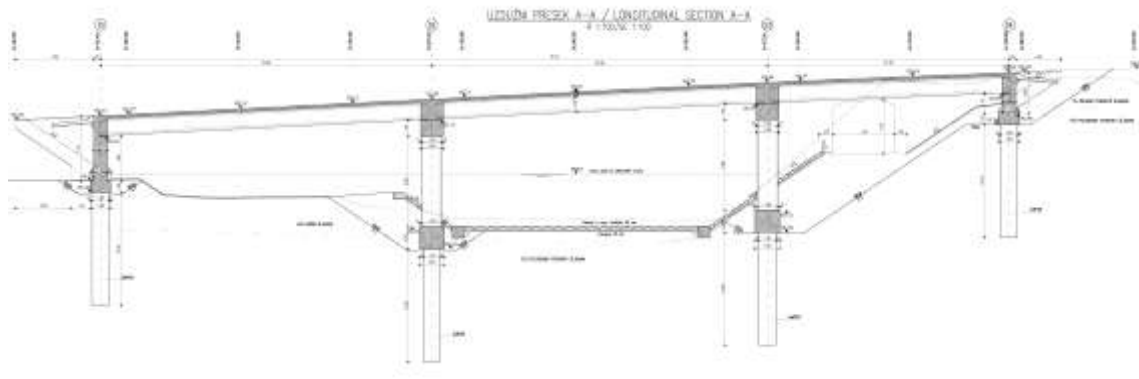


🇷🇸 HIGHWAY E80, SECTION CRVENA REKA - CIFLIK, SERBIA TENDER DESIGN, CONSTRUCTION CONSULTATION

CONSTRUCTION: AKTOR S.A.

STRUCTURAL DESIGN: KANON CONSULTING (2011)

The project consists of two separate parts along European Highway E80. Various structures are met within this approximately 12.7km long section, the most important of which are two double branch bridges. The former has a length of 500.0m per branch and bridges the Nisava River, a railway line and rural roads, while the latter has a length of 475.0m per branch, it is curved in plan with a curvature radius of 750.0m and it similarly intersects a railway line and Nisava River. Both bridges are to be constructed of precast prestressed beams, rigidly connected together with the pier cap by an integral massive cross-beam at the ends of the successive grids.



Longitudinal section of a three span bridge

"Kanon Consulting" was assigned the check of the design by the construction company awarded the project. The scope of work involved the investigation of the validity and efficiency of the design in terms of constructability and the preparation of alternative proposals optimizing the construction time and cost.