NACTO Urban Bikeway Design Guide

Cycle Tracks Protected Bikeways



State of the Practice Solutions





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- Alta Planning + Design
- City of Atlanta
- City of Wilmington, NC
- Native of Boston





Cycle Tracks (Protected Bikeways)

A cycle track is an exclusive bike facility that combines the user experience of a separated path with the on-street infrastructure of a conventional bike lane.



- Streets with high motor vehicle speeds
- Streets with multiple travel lanes
- Streets with double parking or heavy loading
- Streets with high parking turnover
- Downtowns and main streets
- On-street trail connections
- Places with lots of bicyclists
- Places where you want to attract bicyclists
- Place where you want to REDUCE stress



1/2
use parked cars















2/3
are one-way



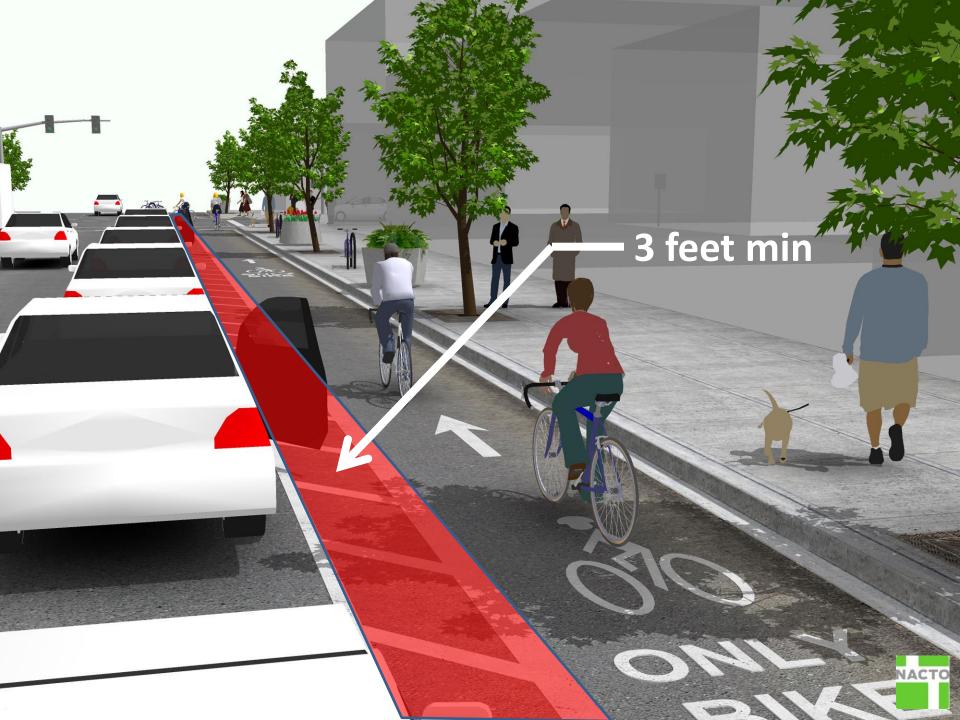
Source: The Green Lane Project



One-Way Protected Bikeways (Street Level)













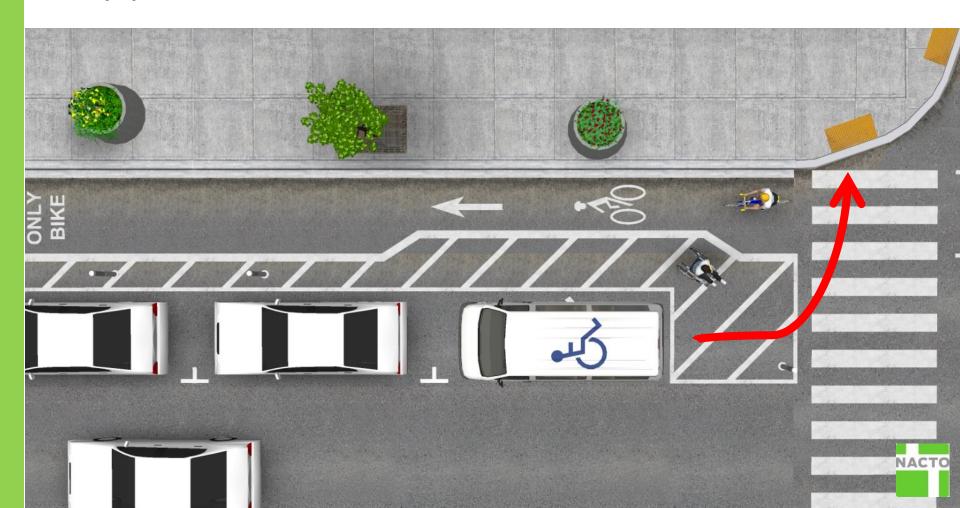






ADA issues

Key points...



