

Heavy Vehicle Network – B-Double Network Technical Documentation



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Document Control

Revision History

Version	Date	Author	Description
1	December, 2022	Liam Zylberberg	Creating initial version of document

References

Document Name	Location

1 Overview

The National Heavy Vehicle Regulator (NVHR) regulates heavy vehicles across Victoria with a gross vehicle mass over 4.5 tonnes (not including rolling stock), including rigid trucks, semi-trailer trucks, B-Doubles (trucks towing 2 semi-trailers) and B-triples (trucks towing 3 semi-trailers).

The Department of Transport maintains maps of Victoria's heavy vehicle networks to assist drivers of heavy vehicles to understand which roads have been approved for heavy vehicle access. Roads that have not been approved require road manager approval for access via permit, with the exception of signed detours, or if directed by an authorised officer.

The B-Double Network is Victoria's gazetted road network that has been assessed for Class 2 B-Double Heavy Vehicles. The road accessibility has been divided into 3 categories: Approved, Approved - Conditions Apply, and Restricted.

2 API Meta Data

This dataset contains Victoria's gazetted Class 2 B-Double road network. Class 2 B-Double Heavy Vehicles have been divided into 3 categories: Approved, Conditionally Approved and Restricted.

2.1 Brief

Resource Name: Heavy Vehicle Network – B-Double Network

URL: <https://data-exchange-api.vicroads.vic.gov.au/opendata/network/static/hvr/v1/bdoubleroutes>

Domain: Freight

Update Frequency: Weekly (Monday Morning)

Data Format: GeoJSON

Data Type: Geospatial Data (Line)

Geographic Extent: Victoria

2.2 Dataset Attributes

We have produced a table below outlining each of the data Fields and Values contained within this dataset.

Table 1 Dataset Attributes

Name	Type	Definition
type	String	Fixed Value: FeatureCollection
features	Array [Feature]	Array of Feature object. Refer to Feature object details.
Feature	Object	A single road segment is represented as a single feature in Geo Json.
Feature.type	String	Fixed Value: Feature
Feature.geometries	Array [Geometry]	Array of Geometry object. Refer to Geometry object details.

Name	Type	Definition
Feature.properties	Object [Property]	The properties of road segment. Refer to Property object details.
Geometry	Object	The geo coordinate representation of the road segment as specified by the Geo Json.
Geometry.type	String Enumeration	<p>LineString</p> <p>A linestring represents two or more geographic points that share a relationship as specified in the GeoJson spec.</p> <p>Point</p> <p>A point represents a single geographic position as specified in the GeoJson spec.</p>
Geometry.coordinates	Array [double]	<p>Coordinates are in x, y order (longitude, and latitude for geographic coordinates) precisely in that order and using double values. Altitude or elevation MAY be included as an optional third parameter while creating this object.</p> <p>Ex: when the geometry type is point</p> <pre>1{ 2 "type": "Point", 3 "coordinates": [100.0, 0.0] 4 } 5</pre> <p>Ex: when the geometry type is LineString</p> <pre>1{ 2 "type": "LineString", 3 "coordinates": [4 [100.0, 0.0], 5 [101.0, 1.0] 6] 7 } 8</pre>
Property	Object	Properties of the road segment.
Property.source	Object [Source]	Information about the source of the road segment
Property.status	String	<p>Approved</p> <p>Conditionally Approved</p> <p>Restricted</p>
Property.roadName	String	Affected street/ road name.
Property.localGovernmentArea	String	Local Government Area where the event belongs to.
Property.rmaClass	String	The class of road according to the Road Management Act.
Property.roadManager	String	The road authority as prescribed in the Victorian Road Management Act.
Property.shapeLength	String	

Name	Type	Definition
Source	Object	Information about the source of the road segment.
Source.sourceName	String Enumeration	Fixed Value: HVR B Double Network
Source.sourceId	String	Source system identification of the road segment.