

Civil Design Engineer - Senior

Fluor is one of the world's largest and most successful engineering, procurement, and construction management (EPCM) companies, and manages a workforce of over 42,000 men and women serving clients on six continents. Fluor in Canada provides career opportunities in Canada and globally that are diverse, rewarding, and exciting, where you will broaden your knowledge by working alongside our industry experts and expand your skills using our progressive technology.

Fluor Vancouver is the Canadian Head Office for Mining and Metals. Our projects have historically covered a wide range of commodities and locations; from gold in Kazakhstan to copper in Peru to Nickel, and the Oil Sands in Canada. Whilst we are always on the lookout for outstanding talent, we currently have needs for Senior Civil Design Engineers.

Job Description

As a Senior Civil Design Engineer, your responsibilities will include:

- Design and calculations of earthworks
- Supervise Designers and junior/intermediate Civil Engineers on a feasibility study or EPCM project
- Perform and check calculations and designs using both computer aided and manual techniques
- Create and approve schedules, estimates, progress reports, meetings, procurement etc.
- Write reports for feasibility studies, design trade-off, scope of work, etc.
- Review and update specifications and criteria
- Review flow sheets and update Piping and Instrumentation diagrams
- Work in a lead/supervisory capacity with project and client personnel
- Utilize vendor data and work with personnel from other disciplines as required for the performance of designs
- Perform squad check or vendor data and drawings from other disciplines
- Travel, as required, to ensure the successful execution of project goals
- Attend external technical seminars and self enrol in training courses for in-house management
- Perform self-check of completed work, develop self confidence, and provide guidance to less experienced engineers
- Exhibit thorough understanding of pertinent codes and governing regulations and industry practices, etc.
- Hydrology: calculation of run-off/flow for the design of surface flows of swales, ditches, culverts, settling and storage ponds
- Hydraulics: open channel for swales, ditches, culverts, trenches, pipe flow for raw water, potable water, fire water, sewage solutions and slurries

Basic Requirements

- The successful candidate will ideally have 10 years of heavy industry experience comprised of:
 - 5 years working in mining/mineral processing,
 - 5 years experience in a lead/supervisory position
- Experience working on EPC/EPCM projects and supporting feasibility studies, detail engineering task forces and commissioning/start up teams
- Bachelor Science in Civil Engineering
- Ability to register as a Professional Engineer in Canada is preferred
- Successful candidate will also have experience working in North America

How to Apply

Please visit www.fluor.com/careers and go to job posting # 40767BR