DESCRIPTION:

Performs engineering duties in planning, designing, and overseeing construction and maintenance of building structures, and facilities, such as roads, railroads, airports, bridges, harbors, channels, dams, irrigation projects, pipelines, power plants, and water and sewage systems.

SKILLS
- Communicating through problem-solving, research, teamwork and presentations
- Ability to maintain an overview of entire project while paying attention to detail
- Management ability and supervisory skills

DUTIES
- Plan and design major civil projects
- Develop construction specifications and procedures
- Evaluate and recommend appropriate building and construction materials
- Interpret, review and approve survey and civil design work
- Conduct field services for civil works
- Ensure construction plans meet guidelines and specifications of building codes and other regulations
- Establish and monitor construction work schedules
- Conduct feasibility, municipal and regional traffic studies.
- Monitor air, water and soil quality and develop procedures to clean up contaminated sites
- Conduct analyses of survey or field data for development of topographicAct as project or site supervisor for land survey or construction work
- Prepare contract documents and review and evaluate tenders for construction projects
- Supervise staff and review and approve designs, calculations and cost estimates.

EDUCATION
- A high school diploma is required
- A bachelor’s degree in Civil Engineering or in a related engineering discipline is required
- A master’s degree or doctorate in a related Engineering discipline may be required
- Licensing by a provincial association of professional engineers is required to approve drawings, reports and to practice as a Professional Engineer (PEO)

SALARY RANGE:
65,000 TO 125,000+

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