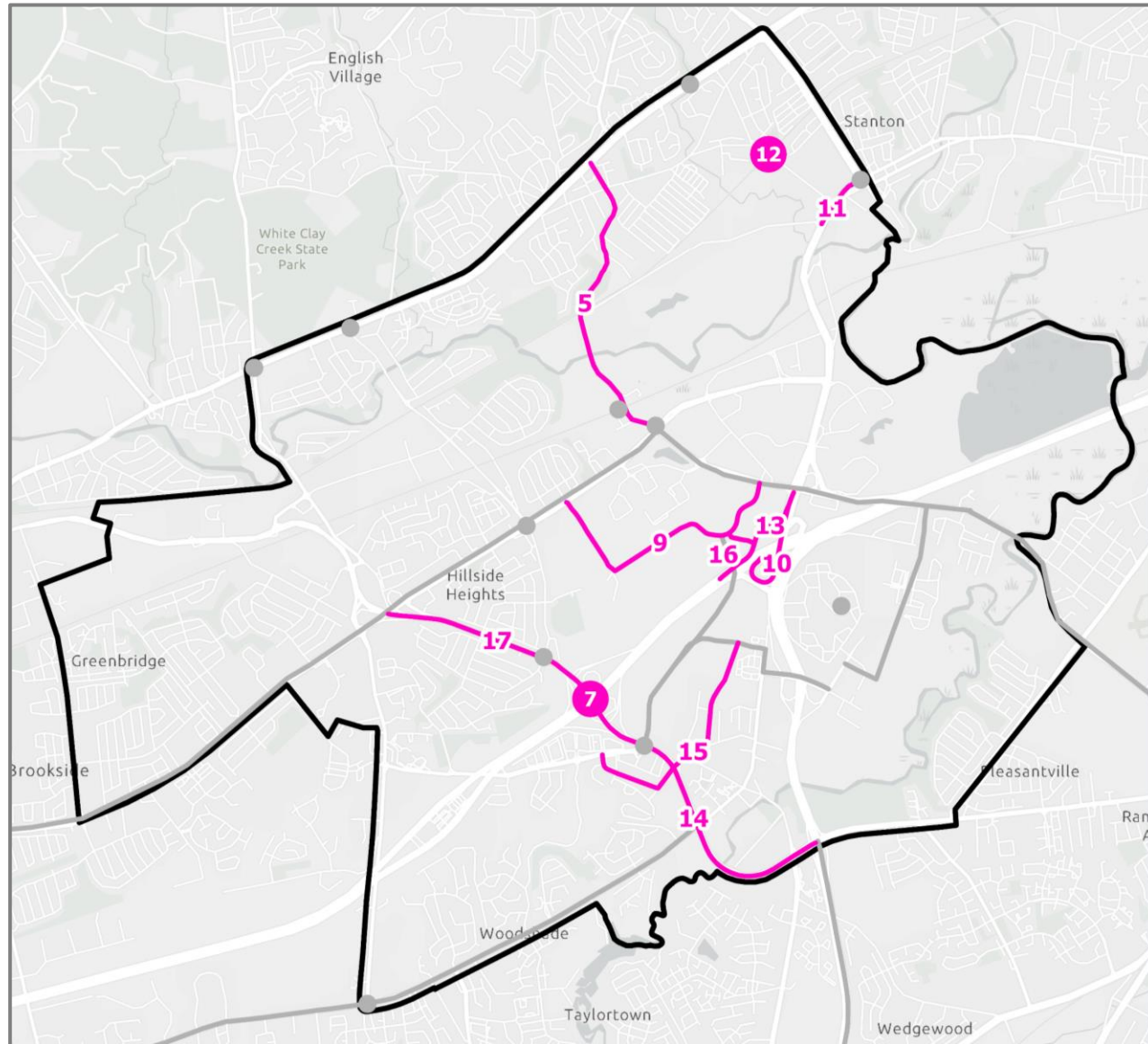


Spotlight Topic: Deeper dive into bicycle/pedestrian improvements

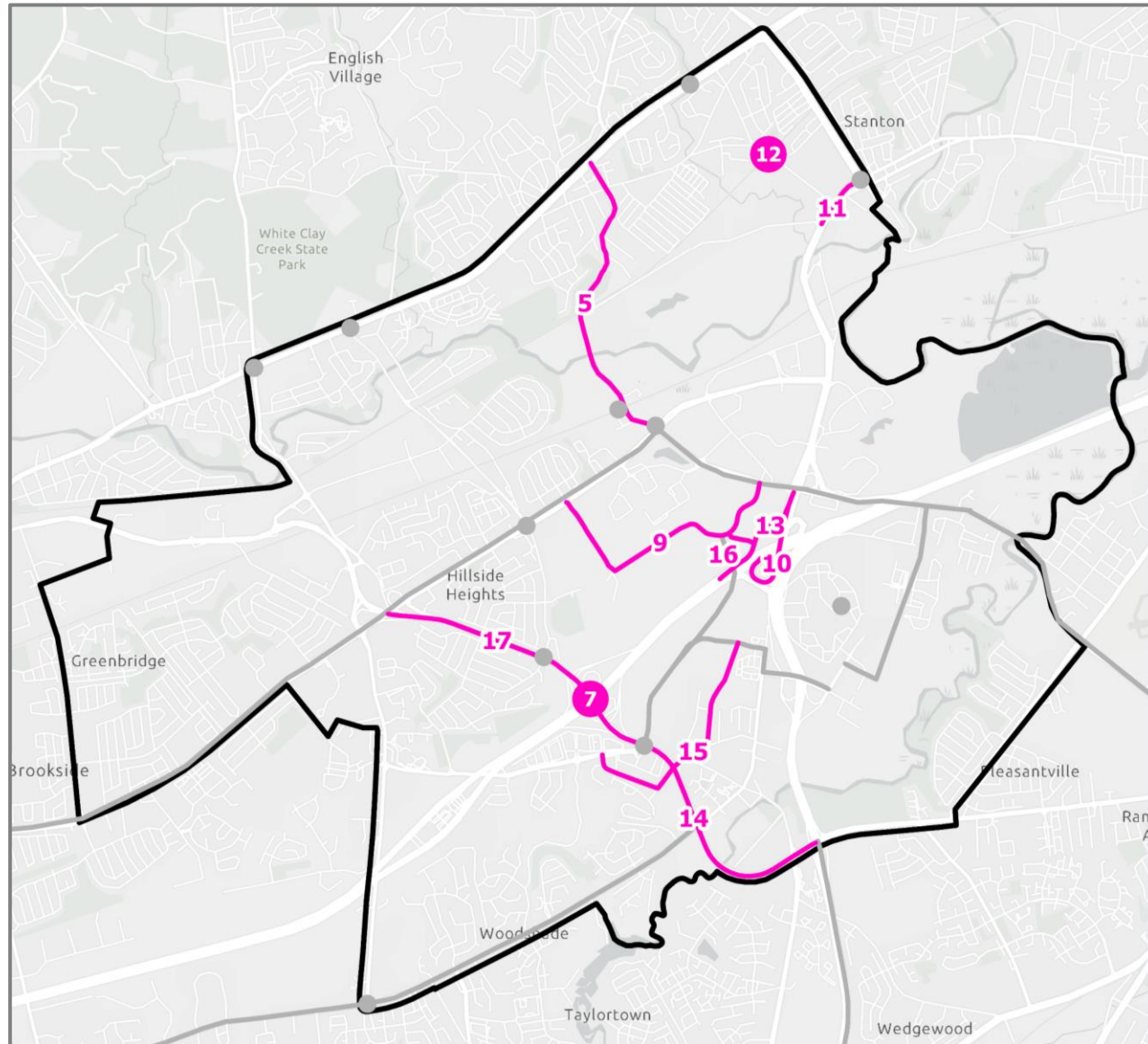


Committee's Weighted Project Prioritization Results



Rank	Label	Project	
1	EE	Micro Transit (DTC) (not mapped)	
2	MM	Transit Access Improvements (not mapped)	
3	NN	Pedestrian/Bicycle Improvements Along Existing Roads (not mapped)	
4	OO	Pedestrian/Bicycle Connections Serving Existing Communities (not mapped)	
5	S	Churchman's Road Extended, SR 2 to SR 4	
6	LL	New bus transit routes (not mapped)	
7	QQ	SR 273 at I-95 Interchange Reconfiguration	
8	FF	Automated Transit Vehicles (DTC) (not mapped)	
9	JJ	Opening Samoset Drive/Continental Drive: SR 4 to Churchman's Road	
