



peopleforbikes

CITY RATINGS

Madrid

MD, Spain

3223334

2023

## BICYCLE NETWORK ANALYSIS

- 47** **People** - Access to where other people live
- 64** **Opportunity** - Access to jobs and education
- 67** **Core Services** - Access to basic needs
- 64** **Recreation** - Access to parks and trails
- 40** **Retail** - Access to shopping centers
- 64** **Transit** - Access to major transit hubs

Overall  
Score

59

out of

100

## INFRASTRUCTURE MILEAGE

1952

Miles of high-stress roads

Roads lacking adequate bike infrastructure

3620

Miles of low-stress roads and paths

Roads where cars and bikes are separated  
or travel speeds are low



## peopleforbikes CITY RATINGS

### WHAT IS PEOPLEFORBIKES' CITY RATINGS?

PeopleForBikes' **City Ratings** program scores cities on a 0 - 100 scale as measured by the Bicycle Network Analysis.

The **Bicycle Network Analysis (BNA)** is software that analyzes the quality and connectivity of city bike infrastructure. The BNA evaluates whether existing road conditions are safe for people of all ages and abilities to bike from where they live to places they want to go using data from OpenStreetMap and the national population census. The final result is the City Ratings score.

### HOW CITIES CAN IMPROVE THEIR SCORE

Cities can improve their score using the SPRINT framework.



**Safe Speeds:** Slow down cars to make roads safer for all modes of travel.



**Protected Bike Lanes:** Build protected bike lanes to separate people biking from people driving and walking.



**Reallocated Space:** Convert excess road space into protected bike lanes, sidewalks, greenery, bike parking, and outdoor seating.



**Intersection Treatments:** Shorten crossing distances and install safety features to ensure people can safely cross the street.



**Network Connections:** Fill gaps in the bike network so that people can travel from their homes to everyday destinations.



**Trusted Data:** Track infrastructure and safety data to measure progress towards building safe streets and reducing crashes.