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San Francisco, CA – Accessible Parking

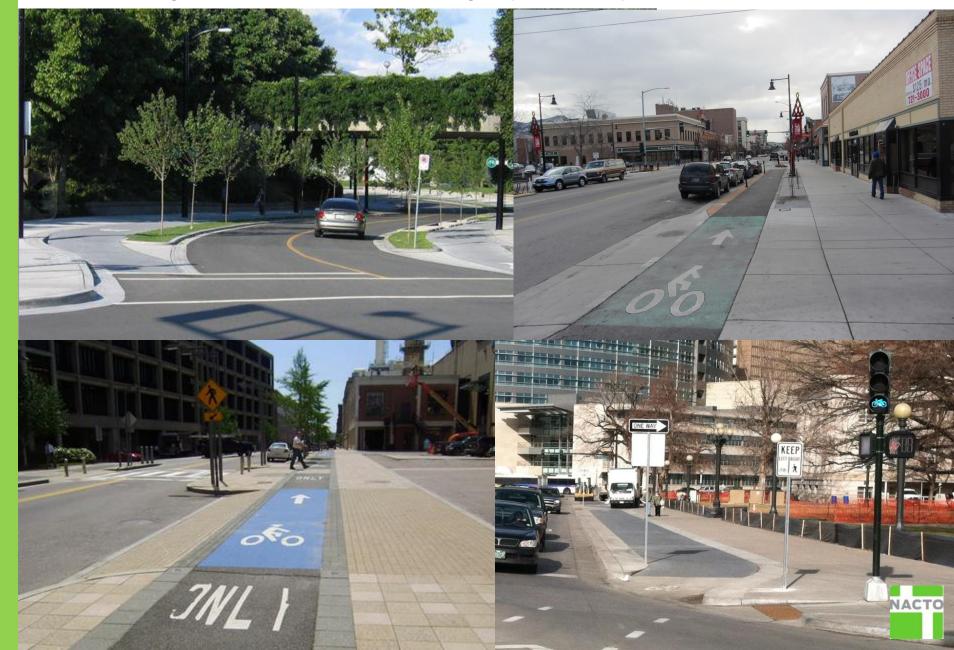




Atlanta, GA – Accessible Bus Stop

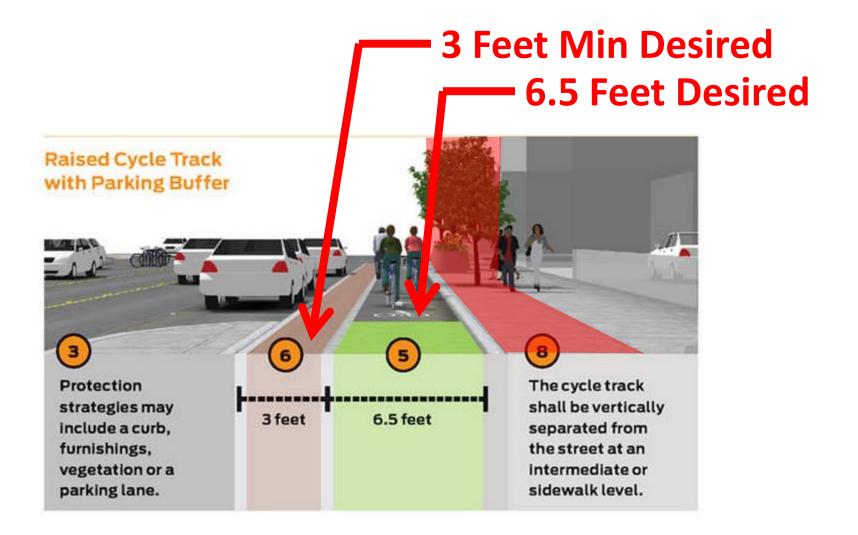


One-Way Protected Bikeways (Raised)



- Everywhere!
- Where you have few driveways and crossstreets
- On curvy streets where vehicle encroachment into street level bike lanes may be present
- Repurposing unused sidewalk space (what?)

