



Sunderland City Council

Permit Scheme

In accordance with the Traffic Management Act 2004

Cost Benefit Analysis Executive Summary

Executive Summary

To calculate the benefits of the Permit Scheme Sunderland City Council has utilised the calculator provided by the Department for Transport

The assessment has been carried out for the 2018 base year and a design year of 10 years

Number of works per annum 6682

Number of works required traffic control 1207

Average works duration 8 days

Operational summary;

Number of personnel required, 5

Number currently employed on noticing, 0.8 full time equivalents

Permit Scheme annual operating cost, £560k

Permit Scheme annual revenue, £373k

Cost Benefit Analysis;

Assumed saving in annual cost of works, 5%

Optimism bias added to all costs, 15%

Scheme operational costs increase at 2% year on year

Benefits

Type	Benefits from decrease in congestion costs
Business	
Journey Time Savings & reliability	£416,882
Non-Business	
Journey Time Savings & reliability	£366,243
Accident	£7,265
Fuel Carbon	£39,591
TOTALS	£829,981

Net Present Value	£54,799
Net Present Costs	£1,148,277
Net Present Benefits	£1,203,075
Benefit to Cost Ratio	1.05

The objective of this cost benefit analysis was to present the anticipated cost to benefit ratio and Net Present value for introducing a permit scheme on the Sunderland Network.

Sunderland City Council is keen to use the scheme to incentivise the works promoters to reduce durations and the number of road works in the short and longer term.

In summary if a net reduction in delay and user costs of 5% was realised the BCR would be 1.05 increasing over a ten year period which is an overall benefit to the road users.

The cost benefit does not include any of the benefits that can't be easily identified in analyses such as these. Asset protection, better co-ordination, pedestrian delays are factors which could only serve to push the factors up higher but cannot be easily quantified.