

# Highways England Open Data

Dataset Name: **Highways England Pavement Management System Layer**

Type: Geographic Information System (GIS) Data

## Background

Highways England Pavement Management System, HAPMS, is used to manage the paved roads that Highways England is responsible for.

The HAPMS dataset can be used as a representation of the roads managed by Highways England.

The data is derived from both GPS data and OS 1:10,000 basemapping. It is maintained by Highways England support staff and service providers.

HAPMS roads are formed of sections. Section lengths vary between a few metres and several kilometres.

Dual carriageways are attributed as “nominated” or “not nominated” – this is to avoid duplicating of assets positioned between the carriageways, e.g. a sign would only be allocated to the road section which is “nominated”.

## Metadata

Please see the UK GEMINI metadata available at the [Data.gov.uk](http://Data.gov.uk) website.

## Schema

Field Name	Description
class_name	The road class: M, A(M) or A
roa_number	The road number e.g. M1, A6, A1M
sect_label	A label for the section e.g. 4700M1/280
location	A free text field describing the section’s location e.g. SB entry from Lofthouse RBout to merge with WB Exit link
start_date	The start date for the section
s_end_date	The end date for the section
sec_length	Recorded length of the section
funct_name	The section function: Main Carriageway, Ox Bow Lay-by, Roundabout or Slip Road
area_name	The name of the operational area responsible for the section e.g. Area 7, M25 DBFO
direc_code	The direction: NB, SB, EB, WB, CW, AC or ND ( <u>n</u> o <u>d</u> irection has been indicated)
perm_lanes	The number of permanent running lanes

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dual_name	Whether the section is dual or single: Dual Carriageway (nominated), Dual Carriageway (not nominated), One Way Single, Two Way Single, Not Specified
envir_name	The environment: Rural, Urban, Suburban
autho_name	The name of the local authority e.g. Cornwall, City of Portsmouth
reference	A plan reference used by the Service Provider

**Notes:**

1. The data are entered and maintained by the Service Providers.
2. A section is uniquely identified by Section Label and Section Start Date.
3. A “live” section will normally have a Section End Date of 01-Jan-3000.

27<sup>th</sup> April 2017