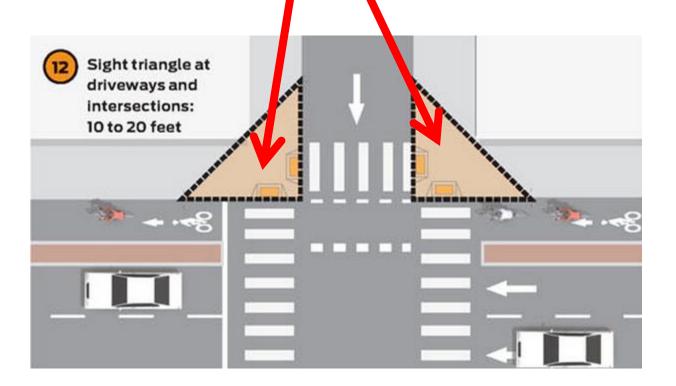






Keep Clear.. at least

- 10 feet for driveways
- 20 feet for minor intersections



























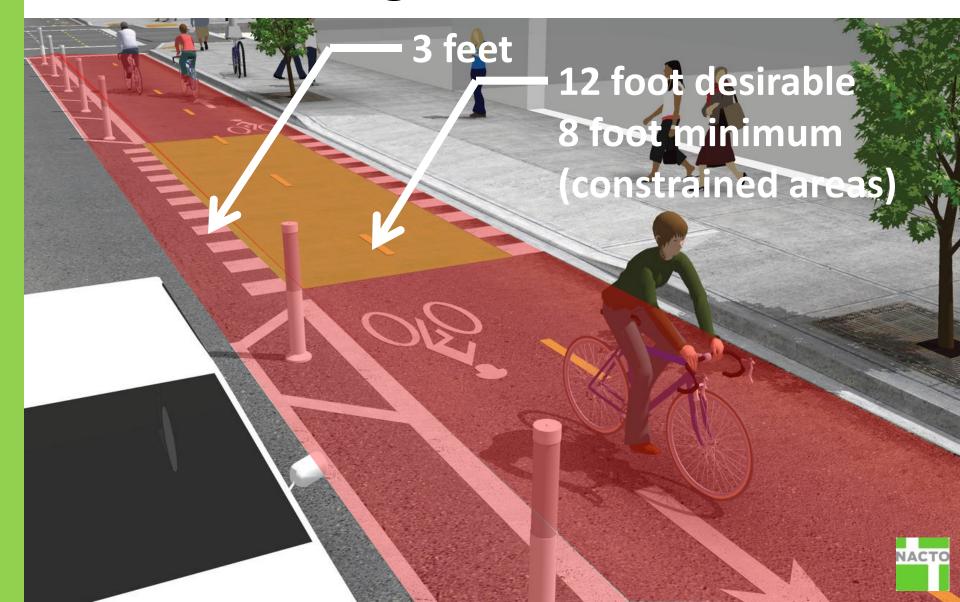


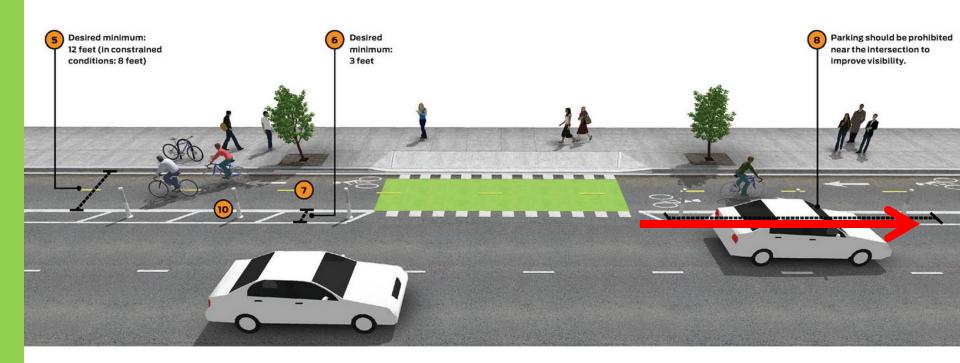
Two-Way Protected Bikeways (Street Level)



- Few driveways and cross-streets
- One-way streets
- Where a pair of one-way cycle tracks cannot be accommodated
- To provide seamless connections with other bikeways (i.e. multi-use paths)
- On streets with extra right-of-way on one side



