

# HNTB Platinum Session

## “Highway to the *Innovation Zone*”

- Innovation to Planning – PennDOT District 6-0 Connects Program
- Innovation to Data Collection/Traffic Modeling
- Innovation to Design/Safety

Thursday, December 6, 2018  
Session 3A – Room 207





## Connecting Pennsylvania- Planning and Engineering in District 6-0

# Today's Agenda and Presenters

## 1. Overview of PennDOT Connects in District 6-0

Ryan Whittington, PE (HNTB)

*PennDOT Connects Coordinator and Consultant PM, HNTB*

## 2. DVRPC Bicycle Level of Traffic Stress Tool Update

Jesse Buerk (DVRPC)

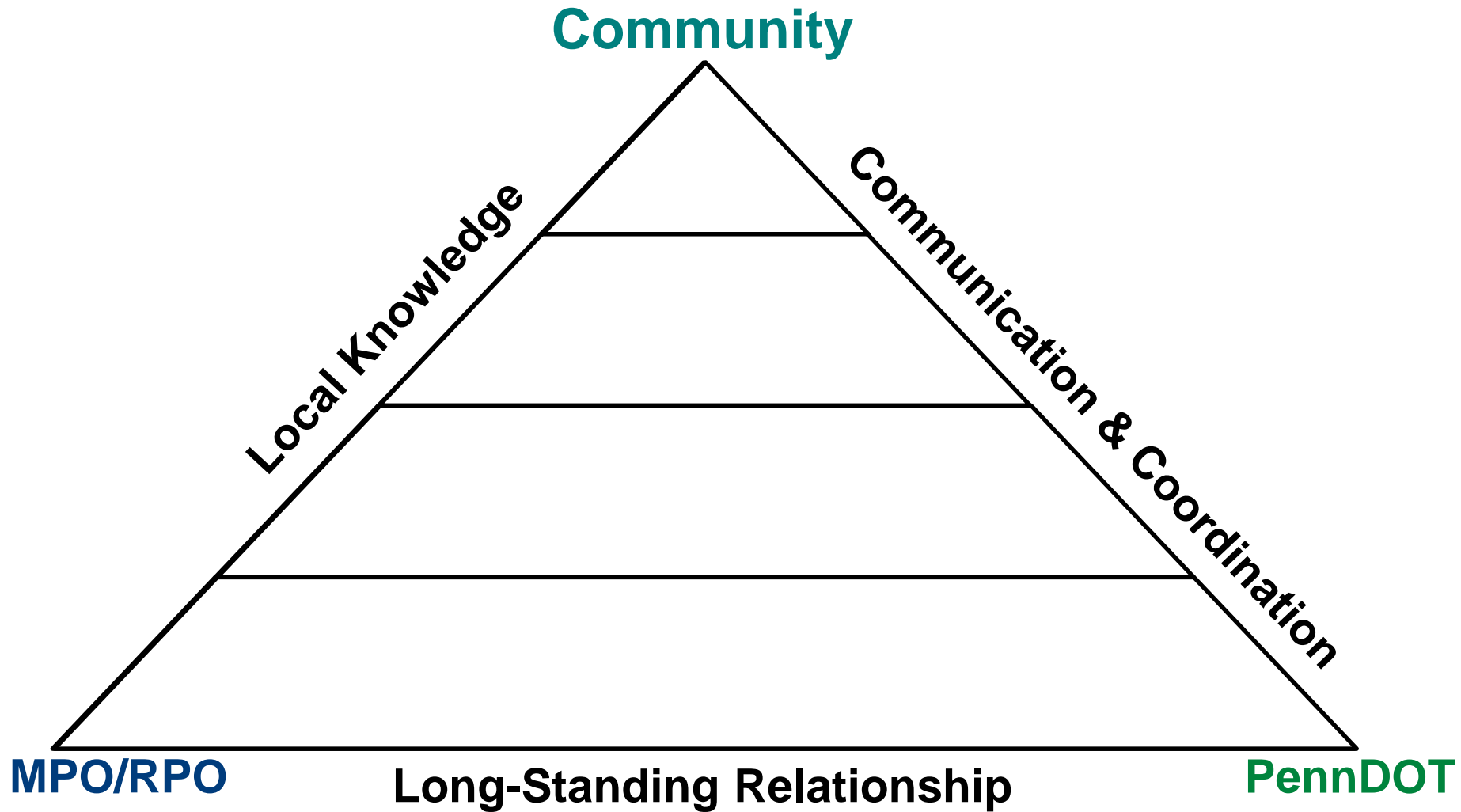
*Manager of Capital Program Development, DVRPC*

## 3. Implementing Connects- Current District Projects

Tim Stevenson, PE (PennDOT District 6-0)

