

NEW YORK CITY DEPARTMENT OF TRANSPORTATION

TRANSIT SIGNAL PRIORITY STATEN ISLAND, NEW YORK

Project Location

Victory Boulevard/Bay Avenue Corridor extending from Saint George Terminal to Forest Avenue (1.5 miles). Includes 14 signalized intersections and over 30 bus routes in the am and pm peak periods.

Project Goals

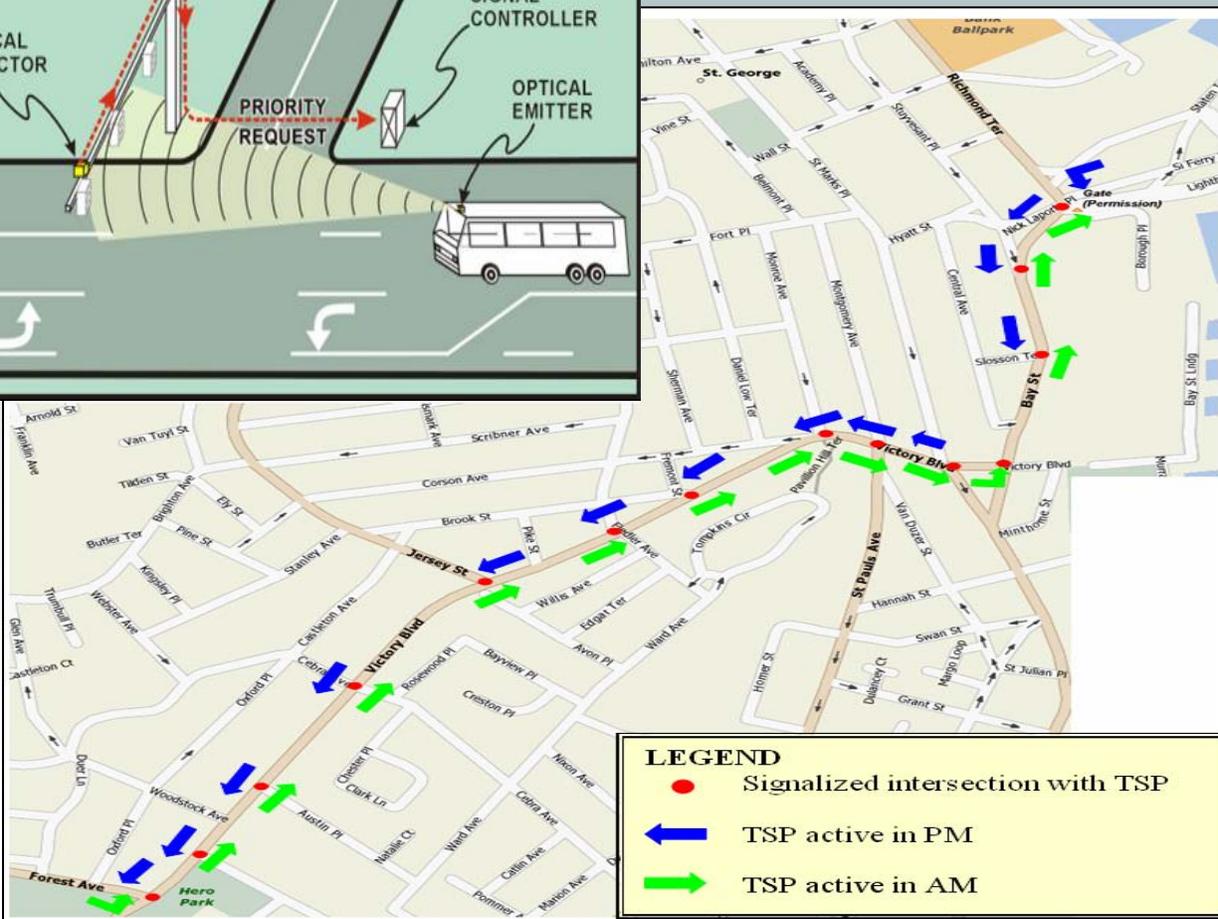
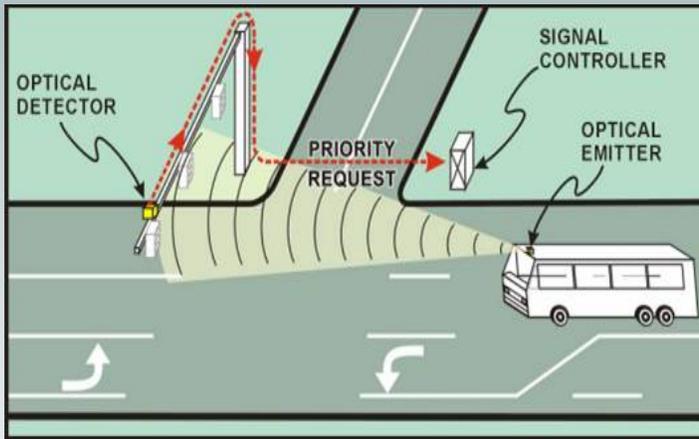
- Improve corridor mobility
- Improve on-time Bus performance
- Improve intersection traffic operation
- Encourage use of transit mode

