BBV SYSTEMS
WIR SORGEN FÜR SPANNUNG | WE STRESS FOR STRENGTH

Reference

Hochstraße Elbmarsch, K20, A7



SHORT DESCRIPTION

The longest German road bridge at 4.2 km will be extended to 8 lanes over a length of 3.8 km.

THE PROJECT

For this purpose, a widening of approx. four meters will be connected to the existing structure between the two halves of the structure. Existing transverse tendons are exposed here and lengthened with newly connected bar tendons. In addition, some crossbars have to be renewed. Strand tendons with and without bond are used here.

SERVICES IN DETAIL

The order was placed to install 5,400 bar tendons and approx. 5 tons of strands.

Procedure:

Bar post-tensioning method BBV with composite

internal strand post-tensioning process with bond

internal strand post-tensioning process without bond

FACTS

Location	Hamburg , Germany
Status	completed
Start of construction	January 2021
Completion	December 2024
Building owner	DEGES
Contracting entity	STRABAG
Planning	MCC

SERVICES

Post-tensioning system

Bridge construction