

Adrian Kaźmierczak, Jolanta Maria Radziszewska-Wolińska: Design Requirements for Railway Tunnels

As part of the project carried out by the Railway Research Institute entitled “Technical Standards – Detailed technical conditions for the construction of the railway infrastructure of the Central Railway Transport Hub – Design guidelines”, a documentation was prepared, in which Volume III.2 Tunnels contains guidelines for undertaking works on designing new railway lines and their construction. The article describes aspects of the railway tunnels design taking into account construction requirements and issues significantly affecting the safety of use of these structures.

Keywords: tunnel systems, portals, fire safety of tunnels, evacuation, ventilation, rolling stock