

Veteran's Memorial Bridge

OVERVIEW

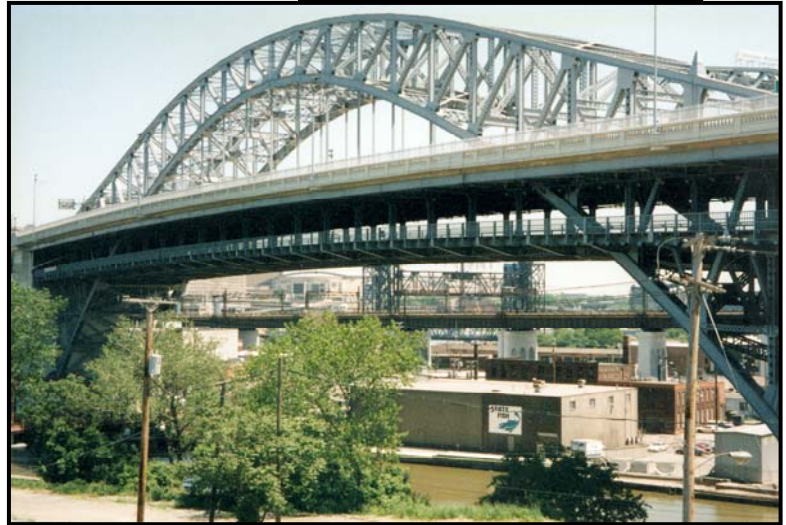
The Veteran's Memorial Bridge spans the Cuyahoga River in Cleveland, Ohio. It was built in 1918 and at the time was the largest steel and concrete reinforced bridge in the world. The bridge links Detroit Avenue on Cleveland's west side and Superior Avenue on Cleveland's east side. It is recognized as one of Cleveland's many historic sites.

PROBLEM

Noting the bridge's historical significance, the city of Cleveland wanted to take great care in upgrading the bridge. Two steel maintenance walkways running the length of the north and south sides of the bridge, below the traffic deck, needed to be replaced. The walkways are used for inspection and maintenance of the bridge, and the steel was rusting from salt corrosion. Finding a lightweight grating product which would also span more than 4 feet was a challenge for the City of Cleveland when they decided to upgrade the Veteran's Memorial Bridge.

SOLUTION

Approximately 12,000 square feet of 1-1/2" deep ISOFR Safe-T-Span® pultruded grating was fabricated for the 9'-10" wide x 591' long walkways. The grating panels were manufactured with 1-1/2" tie bar spacing and were 24'-7-1/2" overall in length. The clear span for the grating was 4'-1-1/2". Fibergrate is very proud to have been a part of this renovation project.



Project Specifications

Project

Veterans Memorial Bridge
Cleveland, Ohio

Application

Maintenance Walkways

Products

Safe-T-Span® ISOFR
1-1/2" Deep
Pultruded Grating

Engineer

HNTB Engineering
Cleveland, Ohio

Fibergrate
Composite Structures

5151 Beltline Road, Ste. 700 Dallas, TX 75254

Phone: 972-250-1633 • Fax: 972-250-1530

Fibergrate Composite Structures Inc. believes the information contained here to be true and accurate. Fibergrate makes no warranty, expressed or implied based on this literature and assumes no responsibility for the consequential or incidental damages in the use of these products and systems described, including any warranty of merchantability or fitness. Information contained here can be for evaluation only.

©Fibergrate Inc. 2006 Part No. TP881139-10/02

Printed in the USA