*Portfolio Manager, PennDOT Engineering District 6-0*

# A Partnership



# Roles & Responsibilities- District 6-0

Provide local knowledge and Community's vision

**Municipalities**

- Administrators
- Road Masters
- Transit Partners
- Emergency Services

Connect municipalities with the resources to help them execute their vision

**Planning Partners**

- DVRPC
- County Planners

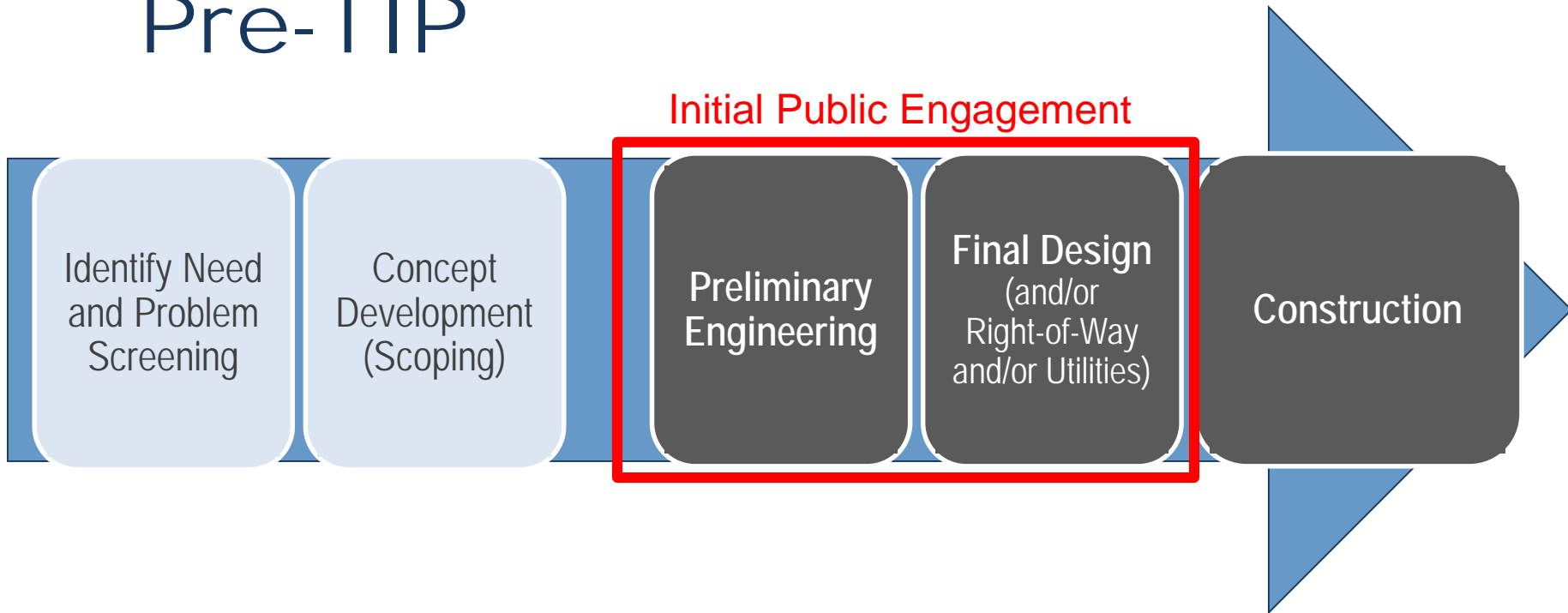
Hold meaningful coordination with municipalities and conduct planning studies to support their goals

**PennDOT  
District 6-0**

- Project Managers
- Connects Coordinators
- Maintenance

# Changing When the Conversation Takes Place

## Pre-TIP





# Pre- Connects Example: Walnut Lane Bridge



Initial Scope

# Goals for District 6-0

## Overall Goal for Connects in District 6-0:

1. Establish a foundation for community relationships
2. Meaningful coordination
3. Identify Community Needs and Wants
4. Build on that foundation with continued communication



# DVRPC Subject Matter Experts

- Congestion Management
- Corridor Planning
- Economic Development
- Environmental Planning
- Freight and Goods Movement
- Long-Range Planning
- Safety
- Smart Growth
- Transit, Bicycle, and Pedestrian Planning
- Transportation Operations





