



TRENCHLESS ENGINEERING & CONSTRUCTION SUPPORT

Lauren provides a full range of trenchless engineering services to successfully manage and execute all trenchless requirements of pipeline, oil and gas, and other infrastructure projects.

Lauren's trenchless technology specialties include horizontal directional drilling (HDD), direct pipe installation (DPI), micro tunneling (MT), and all horizontal auger boring (HAB) methodologies. Our team has over 35 years of experience, and thousands of successful executions and projects throughout Canada, the USA, and internationally.

TYPES OF PROJECTS

- Watercourse and wetlands crossings
- Roadways, rail, pipeline, utility crossings
- Geohazard avoidance and mitigation
- Logistical avoidance and mitigation
- Facilities infrastructure
- Class upgrades
- Pipeline integrity mitigation
- Environmental avoidance and mitigation
- Archaeological avoidance and mitigation
- Sustainability projects
- Electrical and telecommunications
- Municipal infrastructure
- All lengths and diameters

INDUSTRY AWARDS

Lauren's trenchless team has been awarded several trenchless project of the year (NASTT, North American Society for Trenchless Technology) and trenchless construction awards (ACA, Alberta Construction Association). These awards showcase major trenchless projects for technical achievement and construction success.



SUPPORTING SERVICES

- Route evaluation and selection
- Estimating and scheduling
- Technical feasibility and risk analysis
- Regulatory and environmental support
- Geotechnical planning and review
- Geohazard identification
- Mitigation and contingency planning
- Conceptual and preliminary planning
- Stress analysis, annular pressure modeling and geometric design
- Detailed design drawings
- Engineered design specifications
- Detailed execution planning
- Prequalification and contract support
- As-built and post-construction documentation



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LAUREN
Engineering & Project Delivery