

## **Appendix 11 - Noise Modelling**

### *Data sources*

OS base mapping: OS Land Line tiles provided by SW Glasgow 02/11/06 and 17/11/06

Ground topography along A77 and surrounding area: 'BASE\_3D\_181006.dwg' provided by SW Glasgow 26/10/06

Wider area topography: 'a77\_contour.dxf' provided by SW Glasgow 06/11/06

Symington junction 3D alignment: 'SYMINGTON 3D 070105.DXF' provided by SW Glasgow 05/01/07

Bogend Toll junction 3D alignment: 'BOGEND 3D 061207.DXF' provided by SW Glasgow 07/12/06

Whitelees link road 3D alignment: 'WHITELEES\_3D\_181006.dwg' provided by SW Glasgow 26/10/06

Existing building heights estimated from site visit

Traffic data: Baseline - 'Base Model Data - revA.xls' provided by SW Glasgow 23/11/06. Operational - 'a77 Design Model Data SK04D.xls' provided by SW Glasgow 11/12/06 amended 05/01/07

### *Modelling assumptions*

Ground Absorption: 0.75 (road surfaces hard ground 0.0)

Calculation height: 4m above ground