# BICYCLE LTS

## & CONNECTIVITY ANALYSIS



# SE PA Suburban Bike Lanes Working Group



PennDOT



Suburban  
Counties



Bicycle  
Coalition



DVRPC

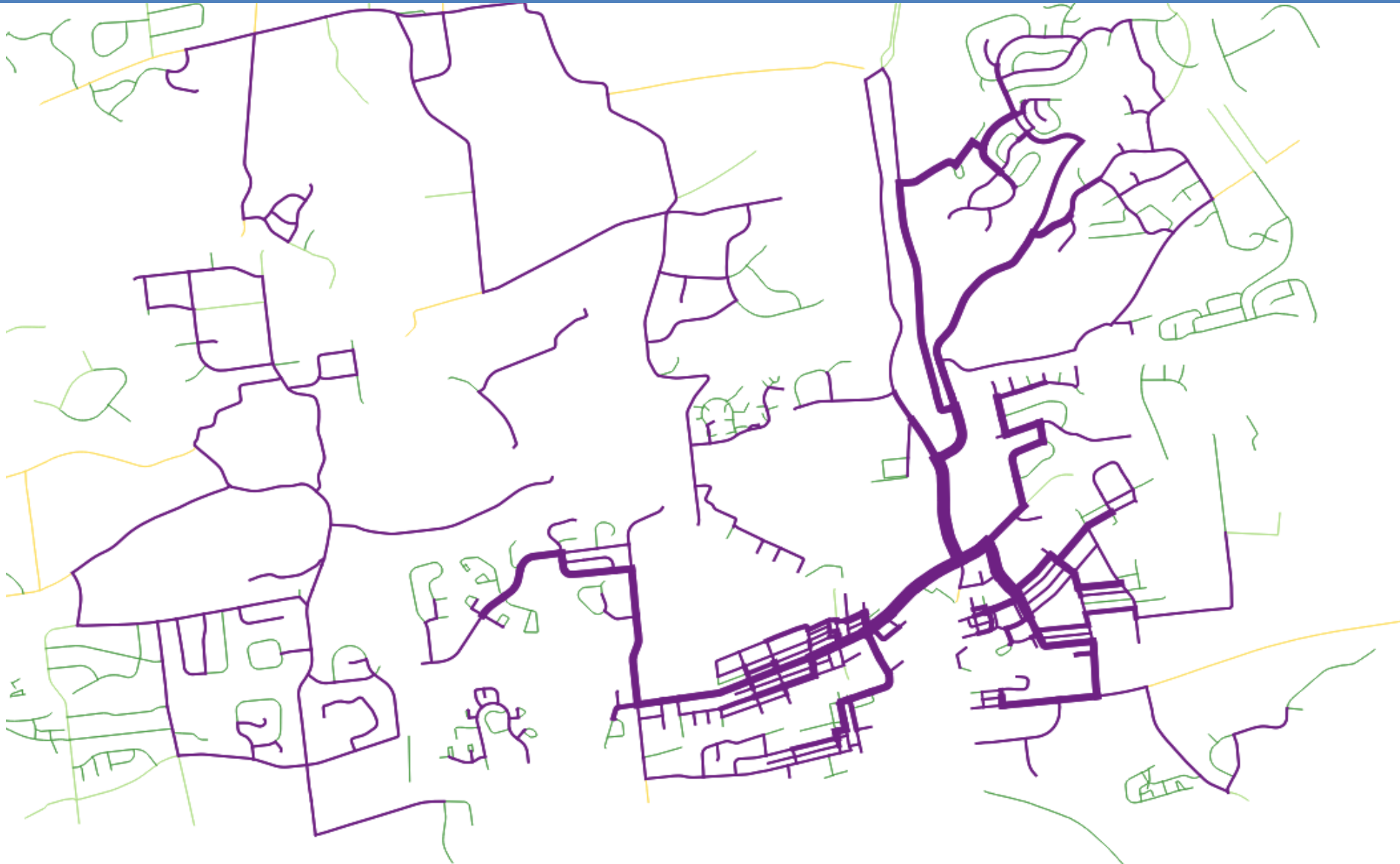
# Level of Traffic Stress (LTS)

LTS	Comfortable Enough For (Cyclist Type)	Characteristics
1	Most People	Lowest stress Comfortable for most ages and abilities
2	Interested, but Concerned	Suitable for most adults Presenting little traffic stress
3	Enthusied and Confident	Moderate traffic stress Comfortable for those already biking in American cities
4	Strong and Fearless	High traffic stress Multilane, fast moving traffic





# Shortest Paths



The image displays a web-based mapping application. At the top left, there is a search bar with the text "Find a place" and a magnifying glass icon. Below the search bar is a "Street View" window. The window title is "Street View" and it contains the text "Click on the map to see the streetview for that location". Below this text are several tabs: "Page", "Map", "Street View" (which is selected), "Birds Eye", "Info", and "All". The main content of the Street View window is a 3D street-level view of a road. The road name "Arcola Rd" is visible on the road surface. Above the street view, there is a location card that reads "Arcola Rd, Collegeville, Pennsylvania" and includes a "View on Google Maps" link. The background of the application is a 2D map of the same area. The map shows various streets, including "Arcola Rd", "Yerkes", "Eagleview", "Audubon", "Wetherills Corner", "Bull Tavern", and "Pickering". There are also labels for "Upper Providence Twp" and "Collegeville". The map is overlaid with various colored lines and shapes, likely representing different types of infrastructure or data layers. At the bottom of the screen, there is a navigation bar with several icons: a blue circle with a white 'S', a green circle with a white car icon, an orange circle with a white pencil icon, a brown circle with a white 'i' icon, a grey circle with a white person icon, a blue circle with a white grid icon, and a blue circle with a white list icon. In the bottom right corner, there is a logo for "esri" and the text "POWERED BY". At the very bottom of the screen, there is a footer with the text "© 2017 Google, Esri, HERE, DeLorme, Intermap, Inc., Swisstopo, USA, USGS | DVRPC, 2017 | Esri, HERE".