Transit Signal Priority (TSP) Equipment Investment

- 300 MTA Buses fitted with emitters
- 14 intersections fitted with detectors and phase selectors

Study Conclusions

- Signal optimization reduced vehicle and bus delay
- Addition of TSP further reduced bus travel times without increasing overall traffic delay

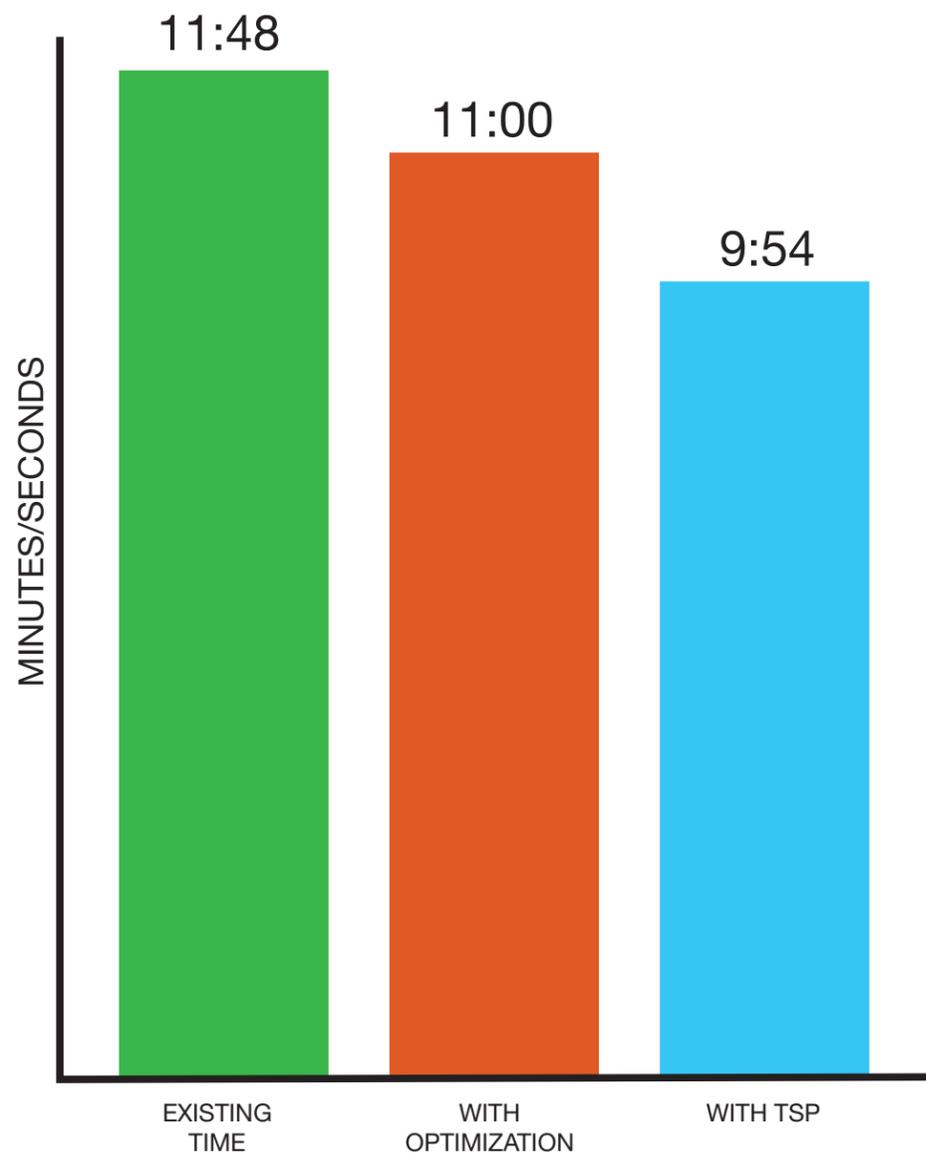


TRANSIT SIGNAL PRIORITY (TSP)

