

2007/08 Local Safety Schemes

The sites are ranked on their predicted First Year Rate of Return (FYRR) values. This looks at the cost effectiveness of the proposed measures by comparing the initial cost of the scheme against the predicted accident saving benefit.

The minimum cost of a personal injury accident is currently calculated at £ 89,820.

(Source: Table 4a. - Department for Transport – Highways Economic Note No.1: 2005 Valuation of the Benefits of Prevention of Road Accidents and Casualties. Issued January 2007)

SITE LOCATION	3 Year Accident Total	ISSUES TO BE ADDRESSED/ PROPOSED ACTIONS	Estimated cost	3 Year Predicted Accident Reduction No. of accidents saved (% of total)	Estimated value of first year Savings	First Year Rate of Return (%)	Comments
Bootham/ Bootham Terrace/ Grosvenor Terrace Junction	9	6/9 accidents involve VRU's. PTW's involved in 4/9 accidents. Poor channelisation of traffic on Bootham. Street lighting and surfacing to be checked.	£2,000	0.75 accidents (8%)	£22,455	1,122%	Centreline marking to be added from Burton Stone Lane to Grosvenor Terrace.
Monkgate/Penleys Grove Junction	4	3 of 4 accidents involved vehicles right turning into Penleys Grove from Monkgate.	£2,500	0.75 accidents (18.75%)	£22,455	898%	Add staggered 'keep clear' marking to give improved sight line for right turners.
A59/ Northfield Lane	5	Significant problem of collisions involving right turners from Northfield Lane	£1,500	0.375 accidents (7.5%)	£11,227	748%	More prominent advance direction sign warning of staggered junction ahead.
Link Road/ Haxby Road	5	High proportion of wet accidents. Advance warning of roundabout should be improved.	£3,000	0.375 accidents (7.5%)	£11,227	374%	Improve advance warning signing for the junction and check quality of road surfacing.

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University Road/ Green Dykes Lane/ Thief Lane	4	No obvious patterns in accidents. Junction congested in peaks. Improving sight lines would be beneficial.	£3,000	0.375 accidents (9.0%)	£11,227	374%	Lay 'keep clear' road markings in the northbound lane to improve sight lines in times of congestion.
Moor Lane/ Tadcaster Road Roundabout	8	High proportion of accidents involving cyclists.	£7,500	0.75 accidents (9.0%)	£22,455	300%	Provide connectors from on-road advisory cycle lanes to off-road cycle system where appropriate.
Peckitt Street/ Tower Street/ Clifford Street	5	High proportion of accidents involving southbound cyclists.	£10,000	0.75 accidents (15.0%)	£22,455	224%	Remove dedicated left turn lane southbound on Clifford Street, build out footway and add southbound advisory cycle lane.
Boroughbridge Road/ Poppleton Road/ Water End	6	High proportion of dark accidents. Better channelisation and positioning of right turners in the signalised junction required.	£3,000	0.75 accidents (12.5%)	£22,455	748%	Additional right turning pockets within the signalised junction.

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Clifton Moorgate/ Water Lane	5	40mph road. High proportion of accidents involving right turners from Clifton Moorgate into Water Lane.	£25,000	0.75 accidents (15.0%)	£22,455	90%	Amend method of control to separately control right turn from Clifton Moorgate into Water Lane. Relocate crossing and refuge island on Clifton Moorgate to improve right turn reservoir.

TOTAL ESTIMATED COST

£57,500