Road Activities Permit Scheme
For Road Works and Street Works

In accordance with the Traffic Management Act 2004

Cost Benefit Analysis
Executive Summary

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To calculate the benefits of the Permit Scheme Darlington Borough 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 2839
Number of works required traffic control 827
Average works duration 7.1 days

Operational summary;

Number of personnel required, 2
Number currently employed on noticing, 0.75 full time equivalents
Permit Scheme annual operating cost, £297,978
Permit Scheme annual revenue, £170,949

Cost Benefit Analysis;

Assumed saving in annual cost of works, 5%
Optimism bias added to all costs, 15%
First year scheme operational cost £297,978
Scheme operational costs increase at 2% year on year

Benefits to economy

Type	**Benefits from decrease in congestion costs**
Business	
Journey Time Savings & reliability	£531,563
Non-Business	
Journey Time Savings & reliability	£466,993
Accident	£9,263
Fuel Carbon	£50,483
TOTALS	**£1,058,302**

Net Present Value	£640,096
Net Present Costs	£589,155
Net Present Benefits	£1,229,251
Benefit to Cost Ratio	2.08

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 Darlington Network.

Darlington borough 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 2.08 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.