



Bus Priority Toolbox

April 2021

Toolbox Purpose

- Help identify bus priority treatments to improve bus service and deliver projects faster
 - Build on existing agency thinking
 - Living document
- Advance treatments consistent with the operating conditions in the District
 - District-specific
- Communicate with and educate the public
 - Agency-facing & public-facing version



Use of the Toolbox



Types of Treatments

	Signal Delay	Congestion Delay	Time Spent at the Bus Stop	Delay While Entering Bus Stop	Delay While Re-entering Traffic	Inefficient Route Design	Bus/Bike Interactions	Compliance
● Indicates Primary Objective ○ Indicates Secondary Objective								
1.0 Bus Operations Strategies								
1.1 Stop Relocation	●						○	
1.2 Stop Rebalancing			●					
1.3 Route Design & Alignment						●		
1.4 Fare Payment Changes & All-Door Boarding			●					
2.0 Traffic Control Strategies								
2.1 Bus Movement Exemptions	○	○				●		
2.2 Transit Signal Priority (TSP)	●	○						
2.3 Queue Jumps		●			○			
3.0 Bus Stop Infrastructure Strategies								
3.1 Bus Stop Cross Hatching			○	○				●
3.2 Bus Stop Lengthening			○	●				
3.3 Bus Bulb-Outs				○	●			
4.0 Bus Lane Strategies								
4.1 Curbside Bus Lanes		●						
4.2 Offset Bus Lanes		●						○
4.3 Contraflow Bus Lanes		●						○
4.4 Busways		●				○		
4.5 Red-Colored Pavement		○						●
4.6 Automated Bus Lane Enforcement		○						●
5.0 Bike and Bus Strategies								
5.1 Separated Bike-Bus Lanes		○					●	
5.2 Left Side Bike Lanes							●	
5.3 Bike-Pedestrian Mixing Platform					○		●	
5.4 Narrow Floating Bus Islands					○		●	
5.5 Wide Floating Bus Island					○		●	

Bus Operations Strategies

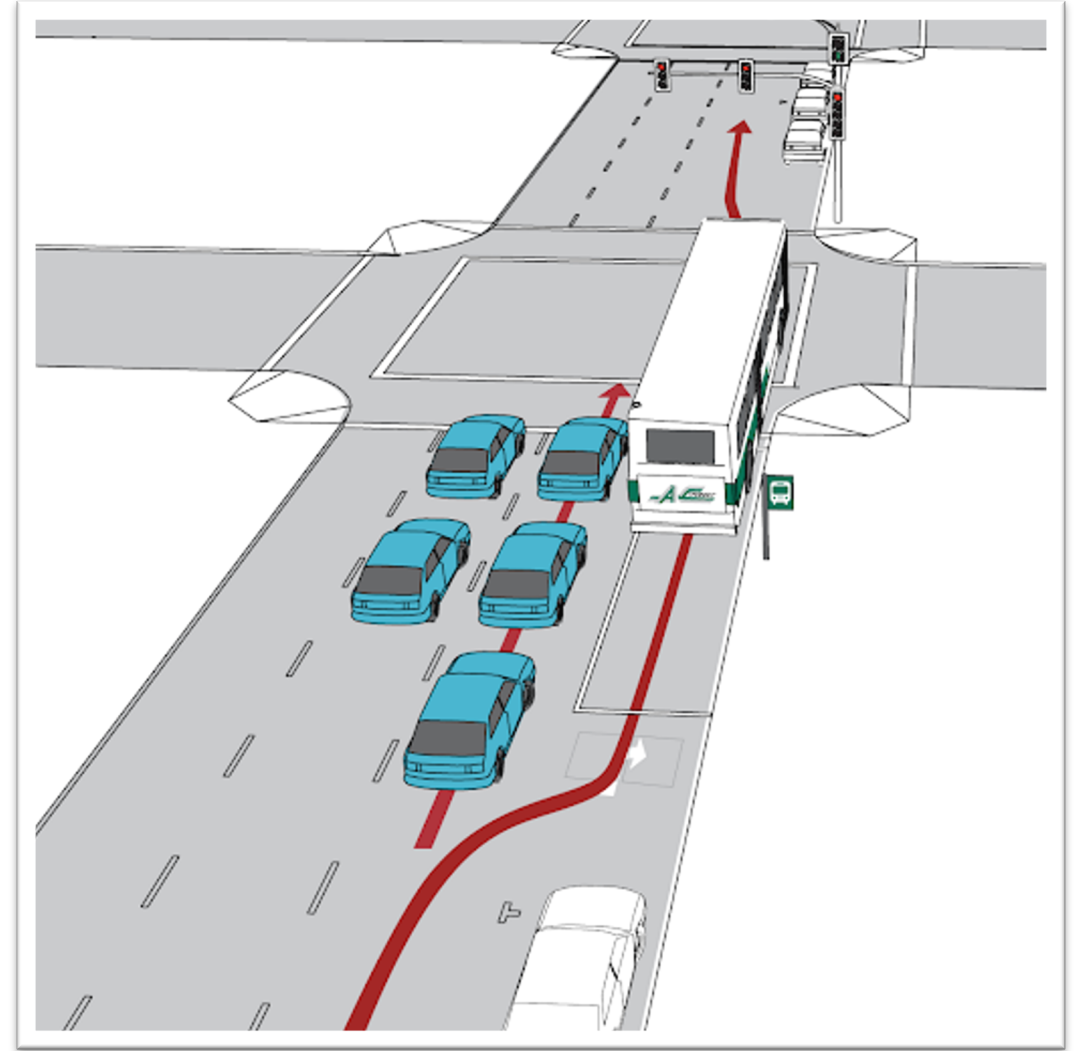
- Stop Relocation
- Stop Rebalancing
- Route Design and Alignment
- Fare Payment Changes and All-Door Boarding



