

 Bridges

## Reference Details:

**Owner** Highway Administration Prague  
**+++ Consulting Engineer** Pontex Ltd, Prague  
**+++ General Contractor** Stavby Mostu Praha in JV with Max Bögl & Josef Krýsl/Czech Republic

**DSI Services** Supply and installation of DYWIDAG Strand Tendons type MA 12 and 15-0.6".



## Longest bridge in the Czech Republic relies on DYWIDAG post-tensioning

### Egerbridge Doksany, Prague, Czech Republic

Part of the D8 interstate connecting Prague, Usti nad Labem and Dresden, the new 1,180 m long bridge is the longest bridge in the Czech Republic. The bridge crosses a valley of the river Ohre (Eger) and is located about 60 km west of Prague near the town of Doksany.

The owner - the Prague Highway Administration - awarded the project to general contractor Stavby Mostu Praha and Josef Krýsl/CZ. The bridge consists of a 330 m long approach bridge on the right, a 581 m long left approach bridge and a 289 m long main span. The right hand side approach bridge is composed of 17 spans, each 37.4 m long. The two-part structure required 8 days per span. The main span is a classic example of free cantilever construction with individual spans of 69.5 m + 137 m + 69.5 m.

The project utilized DYWIDAG strand tendons type MA 12 and 15-0.6". 2/3 of the strands were coupled, whereas 1/3 were continued through the complete segment length. The tendon lengths were 75 m for the approach bridges that utilized an erection gantry. In the free-cantilever segments of the main bridge the tendons were almost 140 m long.

A competitive proposal convinced the owner to proceed with the DYWIDAG strand post-tensioning system. The project was coordinated by DSI Munich in co-operation with our DSI licensee SM 7, Prague.

After two years of construction the project was completed on time and the Czech Minister of Transportation opened the bridge November 26th, 1998.