

APPENDIX 1 – Intervention Levels

The following intervention levels, for typical highway defects will be adopted by the County Council: -

Item		Defect	Intervention Level
Carriageway		Pothole, spalling, rutting, gap/crack	40mm deep and more than 300mm wide in any horizontal direction
		Surface Crowning	75mm high and less than 300 mm wide
Pedestrian Crossing		Trip, pothole	20mm high/deep
Footway		Trip, pothole, sunken covers, rocking flags, tree root damage etc	20 mm high/deep
		Open joint	More than 25mm wide and more than 25mm deep
		Depression	More than 25mm deep and less than 600mm wide in any horizontal direction
Cycleway	A	Pothole, trench or other abrupt level difference	40mm high/deep
	B	Pothole, trench or other abrupt level difference	20mm high/deep
	C	Pothole, trench or other abrupt level difference	40mm high/deep (where metalled)
Iron Works	C'way	Missing cover or damaged cover	Yes
		Level difference within framework/sunken cover	40mm
	F'way	Missing cover or damaged cover	Yes
		Level difference within framework/sunken cover	20mm
Verges		Sunken area	150mm adjacent to footway or carriageway
Drainage	C'way	Standing Water caused by blocked gullies leading to network restrictions	Yes
	F'way	Standing Water caused by blocked gullies leading to network restrictions	Yes
Road Markings		Worn, faded or missing markings	30% loss
Road Studs		Missing Stud or displaced reflector	Yes
Signs, bollards, lights and traffic signals		Damaged or misaligned item causing a hazard	Yes
		Missing item causing a hazard	Yes
		Lights or signals not operating correctly or malfunctioning	Yes
		Signals pointing the wrong way/signal light failure	Yes
		Items obscured by trees or hedges etc	Yes
		Item dirty or faded	Yes
Safety Fences and Barriers		Damaged or misaligned item causing a hazard	Yes

Appendix 2 – Risk Assessment

Each defect identified in Appendix 3 has been assessed to determine the associated risk, which depends on a number of factors including the category of the road or footway and the type and speed of traffic using the road. The overall risk has been evaluated through an assessment of the likely impact, should the risk occur and the probability of the impact occurring.

Risk impact is quantified on a scale of 1 to 4, as follows: -

- 1 – Little or no impact
- 2 – Minor or low impact
- 3 – Negligible impact
- 4 – Major, high or serious impact

Risk probability is a measure of the identified impact occurring and is also quantified on a scale of 1 to 4, as follows: -

- 1 – Very low probability (up to 20%)
- 2 – Low probability (21% to 40%)
- 3 – Noticeable probability (41% to 75%)
- 4 – High probability (over 75%)

The overall risk factor is the product of the risk impact and the risk probability and so falls into the range 1 to 16. The response category is determined by correlation with the risk factor, as shown in the following table: -

Impact	Probability			
	Very Low (1)	Low (2)	Medium (3)	High (4)
High (4)	4	8	12	16
Noticeable (3)	3	6	9	12
Low (2)	2	4	6	8
Negligible (1)	1	2	3	4

Response Category	2(L)	2(M)	2(H)	1
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The table will also be used to carry out a dynamic risk assessment, to determine the risk factor and associated response times for defects not identified in Appendix 3.