



## Agency Job Opportunity Announcement

**Job Title:**Civil Engineer (Geotechnical)

**Department:**Department of the Army

**Agency:**U.S. Army Corps of Engineers

**Job Announcement Number:**SWGJ143329571233586D

**SALARY RANGE:** \$59,104.00 to \$76,836.00 / Per Year

**OPEN PERIOD:** Friday, October 10, 2014 to Thursday, October 23, 2014

**SERIES & GRADE:** GS-0810-11

**POSITION INFORMATION:** Full Time - Permanent

**DUTY LOCATIONS:** 1 vacancy in the following location:  
Pittsburgh, PA

**WHO MAY APPLY:** United States Citizens

**SECURITY CLEARANCE:** Not Applicable

**SUPERVISORY STATUS:** No

### **JOB SUMMARY:**

Civilian employees serve a vital role in supporting the Army mission. They provide the skills that are not readily available in the military, but crucial to support military operations. The Army integrates the talents and skills of its military and civilian members to form a Total Army.

### **About the Position:**

Serves as a Civil Engineer (Geotechnical) for the Dam Safety Branch in the Geotechnical Engineering Section. Serves as a team member responsible for geotechnical engineering and data management maintenance of existing instrumentation systems and databases that support civil works projects for the Pittsburgh District.

### **Who May Apply: U.S. Citizens**

If you are currently a permanent, Federal employee or have other appointment eligibility(s) as an internal candidate, please apply for this vacancy against SWGJ143329571233566 for status candidates.

## **TRAVEL REQUIRED**

- Occasional Travel
- Temporary Duty Travel (TDY) is up to 30%

## **RELOCATION AUTHORIZED**

- No

## **KEY REQUIREMENTS**

- Must be a U.S. Citizen
- 

## **DUTIES:**

Serves as a team member responsible for performing civil geotechnical engineering work primarily for civil works projects assigned to the section. Work involves the exploration, sampling, and testing of soils and other earth materials to be used in embankment features such as small rock and earth-filled dams, levees, diversion structures, retaining walls, navigation structures such as locks and dams, and other conventional civil works structures. Responsible for geotechnical evaluations, design analysis, quantity and cost estimates, and technical specifications for projects assigned. Acts as the Branch's technical manager for geotechnical instrumentation data from all dams, locks, etc. Specific duties include:

- Coordinate data management by entering, processing and analyzing instrumentation and geotechnical and materials data through established software.
  - Assist in the maintenance and upgrading of existing instrumentation systems and databases.
  - Prepare conceptual and detailed plans and specification for instrumentation systems and databases of new and existing earth and concrete structures.
  - Assemble instrumentation packages to obtain data.
  - Analyze and interpret collected data for indication of expected and anomalous behavior and conditions.
- 

## **QUALIFICATIONS REQUIRED:**

In order to qualify, you must meet the education and/or experience requirements described below. Your resume must clearly describe your relevant experience; if qualifying based on

education, your transcripts will be required as part of your application. Additional information about transcripts is [in this document](#).

### **Experience required:**

Experience refers to paid and unpaid experience, including volunteer work done through National Service programs (e.g., Peace Corps, AmeriCorps) and other organizations (e.g., professional; philanthropic; religious; spiritual; community; student; social). You will receive credit for all qualifying experience, including volunteer experience.

To qualify based on your experience, your resume must describe at least one year of experience which prepared you to do the work in this job. Specialized experience is defined as: Specialized experience includes geotechnical engineering work such as:

- 1) Conducting subsurface exploration, sampling, and testing of soils for proposed levees, diversion structures, retaining walls, navigation structures such as locks and dams, and other conventional civil works structures.
- 2) Analyzing and interpreting raw field and laboratory data to evaluate existing conditions and/or to develop design parameters for foundations, retaining walls, pavements, and earthen structures.
- 3) Working knowledge of database architecture, development and management for storage of geotechnical data.
- 4) Developing preliminary designs for use in site location studies including the foundation type, building/structure location, and site layout and
- 5) Assisting in determining scope, schedule and budget for subsurface investigations needed to supply data for design phase geotechnical and geophysical studies or similar working experience.

This definition of specialized experience is typical of work performed at the next lower grade/level position in the federal service (GS-09).

You will be evaluated on the basis of your level of competency (knowledge, skills, abilities) in the following areas:

- Geotechnical Engineering
- Laboratory Testing - Geotechnical
- Seepage Analysis
- Foundation Design - Geotechnical
- Material Properties
- Slope Stability Analysis
- Embankment Design and Construction - Civil Works
- Mapping and Surveying

**Education required:** This position has a minimum education requirement. In order to qualify for this position, you must meet one of the education requirements below in addition to the specialized experience statements described above.

