



Site 1



Site 2

Georgian Trail Pedestrian Bridges in Harbourview Park Georgian Trail Board of Management

In the summer of 2004, the Georgian Trail Board of Management (GTBM) retained the Ainley Group to provide engineering services associated with pedestrian bridges within the Town of Collingwood. The scope of work proposed by the GTBM required the replacement of two (2) trail bridges crossing Willow Creek and the Oak Street Canal within Harbourview Park.

Pedestrian safety was the primary impetus behind the replacement of the two bridges. The existing structures had substandard vertical safety rails, which presented a potential hazard to users of the bridges.

The GTBM had previously contracted Eagle Bridge Inc. to construct the prefabricated bridge spans. After fabrication at Eagle Bridge's facility in Kitchener, Ontario, the finished structures were transported by truck to the bridge sites in Collingwood. The larger span for Site 1 was delivered in two sections that were spliced together on site. The Ainley Group reviewed the completed shop drawings prior to fabrication, designed the bridge foundations/ abutments and produced design drawings and contract documents for the construction of the foundations and installation of the prefabricated bridge spans.

Project Facts

Client: Georgian Trail Board of Management

Scope of Work:

- Surveying
- Permits and approvals
- Drawing review
- Management of tendering process
- Contract administration:
 - Removal of existing bridges
 - Excavation, construction and backfill of new abutments
 - Offloading, splicing and placing bridge span
 - Site restoration including realigning and reinstating the trail where required.

Key Design Criteria:

- Pedestrian safety
- Environmentally sensitive areas.

Project Cost: \$82,400 (2004)

After tendering and receiving submissions from three pre-selected contractors, the Ainley Group analyzed the bids and made a recommendation to the GTBM.

The prefabricated bridge spans arrived at the installation sites during December 2004 and January 2005. Despite the very cold and snowy weather, the two bridges were placed on their abutments using heavy construction equipment.

The Ainley Group's involvement included the design of the concrete abutments for the new bridges, surveying, obtaining all necessary permits and approvals, managing the tendering process, reviewing the bridge design and undertaking the contract administration.