

NIAGARA FALLS PARKS DEPT.



THE SITUATION

Niagara Falls is a world famous collection of 3 massive waterfalls that combine to create the highest flow rate of any waterfall in the world. Located on the Canadian and U.S. boarder, the falls attract tens of millions of tourists every year and is a leading source of revenue for the Niagara Falls (Ontario, Canada) economy. To support this tourism, the parks department constructed a large infrastructure of walkways, sitting areas and viewing platform adjacent to the falls. All along these areas are steel handrails, outdoor seating and tables, signs, lights and other park fixtures. Due to the enormous amount of moisture, and constant exposure to the surrounding water environment, the parks department is constantly battling to maintain the integrity and appearance of these fixtures. Typical paints and other coatings are not sufficient to protect the steel substrates in such a corrosive environment - so a more durable, longer-lasting solution was needed.

THE SOLUTION

LINE-X was selected as the ideal solution to help extend the life of the railing, signs, tables, seats, and other fixtures in the parks. Niagara LINE-X worked directly with the city's engineers and parks department to develop a set of standards to ensure proper coating effectiveness. LINE-X XS-100 polyurethane/polyurea hybrid formula was selected as the base coat for its proven durability, impact and abrasion resistance, and rust protection. LINE-X ULTRA aliphatic polyurea was chosen as the topcoat to add a finished aesthetic as well as custom color and UV stability. Also, ULTRA is used as a standalone thin-build coating on the park signs as they are not subjected to impact or abrasion but still require rust and UV protection.

The railings, tables, seats and light fixtures are sandblasted to bare metal and primed prior to coating. LINE-X XS-100 is applied as a thick build basecoat. Once the XS-100 is applied, ULTRA is sprayed in a Pantone green color specified by the Niagara Parks Department as the UV stable topcoat.

THE RESULTS

The combination of LINE-X XS-100 and ULTRA coatings have been extremely successful at extending the life of the park fixtures. Additionally, this solution has helped drastically cut maintenance costs and down time. Both XS-100 and ULTRA are fast-setting which allows for a quick return to service. Niagara LINE-X is continuously working on projects for the parks department due to their application expertise, and because the LINE-X coatings have far exceeded the expectations of the customer.