

Appendix 1 - Condition Grades

The survey uses a 1 to 5 conditional grading system on roads and footways – Grade 1 being best condition and Grade 5 being worst condition.

The purpose of this survey is to report the condition, including damage types, and to recommend treatments that would make the road or footway “As New”.

The different grades are shown by a different colour and the following images & descriptions are a guide for these 5 recorded condition grades:

Condition 1 “Free From defects” = Recently reconstructed or free from defects. – **LILAC**



Condition 2 “Signs of surface wear” = Good condition – may comprise modular construction with elements of different colour/age/material, Faded bituminous materials (especially coloured bituminous), Graffiti or Spray paint etc. – **BLUE**



Condition 3 “Mid-life” = Signs of defects i.e. cracking, fretting, potholes, subsidence etc – all defects below intervention levels. – **GREEN**



Condition 4 “Functionally impaired” = Signs of defects i.e. cracking, fretting, potholes, subsidence all defects above intervention levels – **AMBER**



Condition 5 “Structurally impaired” = As grade 4 together with major signs of defects to structural layers or compromised sub base visible – **RED**



Damage Types

The 5 main damage categories are:

1. Cracking
2. Fretting
3. Subsidence
4. Potholing
5. Reinstatements

If a section contains multiple types of damage such as cracking & fretting then all are recorded in the data file. The following images are a guide for the categories of damage to the carriageway.

Damage Type = cracking



Damage type = fretting



Damage Type = subsidence



Damage type = potholing



Damage types = reinstatements

