience.
2. **Record of completion of the 40 hour EM-385-1-1 Construction Safety Course (NAVFAC or USACE).** – Provide documentation
3. Current certification of successful completion of the US Army Corps of Engineers (USACE)/Naval Facilities Engineering Command (NAVFAC) **Construction Quality Management for Contractors course** or otherwise demonstrated experience using the Three-phases of Quality Management.
4. Demonstrated knowledge of safety and occupational health principles, practices, procedures, laws and regulations as they relate to engineering performance requirements and as outlined in the EM-385-1-1 and 29 CFR.
5. Demonstrated supervision and sound understanding of construction concepts, principles and practices applicable to civil, mechanical, electrical, and/or environmental projects and the design, layout, and completion of construction projects.
6. Demonstrated ability to review and interpret technical engineering specifications and statements of work covering complex and diverse engineering designs or changes to the contract documents.
7. Thorough knowledge of construction practices and methods and construction management skills as demonstrated through specific relevant construction and/or construction management techniques and experience.
8. Ability to write and speak English fluently in order to provide reports and make presentations to Government personnel.
9. Demonstrated ability to monitor and lead construction projects to a successful and timely completion.
10. Demonstrated knowledge of Primavera scheduling software and/or other construction scheduling software packages.
11. Ability to perform strenuous activity while working outdoors in extreme heat or cold, working in confined spaces, climbing and using fall protection equipment.
12. You must be familiar with USACOE EM-385-1 crane safety requirements and NAVFAC P-307 (Management of Weight Handling equipment). Observe crane lifts.
13. Ability to certify as required, boilers and other pressure vessels, vertical transport systems, and crane systems.
14. Ability to coordinate support to review and witness successful testing and commissioning/certification of critical systems (ie. mechanical-HVAC/TABS/DALTS/DDC, electrical-Pad Mounted Transformers/High-Voltage Systems/Switchgear /Automatic Transfer Switches/Frequency Converters, fire and life safety/fire protection systems, roofing systems, and underwater structures). Assure quality workmanship in accordance with specifications and industry standards on concrete/masonry/stucco/structural steel/bolting/welding and other building materials/structural systems as required.
15. Must successfully pass required security background investigation.

## **CONSTRUCTION ENGINEERING TECHNICIAN**

The Engineering Technician role is to assist NAVFAC SE with the enforcement of construction contract provisions and MCLB Policies specifically quality control, base operational policies and safety requirements. Personnel providing QA support recommend approval of work in accordance with assigned contracts and have the authority to stop any portion of the construction contractor's work that poses an imminent danger to personnel, equipment, or property.

### **PRE-AWARD TECHNICAL SUPPORT**

The Construction Engineering Technician will:

- For both design-bid-build and design-build projects, reviewing pre-final contract drawings and specifications (including technical RFPs) and performing on-site visits to review constructability and compatibility with actual field conditions.
- Guide contractors on pre-award site visits

### **CONTRACT TECHNICAL SUPPORT POST-AWARD**

The Construction Engineering Technician will:

- Maintain extensive, daily contact with key contractor representatives to promote an atmosphere of partnering and cooperation and to quickly resolve problems and maintain construction schedule
- Coordinate temporary utility and communication hook-ups for contractor
- Coordinate lay-down area and storage areas as required
- Coordinate utility outages and road closures

