

Abstract

This work contains the information about the Prackovice tunnel, tunnel across the České středohoří highland on highway D8, geological structure of the area, advanced works and the process of construction. The work also includes a 2D numerical analysis of the Prackovice tunnel using the finite element method. Parametric study and back analysis were carried out, therefore an original model could be modified to comply with the results of geotechnical monitoring. This led to better compliance between the model and reality.