

Arnprior Downtown Infrastructure Revitalization

Location:	Arnprior , Ontario
Client:	Town of Arnprior
Duration:	2014 - Ongoing
Value:	\$10M (estimated)
Services:	Civil Engineering Electrical Engineering Landscaping (Lashley + Associates Corp.) Traffic Signal Design (Partham Engineering Ltd.) Geotechnical Engineering (Houle Chevrier Engineering Ltd.)

Jp2g Consultants Inc. was retained by the Town of Arnprior to undertake the design and contract administration for the complete reconstruction of three streets within the downtown core (Elgin Street, John Street, and McGonigal Street). Part of an overall revitalization and beautification project, this phased project was the largest underground infrastructure and road reconstruction project that the Town has ever undertaken.

The primary focus of the servicing scope of work was the separation of the existing combined sewer system with new storm and sanitary sewers. The other main focus of the project was the beautification of the downtown core with both hard and soft landscaping features.

The project was completed in phases. The first phase involved the reconstruction of McGonigal Street from Daniel Street to John St., which was prioritized as the initial phase of project. There was a desire from Town staff to tender this phase first to its completion during the 2015 construction season. The remainder of the project was tendered as one contract, with phasing to accommodate construction taking place over two construction seasons, 2016 (now completed) and 2017.

Since the project was located in Arnprior's business sector, it was important to keep the local businesses apprised of the construction timetable and activities. During the design stage, several public information sessions were held to advise businesses on the scope and schedule for the works and to solicit their input on any issues that they foresaw. During the construction phase, Jp2g staff were in regular contact with the business owners, resolving issues such as limited pedestrian access, compromised delivery schedules, service interruption, and restriction to storefront access.

As this project was part of a sewer separation program, it was necessary to find an outlet for the new storm drainage system. The selected option involved partnering with the County of Renfrew on an existing outfall. Our design involved upsizing the storm sewer along Madawaska Blvd. to accept the additional drainage from the Town's streets and the reconstruction of the storm outlet into the river. An oil/grit separator was installed to address water quality treatment.

The project includes new underground utilities, street lighting, road and sidewalk reconstruction, and an irrigation system.