10	Z	Southbound SR 1 to Northbound I-95 Connection	
11	W	SR 7 Intersections: SR 7/Telegraph Road, SR 7/Delaware Park Boulevard	
12	KK	Telegraph Road/St. James Road Railroad Underpass	
13	Y	Southbound SR 1 to Southbound I-95 Connection	
14	U	SR 273: 3rd lane NB & SB between SR 1 and I-95	
15	GG	Christiana Bypass	
16	X	Southbound I-95 Access from Continental Drive	
17	PP	SR 273: 3rd lane NB & SB between I-95 and SR 4	

Committee's Weighted Project Prioritization Results



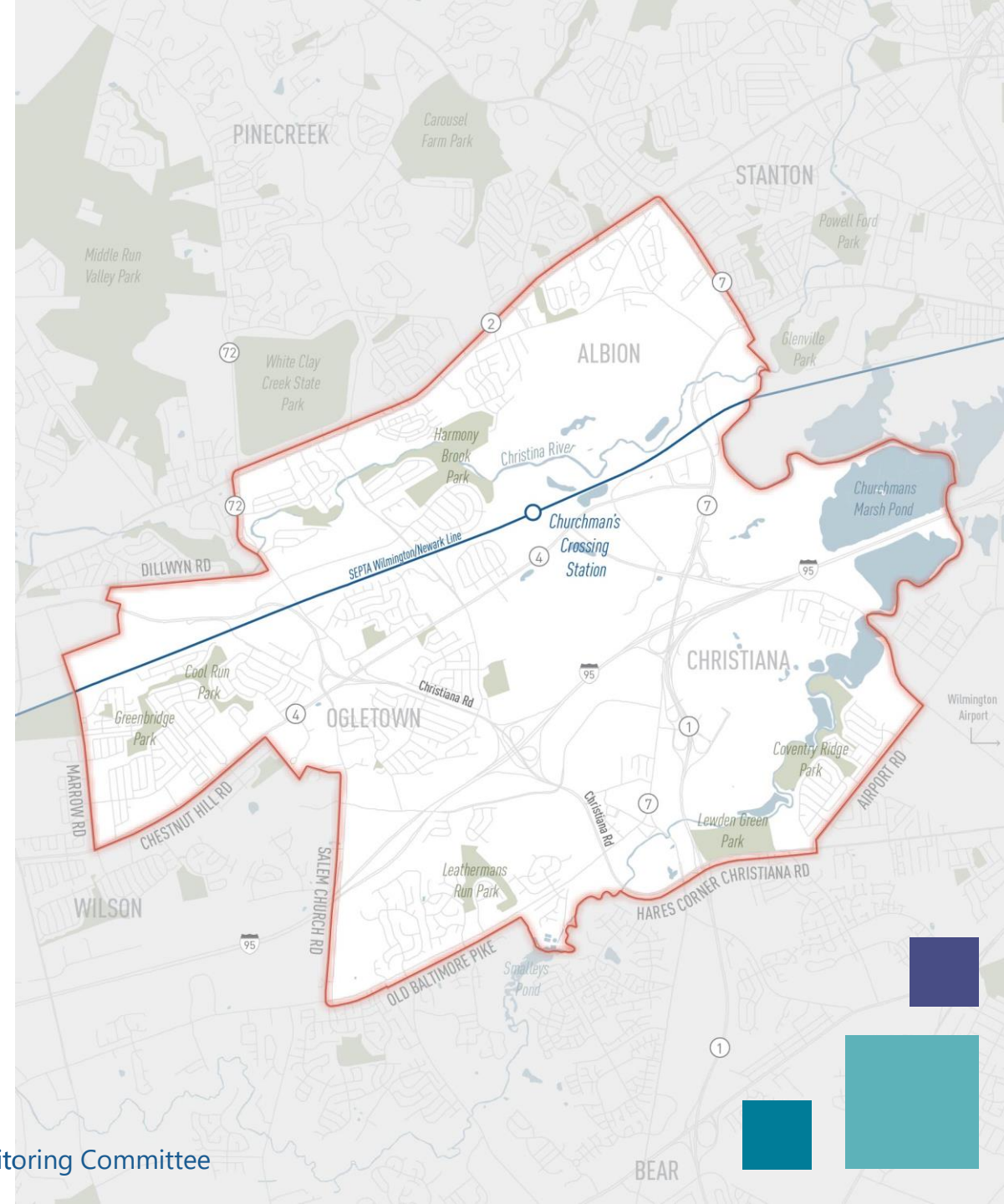
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Introduction

- Tristan Jackson, AICP, Transportation Planner | RK&K
- Paul Moser, PE, Bike and Ped Engineer | DeIDOT

