



The Problem

Conrail needed a solution to improve the foot candle levels and reduce maintenance costs for their outdoor lighting underneath an overpass. The location was a high abuse environment and required LED Light Fixtures that could withstand the vibration and corrosion associated with bridge lighting.



The Solution

- 400 watt metal halide fixture replaced with 144 watt LED Highbay Lighting fixtures.
- LED Fixtures included IP66 rating, Tempered Glass Lens, and NEMA 4X enclosure



The Results

- kWh Reduction – 57,579 kWh
- Lighting Energy Reduction - \$7,635
- Annual Maintenance Cost Reduction - \$3,124
- Rebate Eligibility - \$2,100
- Greenhouse Gas Reduction – 184,314 lbs



Project Results



View The Results

Below is an image the LED High Bay Lighting project for the railway underpass. Increasing foot candles to improve safety as a primary concern for the customer. Another benefit of the industrial lighting retrofit was the decrease in maintenance costs, as the new LED fixtures included a 10 year warranty.

Project Images



Location

Elizabeth, NJ

Savings

68% Energy Reduction
\$35,816 Maintenance

Fixtures Replaced

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