# Bike-Friendly Resurfacing Program





# Tools

**SEPA Bike-Friendly Resurfacing Tool** Find address or place

**Regional 5 Year Resurfacing Plan**

- 2018
- 2019
- 2020
- 2021
- 2022
- 2023
- others

**PennDOT Project #:** ST-95    **Proposal Still Active?:** No    **Proposal Source:** DVRPC LTS screening  
**Project Let Date:**    **Anticipated Start of Work:**  
**SR/Name:** SR4038 / Hanover St. / Farmington Ave.    **Limits From:** 8th Street/Oak Street    **Limits To:** Borough line just north of Wilson Street  
**County:** Montgomery    **Municipality(ies):** Pottstown Borough  
**Primary Bike treatment(s) Proposed:** Bike lanes  
**Bike treatment details/notes:** Stripe shoulder as bike lane in both directions  
**Existing Bike LTS:** 3    **Bike LTS if implemented:** 2  
**LTS priority:** Top 40%

Is the facility a candidate for bike-friendly restriping within the existing cartway?

Is the facility a candidate for bike-friendly restriping within the existing cartway?



Initial Priority Screening



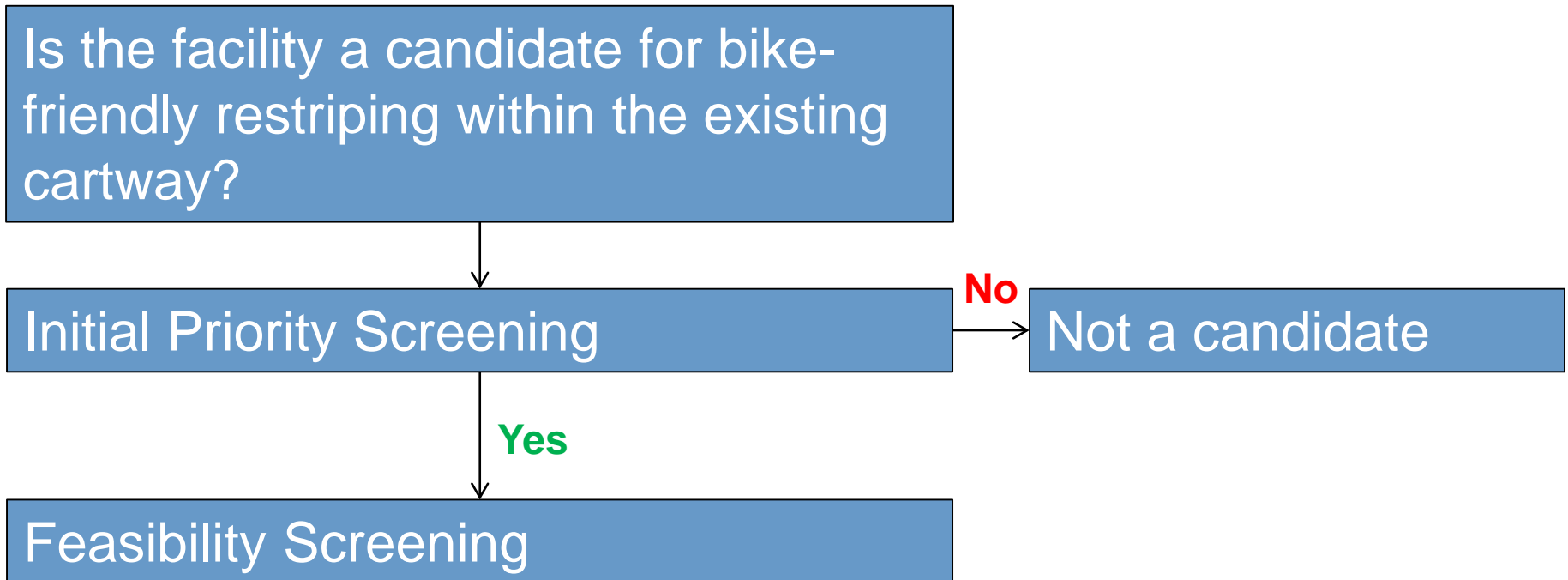
**Legend**

- Regional Priorities (Suburban)
- Suburban LTS 3 Connections

- LTS 3 Link in top 50%
- Connection to Power Line Trail
- On municipal and county plans



