



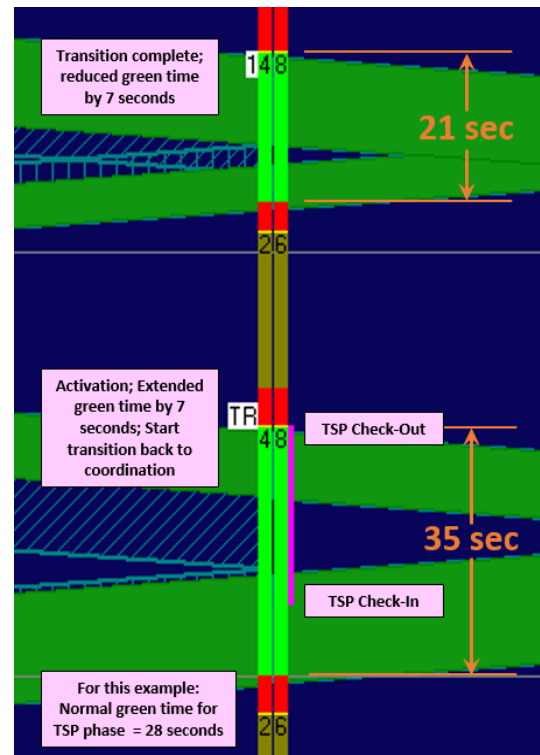
Project Name: COP Transit Signal Priority (TSP) System Performance
Owner/Client: Kimley-Horn and Associates, Inc.
Type of Project: Performance Measurement/Data Collection
Location: Philadelphia
Completion Date: 2016

Project Description

The City of Philadelphia, Southeastern Pennsylvania Transportation Authority (SEPTA) and PennDOT sought to improve transit vehicle running time and reliability as well as improve traffic flow along capacity constrained arterials. This project will implement transit signal priority on four key corridors encompassing 124 signalized intersections in the region.

KMJ's Approach

KMJ is responsible for data collection along four key transit routes in the City of Philadelphia. This work consists of gathering transit vehicle travel time data, prior to implementation and post implementation to quantify the impact of providing transit signal priority (TSP) operations on transit vehicles. KMJ evaluated corridor performance using the KITS mobile application, which monitored progress along SEPTA Routes 6, 52, 60 and 66, noting stops/starts/speed, etc. Currently KMJ has completed data collection for the SEPTA Route 60 bus (on Allegheny Avenue in North Philadelphia) and SEPTA Route 66 trackless trolley (on Frankford Avenue in Northeast Philadelphia). Data collection for SEPTA Route 6 (on Ogontz Avenue in North Philadelphia) and SEPTA Route 52 (on 52nd Street in West Philadelphia) is set for the upcoming months. The collection and analysis of data will provide a measure for the overall effectiveness of the transit priority system.



Client Contact/Reference

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