



Sensitivity Factors

Risk & Optimism Bias Factor	0.38
Discount Factor	0.035
Years to Discount	9
% Reduction in Roadworks	5

Benefits

Quantified Annual Repeat Benefits (2002 Prices)	Projected Annual Benefit	Adjusted Annual Benefit
Consumer User Benefits	£4,503,821	£4,503,821
Business User Benefits	£4,165,530	£4,165,530
Accident Benefits	£1,081,082	£1,081,082
Fuel Carbon Emission Benefits	£70,887	£70,887
Indirect Tax Revenue Benefits	-£205,354	-£205,354
Subtotal Quantified Annual Repeat Benefits (2002 Prices)		£9,615,966
Annual Repeat Permit Fee Income (2011 Prices)		£1,886,737
Annual Repeat Permit Fee Income (2002 Prices)		£1,384,357
Present Value of Benefits (2002 Prices)		£11,000,323
Net Present Value of Benefits (25 Years Operation)		£275,008,084

Costs

One-off Implementation Costs (2011 Prices)	Total
Employees	£0
Capital	£0
Resources	£310,795
Systems	£27,000
Subtotal One-off Costs (2011 Prices)	£337,795
Subtotal One-off Costs including Risk & Optimism Bias (2011 Prices)	£466,157
Present Value of One-off Costs (2002 Prices)	£342,034
Annual Repeat Costs (2011 Prices)	Annual Cost
Operating Costs (Statutory Undertaker Works)	£2,692,330
Operating Costs (Highways Works)	£1,786,396
Subtotal Annual Repeat Costs (2011 Prices)	£4,478,726
Subtotal Annual Repeat Costs including NO Risk & Optimism Bias (2011 Prices)	£4,478,726
Present Value of Annual Repeat Costs (2002 Prices)	£3,286,180
Net Present Value of Costs (Implementation + 25 Years Operation)	£82,496,533

Summary

Net Present Value of Benefits (Implementation + 25 Years Operation)	£275,008,084
Net Present Value of Costs (Implementation + 25 Years Operation)	£82,496,533
Net Present Value of Permit Scheme (Implementation + 25 Years Operation)	£192,511,551
Benefit to Cost Ratio (BCR)	3.33