

# Low noise for long-distance jumpers used in rail transit



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Therefore, this section will collectively discuss rail transit within urban settings to systematically attribute and analyze the ground-borne vibrations and noise induced by rail operations.



Today, resilient Slab Track Mats are in use at many Metro and Light Rail Systems around the world, especially in applications where tunnels or bridges create ground-borne noise.



This Special Collection seeks to gather recent research findings in the realm of noise and vibration control, with a specific focus on rail transit.



The study offers systematic overview of the mechanisms, evaluation, and mitigation of noise and vibration in Metro Rail Transit Systems (MRTS) and high-speed rail corridor. It discusses ...



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Specifically engineered for use directly on rail tracks, Decidamp RTD provides an effective way of reducing rail vibration, and consequently airborne noise, produced by passing trains.



There would be FTA moderate noise impacts from each of the mainline track options from the South 336th Street or South 344th Street alternatives to the Federal Way Transit Center. All exceedances ...



For non-FRA personnel, permission to be on or near railroad equipment or in a rail yard must be gained from the appropriate railroad official prior to the noise measurements, and shall be reconfirmed with ...



Three numerical examples are presented to simulate wheel-rail impacts, frictional instability, and flange contact, respectively; and Rayleigh waves are observed in the simulation results.



The report explores various noise mitigation options for railways, highlighting both widely used methods like noise barriers and more controversial ones such as rail dampers, acoustic rail ...



The near-rail noise barrier is a noise reduction measure, which is composed of metal structural parts, back plates and sound absorbers, and can be used to absorb and isolate the noise generated by rail ...



Noise barriers for transportation systems are typically used to attenuate noise at the receiver, potentially reducing received sound levels by 5 to 15 dB, depending upon barrier height, length, and distance ...



Method A is a quick and easy calculation method designed for simple situations with few noise sources. Methods B and C are recommended for rail activities that are complex in nature with multiple noise ...

## Contact Us

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