

HS2 SOUND, NOISE AND VIBRATION: Noise Insulation and Heritage Buildings

Planning Forum Sub Group – Heritage

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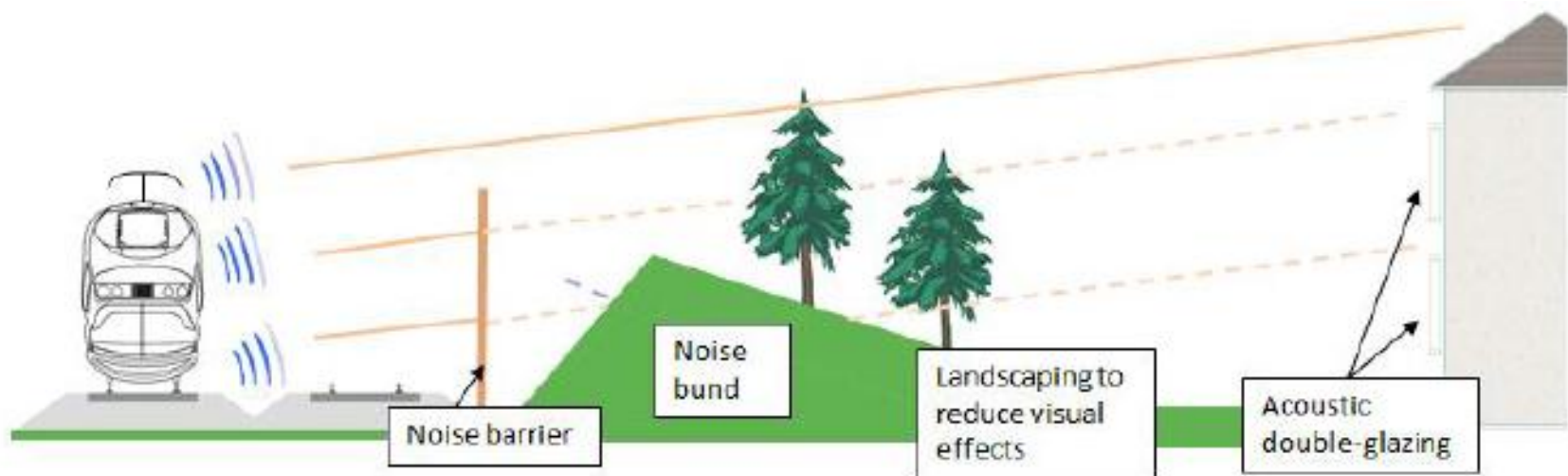
Noise insulation and heritage buildings

- Controlling noise from construction and operation of the railway
- Noise Insulation eligibility
 - Overview
 - Process for determining eligibility
 - Heritage buildings are eligible

Controlling noise impacts from construction

- Section 61 consents with local authorities
- Best Practicable Means - Quiet plant, screening
- Noise Insulation
- Temporary rehousing

Controlling noise impacts from operational railway



Overview of noise insulation eligibility

- Construction phase
 - Mitigate temporary adverse effects arising from construction activities
 - Eligibility predominantly expected in urban areas
- Operational phase
 - Mitigate permanent adverse effects from the operation of the proposed scheme (rail and road)
 - Eligibility predominantly expected in country areas
- Components of noise insulation package
 - Glazing (normally secondary glazing)
 - Ventilation
 - Window blinds to control solar gain

Process for determining eligibility

- Construction phase
 - No duty under NIR – discretionary criteria set by NU
 - NU identifies eligibility once detailed construction plans are in place
 - Aim to install noise insulation before the start of the works giving rise to qualification
 - Additional properties may be identified as construction progresses
- Operational phase
 - Duty to insulate under Noise Insulation Regulations
 - Timescales set out in regulations require offers to be made no more 6 months after opening
 - Additional discretionary criteria to mitigate night noise effects

Challenges with noise insulation for heritage buildings

- Forward planning
- Listed Building consent
- Develop/agree individual noise insulation schemes
- Approach for temporary and permanent insulation packages
- External façades and ventilator units

Noise insulation and heritage buildings

Questions?