

Noise (at Wetherby)



A noise model has been developed to demonstrate changes in noise due to the scheme. The model assumes high traffic growth.

Extensive measures will be taken to minimise the impact of traffic noise. Low noise surfacing will be used for the new road construction to reduce the effects of noise on nearby settlements. Noise fences and mounds will be provided at the key locations to further reduce the effects of noise.



At Wetherby mitigation is proposed at the following locations:

- A 500m long, 3m high barrier along the Local Access Road (LAR) to the north of Sandbeck Lane
- A 100m long, 3m high extension to the north of the existing noise fence near to York Road
- A 750m long, 2m high noise fence between the LAR and the A1 to the east of Wetherby
- A 500m long, 3m high noise fence to the south of the existing noise fence extending down to the Walton Road roundabout
- A 200m long, 3m high mound between the A58 and A1 to the south of Wetherby.
- Use of low noise surfacing on the A1 and LAR around Wetherby

Details of these measures are shown on the Environmental Masterplan.



Traffic Noise is measured on a decibel scale.

Typical levels vary from 30dB in a quiet suburban bedroom to 80dB alongside a busy street

- A change of 3dB will be readily perceptible
- A change of 10dB might be described as "twice as loud" or "half as loud".

In Wetherby, a decrease in noise is predicted for the majority of properties overlooking the A1 and the local access road. However, some properties will be subject to small noise increases. These are confined to link roads to the north of Wetherby where increased traffic flows are predicted.

In Wetherby, 1101 properties were assessed.

- 757 properties would experience at least a 1dB increase with the scheme. Of these, 724 would be perceptible (1<3dB) and 33 would be slight (3<5dB) noise increases.
- 92 properties would experience at least a 1dB decrease in noise, of which 84 would experience a perceptible decrease (1<3dB), 4 would experience a slight decrease (3<5dB) and 4 would experience a moderate (5<10dB) decrease.

