



Whitpain Township

Congestion Mitigation and Air Quality (CMAQ) Grant Project

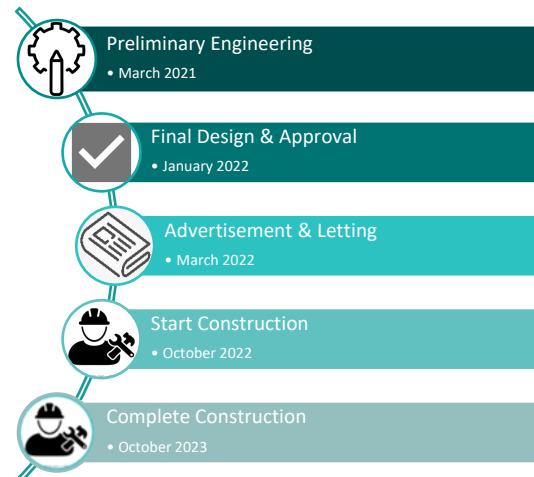
Skippack Pike (SR 0073) Traffic Signal System

Project Overview

Traffic signals and their subsequent operation have direct effects on motorists and the environment that we all live in. Inefficient traffic signal operations can result in traffic congestion as well as an increase in vehicle emissions that can negatively affect air quality. Through the Delaware Valley Regional Planning Commission's competitive CMAQ program, federal funds have been allocated for proposed improvements along Skippack Pike. These improvements are focused on improving air quality and reducing traffic congestion in the DVRPC area.

The proposed Skippack Pike (SR 0073) Traffic Signal System Project will create an interconnected traffic signal system along a heavily traveled major arterial that bisects Whitpain Township. Interconnecting the existing traffic signals will allow for optimization through use of an Automated Signal Performance Measures (ASPM) software. Additionally, this project will build upon investments that Whitpain Township has made to upgrade traffic signal equipment along the Skippack Pike (SR 0073) Corridor. This effort will result in decreased congestion on the Skippack Pike (SR0073) corridor as well as reduced emissions.

Schedule



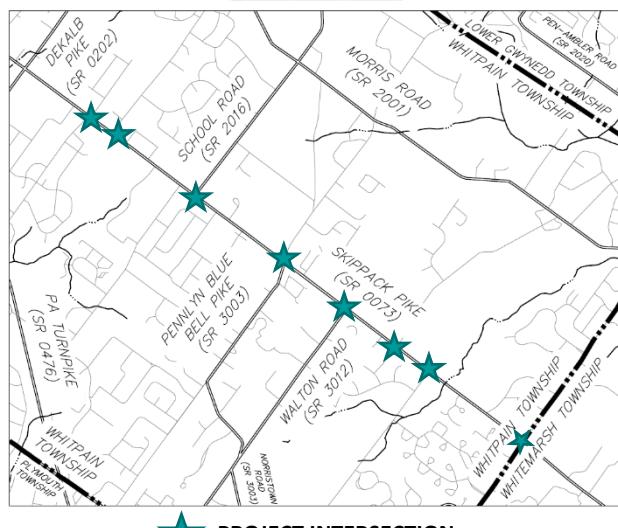
Goals

- Achieve maximum efficiency along the Skippack Pike (SR 0073) corridor in order to reduce travel time, fuel consumption and harmful emissions
- Provide a fiber connection from the traffic signals to the PennDOT District 6-0 Traffic Management Center and the Township Building to allow for remote monitoring capabilities
- Optimize the efficiency of the corridor through use of Automated Traffic Signal Performance Measures

What are Automated Traffic Signal Performance Measures?

Metrics that show real-time and historic functionality at signalized intersections. This allows traffic engineers to measure what could previously only be modeled. These metrics can be used to identify operational deficiencies, optimize mobility and help manage signal timing and maintenance.

LOCATION MAP



Additional Information

Anton K. Kuhner, P.E. PTOE | Senior Project Manager
McMahon Associates, Inc.
 (215) 283-9444 x1219
 akuhner@mcmahonassociates.com

Project Partners

