Queensboro Bridge (USA)

Project description

The Queensboro Bridge, officially named the Ed Koch Queensboro Bridge, is a signature cantilever bridge situated over the East River in New York City, that was completed in 1909.

It connects Long Island City in the borough of Queens with Upper East Side Manhattan, passing over Roosevelt Island.

The replacement of 200,000 ft² (18,580 m²) of roadway deck, which underwent years of overloading, entailed significant challenges, including the selection of a lightweight but durable replacement that will extend the service life of the structure.

mageba scope

mageba was selected to supply a total of 12 TENSA®MODULAR expansion joints, in the LR3, LR6 and LR8 models.

These products allow for a maximum of 9", 18" and 24" (228, 457 and 609 mm) of longitudinal movements respectively, as per the project requisites.

PP-1 and PP-123 Orthotropic Deck Plate Connection Hardware was also provided for the work on the upper roadways of the bridge.

All fabrication was carried out at mageba's AISC-certified production plant in the USA.

Highlights & Facts

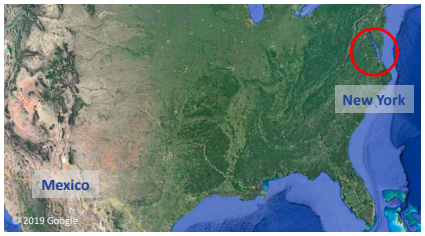
mageba Products:

Type:	TENSA®MODULAR LR3, LR6 and LR8 modular joints
Features:	PP-1 and PP-123 Orthotropic Deck Plates Connection Hardware
Installation:	2019

Structure:

City:	New York, NY
Country:	United States
Type:	Cantilever bridge
Main span:	1,182 ft (360 m)
Length:	3,724 ft (1,135 m)
Owner:	City of New York Department of Transportation Division Bridges
Contractor:	American Bridge

Queensboro Bridge crosses the East River in downtown New York



A TENSA®MODULAR LR joint ready for shipping

TENSA®MODULAR LR 3 joint in it recess

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