



Project Fact Sheet

Railway Bridge in Strakonice



PROJECT

Project	Refurbishment of the bridge at KM 276,804 on rail line Ceske Velenice - Plzen
Client	SŽDC, Construction Manager Plzen
Installation date	23 August 2007
Designer	Valbek Plzen
Contractor	Chladek & Tintera
Description	Replacement of a 120 years old bridge with a new structure

FACT FILE

Structure	Precast arch 15 wall x 20 roof
Span	5,8m (clear)
Height	3,3m (clear)
Length	7,5m (3 rings by 2,5m)

REQUIREMENTS

- The structure dimensions to be equal or bigger than the existing bridge
- Maximum height clearance profile
- Replacement of the old bridge with a nice architectural solution
- A solution that can be installed fast to allow minimum closure of the railway line

SOLUTION

- Using an arch system on foundation strips
- Finding a suitable combination of 15 wall elements and 20 roof elements
- Reducing the width of the bridge using an edge beam
- Use of precast wing walls, to allow for solid earthworks and backfilling required by the railway line



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The old bridge



The new bridge



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