



CARRIAGEWAY INSPECTIONS

Matrix Score = Impact x Probability	Potholes (Trenches, Paviers, Setts & Flagstones)				Flooding		Edge Damage Unkerbed Only (*1)		Loose Material, etc.		Excessive smoothness etc.	Road Markings		Defective Ironwork - missing, broken, tilted etc.								Kerbs & Channels (*2)				Road Studs & Cats-Eyes		Trees & Vegetation			
	The depth of the pothole is covered below. The minimum dimensions at surface level should be 50 x 100mm, or a single segment or greater of a Pavier, Sett or flagstone.				Flooding in carriageway >half lane width	Flooding in carriageway >quarter lane width	Road edge breaking, falling away so as to be hazardous (>65mm), minimum 100mm width	Road edge extensive cracking breaking and falling away, likely to worsen in short-term (>50mm) minimum 150mm width	Of sufficient spread & depth to require immediate action	Small accumulations that could become a hazard if left	Glossy especially in wheel tracks at bends, junctions & approaches to signals & crossings	50 to 100% worn or missing hazard marks	30 to 50% worn or missing	Gullies, Manholes and Public Utilities Apparatus								The depth of the defect is covered below. The minimum dimensions at surface level for missing, broken or vertical face defects should be 50 x 100mm				Displaced / laying on the running surface	Insecure / loose	Obstructions		Roots - surface damage over 1.0m	
	> 65mm in marked lanes and at recognised crossing points	>50mm with the likelihood of worsening in short term. Advanced local crazing likely to pothole	Localised settlement or deformation in the surface >65mm within 1m width	Localised settlement or deformation in the surface >50mm within 1m width										Missing Ironwork	Cover - Part missing cracked or rocking. >30mm high or low, or moving in frame	Cover - Part missing cracked or rocking. >20mm high or low, or moving in frame	Frame - Part missing cracked or rocking. >30mm high or low, or moving in frame	Frame - Part missing cracked or rocking. >20mm high or low, or moving in frame	Depressed surface >65mm within 1m of Ironwork	Depressed surface >50mm within 1m of Ironwork	Gully blocked - not taking water or draining slowly (Wet or dry conditions)	Missing or broken > 65mm vertical face	Missing or broken > 50mm vertical face	Displaced or rocking high or low from vertical or horizontal alignment, face >65mm	Displaced or rocking high or low from vertical or horizontal alignment, face >50mm			Obstructs or obscures safe passage over the highway	Nuisance to highway users	>65mm high or low	>50mm high or low
Carriageway Network Categories	In line with path of traffic (High risk of vehicle interaction)	1	2	1	2	1	2	1	2	2 (*3)	2	4	1	1	2	1	2	1	2	2	2	2	2	2	1	3	1	4	1	2	
	Adjacent to path of traffic (Medium risk of vehicle interaction)	2	2	2	2	2	3	2	3	3	4	4	1	2	2	2	2	2	2	2	4	2	3	2	3	2	4	2	4	2	2
	Other Carriageway areas (Low risk of vehicle interaction)	3	3	3	3	3	4	4	4	3	4	4	4	4	1	3	3	3	3	3	4	4	4	4	4	4	4	4	4	3	3

