



East Meets West ... The D.S. Brown Company is Bridging the World with Leading Infrastructure Solutions

Delaware Memorial Bridge and Dongting Lake Bridge

With the recent completion of bridge projects in Wilmington, Delaware, and Dongting, China, the list of bridges featuring D.S. Brown's patented [Cableguard™ Elastomeric Cable Wrap System](#) continues to grow.

The Delaware Memorial Bridge is a nearly 10,800-foot twin suspension bridge crossing the Delaware River. Its longest span is 2,150 feet, and daily traffic is estimated at 90,000 vehicles. Between 2016 and 2017, approximately 16,400 feet of 21-inch diameter cable was wrapped with Cableguard™ to ensure long-term protection against corrosion.

The bridge over Dongting Lake is a major part of the highway section in Hunan Province. The two-way six-lane bridge is 2,390 meters long, with a main span of 1,480 meters, making it the longest steel girder suspension bridge in China. The bridge's main cables were designed and made to fully support its 40,000-ton deck. These 35.6 inch-diameter cables were wrapped with Cableguard™ in 2017.

Both the Dongting Lake and Delaware Memorial Bridges are using a [dehumidification process](#) in conjunction with Cableguard™ that keeps the cable humidity below 45 percent, eliminating the possibility of corrosion and extending the life of the bridges.

Developed exclusively for bridge cables, the Cableguard™ Elastomeric Cable Wrap System is applicable during construction or rehabilitation of cable-stayed and suspension bridges. Once applied, the 2.3-mm-thick protective wrap is heated to form a watertight covering with a lifespan of at least 50 years. Environmentally safe and easy to install, Cableguard™ is used on some of the most iconic bridges around the world to protect against corrosion and reduce future maintenance costs.

For more information on the Cableguard™ Elastomeric Cable Wrap System, contact The D.S. Brown Company at 419.257.3561 or go to our website at www.dsbrown.com.