Reviewer's report

Title: Impact of transportation infrastructure on bicycling safety

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Reviewer: Russell Lopez

Reviewer's report:

This paper represents a comprehensive review of the literature on bike infrastructure and safety. As the authors report, bike riding represents a small but important segment of transport in North America and a larger but still limited segment in Europe. The paper focuses on the literature from Europe and North America. While bike riding is popular elsewhere, field conditions are so different in other parts of the globe that a less than global approach is appropriate here.

The primary limitation of the paper is the limitation of the field itself. The great lack of studies on bike-related infrastructure is a major challenge. Unfortunately, this is a situation that is not going to change anytime soon.

The paper is well organized and the glossary of terms is particularly helpful. A few minor revisions would strengthen the paper:

1. Roundabouts are an extremely small portion of intersections and despite some limited efforts to increase their number, will probably never rise above less than .01% of total intersections in both Europe and North America. The authors should do a better and more explicit job of pointing this out.

2. Given that cities are promoting bike use (the authors could cite bike sharing programs, for example), the authors should strengthen the conclusions section by calling more strongly for more research and more forcefully point out some of the deficiencies that must be addressed.

3. On page 11, why were studies that examined only conflicts between cyclists and other road users excluded? Perhaps the authors mean that these did not allow for examination of underlying road or street structure? This seems to be a fundamental result of infrastructure deficiencies. Or perhaps not. Please clarify.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:
I declare that I have no competing interests'