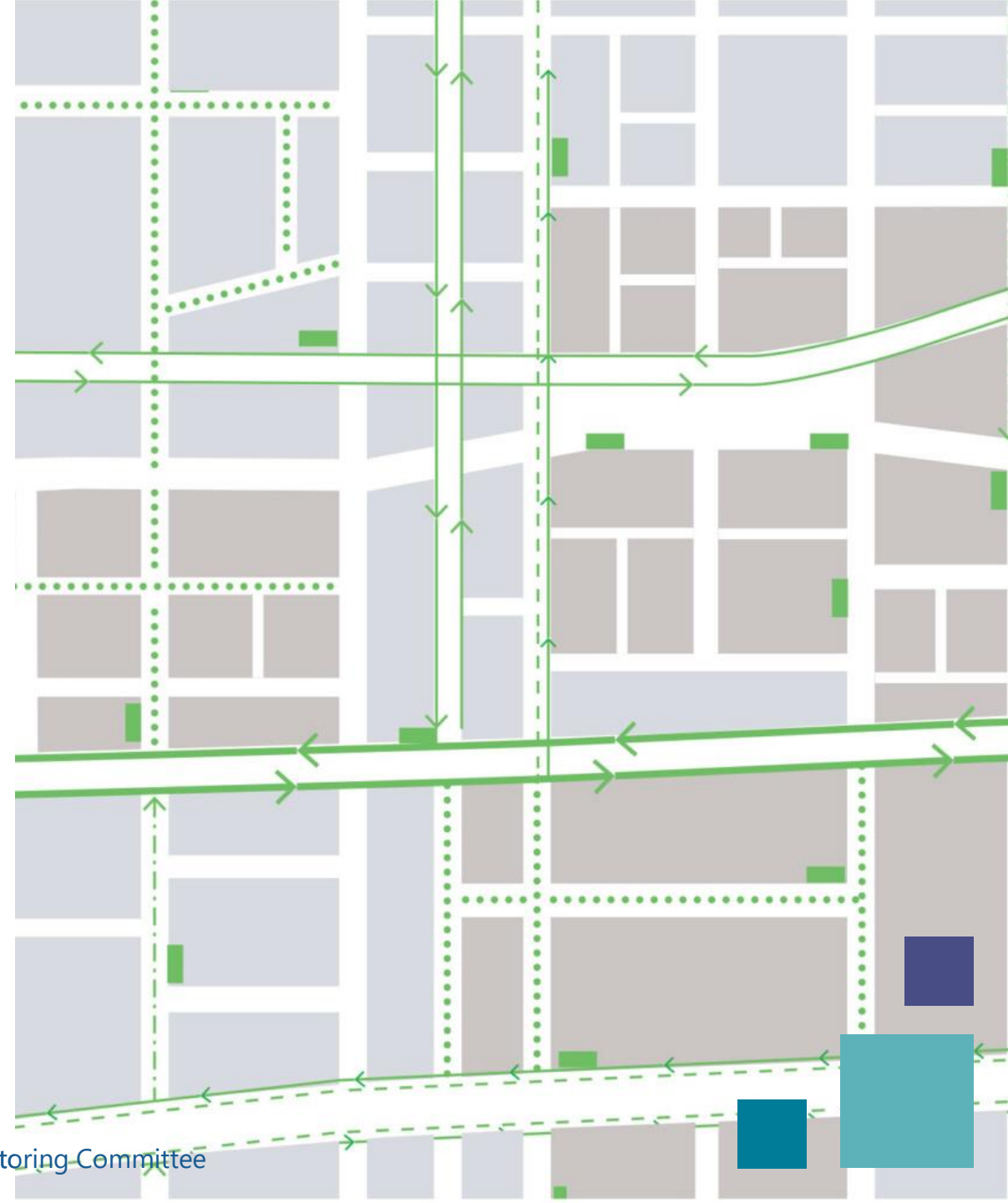
Background

- **Previously:** Funding for bicycle and pedestrian improvements were prioritized but specific projects were not identified.
- In the Committee's prioritization exercise, bicycle and pedestrian improvement ranked in the top five.
- The Committee and the project team will define and prioritize bike/pedestrian projects in the Churchman's Crossing area that are actionable and eligible for further design and implementation.
- **Desired Outcome:** The Committee will agree on a method for selecting bicycle and pedestrian projects.



Approach and Philosophy

- Bicycle and pedestrian projects will be selected from a network approach, with an overarching and long-term vision
- Network approach allows for greater long-term value and congruity with the entire transportation network
- Comprehensive network plan is generally more favorable when it comes to funding, especially large-scale capital funding

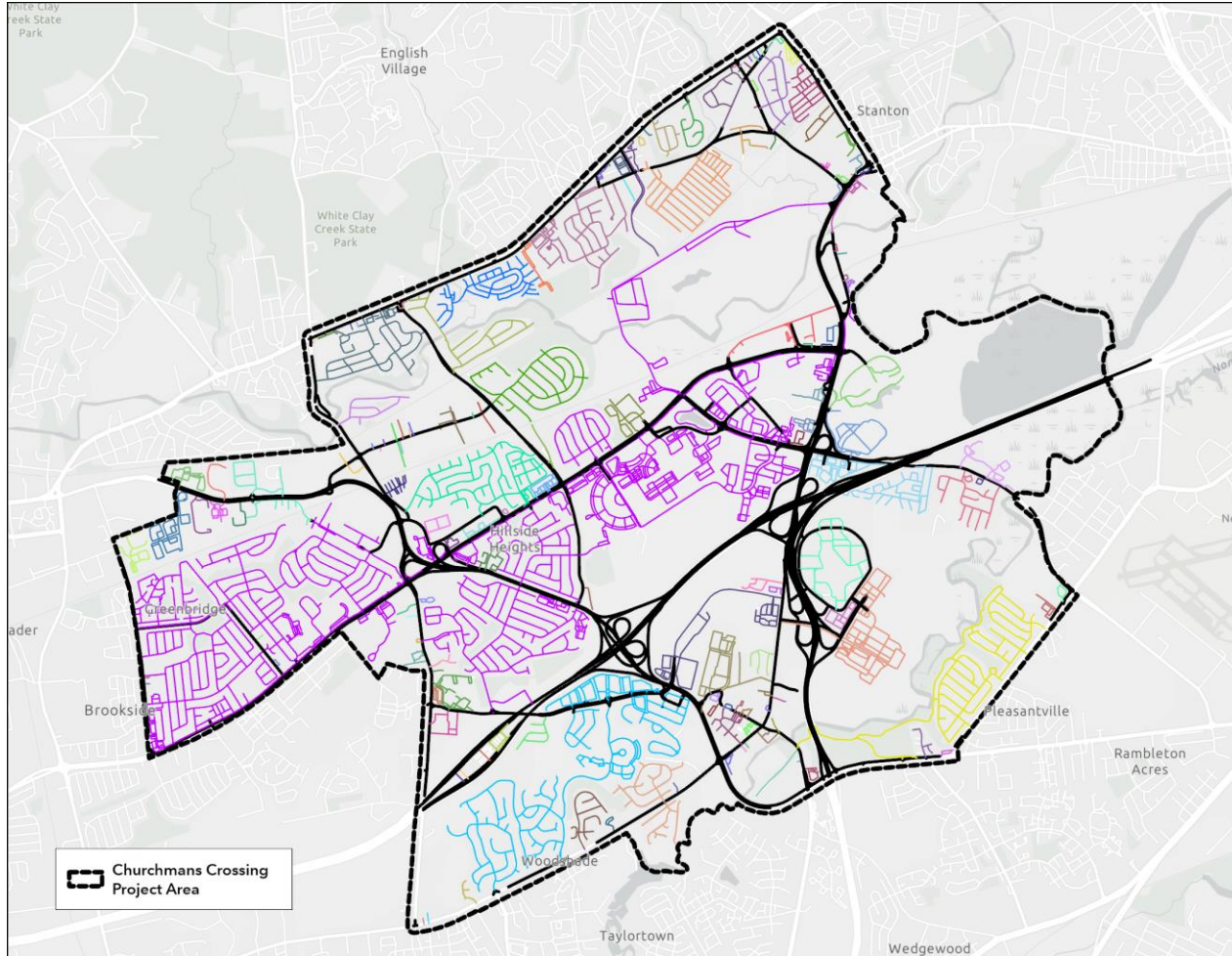


Approach and Philosophy

- The two main foundational philosophies to improving the network include:
- **Comfort:** Maximizing comfort for bicyclists and pedestrians provides safety benefits to all road users.
- **Connectivity:** Connectivity improvements that allow people to efficiently travel across Churchman's Crossing by foot or bicycle.



Connectivity Benefits



- Connectivity within the Churchman's Crossing area → trip generators and points of interest.
- Connectivity to sidewalk, trail, and other non-motorized networks in adjacent areas.
- Connectivity to other forms of transportation, notably local and regional transit options.

