

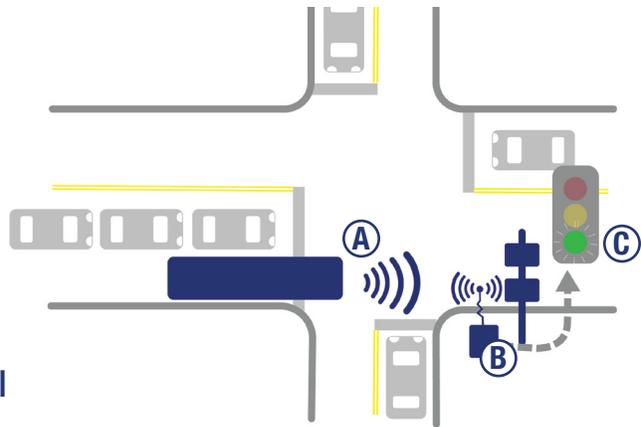
## TRANSIT SIGNAL PRIORITY

Transit Signal Priority, or TSP, improves bus speed and reliability. Niagara Frontier Transportation Authority (NFTA) is working with the City of Buffalo to add TSP to most traffic signals in the Bailey Avenue corridor as part of the BRT project.

### HOW TSP WORKS

TSP uses special technology to help buses move more efficiently through intersections.

- (A)** Detection systems identify approaching BRT vehicles.
- (B)** Signal adjustments extend green lights or shorten red phases to let buses pass.
- (C)** Buses are given priority to stay on schedule while also keeping general traffic moving.



### BENEFITS OF TSP



#### *Reduced Travel Time*

Helps buses move through intersections more efficiently, cutting down delays, shortening overall trip times.



#### *Improved Reliability*

Transit vehicles stay closer to schedule, making arrival times more predictable and reducing wait times for riders.



#### *Operational Cost Savings*

More efficient movement through corridors reduces fuel use, vehicle wear, and the need for additional buses.



#### *Environmental Benefits*

Less idling and smoother traffic flow lower emissions, contributing to cleaner air.