

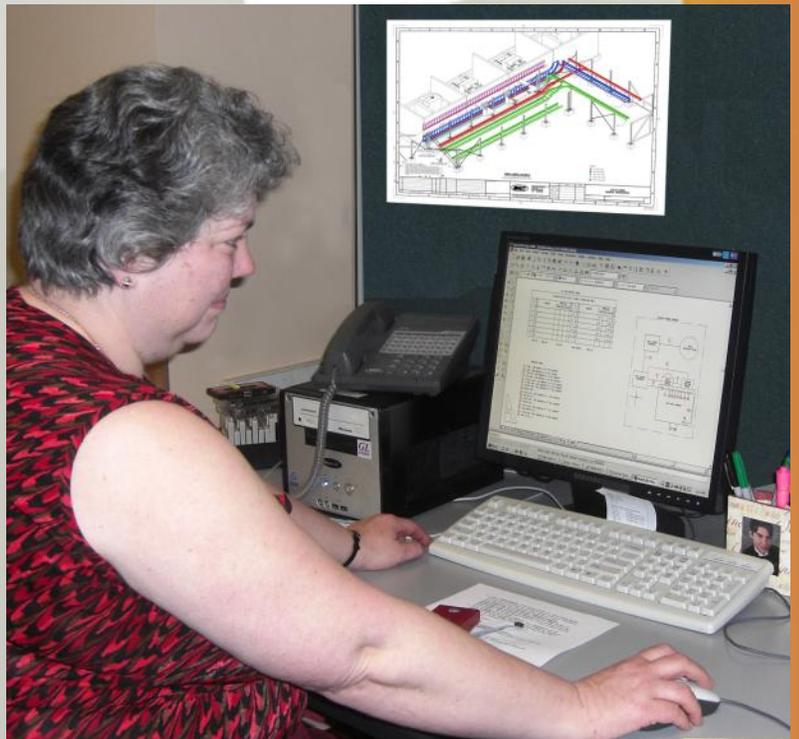


Computer Aided Design and Drafting (CADD)

Company Overview

- A Hi-Tech Company with 40+ People, Founded in 1986
- BS / MS / PhDs in Civil, Electrical and Systems Engineering, Math, Science and Telecommunications
- Technical and Engineering Consulting
- CADD Expertise for Civil Construction and Engineering
- Infrastructure Build-out for Transportation Industry
- Design Support for Construction Related Activities
- Public Safety and Commercial Land-Mobile Radio Infrastructure
- Fiber Optic and Wireless Communications Infrastructure

CADD Support for Construction & Engineering



GL has the expertise to support your CADD needs.

Project Examples

- **Metro Station LAN Riser System**
Developed CADD drawings as part of contract package to establish conduits/ducts routing.
- **Station Emergency Telephone (SET) System**
Completed station surveys and developed contract drawings in ACAD, showing geometry of station platforms and other levels.
- **Rogers Avenue Cross-Over Project**
Prepared CADD drawings for a project that involved major overhaul of railroad tracks and interlocking.
- **Interstate Highway Related Designs**
Designed and provided CADD documents for many interstate highway segments and an elevated segment for a Regional Rapid Transit System.



Construction Management

Technical and Management Support for Construction & Engineering



GL can manage your telecom infrastructure construction.

Project Examples

- Designed layout of conduits/ducts/pads and electrical work along a Right-of-Way shared by multiple rail road companies.
- Managed constructions to install WAN cabinets and communications and electrical infrastructure.
- Conducted pre and post construction surveys.
- Managed multiple civil and electrical contractors to meet schedule and quality requirements.

- Coordinated zoning permits for construction, and environmental and occupancy permits with historical societies, local governments, and state agencies.
- Provided on-site quality assurance and inspection services.

Fiber Optic Cable Layout Projects

- Designed and inspected optic fiber cable layouts for a Light Rail double track project.
- Provided design and construction oversight for Detroit to Ann Arbor and Cleveland to Baltimore fiber-optic systems.