

Case Study:

Legacy Parkway – Salt Lake City, Utah

Williams Outdoor Die-Cast Induction Lighters Provide Low Maintenance, High-Quality Visibility to Utah's Legacy Parkway



Job Specific Information:

- Fixture and Quantity: 54 Williams Outdoor ICEAL1 induction luminaires installed under three bridge decks, and 100 ICESL1N sign lighters installed to illuminate overhead highway signs along the Legacy Parkway corridor.
- Color Rendering: Induction lighting delivers an 80 CRI (color rendering index), which makes outdoor signs look truer and brighter than those lit by metal halide, high-pressure sodium, or mercury vapor lighting.
- Lamp Life: Williams induction fixtures will operate up to 25 years, based on an average operating time of 10 hours per day. After 60,000 hours, the ICETRON lamp still delivers 70% of original lumen output.
- For complete ICEAL1 specifications, see hewilliams.com

When it opened in Fall 2008, Utah's Legacy Parkway represented a sharp detour from other four-lane highways in the American West. Instead of a focus on speed, the 14-mile stretch outside Salt Lake City offers a gently meandering roadway, limited on- and off-ramps, adjacent foot and equestrian trails, and asphalt paving for quieter traffic flow.

However, even with the effort taken to strike a balance between road and nature, project managers knew that lighting selection was critical to the Parkway's overall success.

ICEAL1



"The design team wanted a different look throughout the Legacy Parkway corridor," said Larry Montoya P.E., traffic signal and lighting program manager with the Utah Department of Transportation. "For the bridges and signs, we wanted a product that would reduce light trespass, resist road vibration and deliver good color rendition. The H.E. Williams' fixtures met those requirements."

For the three bridge decks spanning the Parkway, project designers chose the Williams Outdoor Die-Cast ICEAL1 induction area lighters. Surrounded by a fully enclosed and gasketed die-cast housing that minimizes vibration, this durable fixture delivers targeted area lighting in temperatures ranging from 130°F to -40°F. For overhead highway signs in the corridor, the team selected the Williams ICESL1N, which provides clean, crisp sign lighting, free of yellow or blue tones generated by other outdoor lamp products.

ICESL1N



In addition to these benefits, Utah transit officials also chose induction technology for its remarkable longevity. Equipped with Sylvania electrodeless lamps, Williams die-cast induction lighting products are designed to operate for up to 100,000 hours. That is four times the average lamp life for high-pressure sodium or mercury vapor luminaires, and 10 times as long as comparable metal halide fixtures.

“Out of all the manufacturers we represent, H.E. Williams is the only one that produces an induction fixture for these applications,” said Chris Van Beuge, outside sales representative for DMA Total Lighting Concepts in West Valley City, Utah. “With induction, the longevity of the total fixture is much greater than HID (high-intensity discharge) lighting. That means the state will save a great deal of money on maintenance.”

Montoya agreed.

“Clearly, we wanted lighting that wouldn’t require a lot of maintenance, which is why we chose to go with induction,” he said. “In overhead signs alone, it’s expensive to close down a lane and get equipment over the highway to replace lamps every one or two years.”

