



EAST WHITELAND TOWNSHIP

THE HEART OF GREAT VALLEY

209 Conestoga Road
Frazer, Pennsylvania 19355-1699
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Board of Supervisors: Susan Drummond • Scott Lambert • Richard Orlow **Township Manager:** John Nagel

June 26, 2019

Ashwin Patel, P.E.
PennDOT District 6-0
7000 Geerdes Boulevard
King of Prussia, PA 19406

RE: Sproul and King Roads

Dear Ashwin:


As you are aware, East Whiteland and East Goshen Townships have partnered to evaluate transportation improvements for the intersection of Sproul Road (PA Route 352) and King Road. The intersection is controlled by a three-phase traffic signal, with split phasing on the King Road approaches. King Road intersects PA Route 352 with a skewed, off-set alignment, and there are no separate left-turn lanes on PA Route 352. As a result, the left-turn movements from PA Route 352 are interlocking, which creates safety issues and added delay. Both Townships originally set out to identify a transportation solution to improve the safety and congestion issue created by the awkward layout of the intersection.

A total of four improvement options have been evaluated thus far, of which three of the options include road widening to address the intersection alignment and or to provide left-turn lanes. Other non-geometric options were evaluated, consisting of traffic signal phasing and timing changes. We request PennDOT's input regarding implementation of traffic signal improvements. If feasible, and if effective to address the safety issues, and most notably the interlocking left-turn movements, we prefer to implement a traffic signal only solution. Based on the feedback from the community, two specific traffic signal only improvement ideas have been identified, consisting of the following:


1. A four-phase traffic signal with separate signal phases for each leg of the intersection with the addition of vehicle detection on the PA Route 352 approaches to allow the traffic signal to adjust between the PA Route 352 and King Road traffic signal phases based on traffic volume demand. We understand that this may require increasing the length of the cycle for the signal.
2. Addition of vehicle detection on the PA Route 352 approaches to allow the traffic signal to adjust between the PA Route 352 and King Road traffic signal phases based on traffic volume demand.

We understand that PennDOT has authority for approving traffic signal improvements as part of the Traffic Signal Permit, and therefore, in addition to the above-described traffic signal only improvement ideas, we welcome PennDOT's input on any other traffic signal solutions that may improve traffic conditions and the safety issues created by the awkward layout of the intersection. Again, if feasible, and if effective to address the issues, we prefer to implement a traffic signal only solutions.

We welcome your feedback and we appreciate your attention on this.



John B. Nagel, Township Manager
East Whiteland Township



Rick Smith, Township Manager
East Goshen Township