



*Intersection of Country Road 27 and County Road 1 – a left-turn lane was needed to improve operations and reduce the potential for collisions.*

*The increase in traffic and development at both intersections warranted the installation of control signals and increased illumination.*



*Intersection of Country Road 27 and County Road 21 (Robert Street) in the Town of Bradford West Gwillimbury*

## County Road 27 Intersection Improvements and Signalization Simcoe County

In June of 2002, The Ainley Group was retained by Simcoe County to provide engineering services for the installation of traffic control signals and associated improvements at the intersections of County Road 27 at County Road 1 (Robert Street in the Town of Bradford West Gwillimbury) and County Road 27 at County Road 21. The motivating factor for the project was the increase in traffic and development at both intersections, which warranted the installation of control signals and increased illumination. At the intersection of County Road 27 and County Road 1, there was an additional need for a left-turn lane to improve operations and reduce the potential for accidents.

The Project included:

- Topographic surveys, utility contacts and liaison with adjacent property owner to address concerns with entrance design and island relocations
- Preparation and analysis of intersection geometric alternatives
- Review roadside safety and provide recommendations
- Preparation of signalization design and timing plans
- Preparation of PH-M 125 legal drawings
- Preparation of contract and tender documents
- Provision of project management, construction supervision and inspection.

### Project Facts

**Client:** County of Simcoe

#### Scope of Work:

- Supplementary field survey
- Traffic data analysis
- Preliminary design
- Detailed design
- Contract tendering and evaluation
- Streetscaping
- Project management
- Construction supervision and inspection

**Project Cost:** \$550,000 (2003)