OS MasterMap Highways Network – Release Note November 2023

This release note provides information about the November 2023 release of OS MasterMap Highways Network.

Source data currency

The following information relates to the currency of the source data used in the creation of this release of OS MasterMap Highways Network:

Data source	Date
GeoPlace Streets Data	05 October 2023
Improvement Service Streets Data	09 October 2023
OS Road, Path, and Routing Content	04 October 2023

OS MasterMap Highways Network feature counts

Roads' feature	Count
AccessRestriction	34 943
FerryLink	102
FerryNode	128
FerryTerminal	128
Hazard	41 098
HighwayDedication	3 560 150
Maintenance	1 308 548
Reinstatement	1 523 424
RestrictionForVehicles	11 967
RoadLink	8 401 726

Roads' feature	Count
RoadNode	7 441 648
RoadJunction	6 408
SpecialDesignation	756 087
Street	1 474 566
Structure	1 353 419
TurnRestriction	1 039 623
Road	845 361

Paths' feature	Count
ConnectingLink	1 985 115
ConnectingNode	1 844 483
FerryLink	36
FerryNode	69
FerryTerminal	69
HighwayDedication	389 121
Maintenance	198 731
Path	25 226
PathLink	3 204 210
PathNode	3 803 083
Reinstatement	204 162
SpecialDesignation	11 990
Street	243 716

Data issues

In the November 2023 release of OS MasterMap Highways Network:

- There are 14 instances of overlapping road links.

- There are 744 instances of overlapping path links.

- There are 72 instances where a road link and a path link overlap, representing the same real-world feature (Figure 1).

Figure 1: *Example of an overlapping path link and road link.*

- There are 167 road links disconnected from main network or not properly connected at a node.

- There are 636 road links which are less than 1m in length.

- There are 299 connecting links which are less than 1m in length.

- There are 374 path links which are less than 1m in length.

- There are 35 features in the Street table which have a street type of either Designated Street Name or Officially Described Street and have no associated maintenance record.

- There are 96 instances of connecting nodes referencing a motorway.

Product updates

Data enhancements

As of March 2023, the road width data within OS MasterMap Highways Network has been enhanced: coverage has been extended from Urban areas only to Urban, Rural, and Mountain and Moorland areas.

As of August 2023, the coverage of Tracks and Paths data within OS MasterMap Highways Network has expanded from urban areas only to full GB.

To support the delivery of these enhancements, we have made changes to the unique identifiers (TOIDs) so that they are the same for features that represent the same node. For example, Connecting Nodes and Road Nodes will have the same identifier when they are coincident with each other. Some Road Nodes will have the same identifier as a Path Node when they are coincident with each other (for example, where a path crosses a road). Please be aware that identifiers for these features are no longer unique across feature types.

TEN-T lookup table withdrawal

The Trans-European Transport (TEN-T) network forms a set of road, rail, air and water transport networks spanning the European Union. As a result of the UK withdrawing from the European Union, the UK is no longer a part of the TEN-T network; therefore, the TEN-T lookup table has been withdrawn as of October 2023.

Large Change-Only Update (COU) in November

We are carrying out some essential improvements and updates to our product creation system. As a result, there will be some

rounding changes that will affect Z coordinates, height metadata and width values within OS MasterMap Highways Network. The changes themselves will mostly be very small but we estimate around 5 million features to be modified. Therefore, please be aware that the November release of OS MasterMap Highways Network will have a larger COU than usual.

Next release

The next release of OS MasterMap Highways Network is scheduled for December 2023.