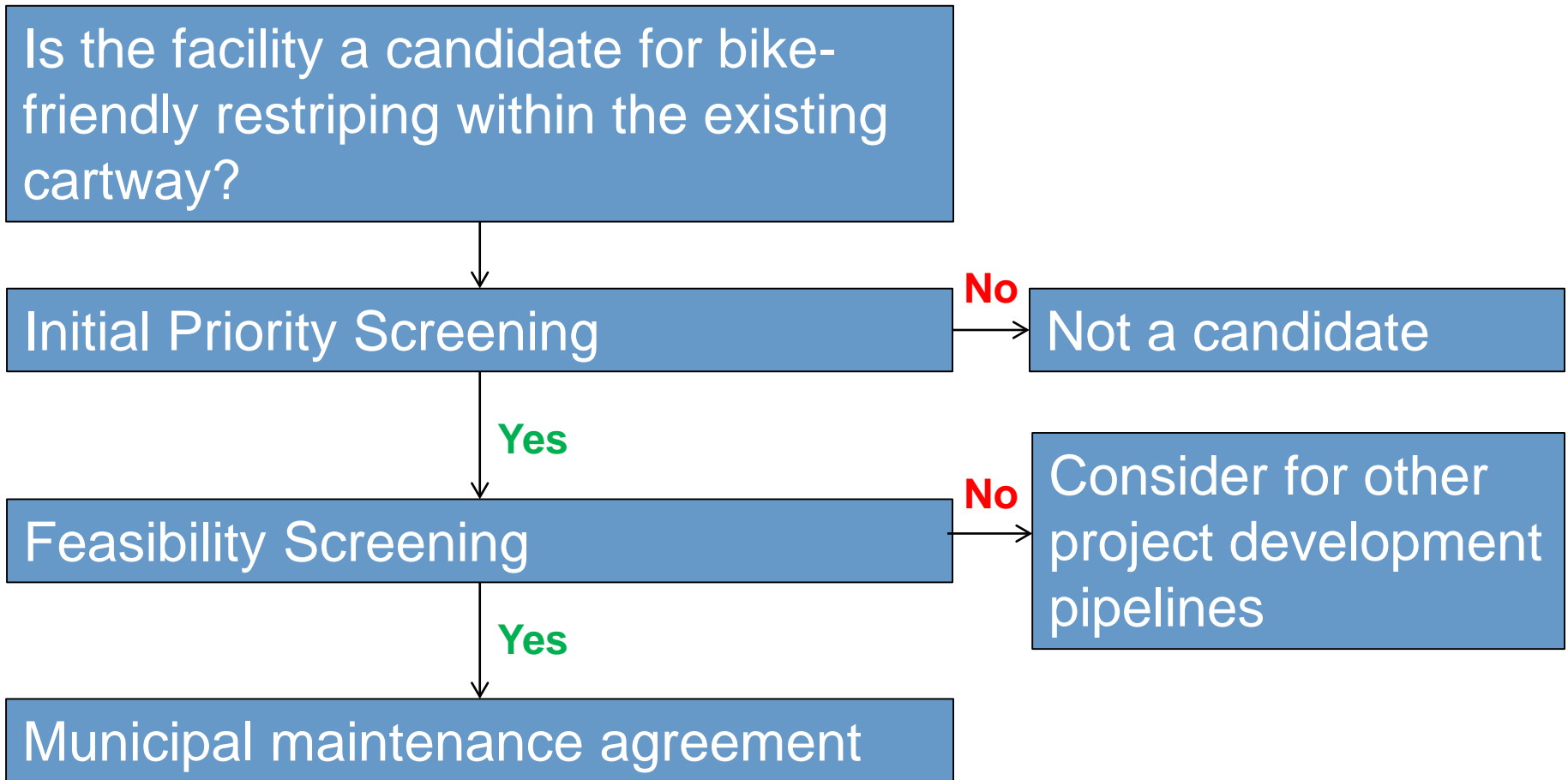




1199 Limekiln Pike  
Ambler, Pennsylvania  
[View on Google Maps](#)

Connection to  
Power Line Trail

Existing Cartway has  
Adequate Width  
(Including Shoulders)





## HORSHAM TOWNSHIP



1025 HORSHAM ROAD

[WWW.HORSHAM.ORG](http://WWW.HORSHAM.ORG)

### COUNCIL

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DIRECTOR OF ADMINISTRATION

April 23, 2018

Kevin Herdin- Sr. Highway Maintenance Manager  
7000 Geerdes Blvd  
King of Prussia, PA 19406

