Highways England Open Data

Dataset Name: Highway Boundary (alias RedLine)
Type: Geographic Information System (GIS)

Background

The highway boundary in this context describes the land belonging to the highway; this dataset is limited to Highways England's road network. This dataset is indicative only, the definitive land ownership records will be held at HM Land Registry. An audit programme will be carried out by Highways England to confirm the boundary is correct (within a reasonable tolerance).

Due to the process involved in creating junctions with local highway authority (LHA) roads, land in this dataset may represent LHA highway (owned by Highways England but the responsibility of the LHA to maintain).

Surplus land or land held for future projects does not form part of this dataset.

Field Name	Description
OBJECTID	Non-specific ID field. Use to distinguish features but will not be carried into future revised datasets
Category	Plot type, four categories: 1. "Auto-RedLine" category, created from an automated process using Ordnance Survey MasterMap Topography as a base. Land is not registered under Highways England's name. For example, but not limited to, unregistered 'ancient' highway vested in Highways England, or bridge carrying highways over a rail line. 2. "HE Title within RedLine" category, created from Land Registry Cadastral parcels whose proprietor is Highways England or a predecessor. Land in this category is within the highway boundary (audited) or meets a certain threshold by the algorithm. HM Land Registry data taken in November 2020. 3. "HE Title outside RedLine" category, created in the same way as above but these areas are thought to be outside the highway boundary. Land in this category is yet to be audited.

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	4. "Highways England (Technician) Data" category, created by Highways England, digitised land parcels relating to highway land that is not registered, not yet registered or un-registerable. 5. "Road in Tunnel" category, created using tunnel outlines from Ordnance Survey MasterMap Topography data. These represent tunnels on Highways England's network. Land is not registered under Highways England's name, but land above the tunnel may be in Highways England's title. Please refer to the definitive land ownership records held at HM Land Registry.
Process	Plot process, three categories: 1. "Automated" category denotes data produced by an automated process. These areas are yet to be audited by the company. 2. "Audited" category denotes data that has been audited by the company. 3. "Technician Data (Awaiting Audit)" category denotes data that was created by Highways England but is yet to be audited and confirmed as final.
Confidence	Plot confidence, three categories: 1. "High" category denotes land that has a high probability of being within the RedLine boundary. These areas typically are audited or are features that are close to or on the highway. 2. "Moderate" category denotes land that is likely to be within the highway boundary but is subject to change once the area has been audited. 3. "Low" category denotes land that is less likely to be within the highway boundary. These plots typically represent Highways England registered land that the automated process has marked as outside the highway boundary.

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