



Project Designer – Utility Design (LRT)

Location: Markham, ON (In-Office)

Position Type: Full-Time

Company: GenCore Ltd.

Position Summary

GenCore Ltd. is seeking an experienced **Project Designer – Utility Design** to support the design and delivery of utility infrastructure projects within Light Rail Transit (LRT), transportation, telecommunications, and electrical utility environments. Reporting to the Project Manager, Utility Design, the successful candidate will be responsible for preparing moderate to complex utility designs, coordinating multidisciplinary interfaces, and ensuring the delivery of high-quality engineering design packages.

The ideal candidate will possess strong utility design experience, advanced AutoCAD capabilities, and a proven background supporting LRT and transportation infrastructure projects.

Key Responsibilities

- Lead the creation of utility design drawings, quantity calculations, and as-built documentation of moderate to high complexity across telecommunications, electrical, and related utility infrastructure portfolios.
- Assemble construction-ready design packages through the application of AutoCAD, Civil 3D, and other industry-recognized utility engineering platforms.
- Advance utility relocation and coordination efforts within transportation and Light Rail Transit (LRT) corridors in alignment with project schedules and stakeholder commitments.
- Work in partnership with Project Engineers to uphold design accuracy, technical quality, and conformance with applicable project requirements and standards.
- Examine permit drawings, municipal standards, utility specifications, and stakeholder feedback, and integrate findings into ongoing design development.
- Coordinate with Project Engineers, Field Inspectors, utility owners, municipalities, and contractors to identify, evaluate, and resolve technical and field-related issues.
- Take an active role in design reviews, coordination meetings, and constructability assessments throughout the project lifecycle.

- Direct the day-to-day execution of project schedules, deliverables, and assigned work packages, with guidance from senior project personnel.
- Deliver project work within the approved budget and in accordance with established quality standards and acceptance criteria.
- Maintain accurate records of project hours and contribute to effective budget governance.
- Coach and develop Project Technicians in design fundamentals, drafting standards, and quality expectations to support team capability growth.
- Identify and recommend improvements to design processes, workflows, technical standards, and overall project execution practices.
- Carry out additional responsibilities, as assigned, to support the successful delivery of project objectives.

Qualifications

- Post-secondary credentials in Electrical Engineering, Civil Engineering, or an Architectural program are required.
- A minimum of eight (8) years of progressive design experience on utility projects, specifically across telecommunications, hydro, and gas, is required.
- A minimum of three (3) years of direct experience on Light Rail Transit (LRT) or major transportation infrastructure projects is required.
- A minimum of three (3) years of hands-on drafting experience in AutoCAD or MicroStation is required.
- Demonstrated proficiency in AutoCAD, including a track record of customizing scripts, tool palettes, and menus, is required.
- Substantive ability to review electrical and civil engineering drawings and site plans for technical accuracy and constructability is required.
- A strong working knowledge of municipal standards and applicable utility requirements is required.
- Working proficiency with the Microsoft Office suite, in particular Word and Excel, is required.
- An exemplary safety and attendance record, supported by a demonstrated commitment to safe work practices, is required.
- Familiarity with applicable CSA standards is regarded as a strong asset.
- Hands-on exposure to AutoCAD Civil 3D, Building Information Modeling (BIM), and Common Data Environments is regarded as an asset.

Compensation

- Hourly Rate: \$28 – \$38 per hour

What We Offer

- Opportunity to work on major transit and infrastructure projects across Ontario.
- Exposure to multidisciplinary engineering design and utility coordination projects.
- Collaborative team environment with opportunities for professional growth.
- Competitive compensation and benefits package.

Apply Now!

Send your resume to info@gencoreutilities.com