Road features database for speed limits (WKD - WegKenmerken Database)

Spatial scale / resolution: the Netherlands

Temporal range: 2016-current (monthly)

Data source input data

https://www.rijkswaterstaat.nl/apps/geoservices/geodata/dmc/WKD/

Data format input data: Shapefile (*.shp) / *.csv

Data format output data: Shapefile (*.shp)

Data storage output data: ..\Geodata\Source_data\Traffic\Road_speeds\01-01-

2017\Speed\Wegvakdeel N

Files: Wegvakken.shp

Data

This dataset is open data and is part of the road characteristics database which contains speed limits
for road sections for all roads in the NWB (National Road Database - https://nationaalwegenbe-
stand.nl/), available for each month from 2016 onwards (WKD - WegKenmerken Database). With the
road section_ID the speed limits can be linked to the geography of the NWB. WKD was filled in early
2017 for the whole of the Netherlands with data supplied by municipalities. Because the NWB is
changing faster than the speed limits are provided by the municipalities the speed limit is unknown
for a few percent. How this is handled depends on which variant of the WKD is used:

• Road section part J: with this product, several maximum speeds can be supplied per road section if
different maximum speeds are known for different road section sections. If no speed is known for a
road section, the speed limit (variable "HDE_SHT") for the road section concerned remains empty.

• Road section section N: Only one maximum speed per road section is supplied with this product. If
no speed limit is known, the gaps are filled based on the "road manager" characteristic (for national
roads 120 km / h, for provincial roads 80 km / h and for roads of other road authorities - in particular
municipalities - 50 km / h).

NB; In residential areas where a maximum speed of 30 km per hour applies, or a residential area, this
leads to major deviations from reality. The number of rural roads with a 60 km limit has also
increased significantly since 2017.

Both variants of the WKD contain the full NWB. Periodic maximum speeds or maximum speeds on open plus and rush-hour lanes are not taken into account in these products. At periodic speeds, any of the two applicable speeds is delivered.

See for more detailed info in Dutch (Gebruikersinformatie Maximum Snelheden V1.0.doc):
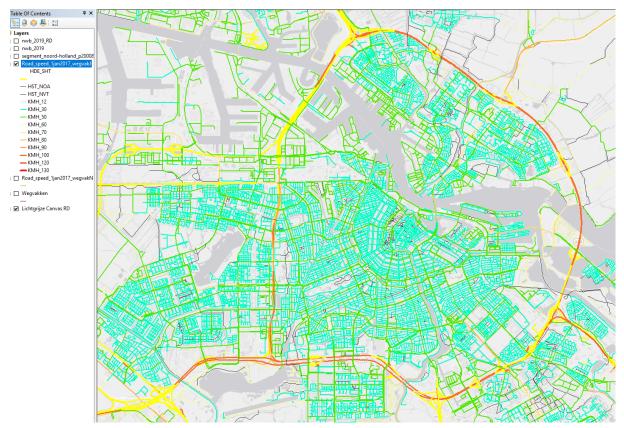
https://nationaalwegenbestand.nl/download_file/149/220

Variables

Table 1: overview of variables in datasets

Variable name	Description
FID	Feature ID
Shape	Geometry type (Polyline)
WEGVAK_ID	Identification number road segment
WVK_BEGDAT	Road segment start date
NWB_VERSIE	NWB version
PVE_CODE	?
GME_ID	Municipality id
GME_NAAM	Municipality name
STT_NAAM	Street name
WEGNUMMER	Roadnumber
BHRSOORT	Management type
BHRCODE	Management code
BHRNAAM	Management name
LENGTE	Length
FK_VELD1	?
WEGVAK_I_1	Identification number road segment
WVK_BEGD_1	Road segment start date
NWB_VERS_1	NWB version
HDE_SHT	Maximum speed limit in kilometers per hour
D_HDE_SHT	Date for speed limit
VAN	Start road segment in meters
NAAR	End road segment in meters
FK_VELD1_1	?

Source

This dataset is made available by Rijkswaterstaat, Ministry of Infrastructure and Water Management.

Map example Amsterdam region of maximum speed in km/h

Contact information

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List of references