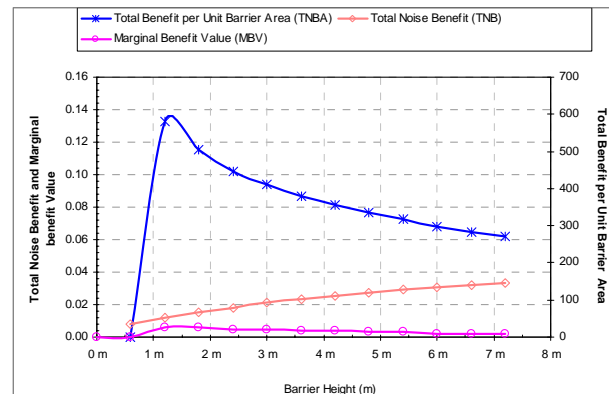
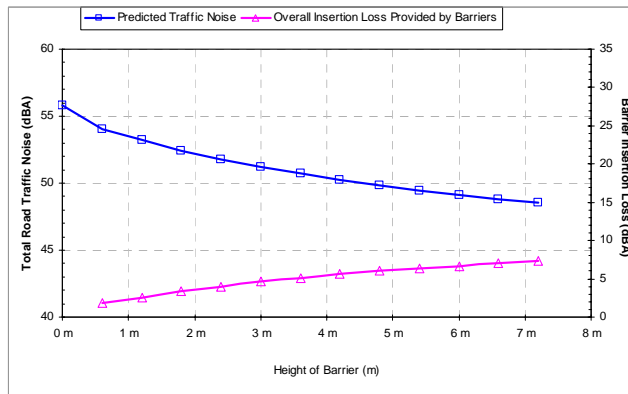
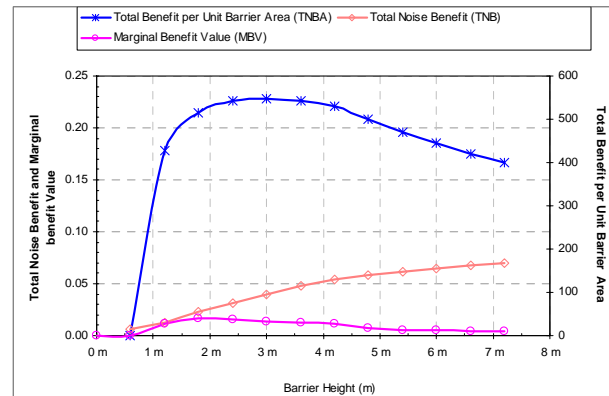
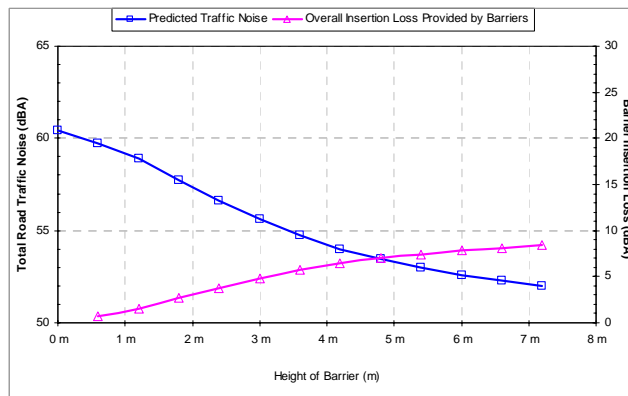


NW-W-1001



NW-W-3001



The **Total Noise Benefit (TNB)** for each barrier height option is the sum of the dBA reductions achieved (taking account of all road traffic noise sources) at all residences and other noise sensitive receivers within each segment for each barrier height.

The **Marginal Benefit Value (MBV)** for a particular barrier height option is the increase in Total Noise Benefit (TNB) divided by the increase in barrier height or area. The methodology assumes barrier costs are proportional to barrier areas and are hence proportional to barrier heights, even though other factors such as barrier material will also have an influence on costs.

The **Total Benefit per Unit Barrier Area (TNBA)** is the Total Noise Benefit (TNB) divided by the total area of the barrier in the road section being examined.