Methodology

- The project team will utilize both qualitative and quantitative inputs to develop a network and prioritize projects



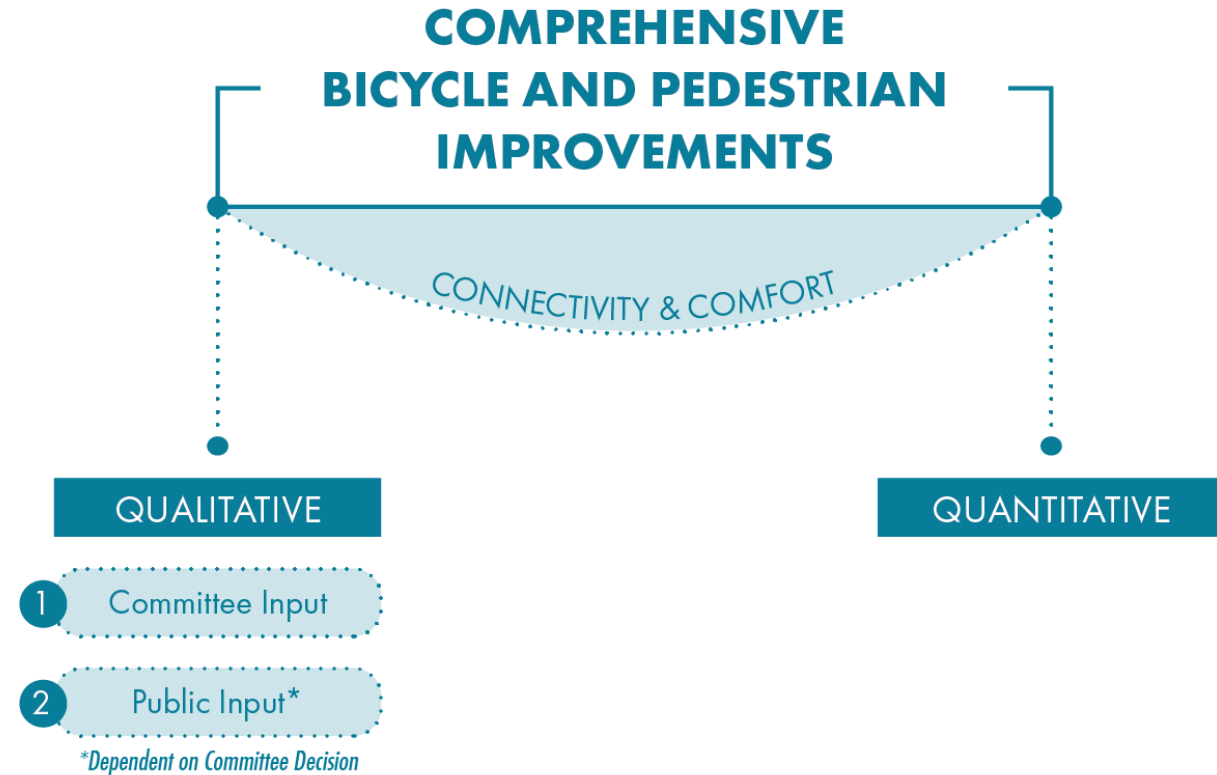
Methodology

- The project team will utilize both qualitative and quantitative inputs to develop a network and prioritize projects
- **Qualitative:**
 - Committee feedback



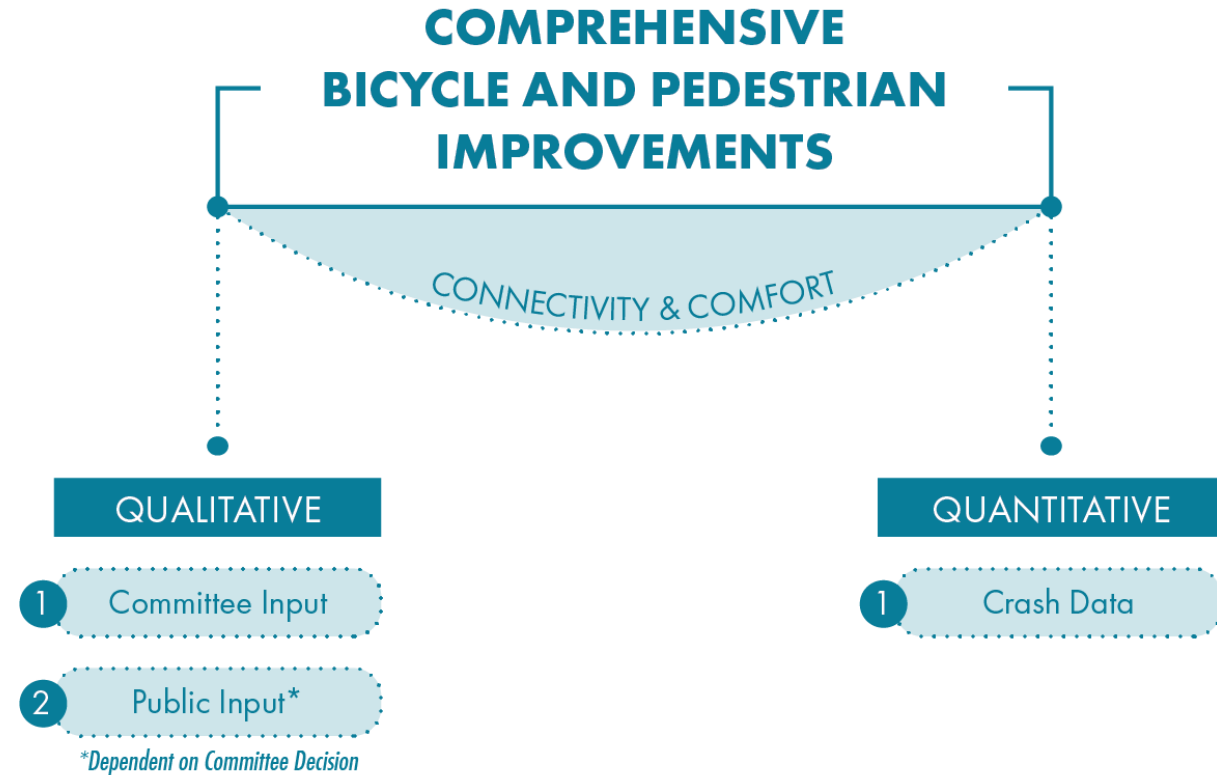
Methodology

- The project team will utilize both qualitative and quantitative inputs to develop a network and prioritize projects
- **Qualitative:**
 - Committee feedback
 - Potential public input via annual public workshop in May 2024



