

Coming to Green Street in 2018 – Two-Stage Left Turn Boxes

What is a Two-Stage Left Turn Box?

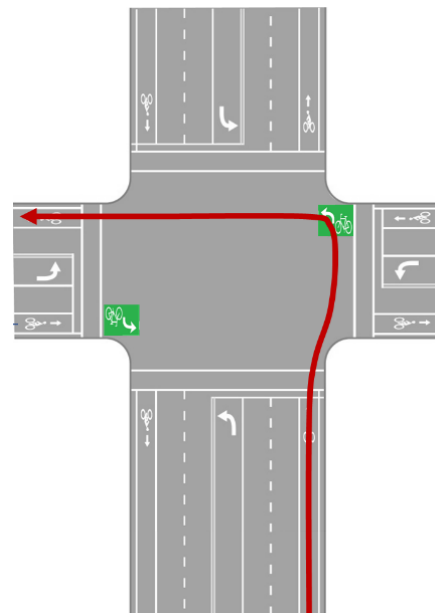
A Two-Stage Left Turn Box provides an easy way for people who are riding bikes to make left turns on a multilane road. It is a painted green box on the pavement where people can wait, out of the path of motor vehicles, to complete their left turn. The new infrastructure will be located at Green & Goodwin (Summer 2018) as well as Green & Wright (2020).



Source: NACTO Urban Bikeway Design Guide

Why do we need it?

- It gives people on bikes a new option that eliminates the need to cross multiple lanes of traffic to make a left turn.
- It reduces turning conflicts between people driving cars and riding bikes within the intersection area
- It provides a shorter travel path than using a pedestrian-style Two-stage left turn.



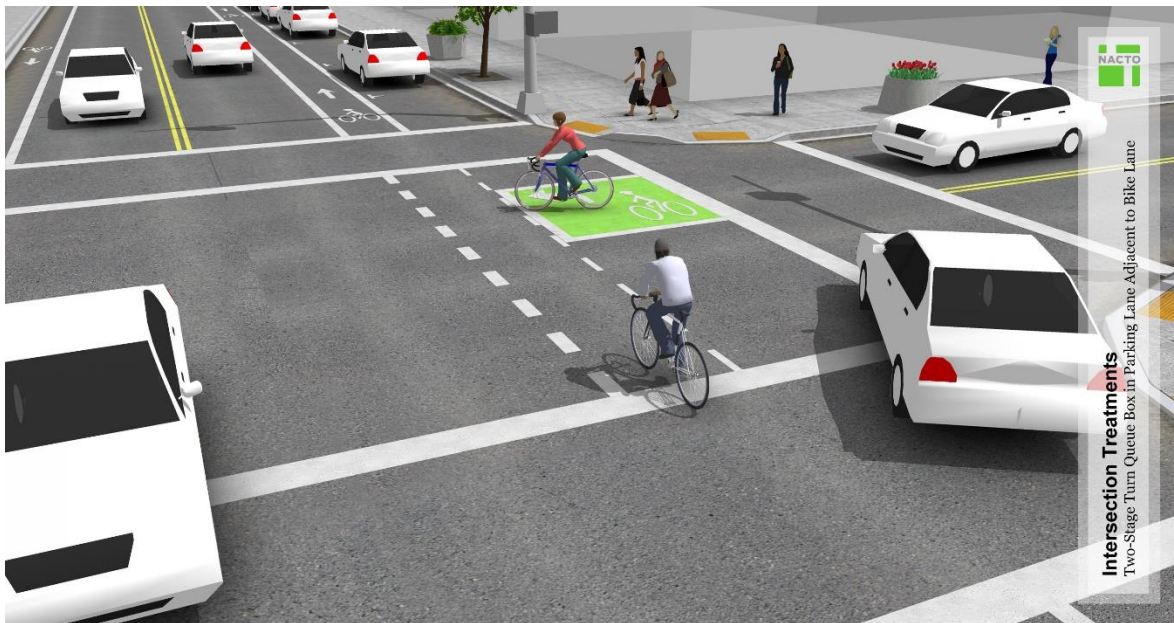
Coming to Green Street in 2018 – Two-Stage Left Turn Boxes

What should people on bikes do?

- On a green light, proceed straight through the intersection into the bike box
- Position your bike in the new direction
- Wait for the light to turn green and ride through the intersection into the bike lane

What should people driving cars do?

- If going straight on a green light, pass people on bikes only when it is safe to do so
- When turning right on a green light, yield to people who are in or cycling through the bike box before making your turn
- When turning right on a red light, look to your right for people entering the bike box from the bike lane



Source: NACTO Urban Bikeway Design Guide

Resources:

Video – how to use a two-stage left turn box (Seattle) https://www.youtube.com/watch?v=5S_-JjsxZGU (0:20-0:34); (Salt Lake City) <https://www.youtube.com/watch?v=rVswICVFIEQ>

NACTO Design Guide <https://nacto.org/publication/urban-bikeway-design-guide/intersection-treatments/two-stage-turn-queue-boxes/>

Discussions on two stage left turn boxes in Minnesota <http://www.mikeontraffic.com/two-stage-turn-boxes/>

Things to pay attention to when using the bike box <https://www.columbus.gov/publicservice/bicycle-program/Turn-Box/>