

Bicycling infrastructure classification

Types of bicycling infrastructure

Dedicated bike path

- Refers to: Off-road bike paths exclusively for bikes
- bike_infra code: bikepath
- bike_inf_1 code: 6
- OSM extract: highway== 'cycleway' AND foot== 'no'
- Examples:



<https://carryononly.org/cycling-the-upfield-bike-path-in-melbourne-australia/>



https://m.ellaslist.com.au/system/articles/featured_images/000/001/158/original/Bayside_Cycling_Trail.jpg?1632440596

Shared path

- Refers to: Off-road bike paths shared by bikes and pedestrians
- bike_infra code: shared_path
- bike_inf_1 code: 5
- OSM extract: highway== 'cycleway' AND foot!= 'no' OR highway== ['footway' OR 'pedestrian' OR 'path']
- Examples:



https://en.wikipedia.org/wiki/Capital_City_Trail



<https://carryononly.org/cycling-the-upfield-bike-path-in-melbourne-australia/>

Protected bike lane

- Refers to: On-street bicycle lanes that are physically separated and protected from motorised traffic via a physical barrier
- bike_infra code: protected_bikelane
- bike_inf_1 code: 4
- OSM extract: highway!= 'cycleway' AND (cycleway== 'track' OR 'opposite_track') AND cycleway:left== 'track' AND cycleway:right== 'track'
- Examples:



<https://twitter.com/MelbourneWay/status/1339795291755610114>



<https://www.melbourne.vic.gov.au/building-and-development/shaping-the-city/city-projects/Pages/new-bike-lanes.aspx>

Painted bike lane

- Refers to: On-street bicycle lanes that are marked/painted on the street but not separated via a physical barrier
- bike_infra code: painted_bikelane
- bike_inf_1 code: 3
- OSM extract: highway!= 'cycleway' AND (cycleway== 'lane' OR 'opposite_lane') AND cycleway:left== 'lane' AND cycleway:right== 'lane'
- Examples:



<https://www.vicroads.vic.gov.au/traffic-and-road-use/cycling/bicycle-infrastructure-design>



<https://www.ausleisure.com.au/news/40-kilometres-of-new-bike-lanes-being-fast-tracked-in-melbourne/>

Sharrow

- Refers to: Streets without a specific bicycle lane but with sharrows indicating priority to cyclists
- bike_infra code: sharrow
- bike_inf_1 code: 2
- OSM extract: highway!= 'cycleway' AND cycleway== 'shared_lane'
- Examples:



Living streets

- Refers to: Usually urban laneways often referred to as living streets
- bike_infra code: unclassified
- bike_inf_1 code: 1
- OSM extract: highway== 'living_street'
- Examples:



<https://discovermelbourne.wordpress.com/city-gems/little-bourke-street/>



<https://www.google.com/maps/@-37.7375113,144.9328155,3a,75y,96.65h,86.74t/data=!3m6!1e1!3m4!1seQ0cuheUyrKV5ooHqIB8Rw!2e0!7i13312!8i6656>

Mixed traffic (No bicycling infrastructure)

- Refers to: Streets where cycling is allowed but with no bicycle-specific infrastructure
- bike_infra code: mixed_traffic
- bike_inf_1 code: 0
- OSM extract: All remaining roads that do not conform to the above
- Examples:



<https://www.google.com/maps/@-37.72656,144.9231779,3a,75y,357.14h,94.35t/data=!3m6!1e1!3m4!1s04WR8CYpto9qOuC1xLeo6w!2e0!7i16384!8i8192>



<https://www.google.com/maps/@-37.7632418,144.9229231,3a,75y,179.03h,83.31t/data=!3m6!1e1!3m4!1sUF3uUgpkW14Q7EnnzTNTMQ!2e0!7i16384!8i8192!5m1!1e3>