Reviewer's report

Title: Impact of transportation infrastructure on bicycling safety

Version: 1 Date: 3 August 2009

Reviewer: Jennifer Dill

Reviewer's report:

Overall, a very strong, informative, and well-written article.

Major Compulsory Revisions

None

Minor Essential Revisions

1. Page 2 (abstract) and page 15: The statements about classifying different facility types together is unclear. An example would help (at least on page 15), as appears in the Discussion.

2. Page 4: There is a statement that cyclists in many North American jurisdictions are required by law to use helmets. I know of many jurisdictions that require children to wear helmets. I think laws requiring helmet use for adults are rare. Please check on this and clarify in the article, if necessary.

3. Page 4: "The built environment ahs been implicated as a major determinant of bicycling rate." There is some conflicting evidence of this, along with other supporting studies not cited, such as:

Dill, J., Carr, T., 2003. Bicycle commuting and facilities in major U.S. cities: If you build them, commuters will use them. Transportation Research Record. 1828, 116-123.


4. I may have missed it, but were the studies limited to those that were peer reviewed?

5. Page 17: delete "this includes" before bike boxes

6. For Table 1, bike boxes are also known as Advanced Stop Lines in some countries, including Great Britain.
7. The two Moritz studies cited (58 and 59) were not random samples and rely on self-report. There may also be issues with how the facilities and amount of cycling on different facilities were reported. These items should be considered when using the studies.

8. The authors make several good points in the discussion about the limitations of the studies reviewed. Please highlight some specific recommendations for future research, perhaps in the conclusions section.


Discretionary Revisions

1. Did any of the studies address the role of alcohol?

**Level of interest:** An article of outstanding merit and interest 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