

INTERVENTION SOLUTIONS ON LANDSLIDES IN ROAD AREAS. CASE STUDY

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Abstract. In our country, there is a large variety of foundation soils, some of them having inferior characteristics to those necessary for the proper support of a communication path. This raises some of the most common problems in the field of road infrastructures, namely the sliding of slopes in the area related to road construction. This phenomenon appears more and more frequently, especially after some periods with accentuated atmospheric instability, sometimes leading to the partial inability to use the affected infrastructure sector. In some cases, the development of this phenomenon can lead to the traffic blockage and the isolation of the communities in the area, to the destruction of a well-defined road sector and even to the loss of human lives. In order to maintain the quality requirements imposed by the law and to limit the risk of reaching the limit state of normal operation, respectively of compromising the structure, the administrators and the staff who are directly involved in the maintenance and the expertise of the affected area, achieve direct examination works or investigation by means of specific observation and measurement. In the current practice, these works are part of the technical expertise of the affected area, being made by a specialized team, led by an authorized technical expert in the field.

Keywords: *consolidation solutions with drilled piles, investigations, landslide, monitoring, road sector*