

# Outperform.

## Klimer High-Performance Projects



### *Heavy-Duty Mast-Climbing Work Platforms*

## Garden City Skyway Bridge St. Catharines, Ontario

*Company Name: Brennan Paving Ltd. (Miller Group), Markham, Ontario.  
Sean Firth, Estimator / Project Manager. Mark Grenier, General Foreman.*

*Restoration and repair on deteriorated bridge piers, partial rebar replacement.  
Eight Klimer mast-climbing work platforms used. June to November, 2010.*

This demanding project required the use of heavy-duty mast climbers. A total of eight Klimer platforms were used for access on two of the tallest piers (approximately 100 feet high) at this site.

The project involved restoration and repair of deteriorated piers plus partial replacement of rebar. This included concrete chipping, forming, pouring, drilling of anchors, concrete replacement and restoration. A combination of Alimak drive units and KlimerLite decks were configured to deliver optimal access to the piers. The eight Klimers were twinned at the start of the project for access across the top of the piers. The platforms were split as work progressed and they moved down the pier columns.

"We realized efficiencies in being able to take equipment and tools onto the platform. We were able to work faster, with less up and down travel time," said General Foreman Mark Grenier. "The Klimer platforms gave us convenient access to electrical. Our site was more organized and better-contained. I'd like to have Klimer platforms on every job!" he added.

Estimator and Project Manager Sean Firth's decision to use Klimer platforms was determined through his evaluation of comparing manpower-time required to install traditional scaffold on the taller piers vs. manpower-time required to install the mast-climbing work platforms.

"The speed at which the Klimers could get into service was far greater and more efficient," Sean noted. "We also saw increased ergonomics by placing platforms and men where the work needed to be performed. There's less overall physical effort."

Sean added that workers do not experience the same repetitive strains, since they are continuously working at an ergonomically ideal level, without having to carry heavy jackhammers and similar equipment up and down plank access.

With the capacity to place men and materials on the platform, fewer vertical trips are required. Sean saw time savings of approximately one man hour per worker per day. Over the course of a day, week and the term of the project amounted to considerable savings.

*Improve production, control schedules, reduce costs and enhance service to multiple trades on your next construction or restoration project with Klimer's versatility and industry-leading speed/capacity ratio.*



### **Klimer Platforms Inc.**

7045 Auburn Road, Milton, Ontario, Canada L9T 7V9  
Tel 905-876-4063 Fax 905-876-3791

**1-888-526-3262**  
info@klimer.com klimer.com

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