

## **Noise Reduction Effect of Low Barriers Installed Close to Rail**

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Recently, complaints about railway noise have increased from residents living in high-rise buildings facing railway tracks. However noise reduction at high places with conventional noise barrier is difficult, because the noise sources are visible directly from high-rise buildings. In this paper, the effect of low barriers installed close to rail on the noise is investigated. It is found through acoustic tests by using scale models and a test by actual railway that the noise at high places can be reduced by these types of the noise barriers . Finally, a prediction model of the effect of these noise barriers is proposed based on the results of the tests.