

2021-2024 TIP Amendment: Baltimore Citywide Traffic Signals, Intelligent Transportation System and Safety Improvements

September 2020







Baltimore City Signal Timing Optimization

Project 1284

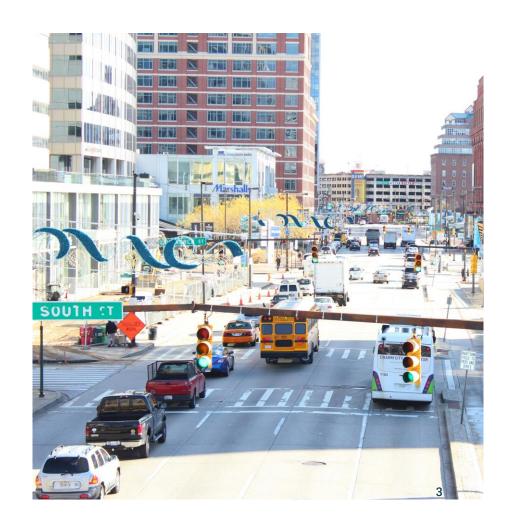




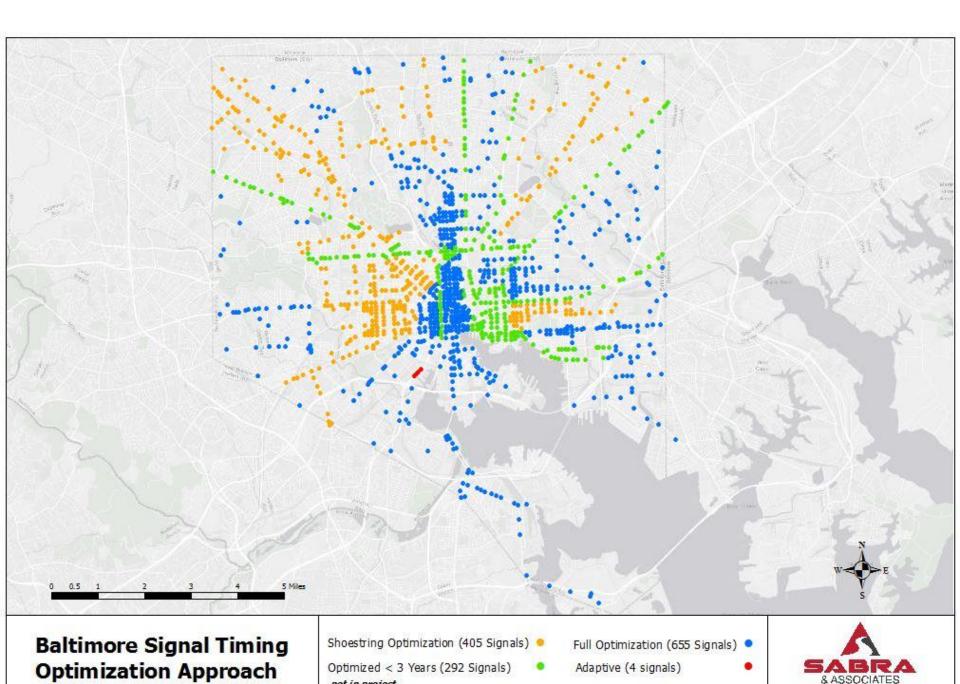
Project Scope



- Signal Timing Optimization at 1,100 Intersections
- Time of Day/ Events
 - AM Peak,
 - Mid-day,
 - PM Peak,
 - Weekends,
 - Overnight, and
 - Special events
 - Orioles baseball,
 - Ravens football







not in project

Project Description



- Data collection
- Inventory and Asset Management of Signal Timing Data from TMC & Field

Develop Citywide Simulation Models to Optimize Signal Timing

& Phasing

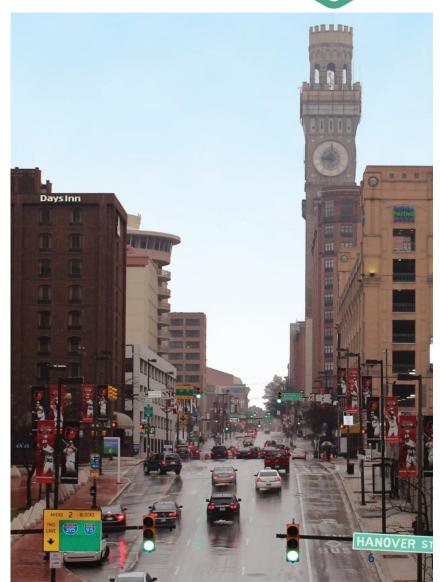




Project Description (Cont.)



- Implementation of Optimized Signal Timing
- Field Observation, Before & After Timing Implementation
- Fine-Tuning of Optimized Signal Timings
- Performance Monitoring
- Cost-Benefit Analysis
- Staff Training on Controller Firmware, Programming, & Optimization





Project Cost & Schedule



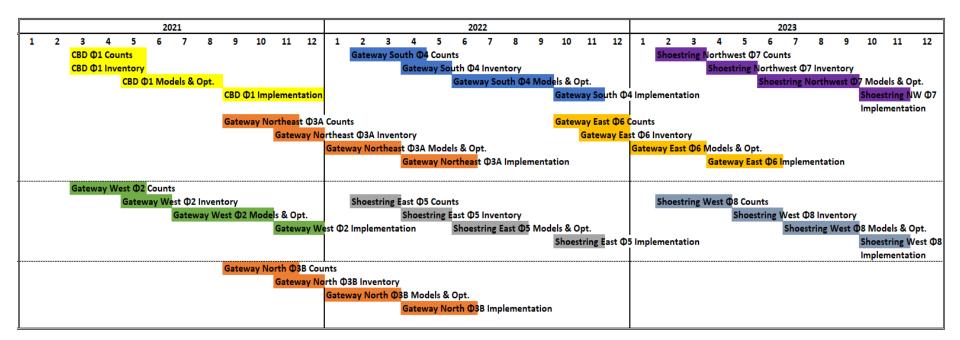
Total Cost: \$4.5M

Federal Aid: \$3.6M

Local Funds: \$900,000

Notice to Proceed: Expected Early 2021

Completion: Expected End of 2023







For More Information

Raj Sharma | Baltimore City

443-984-2150 | raj.sharma@baltimorecity.gov

