**Structural Engineer**

**U. S. Army Corps of Engineers, Pittsburgh District, Engineering and Construction Division, Structural Design Section, Design Branch**

**Location**: Pittsburgh, PA.

**Series and Grade**: GS-0810-11/12

**Salary Range**: $66,573 to $103,736 per year

Relocation/Recruitment incentive(s) MAY BE authorized to highly qualified candidate.

Permanent Change of Station (PCS) allowances may be authorized, subject to the provisions of the Joint Travel Regulations and an agency determination that a PCS move is in the Government Interest.

Your duties will include the following:

* Provide structural engineering services for new construction and rehabilitations on large, complex river navigation (locks and dams), flood control reservoir and local flood protection projects.
* Perform analysis and design applying standard engineering methods and techniques in the performance of preliminary and final design.
* Prepare Design Documentation Report (Design Basis); design calculations utilizing structural design and analysis software including STAAD Pro, ANSYS, FB-MultiPier, PCA sP Concrete Suite, Revit, Inventor, RISA, MathCAD, and EXCEL.
* Prepare construction contract documents for various structural features such gates, valves, bulkheads, bridges, buildings, monoliths, retaining walls, superstructures, sub-structures, pile/drilled shafts, locks and dams for challenging and complex Civil Works projects for river navigation systems, flood control reservoir projects and, local flood protection projects.
* Work with CAD/BIM Modelers to develop drawings utilizing CADD and BIM software; determines requirements for technical aspects of project specifications; and prepares amendments and engineering revisions.
* Coordinate structural aspects of projects with multi-disciplined engineering team, Operations personnel and Construction Engineering personnel responsible for related specialized phases of the project.
* Perform in role of Lead Engineer in design by coordinating the efforts of multi-disciplined teams, developing and tracking budgets, scopes of work, ensuring quality processes are followed, and ensuring contract documents are complete.
* Provides support to the Construction Engineering staff by coordinating the review of transmittals and RFI's by the engineering team and assisting with the resolution of construction issues.
* Perform inspections and assessments of the District's infrastructure including hydraulic steel structures, concrete structures, and bridges; and develop memos and reports with recommendations based on field observations.

**Please contact Steve Stoltz, 412-395-7297 or** **stephen.r.stoltz@usace.army.mil**

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