- Coordinate excavation, hot work, burn and other construction-related permits as required
- Monitor contractor's adherence to NPDES best management practices including verification of any permit required activities including inspections, repairs and testing
- Act as main point of contact for daily Supported Command interface/coordination in the field
- Support collateral equipment installation and phone/data/communication connections
- Assist with coordination of warranty work if requested by facility owner/occupant
- Coordinate the installation of key cores with key facility and turnover keys to owner/occupant
- During design development and constructability review, provide technical knowledge of local conditions including availability of construction materials and skilled labor. For problems found, make solution recommendations for designer consideration.
- Assist with coordination of groundbreaking ceremony
- Monitor the construction contractor's performance of required material testing and analysis in accordance with the contract requirements, review for compliance and make recommendations for corrections.
- Conduct labor standard interviews with construction contractor personnel as required by labor standards and provide inputs to Construction Manager (CM).
- Actively participate in partnering sessions depending on the nature and scope of the construction contract. Facilitate effective relationships and processes between contractors, Supported Command, and government team members
- Attend and assist with issues discussed during the post-award kickoff meeting (as applicable) and pre-construction conference, as well as all other mandatory meetings
- Support the review/approval of all government approved technical and administrative submittals including but not limited to the schedule of prices, contractor's baseline critical path schedule, accident prevention plan, activity hazard analyses, safety and health plan, quality control plan, test plans/reports, performance verification tests of major systems, etc.
- Investigate engineering problems that may arise on construction contracts, such as unforeseen conditions, contractor requests for information (RFIs), and dimension conflicts. Make recommendations for solutions to the CM
- Assist in coordinating the delivery, storage, and use of government furnished equipment
- Support preliminary scheduling meeting and review 3-week look ahead schedules. Review updates of the baseline schedule with the CM to determine if contractor is ahead, on or behind schedule. Review the critical activities to ensure the work on the construction contract remains focused on completion in the most reasonable time. Participate in the bi-weekly look-ahead meetings with the contractor to review project scheduling problems or concerns
- Review contractor invoices for accuracy against actual work-in-place. Recommend approval/disapproval/partial payment to CM
- Review, endorse and annotate as required contractor daily reports
- Assure environmental compliance by contractor and coordinate EPA jobsite visits when required
- Review and verifying the accuracy of as-built drawings on at least a monthly basis
- When applicable, coordinating with CM and issue non-compliance notice to contractor
- Support ribbon cutting events
- Support CM and CS team in the modification process including assistance with government estimates/proposal reviews and negotiations. Provide "field" level evaluation of contractor's proposal for constructability, hidden costs, alternative methods, etc.
- Ensure safety information, labor law information and all other required administrative information is properly posted at the jobsite
- Support issuance/lifting of work suspensions
- In conjunction with the CM, review Activity Hazard Analyses (AHAs) and ensure these are discussed by the prime contractor and their respective subcontractors prior to beginning each work activity or when a new work crew is to perform the work in accordance with the three phases of Quality Control (QC).
- In conjunction with the CM, review and provide recommendations towards acceptance of Accident Prevention Plan and actively enforce compliance by the contractor
- In conjunction with the CM, review and provide recommendations towards acceptance of Crane Lift Plans (including Critical Lifts) along with crane operation qualifications and certificate of compliance. Incumbent must be familiar with USACOE EM-385-1 crane safety requirements and NAVFAC P-307 (Management of Weight Handling equipment). Observe crane lifts.
- Coordinate road and utility outages with security, facility managers and police department.
- Ensure contractor conducts weekly tool box safety meetings and attend on a periodic basis to ensure effectiveness
- Ensure contractor is conducting monthly site safety self-evaluations and submitting the information with the pay vouchers/invoices; Perform worksite safety assessments
- Take appropriate, timely action to ensure contractor compliance of safety and health requirements, including leading safety stand-downs as required and recommending dismissal of key contractor staff due to non-performance or recurring violations.
- Support reporting of contractor significant incidences/near misses, mishap investigations and the preparation of the report
- In conjunction with the CM, review and provide recommendations towards approval of contractor quality control plan
- Attend coordination and mutual understanding meeting, selected quality control, preparatory and initial meetings, and monitor three-phase checklists for accuracy and thoroughness
- Review and administer the government QA plan on assigned projects and prepare government QA reports. Ensure critical definable features of work are included
- Take/file/distribute progress photos in accordance with authority within issued photo permit from base security

- When allowed in the contract, verify quantity, condition, security, and insurance for payment of approved materials and equipment not stored on jobsite/Government property
- Validate quantity, condition, and approval of materials on site prior to invoice payments
- Coordinate support to review and witness successful testing and commissioning/certification of critical systems (ie. mechanical-HVAC/TABS/DALTS/DDC, electrical-Pad Mounted Transformers/High-Voltage Systems/Switchgear /Automatic Transfer Switches/Frequency Converters, fire and life safety/fire protection systems, roofing systems, and underwater structures). Assure quality workmanship in accordance with specifications and industry standards on concrete/masonry/stucco/structural steel/bolting/welding and other building materials/structural systems as required
- Ensure contractor certifies as required boilers and other pressure vessels, vertical transport systems, and crane systems
- Attend/witness selected tests and review all applicable test reports and results

#### **PROJECT TURNOVER/CONTRACT CLOSEOUT**

The Construction Engineering Technician will:

- Assist with investigation of potential latent defects
- Coordinate facility system training for user/occupants/operation and maintenance shops personnel
- Support preparation of contractor performance evaluation in CCASS
- Support the close-out process including delivery of as-built drawings, warranties, O&M manuals, and spare parts turnover
- Support the commissioning and NAVFAC Red Zone processes.
- Arrange and coordinate pre-final and final acceptance inspections
- Track completion of punch list items

#### **GENERAL ADMINISTRATION**

The Construction Engineering Technician will:

- Support the processing of claims/disputes/protests/termination actions as required
- Participate, as requested, in FEC-sponsored Construction Assist Visits (CAV's)
- Assist in the facilitation and coordination of access passes/badges for contractor personnel, vehicles, and equipment including secured areas
- Ensure official contractor correspondence and submittals are included in the contract file
- When requested, provide and update necessary data for corporate reporting systems such as ieFACMAN (interoperable enterprise Facilities Management system). Use information technology tools effectively in performance of duties as set forth in applicable BMS sections
- Provide overall coordination of the construction quality management program for assigned projects. Maintain working knowledge of the requirements set forth in NAVFAC Business Management System (BMS) as it pertains to Construction Quality Management.