

# Remove Paint, Corrosion and Profiling Structural Steel Bases in Amusement Park Play Facility

Project 856

## Overview:

- Structural steel bases in park's play facility were corroding in dark, humid setting
- Coating failure in many areas
- Park operates 9am to 10pm, year-round
- Short window of opportunity for blasting and painting; allowed only during non-operating hours

## Objective:

- Remove paint, existing corrosion where necessary and profile the superstructure's steel bases, then re-coat



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**Substrate:** steel

**Surface Condition:** peeling paint;  
mid-grade rust on frame bases

**Specified:**

- NACE 2 to NACE 3 / SSPC SP-6 to SP-10 / Sa2 to Sa2.5  
Commercial Blast Cleaning to Near White Metal Blasting Cleaning

**Desired Profile:** 70 to 80 micron ( $\pm 3$ mil)

**Tried Using:**

- Hand-tools; could not effectively remove rust and paint and effectively profile in confined locations (crevices)

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## Reasons for Sponge-Jet:

- Sponge Media could blast paint and rust completely in confined spaces (crevices)
- Sponge Media could achieve specification
- Superior profiled surface quality compared to other conventional abrasives

## Used:

- 15 bags of Silver 30 and Silver 30DG Sponge Media™ abrasives
- 100-HP Feed Unit™  
35-P Sponge-Jet Recycler™



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## Result:

Customer reported that Sponge-Jet blasting was ten times faster than power tool preparation

## Outcome:

Park management specified Sponge-Jet blasting on all similar projects

**SPONGE-JET BLASTER  
USING BANANA NOZZLE**

