
Protected Intersections

Design for safer road intersections

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Introduction

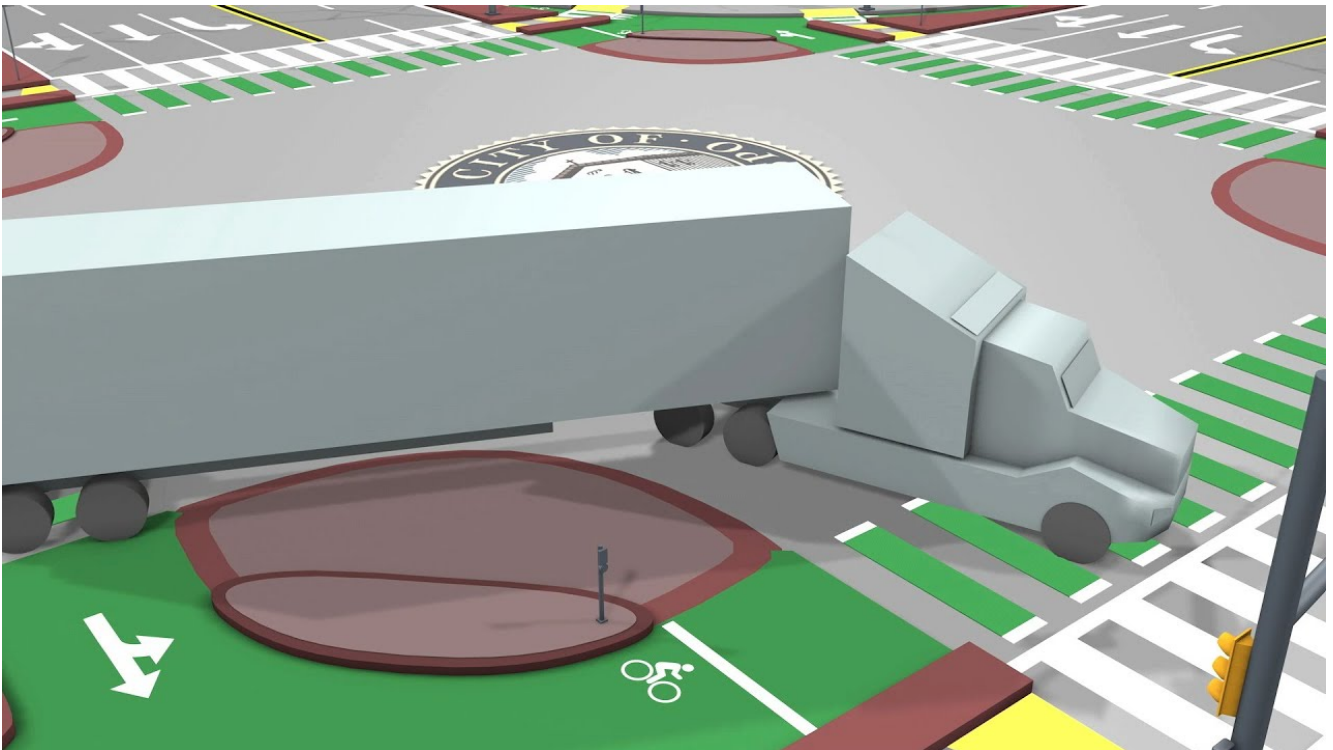
Protected intersections, sometimes called Dutch intersections, are a way to make a standard intersection safer for all users. Especially cyclists and pedestrians. The way this is accomplished is through separation, improved sight lines and reduced vehicle speeds.

As the City of Brampton develops the cycling network, more streets, with on street bike lanes, will intersect. This, along with the cities commitment to “Vision Zero”, will necessitate the consideration of protected intersections.

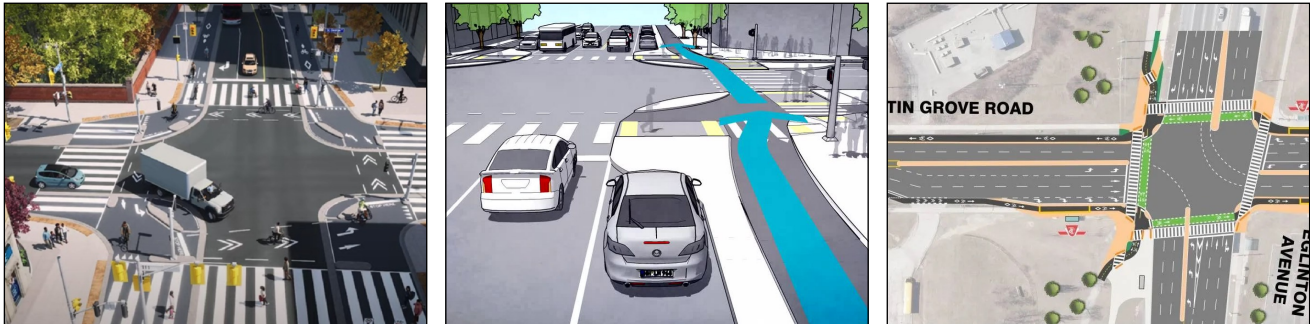
How and why the design for a protected intersection developed.



Video Example of How Protected Intersections Work



The advantage is that, unlike a rotary, it can fit in the space of an existing intersection, with little modification. There is no one standard design, but almost all designs feature raised islands at all four corners, to protect cyclists and pedestrians, in these areas.



There are cities in Ontario that have already built, or are considering the construction of protected intersections.

One of these cities is Ottawa. Their city staff have published a 85 page guide to protected intersections. The link appears below.

https://documents.ottawa.ca/sites/documents/files/protectedintersection_dg_en.pdf