

Appendix 1:

A. Types of defects meeting the intervention levels (Extract from HISIM).

| Table 6.5 | | |
|---------------------|--|---|
| Item | Defect | Investigatory Level |
| carriageway | pothole/spalling | 40mm depth |
| | crowning | 50mm (area as NRSWA Code of Practice) |
| | depression | 50mm (area 2 sq.m) |
| | rutting gap/crack | 40mm |
| | sunken ironwork | 40mm depth (20mm wide) 25mm level difference |
| pedestrian crossing | trip/pothole | 25mm depth |
| footway | trip/pothole | 25mm depth |
| | rocking slab/block | 25mm vertical movement |
| | open joint | 25mm width × 200mm length (min depth 20mm) |
| | tree root damage/tree pits | 25mm trip |
| | sunken ironwork defective coal plates/basement lights etc | 25mm level difference 25mm trip |
| surfacing | missing/defective skid resistant carriageway | If present |
| | “bubbled” mastic asphalt footway | 25mm trip |
| kerbing | dislodged | 50mm horizontally |
| | loose/rocking | 25mm vertically |
| | missing | yes/no |
| ironwork | Broken/cracked cover likely to cause a hazard | If present |
| | worn/polished cover likely to cause a hazard | If present |
| | missing cover | If present |
| | leaking cover likely to cause a hazard | If present |
| | level difference within framework | 15mm |

| Table 6.5 | | |
|-------------------------------------|--|--|
| Item | Defect | Investigatory Level |
| drainage | missing gully blocked gully likely to cause a hazard broken/cracked gully grating likely to cause a hazard standing water in footway 1 hr after cessation of rainfall standing water in carriageway 1 hr after cessation of rainfall | If present If present If present full width of footway 1m width from kerb |
| private forecourt | hazardous defect | If present |
| private attributes | hazardous defect | If present |
| grass verge | Rutting | 75mm depth |
| road markings | faded/worn highway or parking markings | 30% loss of effective marking. Overlay height of 6mm. |
| signs/ bollards/ lights/ signals | damaged/misaligned item likely to cause a hazard missing item likely to cause a hazard defective item likely to cause a hazard obscured/dirty/faded item likely to cause a hazard exposed wiring missing door to lamp column signal lamp failure | If present If present If present If present If present If present If present |
| safety fencing and barriers | item damaged or misaligned likely to cause a hazard | If present |
| trees and vegetation | overhanging carriageway overhanging footway obstructing visibility low tree base in footway | exceptional circumstances 2.1m height clearance yes/no 50mm level difference |

| Table 6.5 | | |
|----------------------------|--|----------------------------|
| Item | Defect | Investigatory Level |
| highway general | oil/diesel spillage | 300mm diameter area |
| | | If present |
| | presence of ice | If present |
| | debris likely to cause a hazard | If present |
| | fly tip likely to cause a hazard | If present |
| | obstruction likely to cause a hazard | If present |
| | scaffolding likely to cause a hazard | If present |
| | hoarding likely to cause a hazard | |
| | defective skip/temporary structure likely to cause a hazard | If present |
| | defective reinstatement likely to cause a hazard | If present |
| | defective open excavation likely to cause a hazard | If present |
| | defective/damaged utility cabinet likely to cause a hazard | If present |
| | defective/damaged street furniture likely to cause a hazard | If present |
| | defective/damaged street name plate likely to cause a hazard | If present |
| | damaged/unstable overhead wires | |
| | Exposed electrical wires | If present |
| | | If present |
| | | If present |
| other danger to the public | anything else considered hazardous or dangerous | If present |

B. Network Examples for Intervention and Non Intervention Situations
Footway (Pavement)

Intervention level



Not at intervention level



Carriageway (Road)

Intervention level



Carriageway (Road)

Not at intervention level