**Subject: Municipal Request to Incorporate Bicycle Facilities into Resurfacing Project**

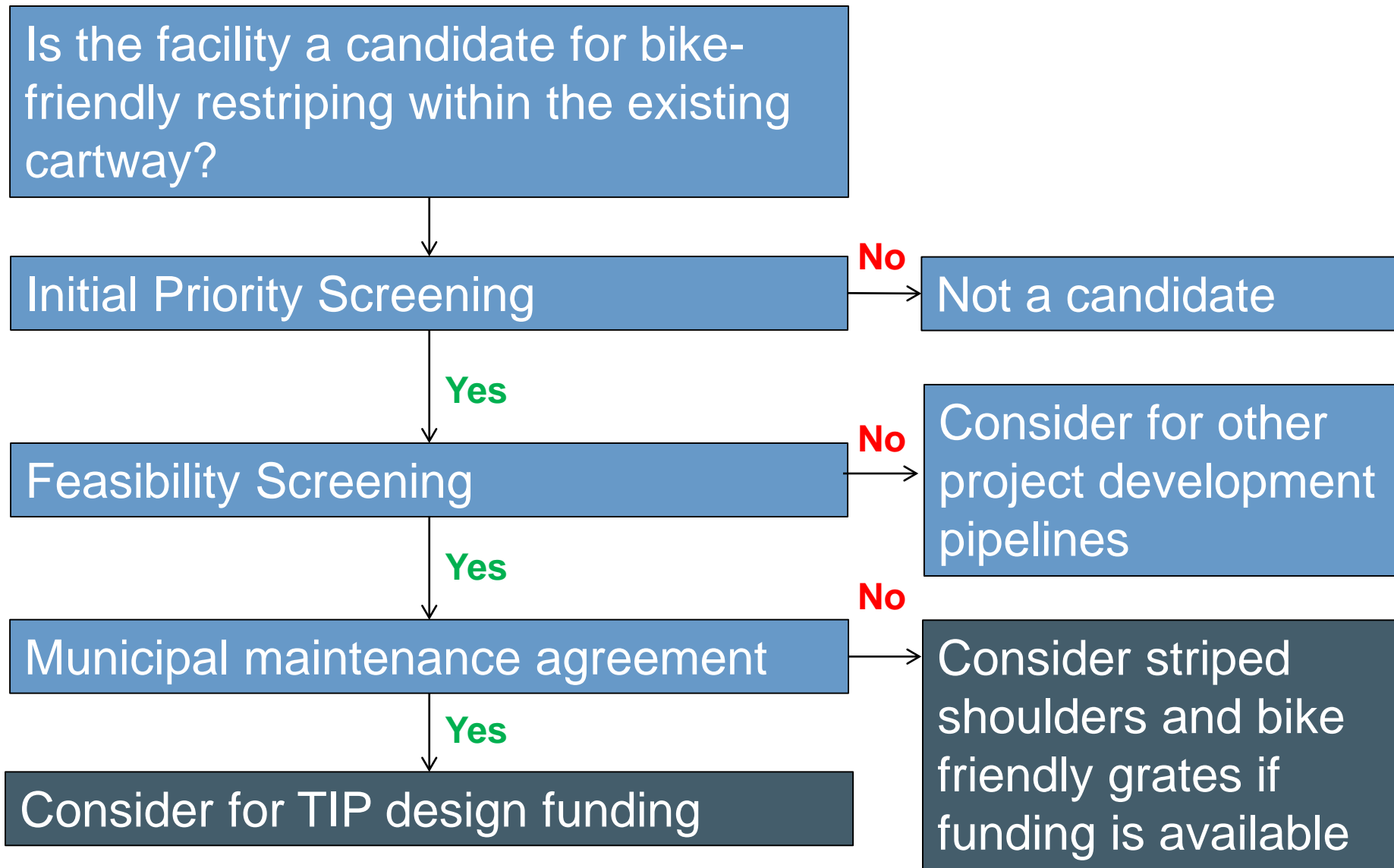
Montgomery County  
Horsham Township  
SR 0152/Limekiln Pike

Dear Kevin:

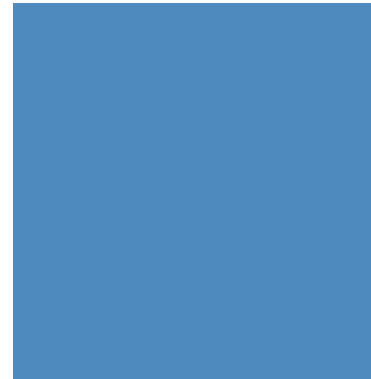
As part of the upcoming PennDOT resurfacing project MD7, and in concert with the **PennDOT Connects Initiative**, Horsham Township would like to request the incorporation of bicycle facilities on SR 0152/Limekiln Pike, with PennDOT to coordinate the necessary design activities. The proposed bicycle facilities are described below:

- **Location:** Limekiln Pike (SR 0152) from Tennis Avenue to Horsham Road
- **Bicycle Facilities Requested:** Stripe shoulder as bike lane in both directions; mark sharrows as necessary (for example, at bridge locations where striping the shoulder as a bike lane is not feasible).