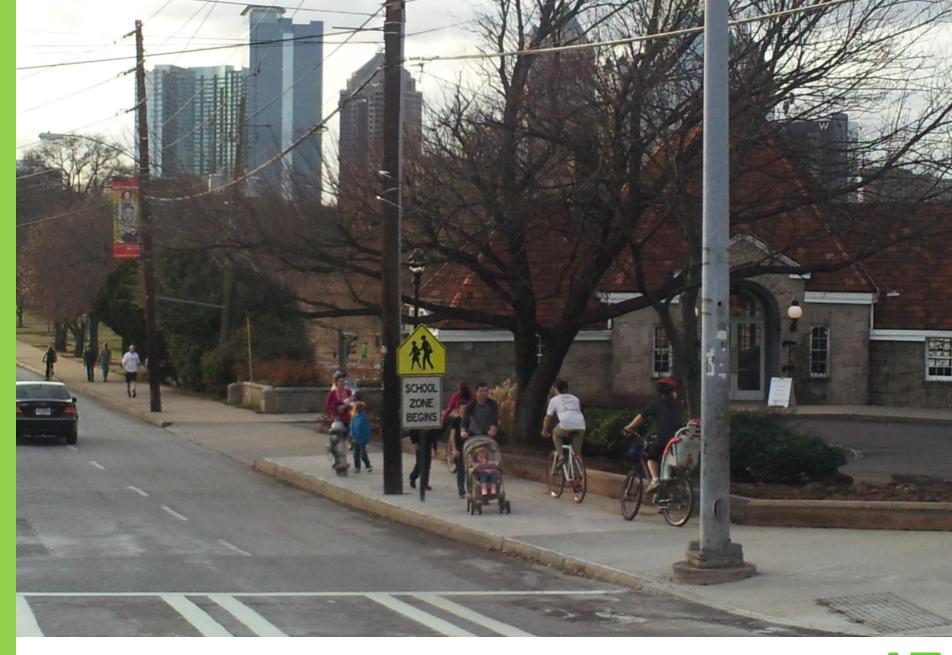




Parking Setback

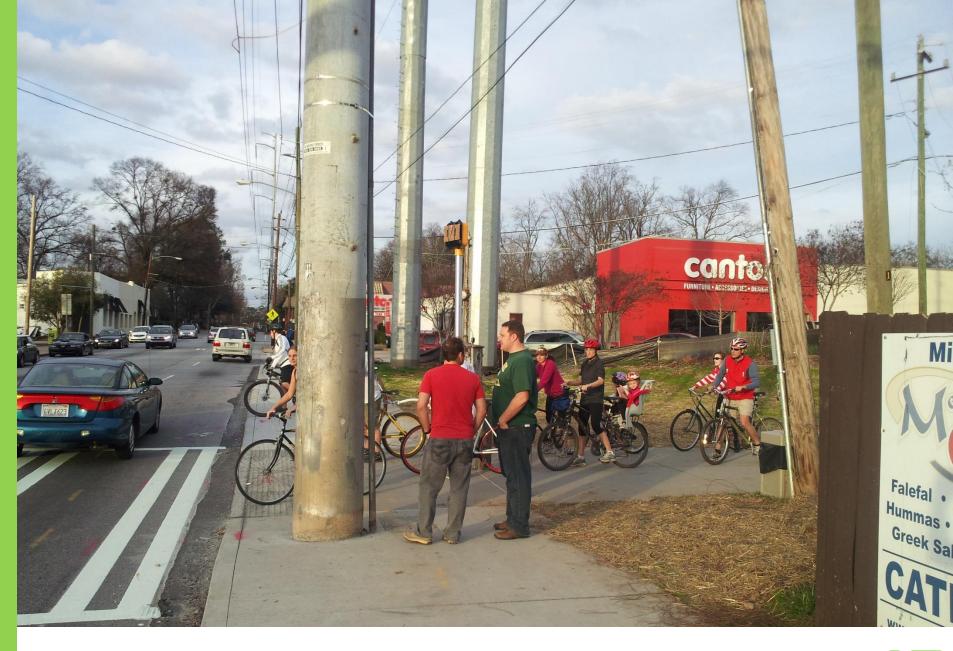
30 Feet Desirable

















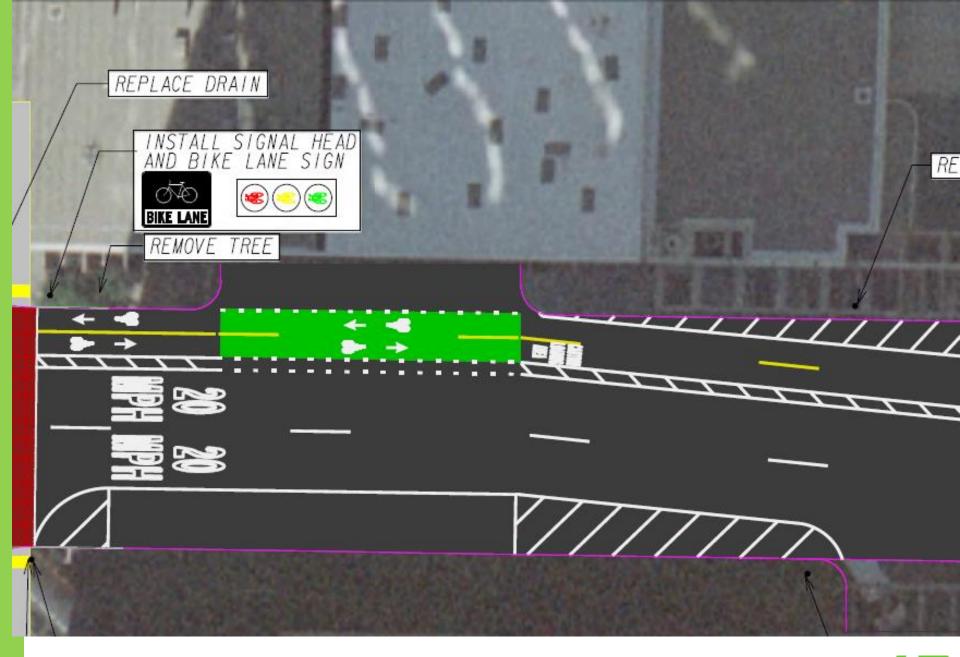