- A bachelor's degree or above in professional engineering from a college or university accredited by the Accreditation Board for Engineering and Technology (ABET). NOTE: THIS DOES NOT INCLUDE ENGINEERING TECHNOLOGY;
- A bachelor's degree or above in professional engineering. The curriculum included differential and integral calculus and courses (more advanced than first- year physics and chemistry) in five of the following seven areas of engineering science or physics: (a) statistics, dynamics; (b)

strength of materials (stress/strain relationships); (c) fluid mechanics, hydraulics; (d) thermodynamics; (e) electrical fields and circuits +ADs (f) nature and properties of materials (relating particle and aggregate structure to properties); and (g) any other comparable area of fundamental engineering science of physics, such as optics, heat transfer, soil mechanics, or electronics;

- Current registration as a professional engineer by a state in the United States, the District of Columbia, Guam, or Puerto Rico, in addition to college-level education, training, and/or technical expertise that furnished (1) a thorough knowledge of the physical and mathematical sciences underlying professional engineering, and (2) a good understanding, both theoretical and practical, of the engineering sciences and techniques and their applications to one of the branches of engineering;
- Successful completion of the Engineer in Training examination, or the written test required for professional registration, administered by the Boards of Engineering Examiners in the various States, the District of Columbia, Guam, and Puerto Rico in addition to completion of all the requirements for either (a) a bachelor's degree in engineering technology (BET) from an accredited college or university that included 60 semester hours of courses in the physical, mathematical, and engineering sciences, or (b) a BET from a program accredited by the ABET+ADs;
- A combination of at least 4 years of college-level education, training, and/or technical expertise that included successful completion of at least 60 semester hours of courses in the physical,

Only degrees from an accredited college or university recognized by the Department of Education are acceptable to meet positive education requirements or to substitute education for experience. For additional information, please go to the Office of Personnel Management (OPM) and U.S. Department of Education websites at - <http://www.opm.gov/qualifications> and <http://www.ed.gov/admins/finaid/accred/index.html>

Foreign education must be evaluated for U.S. equivalency in order to be considered for this position. Please include this information in your resume.

A copy of your unofficial transcripts from an accredited college or university must be submitted at the time of application. If selected, official transcripts will be required.

**Other Requirements:** Click [here](#) for expanded definitions.

- Male applicants born after December 31, 1959 must complete a Pre-Employment Certification Statement for Selective Service Registration.
- You will be required to provide proof of U.S. Citizenship.
- One year trial/probationary period may be required.
- Direct Deposit of Pay is Required.

- Work requires some physical exertion such as long periods of standing, considerable walking, stooping, climbing embankments, bending and crouching during site visits.
- Recruitment/Retention/Relocation Incentive may be authorized

## **HOW YOU WILL BE EVALUATED:**

[Your application package](#) (resume, supporting documents, and responses to the questionnaire) will be used to determine your eligibility, qualifications, and quality ranking for this position. Please follow all instructions carefully. Errors or omissions may affect your rating or consideration for employment.

**Basis for Rating:** Qualified candidates will be assigned to one of three quality categories: Best Qualified, Highly Qualified and Qualified. Veteran preference eligibles are listed ahead of non-preference eligibles within each quality category.

- Best Qualified. Candidates in this category possess exceptional skills and experience to exceed well above the minimum requirements for the announced position.
- Highly Qualified. Candidates in this category possess good skills and experience above the minimum requirements for the announced position.
- Qualified. Candidates in this category meet the minimum experience requirements for the announced position.

**Interagency Career Transition Assistance Program (ICTAP).** If you are a Federal employee in the competitive service and your agency has notified you in writing that you are a displaced employee eligible for ICTAP consideration, you may receive selection priority. See [Interagency Career Transition Assistance Program \(ICTAP\)](#) for more information. Additional information about the program is on [OPM's Career Transition Resources website](#).

---

## **BENEFITS:**

**The Department of Defense offers an excellent benefits program.** In addition to your take-home pay, your comprehensive compensation/benefits package will include most of the benefits described in [the USAJOBS Resource Center](#).

## **OTHER INFORMATION:**

- Selection is subject to restrictions resulting from Department of Defense referral system for displaced employees.

