

What is ...OSM ...JOSM ...a OSM Map?



Looks better ;-)



Do I draw OpenStreetMap with JOSM?



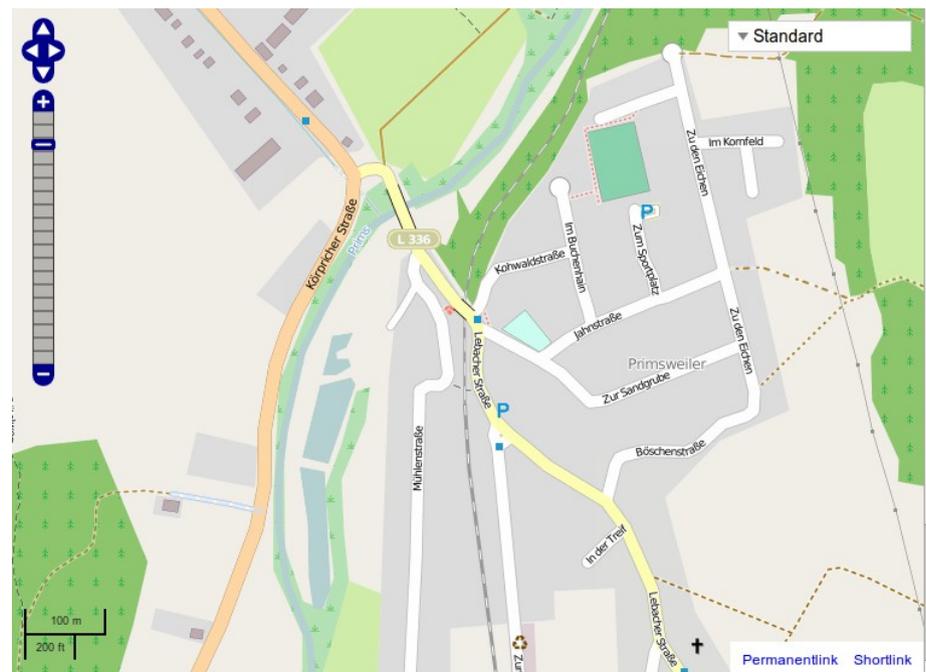
OSM is a DATABASE!

UPLOAD to a
DATABASE

From Database to Map
is called RENDERING



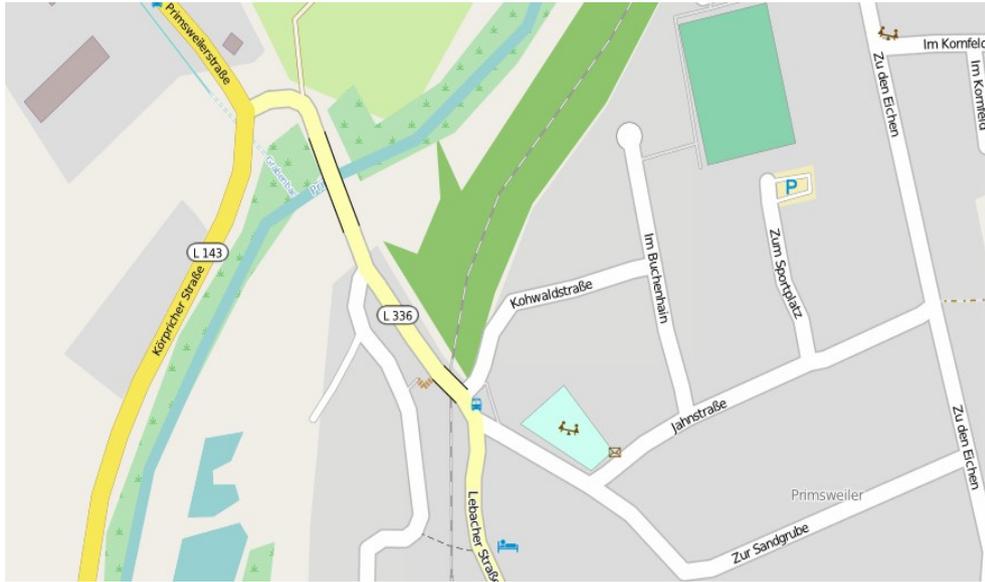
A ?Map? in JOSM



The same map OSM - Mapnik

Rendering is „colour by numbers“ done by a rendering software! ... (Mapnik)