FOOTWAYS, CYCLEWAYS & HARDENED VERGE INSPECTIONS

Matrix Score = Impact x Probability	Potholes (Trenches, Paviers, Setts & Flagstones)						Flooding		Defective Ironwork - missing, broken, tilted etc.								Kerbs, Channels & Edgings				Trees & Vegetation							
	The depth of the pothole or trip is covered below. The minimum dimensions at surface level should be 25 x 50mm, or a single segment or greater of a Pavier, Sett or flagstone.						Flooding in footway, full width	Flooding in footway >half width (Minimum 1m clear footway)	Gullies, Manholes and Public Utilities Apparatus								The depth of the defect is covered below. The minimum dimensions at surface level for missing, broken or vertical face defects should be 25 x 50mm				Obstructions		Roots - surface damage over 500mm		Tree Pits - Missing Tree		Tree Pits, Grills & Other Guards - Minimum size 25 x 50mm	
	>25mm deep or raised	>20mm deep or raised, with the likelihood of worsening in short term.	Difference in level of the surface >25mm within 0.5m width	Difference in level of the surface >20mm within 0.5m width	Deformation in the surface >50mm within 0.5m width	Deformation in the surface >25mm within 0.5m width			Missing Ironwork	Broken covers and frames. Upstand or depressed >25mm	Frame or Cover; cracked, missing, part missing or rocking. >25mm high or low in frame	Frame or Cover; cracked, missing, part missing or rocking. >20mm high or low in frame	Depressed surface >25mm within 0.5m of Ironwork	Depressed surface >20mm within 0.5m of Ironwork	Gully blocked - not taking water or draining slowly (Wet or dry conditions)	Missing or broken > 25mm vertical face	Missing or broken > 20mm vertical face	Displaced or rocking high or low from vertical or horizontal alignment, face >25mm	Displaced or rocking high or low from vertical or horizontal alignment, face >20mm	Obstructs or obscures safe passage over the highway	Nuisance to highway users	>50mm high or low	>25mm high or low	Depth of hole >25mm	Depth of hole >20mm	High or low defects with a vertical face >25mm	High or low defects with a vertical face >20mm	
Footway Network Categories	In line with pedestrian / cycle path (High risk of interaction)	1	2	1	2	1	2	1	2	1	1	1	2	1	2	2	1	2	1	2	1	4	1	1	1	2	1	2
	Adjacent with path of pedestrian/ cycle (Medium risk of interaction)	2	2	2	2	2	2	2	3	1	2	2	2	2	2	4	2	2	2	2	2	4	1	2	2	2	2	2
	Other Footway areas (Low risk of interaction)	4	4	4	4	4	4	3	4	1	4	4	4	4	4	4	4	4	4	4	4	4	2	4	4	4	4	4

NOTES

- *1 Deterioration with in the edge of a kerbed road is categorised as a general pothole
- *2 Carriageway with no footway, but to include un-pedestrianised central reserves
- *3 Refer to Asset management Team & provide "Slippery Road Surface" warning signs

Risk Matrix - Extracted from Well Maintained Highway: Table 5 (p.98) - Code of Practice for Highway Maintenance July 2005

IMPACT	PROBABILITY			
	Very low (1)	Low (2)	Medium (3)	High (4)
Negligible (1)	1	2	3	4
Low (2)	2	4	6	8
Noticeable (3)	3	6	9	12
High (4)	4	8	12	16

RESPONSE CATEGORIES			
Category 4 Response	Category 3 Response	Category 2 Response	Category 1 Response



STREET FURNITURE INSPECTIONS - BOLLARDS, SIGNS & UTC, ETC

Matrix Score = Impact x Probability		Bollards - Non Electrical			Bollards - Electrical				Street Lighting		Signs & Nameplates			Barriers	Street Furniture - General	UTC			
		Cracked, leaning, missing or part missing	Adjacent Surfacing within 500mm		Not fixed to base or missing	Damaged or Leaning		Adjacent Surfacing within 500mm		Leaning or dangerous parts (e.g. exposed wiring)	Missing door cover	Leaning or Damaged	Lit, missing cover / exposed wiring	Missing, incorrect, faded, dirty or obstructed - An annoyance to highway users	Pedestrian, Vehicular and Cycle	Seats, Litter Bins etc.	Traffic Signals (Includes Pedestrian Crossings)		
Difference in height >25mm	Difference in height >20mm		Not lit	Lit		Difference in height >25mm	Difference in height >20mm	Red or Green Light Out	Damaged (e.g. exposed wiring or leaning)										
Footway Network Categories	In line with pedestrian / cycle path (High risk of interaction)	1	1	2	1	1	1	1	2	Located in Carriageway, Footway, Verge & Hardened Verge	1	1	1	1	4	1	1	1	1
	Adjacent with path of pedestrian/ cycle (Medium risk of interaction)	2	2	2	1	2	2	2	2		1	1	1	1	4	1	1	1	1
	Other Footway areas (Low risk of interaction)	3	3	3	2	3	3	3	3		1	1	1	1	4	1	1	1	1