Atlanta, GA - Bollard Protected





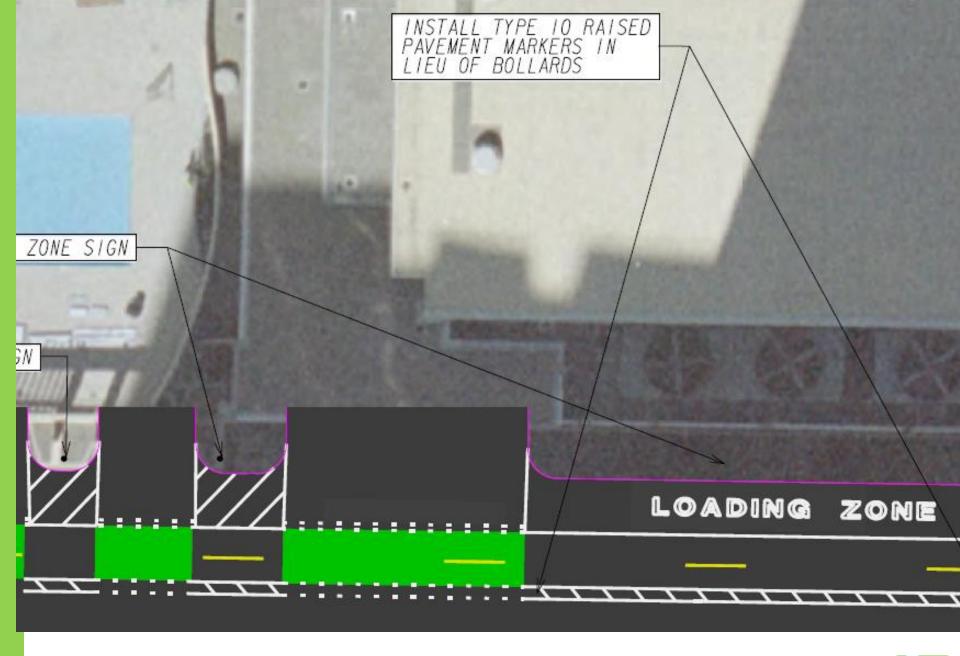
Atlanta, GA - Bollard Protected (After)















Two-Way Protected Bikeways (Raised)

