

Simply Bridging the Gap

MMBS reduces costs of the job site and improves flow of traffic.

Munich. This is one of those ideas when you ask yourself why you hadn't it earlier. With its new MAURER Modular Bridging System (MMBS), Maurer Söhne surprises the market with an innovation which bridges structural gaps. The mobile steel shutter plate can be passed with up to 70 km/h, can be opened in no time, and then releases the job site for the works to do.

The cause for this new development were the high costs for setting up a job site when expansion joints have to be replaced – and this in connection with high penalties when the replacement period and thus the time of blocking the traffic is exceeded. Conventional systems are too bulky and can be only established with the help of expensive mobile cranes. MMBS will be delivered with an efficient transporter. One side will be anchored firmly in the ground, and the other side will be swung open or closed. The bridging capacity is a structural gap of up to 2.2 m width.

Efficient modular system

The new bridging system attains its flexibility by way of its modular structure. The individual elements can be produced in various widths according to the requirements of the customer. When placed next to each other, they very fast constitute an interim bridge which can be passed by up to 70 km/h.

Even much faster the change to the job site operation can be accomplished and back again to flowing traffic. The bridge side is simply pulled up with the help of a bowden cable and then being stabilized in upright position. By way of its modular structure it is possible to foresee only parts of the bridge for job site operations or for passing traffic.

MMBS is being made of steel, and as a substitute for an expansion joint also accommodates thermic and dynamic displacements in longitudinal direction of the bridge. The system was developed especially for the replacement of expansion joints, and it was first time implemented at the Fallington Viaduct at the A3(M) in Southern England, from February to April 2011. Very early it turned out that this system draws also interest for other types of jobs at roads, like for example when working on canals and ducts.

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Can be passed by up to 70 km/h – the new MAURER Modular Bridging System.

Photo: Maurer Söhne



Installed and swung open in no time – MMBS simplifies the setting up of a job site and optimises the flow of traffic.

Photo: Maurer Söhne