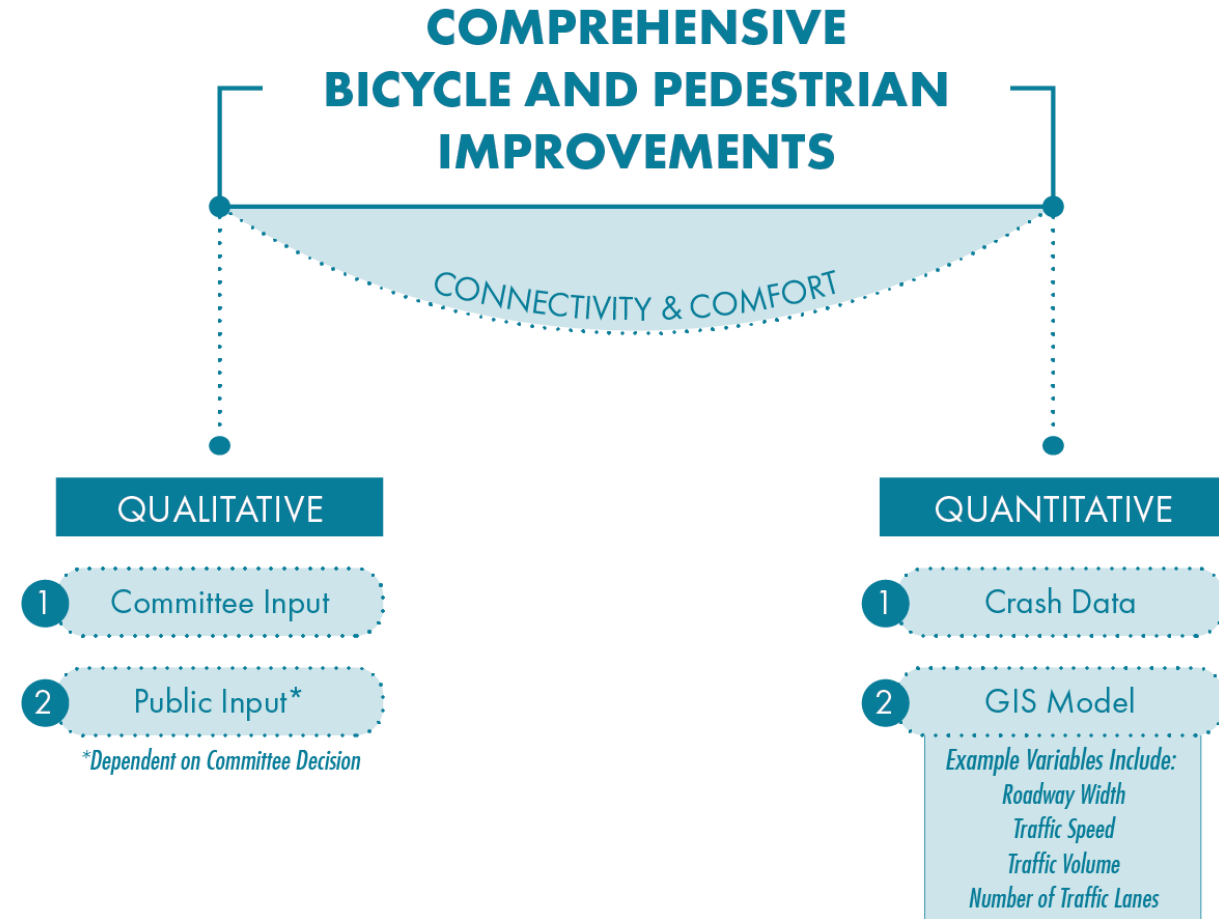
Methodology

- The project team will utilize both qualitative and quantitative inputs to develop a network and prioritize projects
- **Qualitative:**
 - Committee feedback on the Comment Map
 - Potential public input through another public facing Comment Map
- **Quantitative**
 - Crash Data

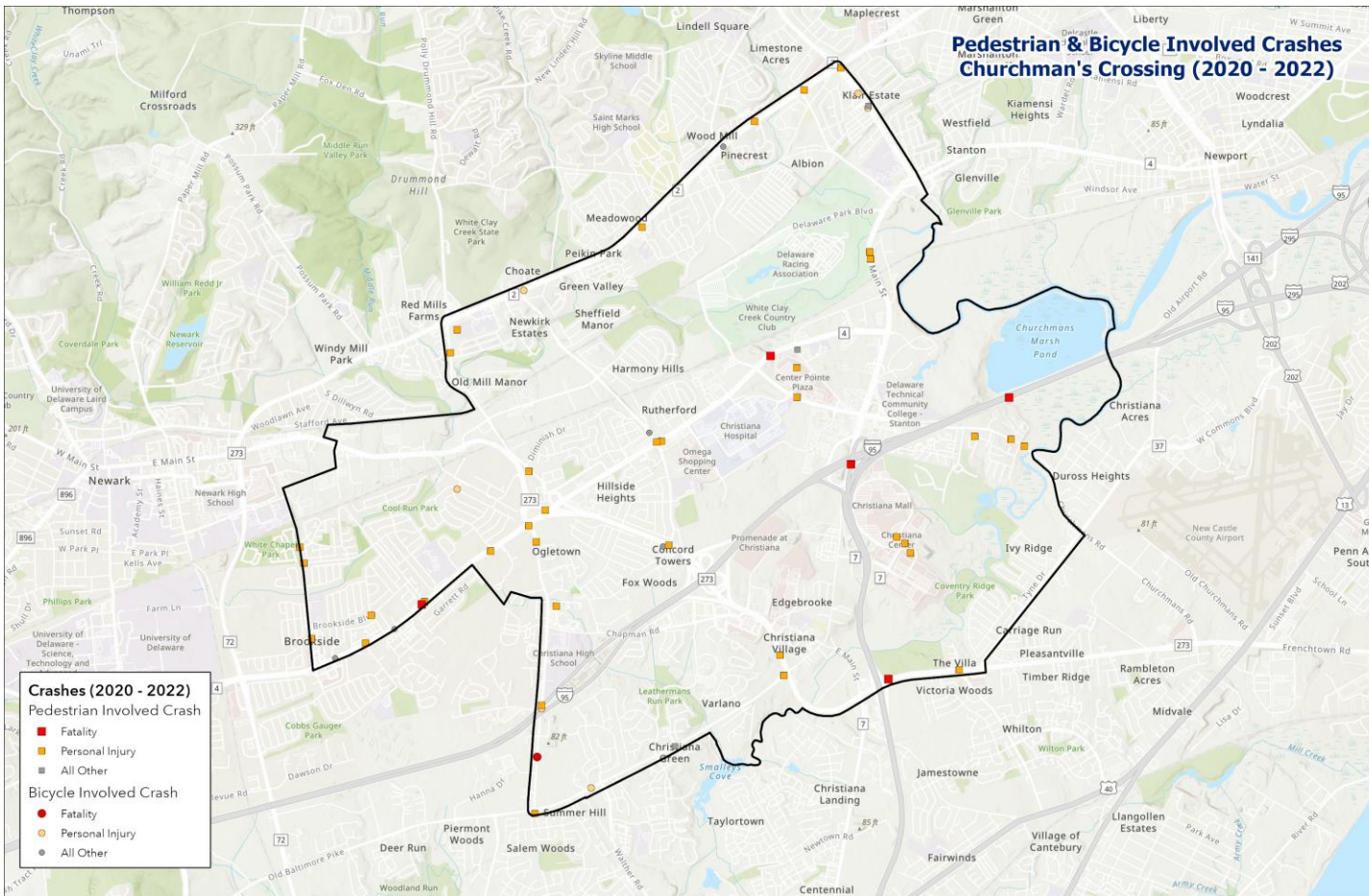


Methodology

- The project team will utilize both qualitative and quantitative inputs to develop a network and prioritize projects
- **Qualitative:**
 - Committee feedback on the Comment Map
 - Potential public input through another public facing Comment Map
- **Quantitative**
 - Crash Data
 - DeIDOT GIS Prioritization Model



