



GPR Application for Road Management System in Slovakia

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Road Management System in Slovakia was established in 1996. Data for database are collected from Falling Weight Deflectometer, Skiddometer and Profilograph from 25 separated sections with average length of 30 km on yearly basis. The focus is especially on roads that have been built before the year 1996.

In September 2014 the Slovak Road Administration announced the new project task which involved additional data request such as structure thicknesses, application to determine the thicknesses of bound layers and base layers, rutting analysis, transverse and longitudinal roughness and cross fall, ditch depths, the road width and pavement width. The request for data processing included the interpretation of the data in graphical display. The requested delivery of the final project data was in December 2014.

The presentation summarizes the experiences and results of the data collection methods and technologies, data processing and evaluation methods and finally presenting the results. Also key new finding will be presented.