



Project Fact Sheet

R3 – Horná Štubna bypass, SO 201



PROJECT

Project	Highway R3 Horná Štubna bypass, SO 201
Client	NDS a.s. (Slovak Highway Agency)
Date of installation	16/09/2009 – 25/09/2009, 10 days only, including wing walls
Designer	ISPO Prešov s.r.o.
Contractor	Skanska BS a.s.
Description	Construction of the new railway bridge over the newly constructed highway

FACT FILE

Structure	OC 13,5m x 7,0m frame precast system
Span	13,5m (internal)
Height	7,0m (internal)
Length	33,7m (19 rings of 1,75m)

REQUIREMENTS

- Fastest solution for the construction of the new bridge
- Allow for the option to extend the bridge, to accommodate a future extension of the highway to 2+2 lanes
- Minimizing the risks associated with a built-in-situ structure
- A fast solution with minimum impact to the building site traffic and the environment

SOLUTION

- An alternative to massive built-in-situ abutments and the related construction processes and technologies
- Use of a frame precast system on slab raft foundation
- Using 8m high wing-walls
- Overall construction of the bridge and thus total rail possession in only 43 days
- Eliminated the requirement for a temporary bridge
- The main route was not blocked for the site traffic during installation



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