- If you have retired from federal service and you are interested in employment as a reemployed annuitant, see the information in the [Reemployed Annuitant](#) information sheet.
  - You may claim military spouse preference, see the information in the [Military Spouse Preference Under Delegated Examining Procedures](#) information sheet.
  - Multiple positions may be filled from this announcement.
- 

## HOW TO APPLY:

To apply for this position, you must complete the online questionnaire and submit the documentation specified in the **Required Documents** section below.

The complete application package must be submitted by 11:59 PM (EST) on Thursday, October 23, 2014 to receive consideration.

- To begin, click Apply Online to create a USAJOBS account or log in to your existing account. Follow the prompts to select your USAJOBS resume and/or other supporting documents and complete the occupational questionnaire.
- Click the Submit My Answers button to submit your application package.
- It is your responsibility to ensure your responses and appropriate documentation is submitted prior to the closing date.
- To verify your application is complete, log into [your USAJOBS account](#), select the Application Status link and then select the more information link for this position. The Details page will display the status of your application, the documentation received and processed, and any correspondence the agency has sent related to this application. Your uploaded documents may take several hours to clear the virus scan process.
- To return to an incomplete application, log into [your USAJOBS account](#) and click Update Application in the vacancy announcement. **You must re-select your resume and/or other documents from your USAJOBS account or your application will be incomplete.**
- It is your responsibility to verify that information entered, uploaded, or faxed (i.e., resume) is complete, accurate, and submitted by the closing date. Uploaded documents may take up to one hour to clear the virus scan. Faxed documents must be completely transmitted by

11:59p.m. Eastern Standard Time on the closing date of the announcement.

---

The Department of the Army provides reasonable accommodations to applicants with disabilities. If you need a reasonable accommodation for any part of the application and hiring process, please notify the servicing civilian personnel unit. Your requests for reasonable accommodation will be addressed on a case-by-case basis.

---

## **REQUIRED DOCUMENTS:**

The documents you are required to submit vary based on whether or not you are eligible for preference in federal employment. A complete description of preference categories and the associated required documents is in the [Applicant Checklist \(External\)](#).

As described above, your complete application includes your resume, your responses to the online questionnaire, and documents which prove your eligibility to apply. **If you fail to provide these documents, you will be marked as having an incomplete application package and you will not be considered any further.**

### **Your resume:**

- Your resume may be submitted in any format.
- If you submit more than one copy of your resume, only the most recent version will be reviewed. The latest timestamp will be used to determine which version of your resume is "most recent." It is your responsibility to check the status and timestamp of all documents you submit as part of your application.
- If your resume includes a photograph or other inappropriate material or content, it will not be used to make eligibility and qualification determinations and you may not be considered for this vacancy.
- For qualifications determinations your resume must contain hours worked per week and the dates of employment (i.e., HRS per week and month/year to month/year or month/year to present). If your resume does not contain this information, your application will be

marked as incomplete and you will not receive consideration for this position.

**If you are relying on your education to meet qualification**

**requirements:** You MUST submit a copy of your transcript if you want to substitute your education for experience. If you claim qualifications based on education, and do not submit a transcript, your education will not be used in making a qualification determination and you may be found "not qualified." See: [Transcripts and Licenses](#)

If you are unable to apply online or unable to upload your supporting documents follow the directions located at: [Faxing Applications and Documents](#) The Vacancy ID is 1233586. You will need the questionnaire, [View Occupational Questionnaire](#), to complete your faxed application

---

**NOTE:** Documents submitted as part of the application package, to include supplemental documents, may be shared beyond the Human Resources Office. Some supplemental documents such as military orders and marriage certificates may contain personal information for someone other than you. You may sanitize these documents to remove another person's personal information before you submit your application. You may be asked to provide an un-sanitized version of the documents if you are selected to confirm your eligibility.

---

**AGENCY CONTACT INFO:**

*Bobbie J. Vinup  
Phone: (502)315-6586  
Email: BOBBIE.J.VINUP@USACE.ARMY.MIL  
Agency Information:  
DA SWR USACE LRD  
PO Box 59  
Louisville, KY  
40201*

**WHAT TO EXPECT NEXT:**

If you provided an email address, you will receive an email message acknowledging receipt of your application. Your application package will be used to determine your eligibility, qualifications, and quality ranking for this position.

If you are determined to be ineligible or not qualified, your application will receive no further consideration.

The documents you submit must support your responses to the online questionnaire. If your application contradicts or does not support your questionnaire responses, you will receive a rating of "not qualified" or "incomplete application" and you will not receive further consideration for this job.