# Implementing Connects in District 6-0



## PA 41 Bridge/Intersection Improvement-

Tim Stevenson, PE

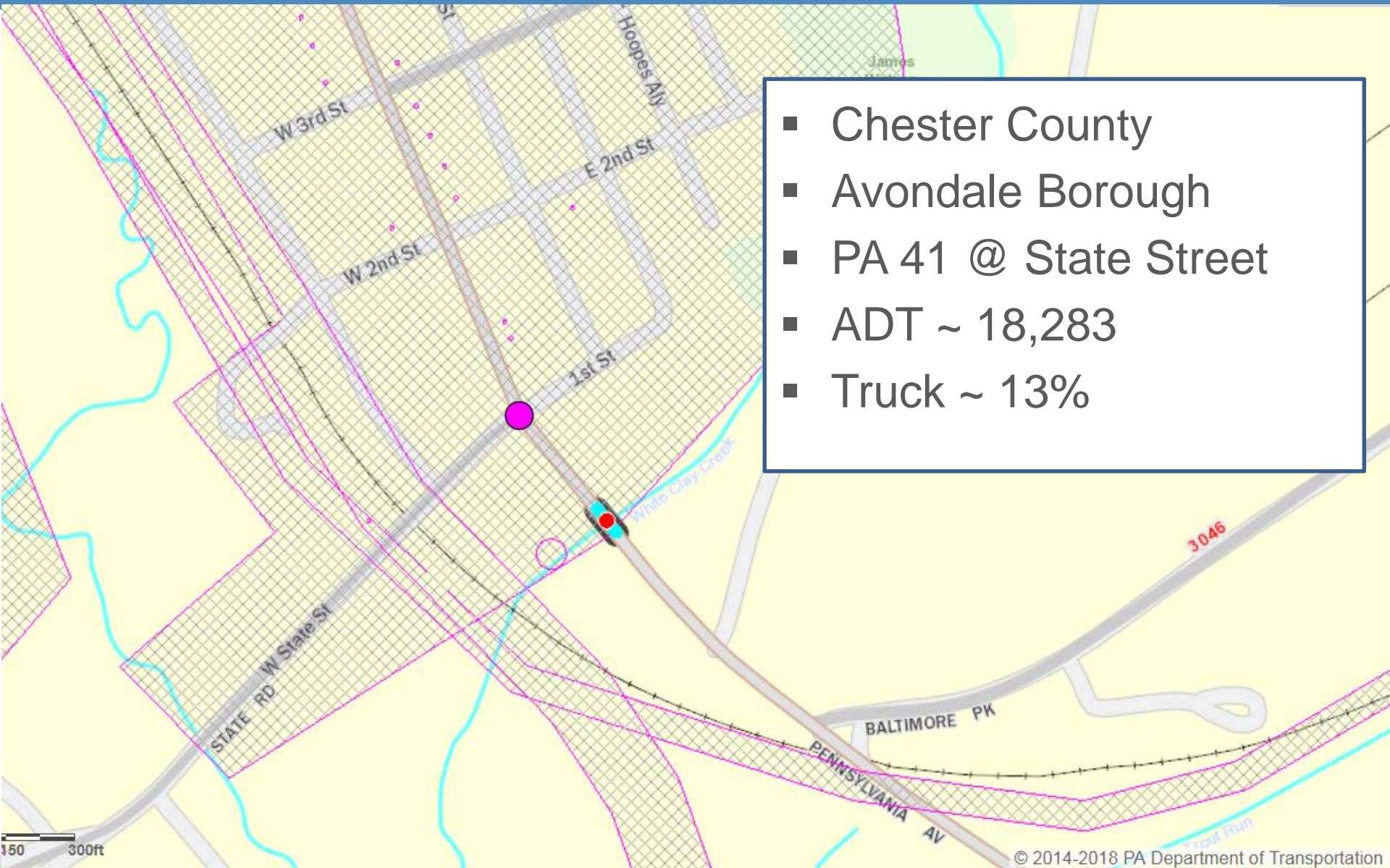


## Bristol Road Study-

Ryan Whittington, PE



# PA 41 Intersection Improvements



- Chester County
- Avondale Borough
- PA 41 @ State Street
- ADT ~ 18,283
- Truck ~ 13%



