

## PROJECT PROFILE



The existing bridge over Laurel Creek in scenic Waterloo Park had served many years and was used by approximately 1000 walkers and cyclists per day and as such, required replacement. The City of Waterloo tendered the fabrication and installation of a new bridge that would emulate a Victorian theme consistent with that of the park. After contract award, shop drawings and engineering approvals, the fabrication began. The bridge was built in one piece in our own shop using self-weathering steel. The design called for a flat deck and a cambered top chord. The top chord was 6 x 8 x 3/8" HSS that was formed in house with a 6ft camber over 106ft. The bridge also featured decorative picket railings, and 1/4 x 2" flat bar scrolls to accent the design. With a span of 106ft, an

overall width of 14ft, a height of 13ft, and a weight of 46,000lbs this bridge presented unique transportation challenges. We transported the bridge on a telescopic trailer with remote actuated rear steering capabilities. We contracted both police and perimeter escort services for the trip from our shop to the site. At more than 17ft in height the truck driver had to take special care to avoid power poles and traffic light standards. The site was secured from pedestrian access for safety and the old bridge was removed. The new bridge was installed and the site was opened to regular traffic all on the same day. Local dignitaries were in attendance for the installation and were elated with the results and the time frame in which the job was completed.

### CUSTOMER

The City of Waterloo

### PROJECT

Pedestrian & Bicycle Bridge

### LOCATION

Waterloo Park, Waterloo, ON

