



**Project Name:** E03413 Low-Cost Safety Improvements  
**Owner/Client:** HNTB-Pennsylvania Department of Transportation  
**Type of Project:** Traffic Engineering / Signal Design  
**Location:** PennDOT District 6 – Bucks, Delaware, Philadelphia Counties  
**Completion Date:** 2020  
**Contract Value:** \$287,500

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## Project Description:

PennDOT District 6-0 is seeking innovative low cost safety approaches to improve high crash locations and corridors within the district. PennDOT has initiated low cost safety improvements in the past five years to reduce the number of fatalities on Pennsylvania roadways. Types of low cost safety countermeasures include, improved signage, pavement markings, traffic signal design and pedestrian signal installation.

## KMJ's Approach

**Levick Street** - Levick Street from Farnsworth Street to Tulip Street, is a 1.3mile one-way roadway with heavy pedestrian travel. **KMJ was responsible for preparing traffic signal plans for ten (10) intersections as well as an interconnect plan.** This involved verifying existing conditions, developing traffic signal permit plans, and final design in accordance with both City of Philadelphia and PennDOT standards. KMJ actively participated in the design field view and coordinated with the City of Philadelphia utilities manager.



**New Falls Road** - **KMJ is responsible for preparing traffic signal plans for five signalized intersections along New Falls Road in Bucks County.** This involves verifying existing conditions, calculating clearance timings and conflict factors, and preparing the plan set and tabulations. KMJ is creating Traffic Control plans for the corridor construction workzone. KMJ will also coordinate with the Highway Lighting Unit for design requirements and approval of any temporary lighting needed as part of the Traffic Control Plans.

**Intersection Safety Implementation Plan (ISIP)** - KMJ is responsible for preparing improvement plans and signal designs for various intersections in all five District 6-0 counties. **This involves creating and/or updating signal permit and/or ISIP plans.**

## Client Contact/Reference

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