

PROJECT: TRAFFIC NOISE



NOISE ASSESSMENT OF ROAD TRAFFIC
IN URBAN AND RURAL AREAS

A wide-angle photograph of a multi-lane highway stretching into the distance. On the right side, a long, green and grey noise barrier runs parallel to the road. The sky is clear and blue.

NOISE: COMPREHENSIVE APPROACH EVEN AT LARGE SCALE

Traffic as a noise source

Country: Serbia
Region: Braničevo, Nišava, Pčinja, Belgrade
Client: Road administration (J.P. Putevi Srbije)
Year: 2016
Duration: 2 months
Value: - - -

Background:

The Environmental Noise Directive (END) as well as other national regulations require regular traffic noise evaluation or evaluation in certain situations (e.g. in case of new investments in transport infrastructure). Such procedure makes it possible to define noise impact and through this - a number of inhabitants exposed to noise. With this knowledge it is possible to undertake proper actions in order to improve the state of acoustic climate.

Scope of work:

Project was divided into 4 tasks, each concerned road sections of different length and location. The project was adjusted to the client's needs and included basic elements like noise measurements, traffic flow factors, DTM and GIS data. Modelling and calculations were done using professional software (SoundPLAN®).