



COMBINING **LOCAL ENGINEERING** KNOWLEDGE WITH **LEADING-EDGE GEOMATICS EXPERTISE**



For over 20 years, Tulloch Engineering has provided practical engineering and survey solutions to both the private and public sector. Projects range from large Government assignments to private residential requests. Tulloch Engineering provides engineering, environmental studies, contract administration and surveying services to industrial, residential and commercial clients as well as to all three levels of Government. We are committed to providing a range of professional services, from conceptual design and environmental assessment through to contract administration.

MATERIAL TESTING

Concrete
Asphalt
Soils
Compaction testing
CCIL certified

MUNICIPAL

Drainage projects including storm sewers and storm water management
Water supply and distribution
Wastewater/sewage collection and treatment
Landfill design, closure plans, and monitoring
Project management and contract administration
Asset management

ENVIRONMENTAL

Class Environmental assessments
Species at Risk surveys and permitting
Fisheries construction and post-construction monitoring (Ministry of Transportation - RAQS Certified)
Erosion and sediment control plans
Permits to take water and dewatering plans
Regulatory approvals

MAPPING

High accuracy terrestrial and landbased mobile LiDAR datasets
As-built and pre-engineering surveys along busy road corridors
Railway corridor surveying
Airport runway surveying
Augmenting existing airborne LiDAR
Electric transmission and distribution inventory

GEOTECHNICAL

Geotechnical investigations
Seismic and geophysical studies
Pavement design
Shallow and deep foundation design, including piles and micropiles
Pits and quarries

LAND DEVELOPMENT

Right-of-way feasibility studies
Subdivision design
Site plan approvals
Lot severances
Site servicing design

TRANSPORTATION

Preliminary and detailed highway and road design
Road assessment
Feasibility/corridor selection
Soil-steel structures (large culverts) for river crossings
Drainage and hydrology/ culvert sizing
Value engineering and constructability review

STRUCTURAL

Building design and renovation
Foundation design
Bridge design, rehabilitation and inspection
Industrial steel structure design and modifications
Photovoltaic foundation design