Image by StreetsBlog LA

Traffic Control Strategies

- Bus Movement Exemptions
- Transit Signal Priority (TSP)
- Queue Jumps



Graphic by AC Transit

Infrastructure Strategies

- Bus Stop Cross Hatching
- Bus Stop Lengthening
- Bus Bulb-outs



Photo by Zicla

Bus Lane Strategies

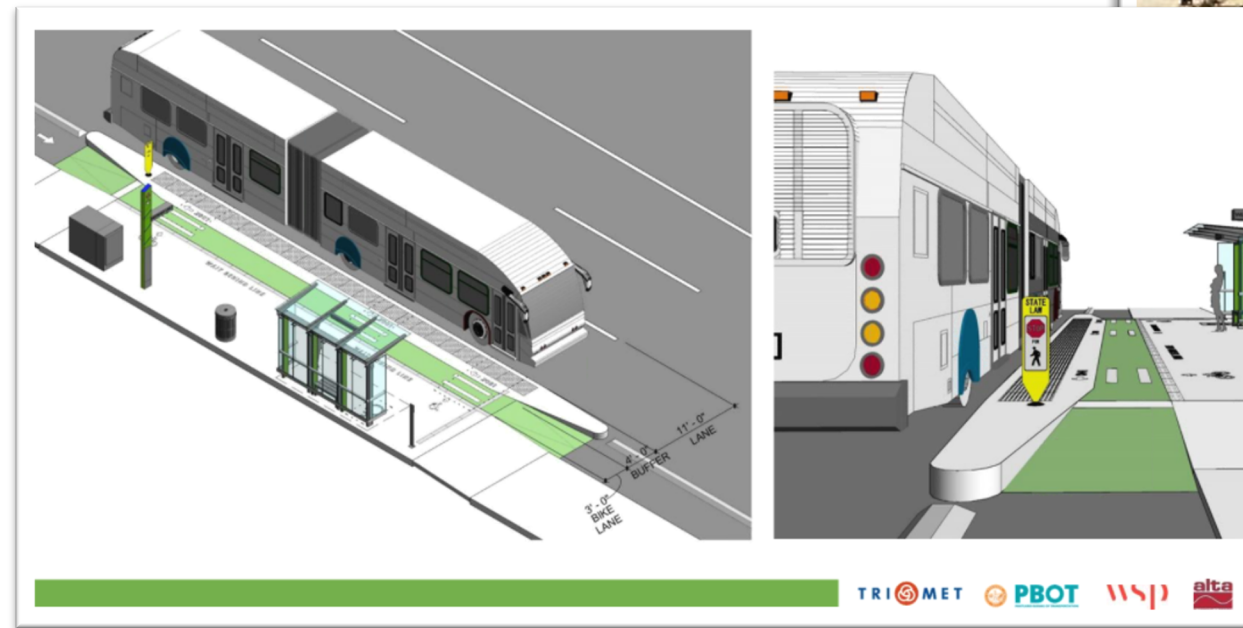
- Curbside Bus Lanes
- Offset Bus Lanes
- Contraflow Bus Lanes
- Busways
- Red-Colored Pavement
- Automated Bus Lane Enforcement



Photo by SF Streetsblog

Bicycle and Buses Strategies

- Separated Bike-Bus Lanes
- Left Side Bike Lanes
- Bike-Pedestrian Mixing Zone
- Narrow Floating Bus Island
- Wide Floating Bus Island



Where to Find the Toolbox

Go to ddot.dc.gov/page/bus-priority



Navigate to Bus Priority Plan and Resources

d.

District Department of Transportation