

Eugeniusz Skrzyński: Subsidence of Soil Track Bed

The classic ground track bedding in the form of embankments and cuttings is the proven support of the surface of conventional railways, both operated at relatively low train speeds, as well as high-speed lines. The article lists the causes of subsidence of the ground subgrade, the impact of subgrade subsidence on the deformation of the railway surface, the effects of pressing ballast into fine-grained subgrades and the most frequently used methods for preventing subsidence of the subgrade. It offers recommendations of railway constructors, both former ones, including prof. A. Wasiutyński, as well as contemporary ones.

Keywords: railway infrastructure, soil subsidence, settlements