

# BELZONA PROTECTS STREET SWEEPER

ID: 1349

Industry: *General Industry*

Application: *SHM-Solids Handling Machinery*

Customer Location: *Local municipality, Québec Canada*

Application Date: *May 2006*

Substrate: *Steel*

Products: *\* Belzona® 1812 (Ceramic Carbide FP) ,  
\* Belzona® 2111 (D&A Hi-Build Elastomer) ,*

## Problem

*Abrasion on the nozzle and on the duct. Customer wanted to prevent the abrasion and impact damage.*



## Photograph Descriptions

- \* Example of a Elgin vehicle with the parts ,
- \* Belzona® 1812 applied on the nozzle and parts ,
- \* The design of the busher parts receive more impact. Belzona® 1812 was able to resist perforation of the elbow. ,
- \* With the use of Belzona® 2111, no more wear even after 500 hours ,

## Application Situation

Street sweeper

## Application Method

The application was carried out in accordance with Belzona Know-How System Leaflet SHM-8. Expanded metal was tack welded into position to assist rebuilding with Belzona® 1812. Belzona® 2111 found to give improved protection on high wear areas.

## Belzona Facts

Without the Belzona, this equipment lasted less than 500 hours, one year's season (spring to fall). With Belzona® 1812 as a coating, inspection showed very small wear and was useable another season after some touch up. In some areas, impact was more severe and the use of Belzona® 2111 resulted in no wear after 500 hours.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015

FS 695214

ISO 14001:2015

EMS 695213

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manufactured under an ISO  
9000 Registered Quality  
Management System.

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