Methodology



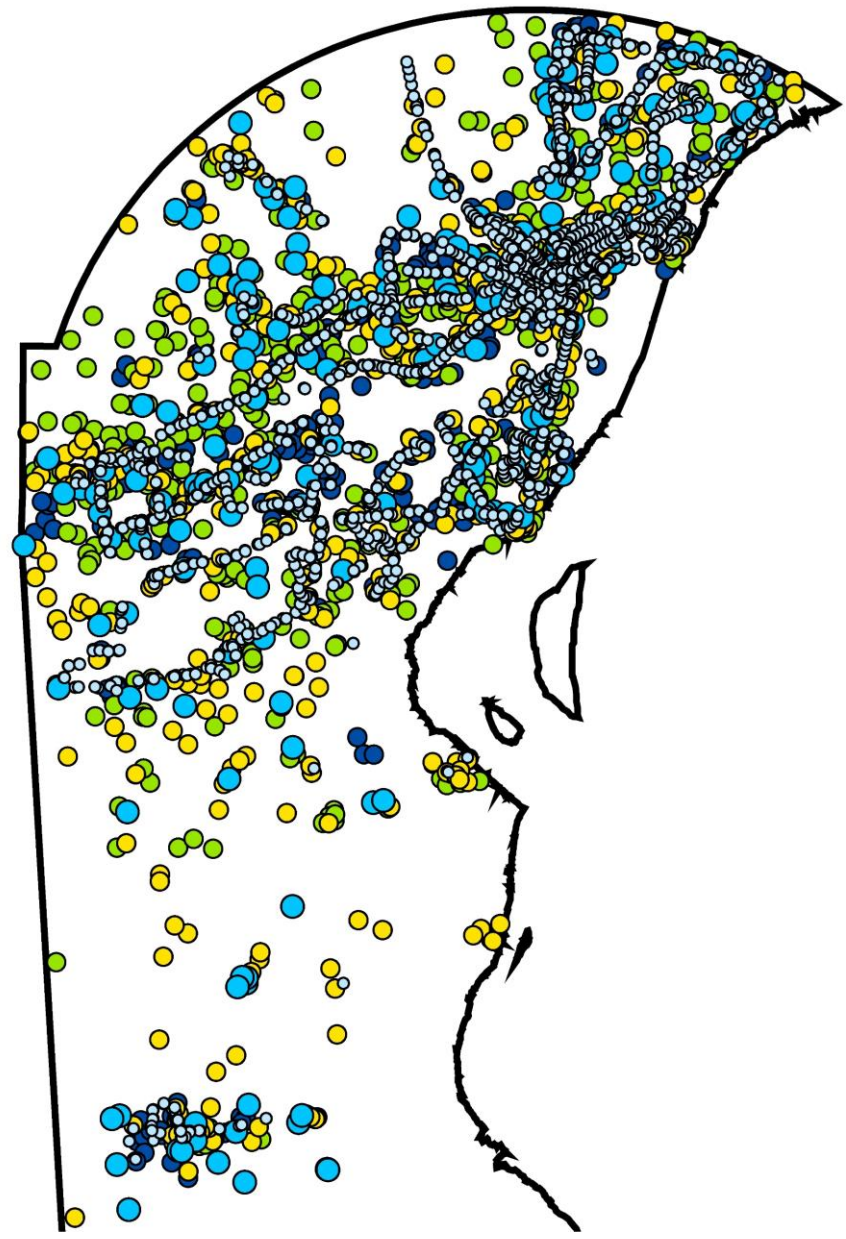
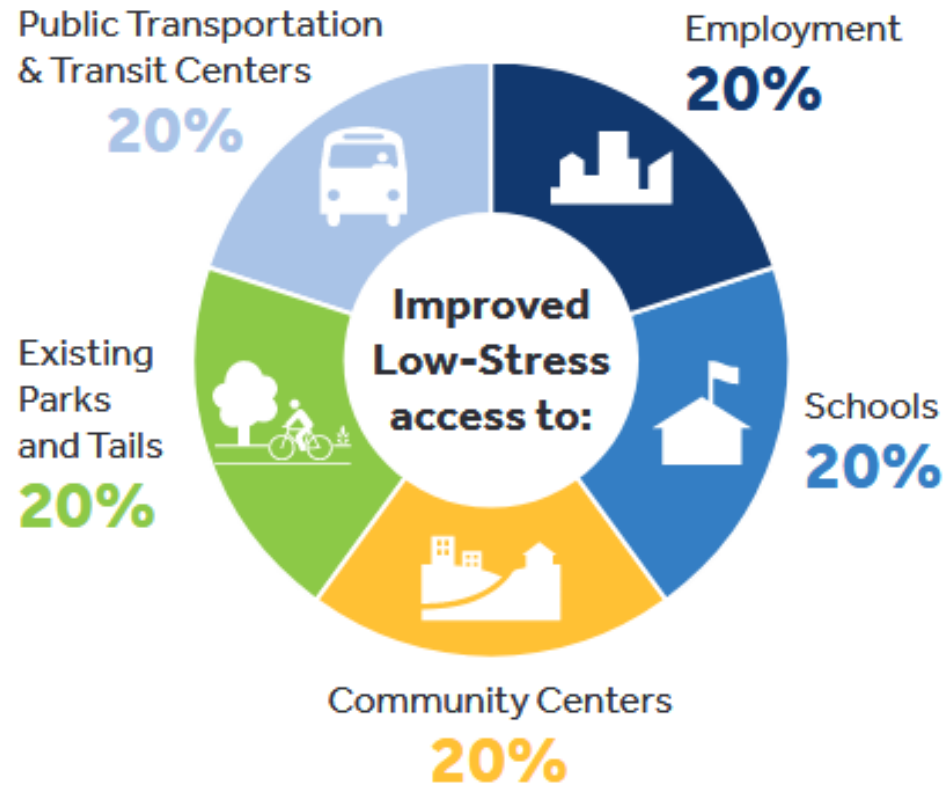
- **Crash Data and Analysis**

- Basic overview of bike/ped crashes in the area.
- Potential project areas with high crashes can be given higher weight in the prioritization process.

Methodology

- **Bike Network GIS Modeling**

Figure 3-G. The categories of destinations used in project scoring for the Statewide Bicycle and Pedestrian Program