Different renderings->different Maps



Legende:

Verkehrsmittel

Zug

S-Bahn

Tram

U-Bahn

Fähre

Trolleybus

Bus

○ Bushaltestelle

● Haltestelle

Straßen

Autobahn

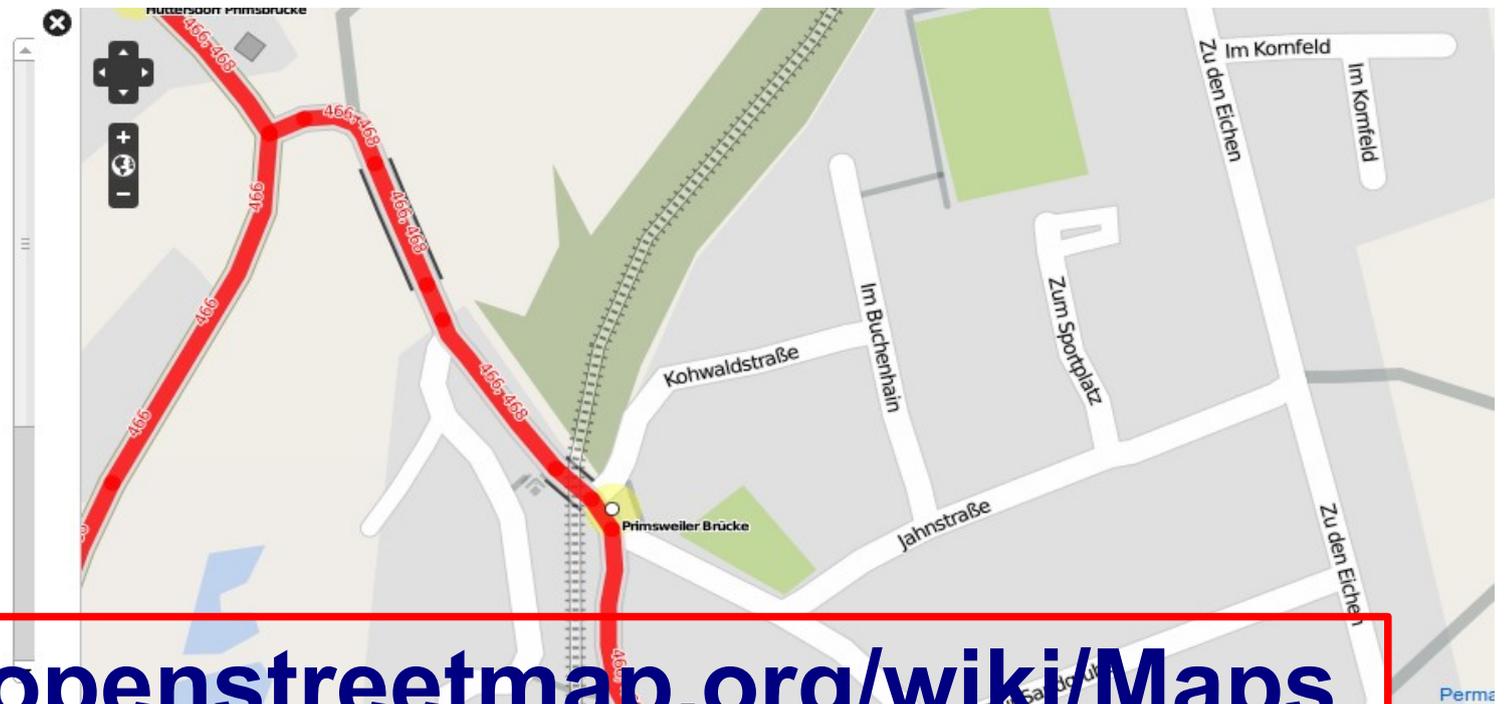