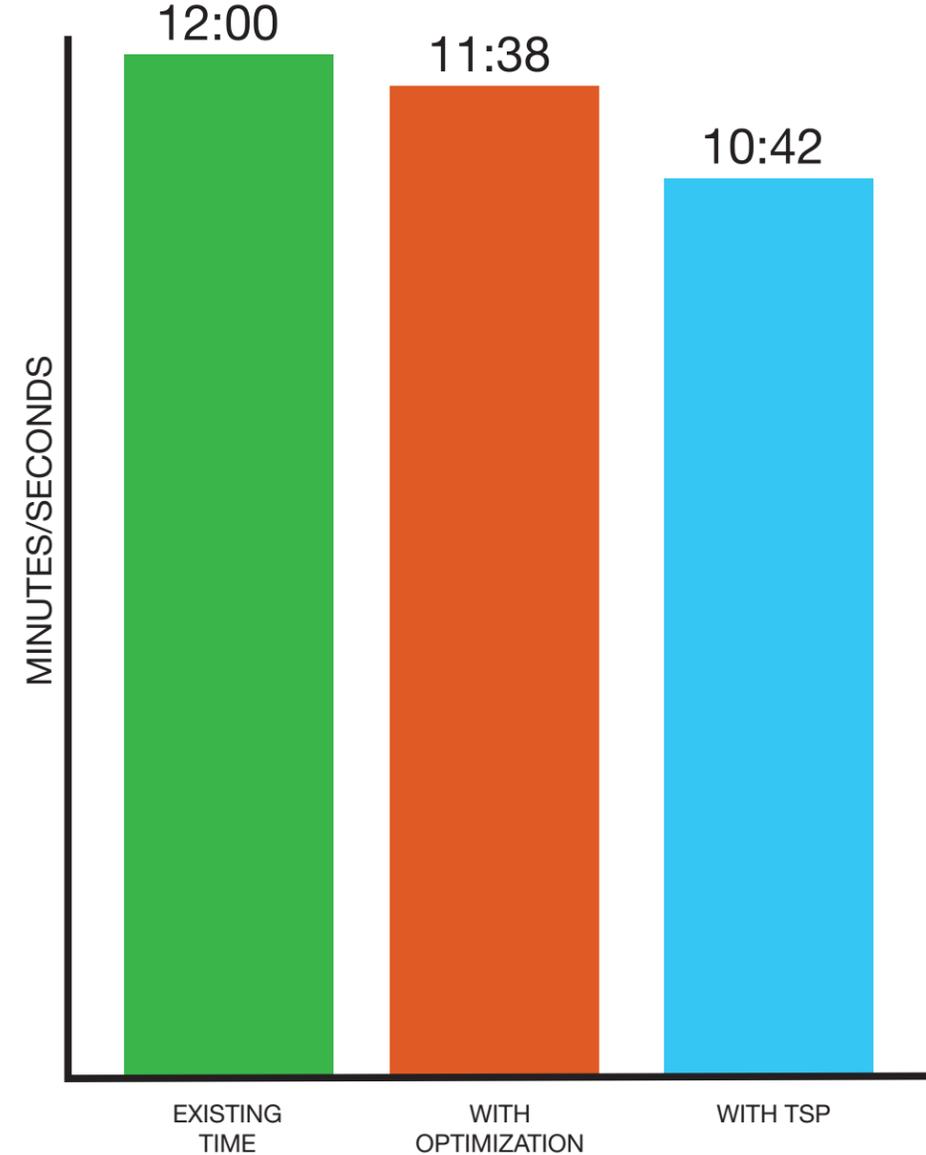
Time Savings During Rush Hours Along Victory Blvd./Bay Street Corridor

OVERALL TIME SAVED: 17%

OVERALL TIME SAVED: 11%



AM RUSH (6^{AM} - 9^{AM})
Time from Forest Avenue/Victory Blvd to St. George Ferry Terminal



PM RUSH (4^{PM} - 7^{PM})
Time from St. George Ferry Terminal to Forest Avenue/Victory Blvd