



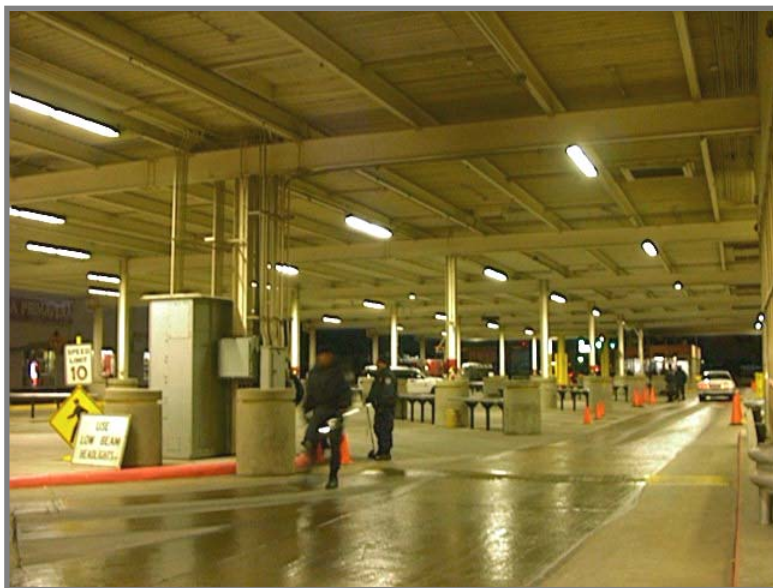
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Case Study

Eagle Pass Border Patrol Station

Since 2004, the USBP Service has investigated using Magnaray® products at Border Patrol Stations because of the improved quality of light, its “Instant-On” ability, and lower energy costs. The first night of operation, at a California station, 6 would be illegals that normally wouldn’t have been seen, were caught. It is estimated that it would cost \$100,000 to catch and prosecute each, so the system saved them \$600,000 its first night of use! In 2006, the system at Eagle Pass, Tx was determined to be beyond repair, and a new Magnaray® system was procured. The old system used 400 watt HID luminaires, which were replaced, 1 for 1 with the #W4PL5096, @212 total watt units. Hourly savings is 56%, but since the Magnaray® units are “Instant-On”, a control system allows the lights to be on only when needed, while the HID had to operate 24/7. BP Agents are very happy with the results, stating they can “see” better, and claim to have “more light”, even though fewer rated lumens are being used. They can process more cars in less time, and “seeing better” allows them to be more thorough.



Note good color rendering, great uniformity, reduced glare (even with wet pavement) and light *where* it is needed.

Annual energy savings is estimated at over \$12,000/year, with the following chemical pollution savings*:

CO₂ = 17,600+ pounds/year

SO₂ = 48670+ grams/year

NO = 57,667 grams/year

*Data Source = EPA

Saving Energy and the Environment Since 1964

"Quality is never an accident; it is always the result of high intention, sincere effort, intelligent direction and skillful execution; it represents the wise choice of many."

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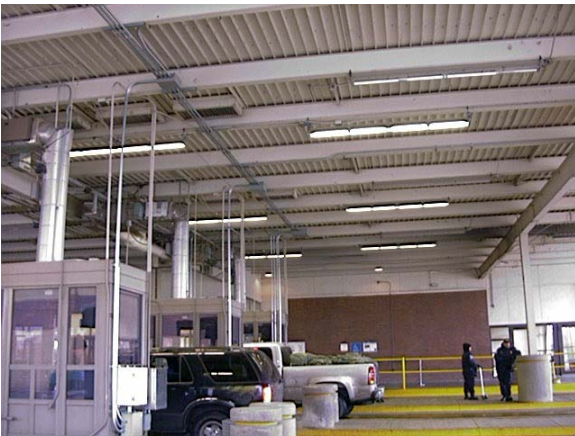
Page 2 with photos



“Only Needed” Lights On



Clean, Neat Contractor Install



Daytime Entrance From Mexico



Night Operations



Note Very Little Light Outside Canopy



Light, Where You Need It When You Need It.!