

### **Liebherr mobile cranes successfully complete final bridge dismantling job in the dark and fog**

- High time pressure to re-install bridge supports
- Two Liebherr LTM 1300-6.2 cranes from Spallek and Sommer handle the job together
- 80 tonne reinforced steel supports cut into two halves using wall saw equipment

**Ehingen / Donau (Germany), 01. March 2017 - Three massive prestressed concrete supports for a road bridge were dismantled under great time pressure near Osnabrück. The railway track under the bridge was shut to rail traffic for two nights. Crane contractors Sommer-Kranverleih from Bremen and Autokrane-Spallek from Ibbenbüren each brought an LTM 1300-6.2 to the site to complete the job.**

The demolition team had just two nights available to remove the massive prestressed concrete supports. A Liebherr mobile crane was positioned on both sides of the railway track around eight metres below the bridge. The cranes' attachment equipment was secured to each half of the 80 tonne concrete supports before the supports were then sawn through in the centre and at the abutments. It took around four hours for the diamond-tipped wall saw to cut through the concrete supports which measured around two metres in height. The crane drivers then had to work with great precision because they had to make sure that the freely suspended sections of the support, measuring around 15 metres in length, did not tilt. The two 300-tonne cranes managed the load of around 42 tonnes with a radius of around 15 metres.

#### **Adverse weather conditions made the job even more difficult**

Below-zero temperatures and at times extremely thick fog made work on the site difficult and uncomfortable. During the first night, the team only managed to remove one of the supports rather than the two that they had hoped for. On the following night, however, the two remaining concrete supports had been removed by the morning and rail traffic could be restarted as planned.

The two crane contractors, Sommer-Kranverleih and Autokrane-Spallek, worked together for the first time on this site. "Our collaboration went very well", confirmed Managing Director Jörg Sommer after the work had been completed. Sommer, based in the Hanseatic city of Bremen, and Spallek, which operates from Ibbenbüren in the State of North Rhine-Westphalia, are long term Liebherr partners. Their fleets each comprise around a dozen cranes, all of which have been supplied by the Liebherr Plant in Ehingen.

**Captions:**

liebherr-ltm-1300-6.2-sommer-spallek1.jpg

The LTM 1300-6.2 from Sommer with one half of the last prestressed concrete support on its hook

liebherr-ltm-1300-6.2-sommer-spallek2.jpg

Andreas Meyer, crane driver at Sommer-Kranverleih issues instructions for securing the attachment equipment.

liebherr-ltm-1300-6.2-sommer-spallek3.jpg

A small work platform is lowered onto the tracks.

liebherr-ltm-1300-6.2-sommer-spallek4.jpg

The prestressed concrete supports as tall as a man were cut using sophisticated wall saw equipment.

liebherr-ltm-1300-6.2-sommer-spallek5.jpg

42 tonnes on the hook of the Spallek LTM 1300-6-2.

liebherr-ltm-1300-6.2-sommer-spallek6.jpg

The wall saws required around four hours for each cut. The concrete support here has already been cut through the centre and is now only connected to the abutment.

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