

ABSTRACT

This thesis considers some issues regarding geotechnical monitoring of settlement of subsoils on roads, highways in the Czech Republic. The first part try to explain process of construction embankments with following standards and prescriptions. Second part belongs to geotechnical monitoring of settlement of subsoils, where author had selected 7 measuring profiles for further work on archive exploration. From these exploration were excluded information about exact location. Third part is creation of 9 geotechnical models in 2D - Plaxis software, comparison with real data and short part about using this kind of work for practice use.