# Bristol Road Study

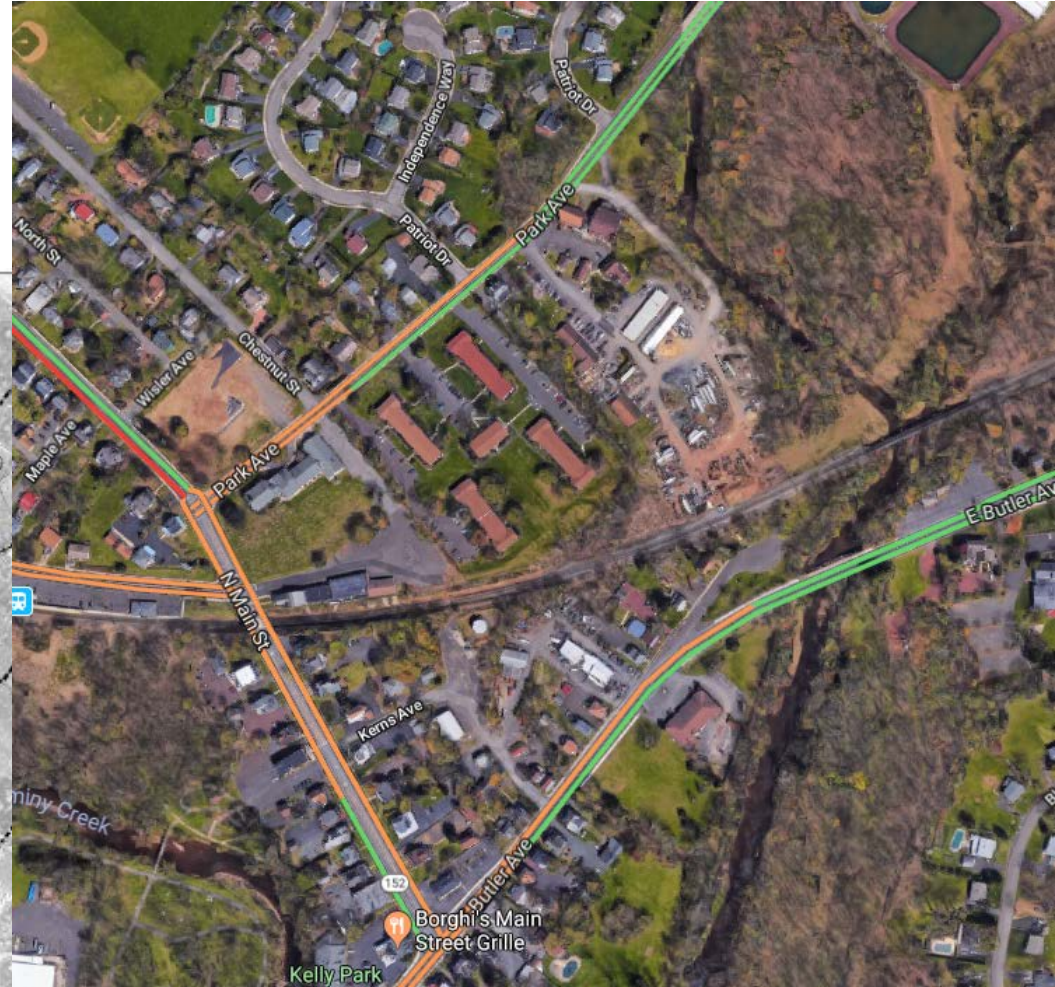


- Initially scoped as extension of Bristol Road
- Community frustration over lack of roadway network/EMS response times
- Shifted purpose of the project to an alternatives analysis and engaged community



# Bristol Road Study

- Assessment of network mobility and problem areas





# Alternative Development

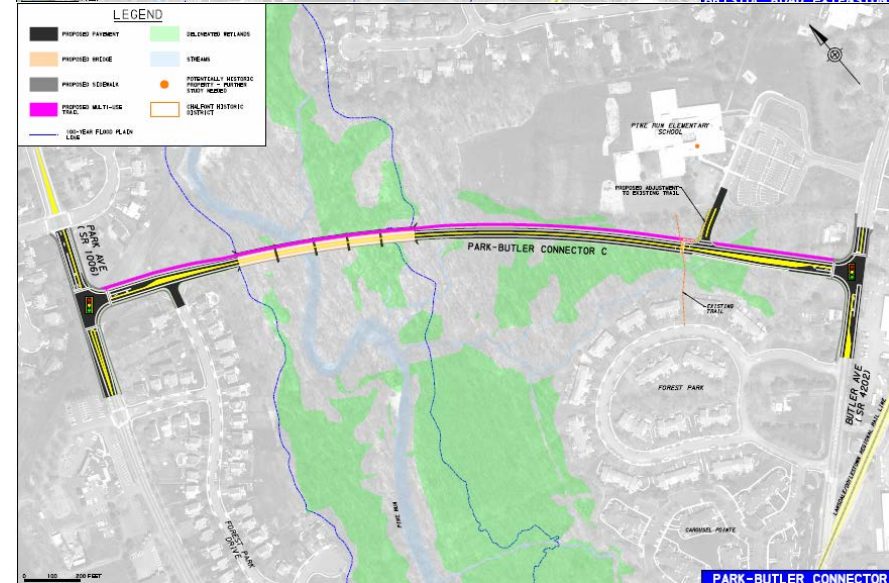
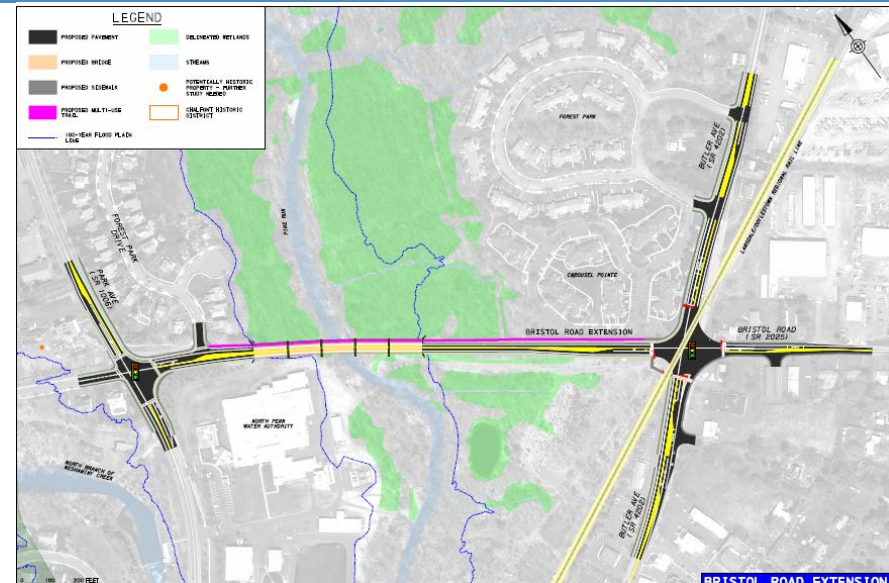


- Developed alternatives to meet the purpose and need



# Community Feedback

- Public meetings held to collect input on identified problem areas and potential alternatives
- Alternatives refined further with coordination continuing



# Questions or more info?



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Jesse Buerk- [jbuerk@dvrpc.org](mailto:jbuerk@dvrpc.org)

Tim Stevenson- [tstevenson@pa.gov](mailto:tstevenson@pa.gov)







# 2nd Collegeville Crossing









Travel Times for Year 2030 (minutes)				
	AM Peak		PM Peak	
	No-Build	Build	No-Build	Build
Collegeville Only	6.4	5.1	13.2	5.1
Collegeville to Lower Providence	8.1	5.8	14.7	6.4
Lower Providence to Collegeville	8.2	6.2	10.4	7.0