



Railway overpass, Niedermooos

Data and facts

Company	PORR Spezialtiefbau GmbH
Type	Foundations
Runtime	09.2020 - 10.2020
Principal	STRABAG Rail GmbH, Mannheim

[Project report online](#)

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PORR

Safe pile foundations during ongoing railway operations

The Fundex CP25D was chosen because it was the perfect size for the project - it could be flexibly moved along the track, and reach depths up to the end of the hammer wire (35m). With a pile length of around 24m, each of the 406mm diameter steel pipes was butted and welded twice.

Working at night to avoid interrupting rail operations

The work was carried out from September to November 2020 with two crews, and sometimes involved night shifts. This was because the only time there were no trains on the line was between 0.40 am and 4.40 am. This time window allowed the team to transport material for the next day's work from the station to the construction site with the two-way excavator. After the piling work had been completed, the team used the jet-grouting method to create a bracing and sealing floor slab on both sides of the abutment in order to protect the sheet piling box manufactured by Strabag Rail against water entering from below and to ensure that the shoring was stable.

The key to meeting DB AG's requirements on site was a customised specialist civil engineering solution developed in cooperation with Strabag Rail's planner. We would like to take this opportunity to thank the employer for the outstanding mutual collaboration.

Impressions



Image notes

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The work directly on the railway line was carried out during ongoing operations.

Do you have questions about the project or would you like to learn more? Feel free to contact us for further information.

PORR AG Group Communications

Absberggasse 47

1100 Wien

T +43 50 626-0

E-Mail: comms@porr-group.com