

Study about pavement structure that contributes to alleviation of traffic vibration (1)

[Point]

This study is conducted for the review of prediction method of traffic vibration that is necessary for the review of vibration alleviating pavement that has alleviation effect of traffic vibration, and it has been conducted by cooperating with structure team. Pavement team conducted a study about prediction method of traffic vibration by modeling pavement structure. As a result, it was revealed that vibration caused by vehicle run could be organized by the relationship between vibration caused by a blow and surface texture, and that traffic vibration level could be easily predicted by using vibration level as well as road surface flatness (or international roughness index) when vibration was added by a blow.

Keywords: traffic vibration, vibration alleviating pavement, vibration level, flatness, vibration prediction