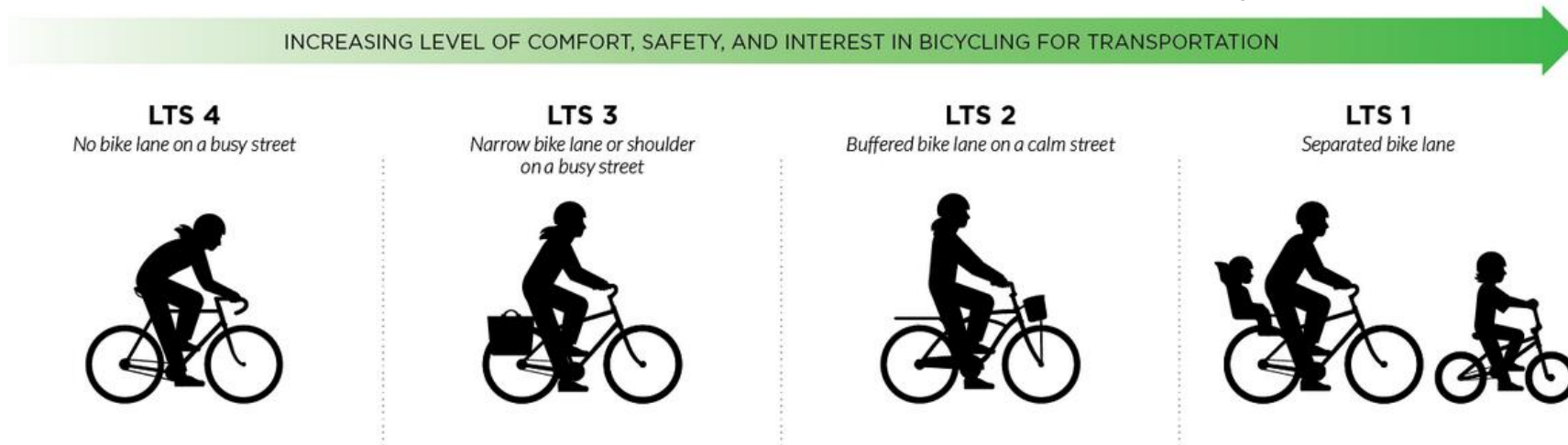
Methodology

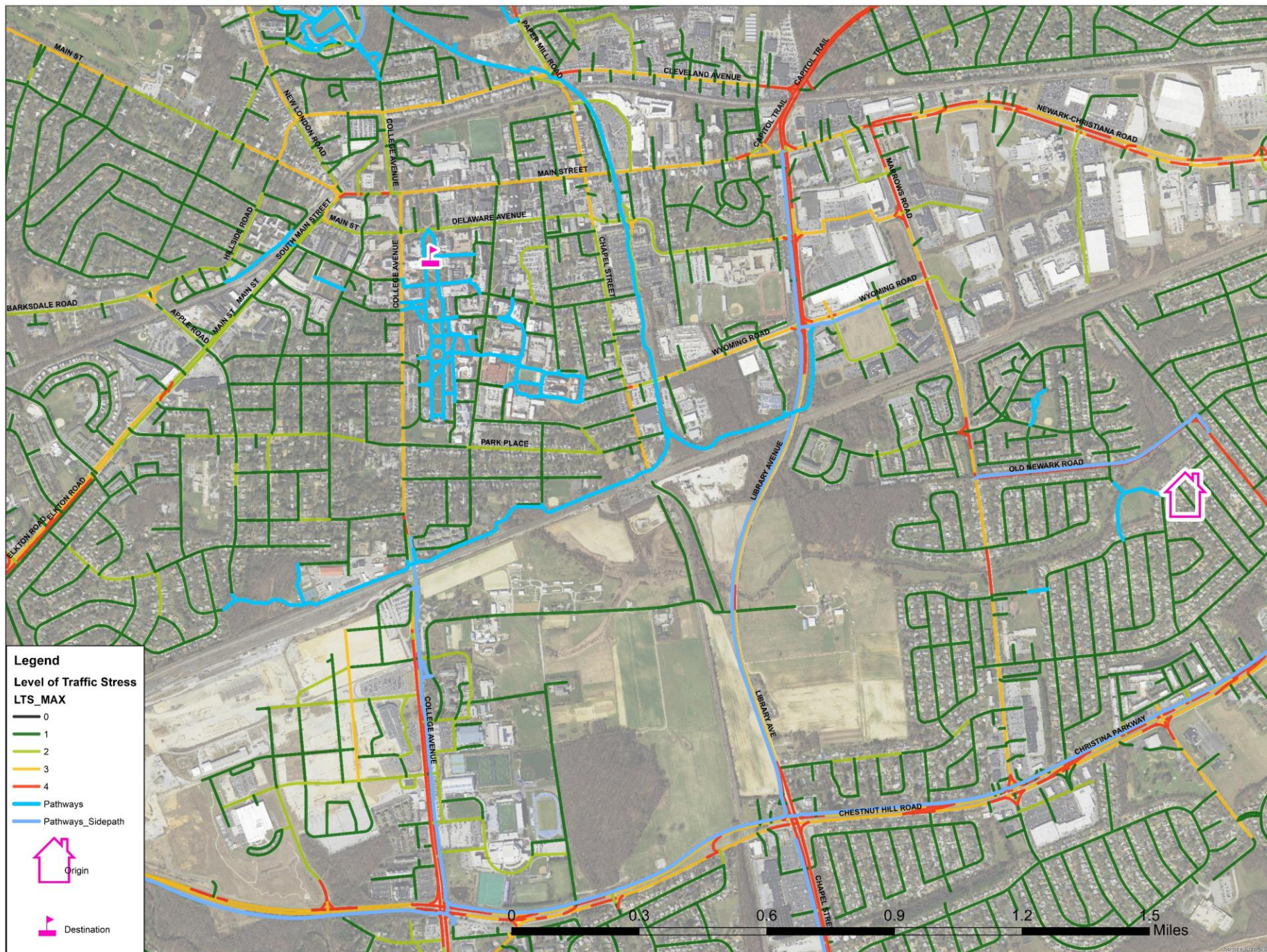
- **Bike Network GIS Modeling**

- A metric of suitability of a roadway for cycling
- Each level relates to a ***type of rider***
- Allows us to view mobility from perspective of casual cyclists and understand ***barriers*** to a useful, connected network

- Level of Traffic Stress

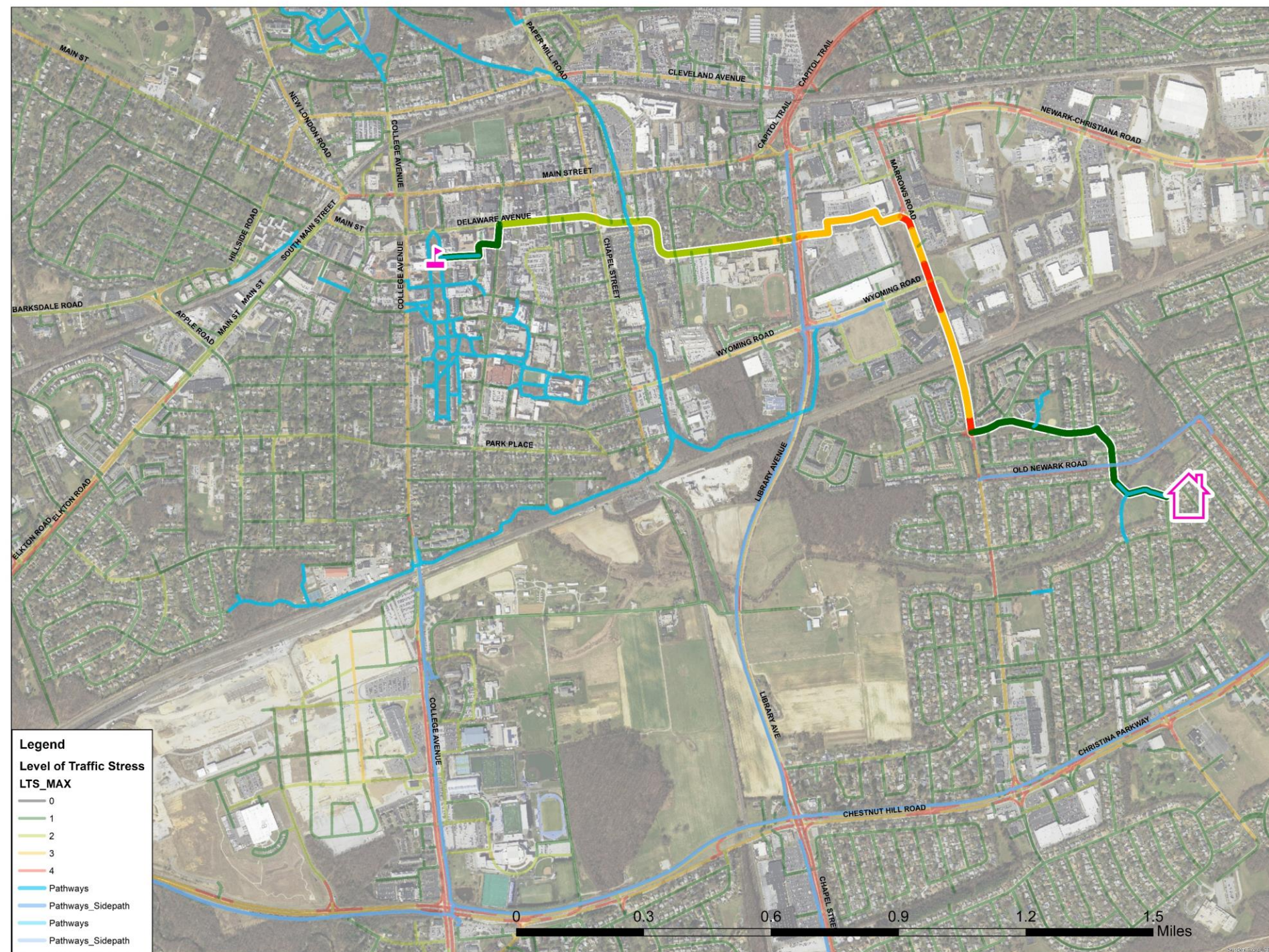
- **LTS1**: 12-year-old child
- **LTS2**: typical person able to bike
- **LTS3**: enthusiastic and willing to tolerate some stressful roadways and intersection
- **LTS4**: aggressive and willing to bike anywhere

