



Municipal - Upgrade

# I-35W St. Anthony's Fall Bridge

Minneapolis, MN

Cree Edge™ luminaires provide sustainability and safety for the rebuilt I-35W bridge.

- Five times more life than traditional high-pressure sodium lamps
- NanoOptic® refractors target light improving visibility and increasing traffic safety
- 15 percent annual energy savings





Photo Credit: FIGG Engineering Group

“ We wanted to use state-of-the-art lighting for the I-35W project and consider Cree® to be a company that’s in the forefront. ”

**Tom Jenkins, Bridge Construction Quality Assurance Engineer, Figg Engineering Group**

## SUSTAINABILITY AND SAFETY

### OPPORTUNITY

Shortly after the tragic collapse of the I-35W Bridge in August 2007, Figg Engineering Group began designing a new structure with the highest safety standards and state-of-the-art technology.

### SOLUTION

When exploring lighting options for the bridge deck, Figg Engineering Group wanted an environmental solution and Cree® LED luminaires were the natural choice.

“We wanted to use state-of-the-art lighting for the I-35W project and consider Cree® to be a company that’s in the forefront,” said Tom Jenkins, Figg Engineering Group’s Bridge Construction Quality Assurance Engineer. “We can actually see from one side of the deck to the other and that’s quite a long distance. Motorists now have an unobstructed view of the roadway and are very receptive to the performance of the fixtures schedule.”

### BENEFITS

Cree Edge™ luminaires with BetaLED® Technology are mounted in the center of the median along the deck and the Minnesota Department of Transportation is looking forward to a reduction in maintenance costs and an annual energy savings of 15 percent by installing the luminaires. Cree Edge™ luminaires deliver more than five times the life of traditional high-pressure sodium lamps supporting sustainability goals of the bridge design.

The new 10-lane I-35W Bridge has a rated life span of 100 years and features the latest safety and environmental technology, such as “Smart Bridge,” a built-in sensor system that monitors structural behavior, runs the anti-icing system and operates the signals and message signs. Other features include high-performance concrete and multiple levels of steel reinforcing bars to ensure structural soundness.

The I-35W Bridge provides direct access to downtown Minneapolis and reopened more than three months ahead of schedule.

Learn more at: [www.cree.com/lighting](http://www.cree.com/lighting) | [info@cree.com](mailto:info@cree.com) | 800.236.6800

© 2013 Cree, Inc. All rights reserved. For informational purposes only. Not a warranty or specification. See [www.cree.com/lighting](http://www.cree.com/lighting) for warranty and specifications. Cree®, the Cree logo, BetaLED®, and NanoOptic® are registered trademarks, and Cree Edge™ is a trademark of Cree, Inc.

CAT/CCS-C038 08/2013