NON HARDENED VERGE INSPECTIONS

Matrix Score = Impact x Probability		Potholes & Deformation								Trees & Vegetation		Defective Ironwork - missing, broken, tilted etc.							Bollards - Non Electrical		Posts - Moorland
		The depth of the pothole is covered below. The minimum dimensions at surface level should be 100 x 100mm				Deformation - within 1.0m width				Obstructions		Gullies, Manholes and Public Utilities Apparatus							These standards replace the above on Non-hardened verges only		Missing, badly damaged
Footway Network Categories		Verges retained by a kerb, pothole >100mm deep	Verges retained by a kerb, pothole >75mm deep	Un-kerbed Verges, pothole >150mm deep	Un-kerbed Verges, pothole >75mm deep	Verges retained by a kerb, change in level >100mm deep	Verges retained by a kerb, change in level >75mm deep	Un-kerbed Verges, changes in level >150mm deep	Un-kerbed Verges, changes in level >75mm deep	Obstructs or obscures safe passage over the highway	Nuisance to highway users	Missing Ironwork	Broken covers and frames. Upstand or depressed >25mm	Frame or Cover; cracked, missing, part missing or rocking. >25mm high or low in frame	Frame or Cover; cracked, missing, part missing or rocking. >20mm high or low in frame	Depressed surface >25mm within 0.5m of ironwork	Depressed surface >20mm within 0.5m of ironwork	Gully blocked - not taking water or draining slowly (Wet or dry conditions)	Difference in height >100mm, in the adjacent surface within 1.0m of bollard	Difference in height >75mm, in the adjacent surface within 1.0m of bollard	
Footway Network Categories	In line with pedestrian / cycle path (High risk of interaction)	1	2	1	2	1	2	1	2	1	4	1	1	1	2	1	2	2	1	2	2
	Adjacent with path of pedestrian/ cycle (Medium risk of interaction)	2	3	2	3	2	3	2	3	2	4	1	2	2	2	2	2	4	2	2	4
	Other Footway areas (Low risk of interaction)	4	4	4	4	4	4	4	4	4	4	1	4	4	4	4	4	4	3	3	4

Other than Carriageway, Footways, Cycleways, Hardened Verges and Non-Hardened Verges

GENERAL

Defects other than indicated in any other feature table		General Defects Specific to All Locations and Asset Types	
Defects such as land slippage, dangerous buildings and structures, etc.		Not-specific to any one Item	
Immediate or imminent hazard	Likely hazard	Any thing considered by the Officer to be an immediate or imminent hazard	Any thing considered by the Officer to be a likely hazard
1	2	1	2

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RESPONSE CATEGORIES			
Category 4 Response	Category 3 Response	Category 2 Response	Category 1 Response

Response Category	Description
CATEGORY 1 (Score 16)	A defect that exceeds the above intervention levels, requiring to be made safe, repaired or referred to external bodies within 24 hours. Those defects that have been actioned and are referred for further inspection, will be inspected by an appropriate officer as soon as is practicably possible, for further action to be determined and acted upon as required.
CATEGORY 2 (Score 9 to 12)	A defect that is lower than the Category 1 intervention level, but exceeds the lower intervention level as set out below, shall be repaired, referred within the Authority for further action required, or referred to external bodies, within 7 calendar days. Those defects that have had action taken, and are referred for further inspection, will be inspected by an appropriate officer as soon as is practicably possible, for further action to be determined and acted upon as required.
CATEGORY 3 (Score 6 to 8)	A defect that is lower than the Category 1 and 2 intervention level, and has a minor or low impact, with a low risk probability. This category is used at the discretion of the inspecting officer, for works that require completing within 28 days.
CATEGORY 4 (Score 1 to 4)	A defect that has a little or negligible impact, with a very low risk probability. This category can be used to identify locations that require further monitoring. The category is primarily to be used at locations where planned maintenance works are to be implemented, usually within 3 months of issue, subject to the availability of resources. This category is used primarily to assist the works teams or contractor with programmes