

Safety Assessment of Railroad Crossing in Snowy Cold Region

Naoki HATAKEYAMA Yumeko MIYACHI Yasushi KURIHARA

In snowy cold regions, the number of railroad level crossing accidents in winter is larger than that in other seasons, so that the weather condition like snowfall or snow coverage is considered to have a large influence on the occurrence of the accident. The previous studies have assessed safety of the railroad level crossings based on the equipment information which doesn't contain the information of weather conditions around. The purpose of this study, therefore, is to develop a method to assess the safety of railroad level crossing with due consideration on the factors of weather conditions. We have applied the method to a case study and improved its assessment precision.