



Managing Director of Infrastructure Services

ENGINEERING SERVICES

Manager of Engineering

Engineering Technologists

GIS Technician

Asset Management and Capital Projects Manager

Water/Wastewater Capital Project Manager

WHAT WE DO

Plan, Design, and Build Township Infrastructure

From concept to construction, the Engineering Services team is responsible for ensuring that the Township's bridges, roads, water systems and sewer systems are safe, functional, and sized to meet current and future needs of the community. The team completes Master Plans and Municipal Class Environmental Assessment Studies to identify infrastructure needs and solutions, and then oversees the detailed design and construction of capital projects.

Infrastructure Asset Management

The team coordinates regular inspections of Township infrastructure and maintains a detailed inventory of asset condition to ensure infrastructure is kept in a state-of-good-repair. In accordance with the priorities outlined by the Township's Asset Management Plan, the team provides input to the annual capital budget and forecast to ensure that infrastructure priorities are informed by real-world data.

Development Servicing and Utility Coordination

Working cooperatively with the development community, the team coordinates the extension of municipal services to accommodate buildings of all uses and sizes. We are also the point of contact for third-party utility providers, issuing hundreds of permits a year for utility works occurring within municipal road allowances.

KEY FACTS

- 1 The Township maintains 111 bridges, 463 km of roadways, 127 km of watermains, and 118 km of wastewater mains
- 2 All municipal water is supplied from a network of groundwater wells capable of filling 5 Olympic sized swimming pools every day. More wells are needed to accommodate future growth, and in 2041 it is estimated that the system will need to fill 8 swimming pools per day.
- 3 Based on the Township's Transportation Master Plan, 56 kms of road improvements, 18 intersection improvements, and 5 new bridges will be needed by 2041 to accommodate mobility for all road users.
- 4 Township bridges are inspected at least every two years in accordance with Provincial requirements. Bridges with load restrictions or where deterioration has been observed are inspected more frequently (every 3 or 6 months).

NUMBER OF STAFF:

6

- Manager of Engineering
- Engineering Technologist - Roads & Bridges
- Engineering Technologist - Water & Wastewater
- Asset Management and Capital Projects Manager
- GIS Technician
- Water/Wastewater Capital Project Manager

CURRENT & UPCOMING PROJECTS

- ✓ New Water Supply Well Drilling and Exploration
- ✓ Centre Wellington Business Park Servicing
- ✓ Reconstruction of St. George Street - Herrick to Gartshore, Fergus
- ✓ Site Development for a New Township Operations Centre
- ✓ Reconstruction of East Mill Street - Metcalfe to Melville, Elora (2023)
- ✓ Replacement of Bridges 24-WG and 16-WG (2023)
- ✓ Reconstruction of Beatty Line - St. Andrew to Millage, Fergus (2023)



TOP QUESTIONS ASKED

1

How are bridge repairs and replacements prioritized?

As outlined in the Township's Asset Management Plan, bridges are given an overall risk rating based on:

- Bridge Condition
- Load Limits
- Detour Length
- Traffic Volume
- Local Access
- Emergency Response Times
- Heritage Status

Bridges with a higher risk rating are prioritized for repair or replacement within the Township's Bridges and Major Culverts 10-Year Forecast, which is part of the annual capital budget.

2

Why does it take so long to replace a bridge?

Bridge replacements are typically completed over a three-year cycle:

- **Year One:** Conduct a Municipal Class Environmental Assessment Study to establish a bridge solution. The options considered typically include replacing, rehabilitating, or removing a bridge.
- **Year Two:** Detailed Design
- **Year Three:** Construction

These steps are required to ensure that bridge options are studied and evaluated, and that the bridge is designed and constructed properly.

3

How does the Township plan infrastructure to keep pace with growth?

Population and employment growth targets provided by the Province of Ontario and the County of Wellington are used to inform future infrastructure needs. Specifically, the Township completes infrastructure Master Plans and other growth studies to determine transportation, water, wastewater and stormwater infrastructure needs to maintain or improve current levels of service and accommodate future growth in the 20 to 30 year timeframe.

4

What is the Township doing to address speeding in the community?

A Speed Limit Policy and Technical Approach has been developed for reviewing speed limits, assessing speeding concerns, and implementing effective speed reduction measures (also referred to as "Traffic calming") in urban and rural areas. In identifying speeding areas and implementing traffic calming measures, Township staff consider concerns voiced by residents and speed data collected in these areas. Residents are encouraged to report speeding concerns through the Township's online reporting form: www.centrewellington.ca/en/living-here/speeding-concerns.aspx