

# Noise Impact Assessment M5



Bovis and Westbury Homes were seeking to obtain planning permission for a large new development at the edge of Gloucester, on the east side of the M5.

The local planning authorities, the application site spanned the planning boundary, required a detailed noise impact assessment and the adoption of suitable mitigation measures to ensure that the amenity of future residents was not adversely affected. Noise from the development traffic needed to be assessed across the network.

Noise from the M5 was measured, and predicted across the site and inside proposed housing using appropriate methods. Detailed predictions were provided for the three local authorities involved.

Noise attenuation measures were adopted including:

The erection of a landscaped 6m bund running parallel to the motorway; and

Incorporation of noise attenuation measures in houses on exposed elevations.

Further work was commissioned to help refine the bund design to allow for service access, including a light-weight section over an oil filled insulated power cable and integration with the existing features on the site.

