



## Noise Assessment and Expert Noise Evidence in Relation to a Residential Development in Clitheroe

### Background

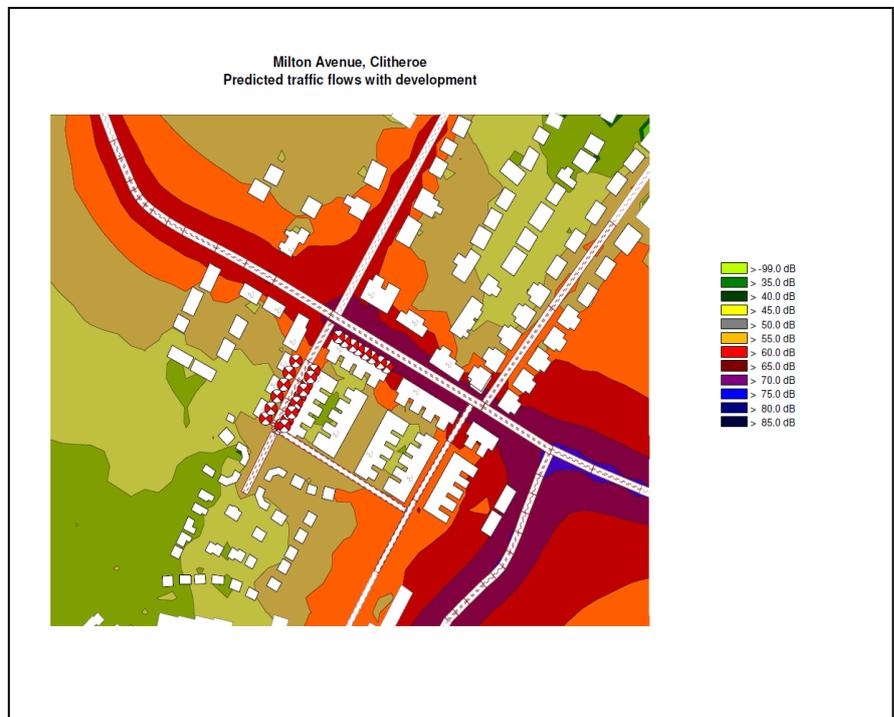
Miller Goodall Ltd (MGL) was appointed to undertake a noise impact assessment for the development of a greenfield site in Clitheroe. The site was approximately 1.23 hectares in size and was being considered for residential use involving the erection of 50 dwellings.

An outline planning application for the development was refused permission in July 2012, as the Local Authority considered that it would have an adverse impact on the operation of the highway network to the detriment of highway safety, and to the general amenity of the area. MGL was asked to carry out an assessment to address the issue of potential noise impact resulting from road traffic associated with the development, to be presented at a public planning inquiry.

### Action Taken

Access to the development site passed along a residential street (Milton Avenue) lined with terraced properties, and there was potential for noise from vehicles accessing and egressing the site to impact upon local residents.

Measurements of existing noise levels on Milton Avenue were made, and the potential increase in road traffic noise levels as a result of the development was predicted in accordance with the standard methodology "Calculation of Road Traffic Noise" using noise modeling software. The measurements were also used to validate the predicted baseline conditions. This subjective impact assessment was then evaluated in accordance with the methodology within the Design Manual for Roads and Bridges and compared against guidance within BS 8223.



The assessment concluded that the predicted increase in noise levels equated to a 'negligible' or 'minor' impact for the majority of residents. The impact for residents of two properties on Milton Avenue was predicted to fall within the 'moderate' range. Absolute noise levels at properties on Milton Avenue due to road traffic created by the development were predicted to be within the 'reasonable' category for habitable rooms with windows open, and with windows closed would meet the 'good' criteria as described in BS 8223. No additional mitigation measures to control noise were recommended.

### Summary of Findings

The noise assessment was presented to the planning inquiry and MGL provided expert evidence on the noise impact of the site. The site was subsequently granted planning permission by the inspector.

For more information about us, visit our website at [www.millergoodall.co.uk](http://www.millergoodall.co.uk). If you would like to discuss how we can help your project, please contact Miller Goodall on 01204 596166 or email [info@millergoodall.co.uk](mailto:info@millergoodall.co.uk).