Schnellstraße

Bundesstraße

Landstraße

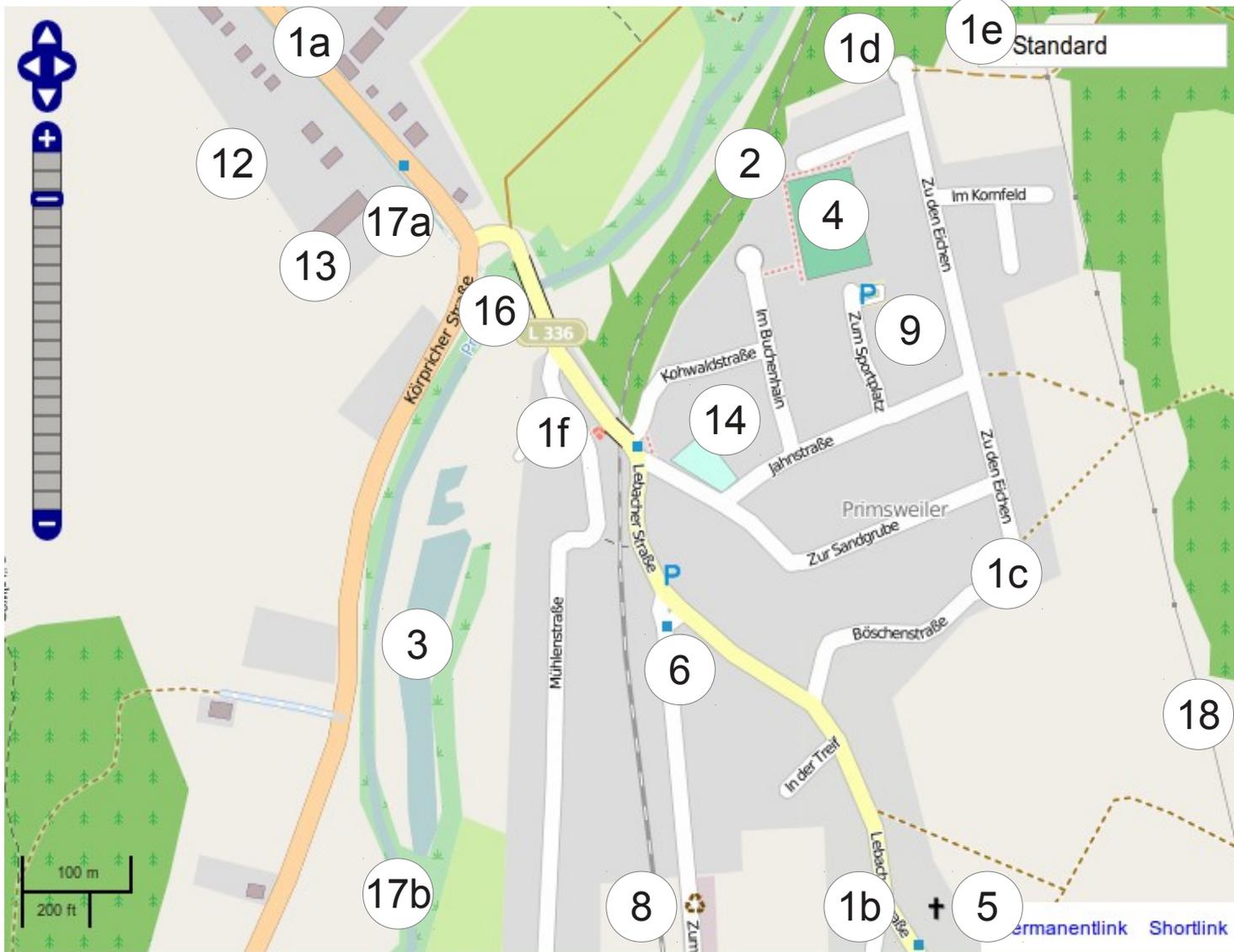
Kreisstraße

Nebensstraße



<http://wiki.openstreetmap.org/wiki/Maps>

What can I see on maps?



