Mapping KM4city - OSM

TrafAir internal document

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The following aspects are at the basis of the street path description:

- roads type (motorway, trunk, primary, secondary, tertiary, unclassified, residential, service),
- number of roads lanes,
- maximum flux permitted in the roads
- turn restrictions
- restricted traffic zone
- speed limit
- roads access restriction
- bidirectional traffic roads
- presence of designated lanes for public transport

In the following table it is possible to find the relation of these aspects with the Open Street Map Model

KM4City - Traffic model	OSM Model	Relevance
road type (motorway, trunk, primary, secondary, tertiary, unclassified, residential, service)	https://wiki.openstreetmap.org/wiki/Key:highway	high
roads lanes (number)	https://wiki.openstreetmap.org/wiki/Key:lanes	high
presence of designated lanes for public transport	https://wiki.openstreetmap.org/wiki/Key:lanes public service vehicles (PSV) (eg: Bus lanes,)	medium
maximum flux permitted in the roads		low (it is deduced by the traffic flow model from the road lanes)
turn restrictions	https://wiki.openstreetmap.org/wiki/Relation:restriction	high
restricted traffic zone	Ask to municipality (shape fiel or path)	high
speed limit	https://wiki.openstreetmap.org/wiki/Speed_limits	high
roads access restriction	https://wiki.openstreetmap.org/wiki/Key:access	High, if the restrictions are present in the roads (only for pedestrian, only for bikes, etc.)
bidirectional traffic roads	https://wiki.openstreetmap.org/wiki/Key:oneway	high (if the street is open in only one direction)