

SUCCESS STORY

RAILWAYS

GVB Gera, Wiesestraße, 1st construction phase

PROJECT DATA

Brief description

Installation of a continuous mass-spring system, double-track, implementation during ongoing railway operations.

Requirement

The intention is to obtain a reliable and low-maintenance track system, as hardly any major repairs to the track are possible due to a short cycle sequence of tram traffic. In addition, the surrounding buildings need to be protected from shocks and vibrations.

City, year Gera, 2020

PROJECT DESCRIPTION

In addition to the construction of a new track bed, a continuous mass-spring system is being built in this planning area. An elastic track bed mat will be used for the floating slab track, which will also serve as stay-in-place formwork. The implementation of the project is planned in time shifted construction phases, the completion of which is expected by the end of 2022.

SOLUTION

The track support plate of the carriageway is mounted on Calenberg USM 1000 W as a floor mat. As this is a straight track section, the mat is installed longitudinally to the track. Civerso type A is used as the side mat, which also provides a flexible solution to efficiently cover the numerous drainage boxes within the rail roadside.

The advantages:

- The profiling ensures all over drainage underneath the mat, no water absorption of the mat
- Shortened installation time due to longitudinal laying
- Concreting of the track support plate directly on the mat