(1) Highway –
 (a)secondary, (b)tertiary,
 (c)residential, (d)turning
 circle, (e)footway,
 (f)steps, (g)no exit

(2)Railroad

(3)Natural=water

(4)Soccer Field

(5)Church

(6)Bus-Stop

(7)Cycle way

(8)Recycling

(9)Parking

(10)Traffic sign – City limit

(11)Restaurant



(12)landuse residential (13)Building (14)play ground (15)post-box (16)bridge (17)waterway –
 (a)stream, (b)river, (c)weir (18)Power line (19)Speed Limit (20)End of Cycle Way

What do I do in JOSM?

**UPLOAD to a
DATABASE**



Here we collect as may data as possible

**From Database to Map
is called RENDERING**



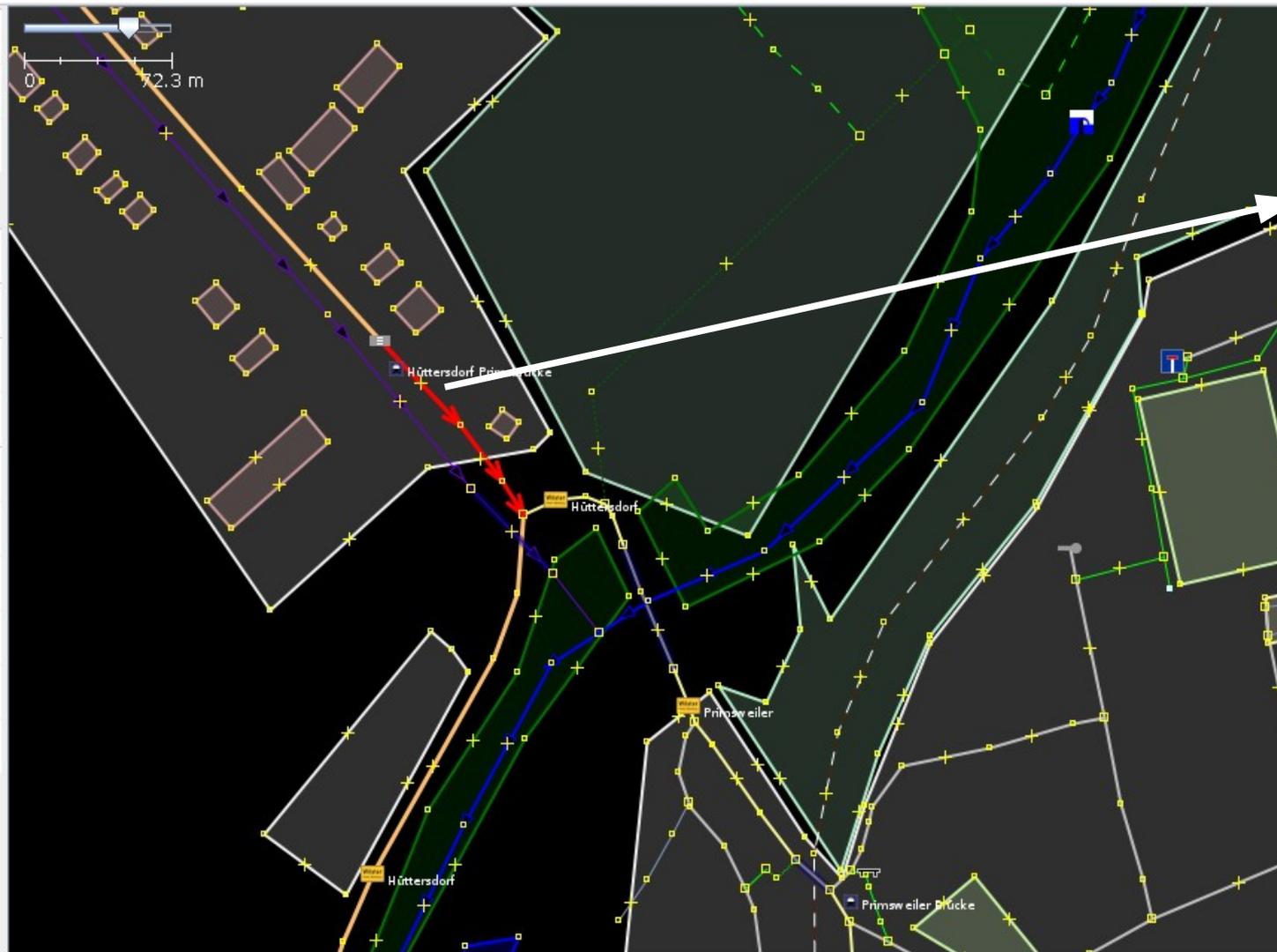
The style of a map depends from the renderer

Rendering is „colour by numbers“ done by a rendering software!



