

## DURATEL INSTALLATION ON CHICAGO'S LAKE SHORE DRIVE: COMPOSITE LIGHTING POLES FOR HIGH TRAFFIC, HARSH WEATHER CONDITIONS

**The Project:** The City of Chicago's Bureau of Electricity sought to replace ten overhead light poles along a scenic stretch of south Lake Shore Drive. Existing steel poles were found to be particularly susceptible to accelerated corrosion due to constant moisture from Lake Michigan and salt from winter road treatments.

**The Challenge:** Supply a cost effective, aesthetically desirable pole solution that ensured resistance to corrosive salt, moisture and strong winds from Lake Michigan while providing for swift installation on legacy pole bases in a high traffic area.

**The Solution:** The unique requirements for this high visibility installation demanded a product that could stand up to the elements, was easy to install and maintain in a legacy environment and provide a consistent appearance alongside other poles. Duratel met this challenge for the City with ten 35-foot fiber reinforced nonconductive pultruded light poles that will not rust, rot or decay under the harshest conditions. To speed installation, base fittings were custom built to align with existing pole attachments. The poles were designed to be lower than existing structures in order to maximize light illuminating the road below with new energy efficient bulbs. Duratel poles met all the structural and load requirements as existing steel poles, with the added benefit of weighing considerably less - a safety advantage along this high traffic corridor.



*Duratel, LLC is a leading innovator in the manufacture of pultruded, fiber reinforced composite utility poles for use by electric utilities, renewable energy companies, marine contractors, and green builders. For more information about our company, visit: [duratelgreen.com](http://duratelgreen.com).*

## Additional Lake Shore Drive Installation Photos



*Example of light pole corrosion along Lake Shore Drive*



*Duratel light pole installed on legacy base*



*Duratel pole base designed for installation on legacy footings*



*Lake Shore Drive installation looking south*

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