

CASE STUDY

Transportation



Project Specs

Location: Cleveland, Ohio
Application: Maintenance Walkways
Product: Safe-T-Span® ISOFR 1-1/2" Deep Pultruded Grating

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 SafeT-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.

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