How I describe a ... in JOSM?

Highway=secondary



Ebenen
Datenebene 1

Eigenschaften: 4 / Mitgliedschaften: 5
Highways/Streets/Secondary ...

Schlüssel	Wert
highway	secondary
maxspeed	50
name	Primsw eilerstraße
ref	L 143

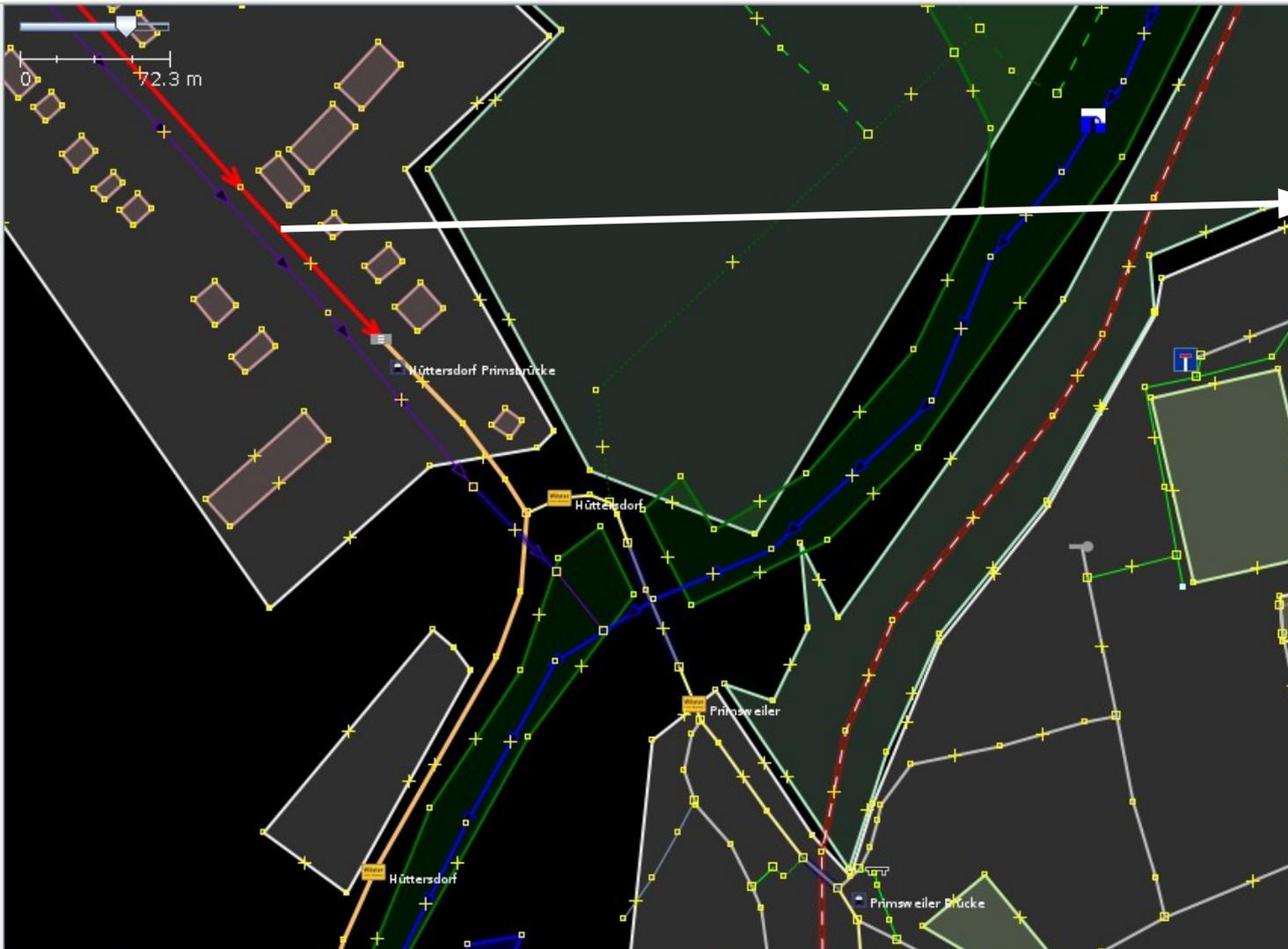
Element von	Rolle	Position
route ("466", 161 Elemente, unvoll...		112
route ("468", 107 Elemente, unvoll...		77
route ("L 143", 35 Elemente, unvoll...		20
route ("Lebacher Runde", 123 Ele...		23
route ("Schmelzer Runde", 72 Elem...		42

