

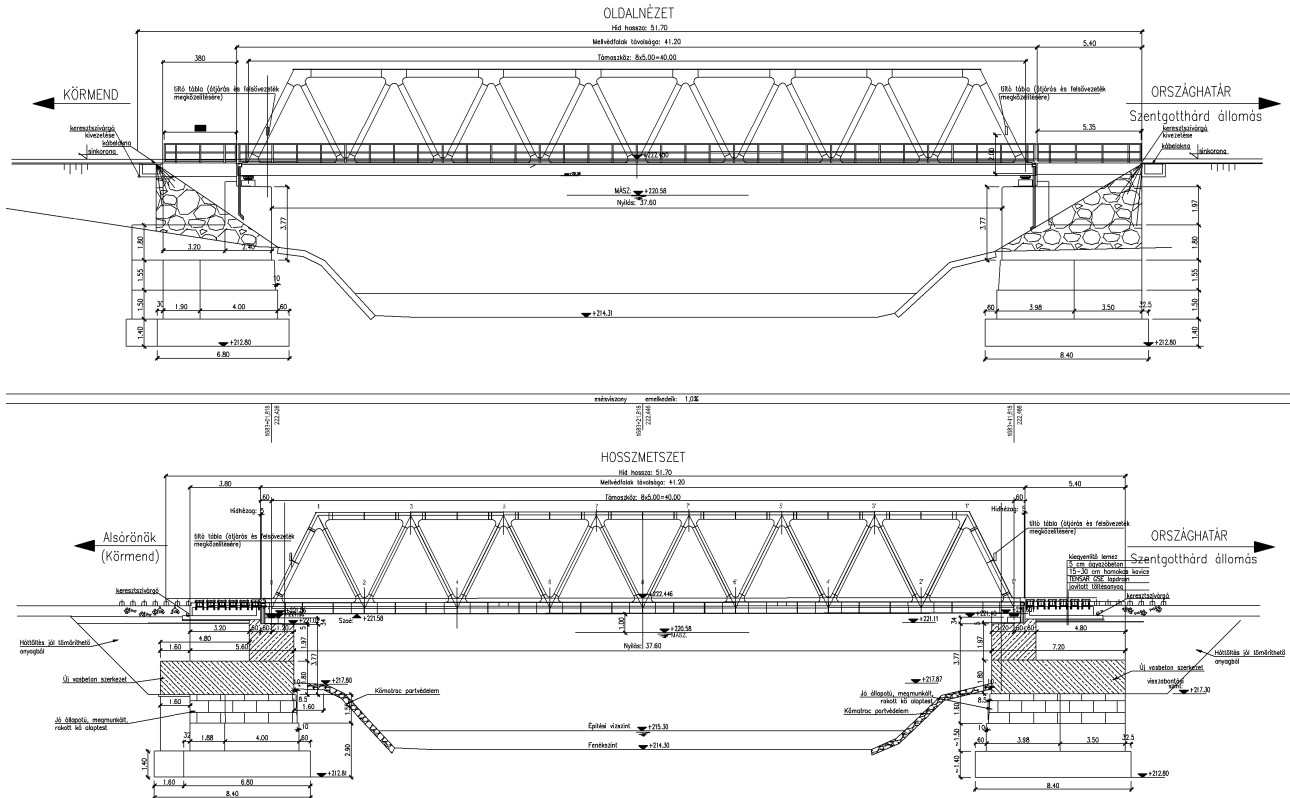


## BRIDGE AND STRUCTURAL DESIGN

### Szombathely-Szentgotthárd Railway line

### Railway bridge

Hungary



**Client:**  
GYSEV C. C. LTD.

**Technical data:**

Span: 40 m  
Width of the bridge: 8360 mm  
Design period: 2008-2010

**Consultancy services provided:**

Design for Approval: June 2008  
Execution design: April 2009  
Technical supervision: April 2010

The original bridge built more than 50 years ago became obsolete both from the point of view of structure and flood protection. Hence, the superstructure of the bridge was to be changed completely within the frame of the reconstruction project of the railway line Szombathely-Szentgotthárd.

The superstructure designed by our company has the following technical features: simply supported structure, steel lattice girder structure provided with orthotropic bridge deck lower boom. The deck slab provides the upper boom plate of the lower flange members, longitudinal members and transverse girders.

The new superstructure necessitated new abutments.

The railway line is a single track line, connecting to the superstructure with direct rail fastening (EDILON).