

Underpass Sliding Konolfingen, Switzerland



Description

The new railway underpass is a crucial part of the renovation of the Konolfingen railway station.

Hebetec Engineering was assigned to slide the two parts of the underpass, weighing 200t and 400t, into final position. After equipment installation the sliding works were executed using about 30min. for each part. Sliding beams HEM 500 with sliding shoes and double acting jacks were applied for this task.

After the necessary closure the railway line was reopened in time and according to the targeted schedule.



Facts

First bridge weight:	400 to
Sliding time:	30 min
Second bridge weight:	200 to
Sliding time:	30 min
Sliding distance:	15 m

Handling equipment

Skidways HEM500, L= 6m:	12 pcs
Skidshoes:	12 pcs
Strand jacks H-40:	2 pcs
Hydraulic jacks DP220-200:	12 pcs
Hydraulic pumps PA4-8:	2 pcs



Sliding construction (Sliding beam, -shoe and hydraulic jack) with jacked up load during the sliding.