

## Parking

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### [Introduction](#)

### [Parking Lots](#)

#### ❑ [Parking Lot Lanes](#)

### [Parking Lanes](#)

### [Side of the Road](#)

### [Type of Parking](#)

### [Examples](#)

## Introduction

Parking facilities are some of the most common transportation features you will encounter. They can exist as lots or as lanes and you must be informed on the nuances of modeling both.

## Parking Lots

You will rarely have to model an entire parking lot from scratch and we are only concerned with the features relevant to traffic, not the name of the parking lot, the pricing of the parking etc.

### Parking Lot Lanes

The lanes *within* a parking lot can be classified in two manners: **highway=service** by itself or **highway=service** along with a **service=parking\_aisle** tag.

If you are on the main lane of a parking lot that functions to either get you in or get you out of the lot, it should be tagged as **highway=service** only. A service aisle can still have parking spots along itself.

If you are on a lane that primarily serves to get you to a parking space then it should be tagged with **highway=service** and **service=parking\_aisle**.

Examples of **highway=service** tag by itself. The other lanes here would be **highway=service** and **service=parking\_aisle**



## Parking Lanes

Often enough parking will be found at the edge of the road and these spaces need to be marked to record the side on which parking is allowed, and the type of parking that is allowed.

There is no need to find clear markings on the road as with lanes. Contextual evidence, such as the presence of several cars parked along the curb is enough to justify modeling a parking lane in that area.

Modeling these types of parking lanes needs to take into account two elements: the side of the road on which they occur, and the type of parking allowed.

The tag is written in the form of **parking:lane:<side of the road>=<type of parking>**

### Side of the Road

There are three possible values to the side of the road subkey, **right**, **left**, or **both**.

### Type of Parking

There are three main values used for the type of parking: **parallel**, **diagonal**, or **perpendicular**, referring to the orientation of the parked car in reference to the road.

## Examples\*

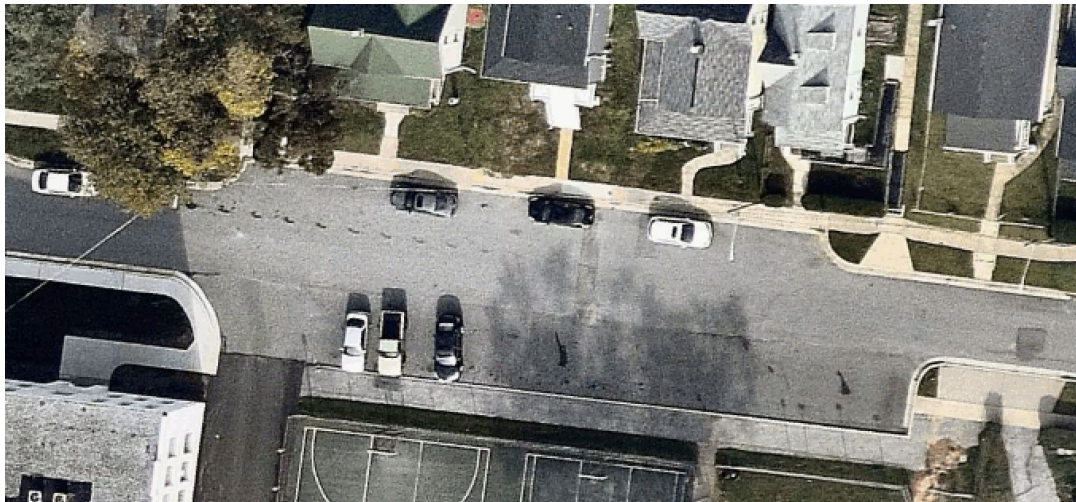
*\*only include the tags relevant to parking, not the entire road*



*The direction of the way in this case is assumed to be going toward the lower left*

**parking:lane:right=parallel**

**parking:lane:left=diagonal**



*In this case the direction of the way is assumed to be going from right to left*

**parking:lane:right=parallel**

**parking:lane:left=perpendicular**