Ausw.: Rel.:0/Lin.:1/Pkte:0
Primsw eilerstraße (4 Punkte)

Befehlsliste

Highway=secondary cycleway:right=lane

How I describe a ...



Ebenen

Datenebene 1

Eigenschaften: 5 / Mitgliedschaften: 5

Highways/Streets/Secondary ...

Schlüssel	Wert
cycleway:right	lane
highway	secondary
maxspeed	50
name	Primswweilerstraße
ref	L 143

Element von	Rolle	Position
route ("466", 161 Elemente, unvoll...		114
route ("468", 107 Elemente, unvoll...		106
route ("L 143", 35 Elemente, unvoll...		21
route ("Lebacher Runde", 123 Ele...		24
route ("Schmelzer Runde", 72 Elem...		43

Ausw.: Rel.:0/Lin.:1/Pkte:0

Primswweilerstraße (5 Punkte)

Befehlsliste

How I describe a ... in JOSM



highway=crossing



Ebenen

Datenebene 1

Eigenschaften: 2 / Mitgliedschaften: 0

Highways/Waypoints/Pedestrian Crossing ...

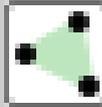
Schlüssel	Wert
created_by	JOSM
highway	crossing

Main technical and colloquial terms - 1 -

The Four Elements



FOUR MAIN ELEMENTS

Punkt	Node	An object with an ID, a Latitude and a Longitude. Nodes can also have tags.	
Linie	Way	An ordered list of one or more Nodes. Ways get rendered as streets/railways/footpaths/canals etc according to the tag(s) indicating what type of way it is. Ways are contiguous and non-branching. (You can get from beginning to end by following segments of the way, without "jumping" or backtracing)	
Fläche	Aera	In map rendering terms, an area is a shaded polygon representing for example a house, a park or industrial area.	
Relation	Relation	Relations are a new kind of data primitive added more recently. They are basically groups of objects in which each object may take on a specific role. Relations may also have tags.	

See: <http://wiki.openstreetmap.org/wiki/Glossary>

and for translation: <http://wiki.openstreetmap.org/wiki/DE:Glossary>

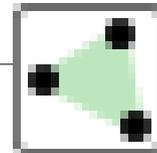
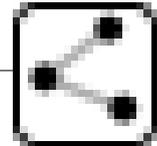
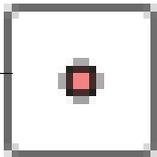
Main technical and colloquial terms - 2 -

Element → Tag → Key=Value



TAG

Elements



Eigenschaften: 11 / Mitgliedschaften: 0

- Einrichtungen/Bildung/Schule ...
- Anmerkung/Adressen ...
- Anmerkung/Kontakt (übliche Methode) ...

Schlüssel	Wert
addr:city	Saarburg
addr:country	DE
addr:postcode	54439
addr:street	Boorwiesenstraße
amenity	school
image	http://www.bbs-saarburg.de/images/Gebaeu...
isced:level	3
name	Geschwister-Scholl-Schule (BBS) Saarburg
school:de	Berufsbildende Schule
website	http://www.bbs-saarburg.de
wheelchair	yes

See: <http://wiki.openstreetmap.org/wiki/Glossary>

and for translation: <http://wiki.openstreetmap.org/wiki/DE:Glossary>

Q & A



<http://www.openwhatevermap.org/>