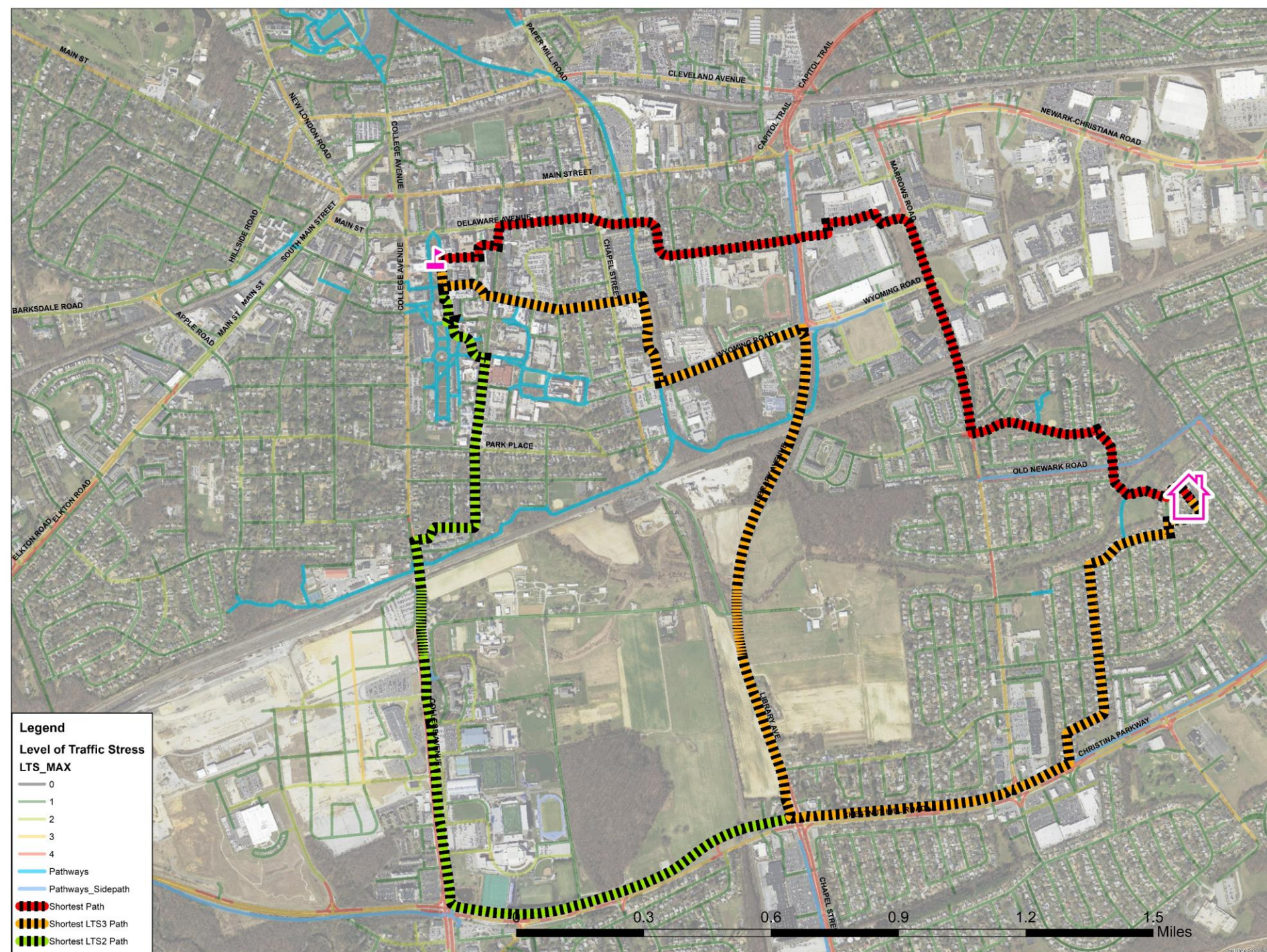




• Shortest Path

- 2.5 miles
- ~12 minute bike ride





- **Shortest LTS 4 Path**
 - 2.5 miles
 - $P = 1$
- **Shortest LTS3 Path**
 - 3.9 miles
 - 56% relative detour
 - $P = 0.496$
- **Shortest LTS2 Path**
 - 4.2 miles
 - 68% detour
 - $P = 0.359$
- **Shortest LTS1 Path**
 - Does not exist!
 - $P = 0$

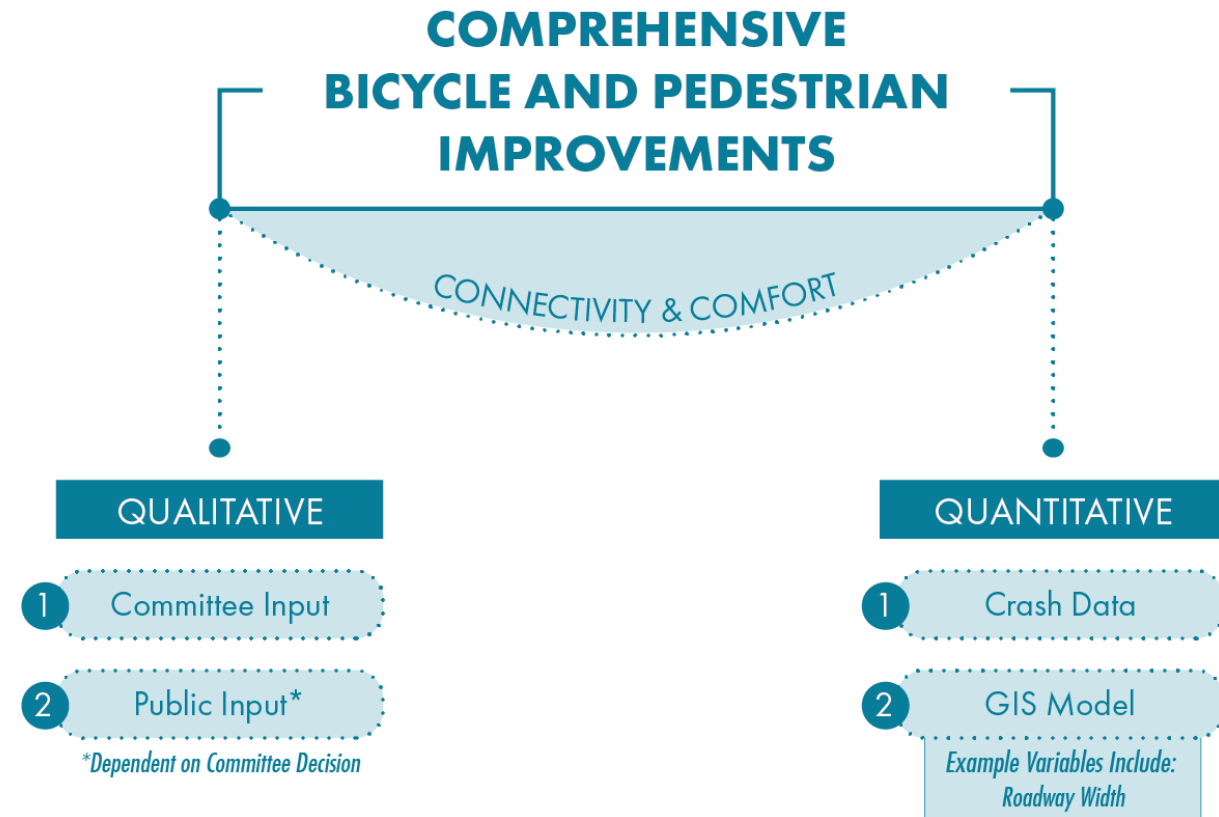
Methodology

- **Comment Map Introduction and Demonstration**
 - <https://rb.gy/8nme64>
 - Is this something we would like to open up to the public?



Methodology

- Methodology Discussion
- What inputs would we like to use?
 - Committee Input
 - Public Input
 - Basic Crash Analysis
 - GIS Model
 - Others not suggested here?



Next Steps

- Project Team Deliverables for April 10th (next CXMC meeting)
 - Summary of Committee Comment Map
 - Public workshop draft materials
- Comment Map Deadline is March 15 (Friday)