

# Delaware First/Final Mile Network Development

for WILMAPCO and DeIDOT



Focus Group Meeting 1

January 7, 2021



# Welcome to the Focus Group!

## Please introduce yourself:

### Network Development Project Team:

- WILMAPCO
- Dover/Kent MPO
- Salisbury/Wicomico MPO
- DelDOT
- FMCSA
- DMTA
- **Anyone else?**

### Focus Group Attendees:

- Troy Mix - UD
- Richard Wilkins & Stewart Ramsey – DE Farm Bureau
- Dave Harriss – Gulftainer/Port of Wilm.
- Richard Hernandez – Perdue Farms
- Chuck Harris – Wal Mart
- Ken Grant – AAA Mid-Atlantic
- Brian Sylvester – Dot Foods
- Rick Keiluhn – FedEx
- Stewart Pryor – Trucker
- Dave Hugg – City of Dover
- Mike Ruane & Kristen Scudder – DVRPC
- Mary Ellen Gray – City of Newark
- Linda Parkowski – Kent County
- **Anyone else?**



# Welcome to the Focus Group

**Help us keep the “Big Picture” in mind:**

- Provide context and strategic guidance
- Aid the project team with outreach recommendations
- Provide verbal or written comments on draft network materials



# Opportunities for Engagement

## ➤ Two Focus Group meetings

- January: Discussion on outreach approach, needs and issues
- ~June: Review and feedback on finalized network, identified needs and issues

## ➤ Online feedback

- Wikimap markup
- Email comment box



# Presentation Overview

**Project Background**

**Outreach Approach**

**Feedback on First/Final Mile Issues**

**Conclusion**

# What is a first/final mile connection?

Roadways that link truck trip origins or destinations with mainline routes of travel such as interstates or major regional highways:



Efficient and safe connections are important to all of Delaware's businesses



# What is a first/final mile connection?

Connections are also relevant to other transportation users and residents:



# Common First/Final Mile Needs and Issues

Common needs and issues that impact the efficient movement of freight, and road safety:

## Mobility



Congestion



Tight Turns



Narrow Shoulders



Low Bridges



Crossing Delay

## Safety



Tight Turns



Lack of Turn Lanes



Parking Conflict



Bike/Ped Overlap



Crossing Safety

## Condition



Cargo Damage



Damage to Roads



# Common First/Final Mile Needs and Issues

**Conflicts with incompatible land uses also impact safety, health, and public perceptions of freight**



Air and  
Water Pollution



Light  
Pollution



Noise  
Pollution



Vibrations



Safety  
Problems



Congestion





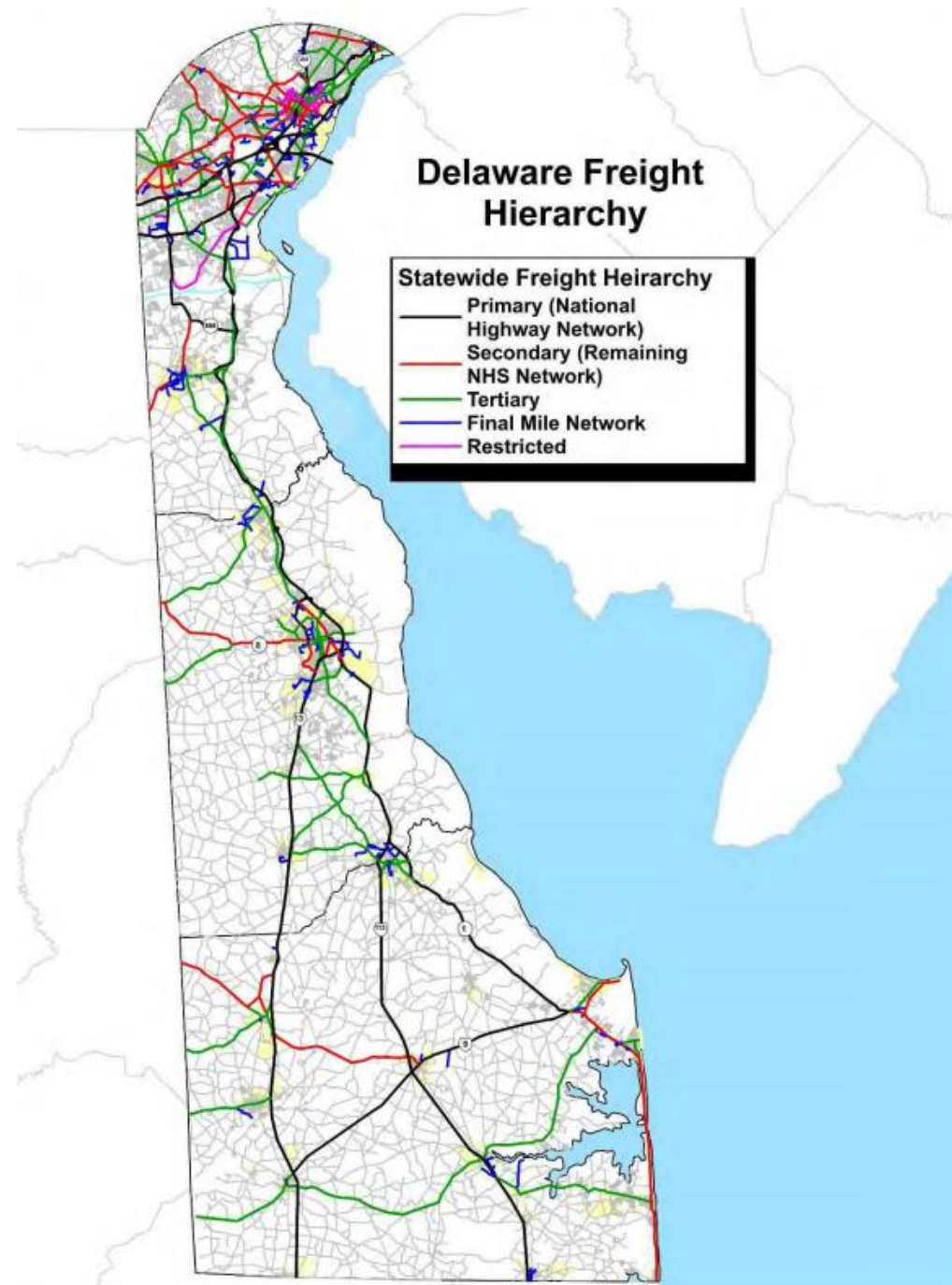
# Project Objective

**Help Delaware's transportation stakeholders make effective improvements and maintain first/final mile connections while balancing the needs of other transportation users**

- Where are connections?
- What are the connections' needs and issues?
- How do we address those needs and issues?

**Outcome: more-efficient and safer freight transportation, reduced conflict with other transportation users and residents**

# Initial Network Identification

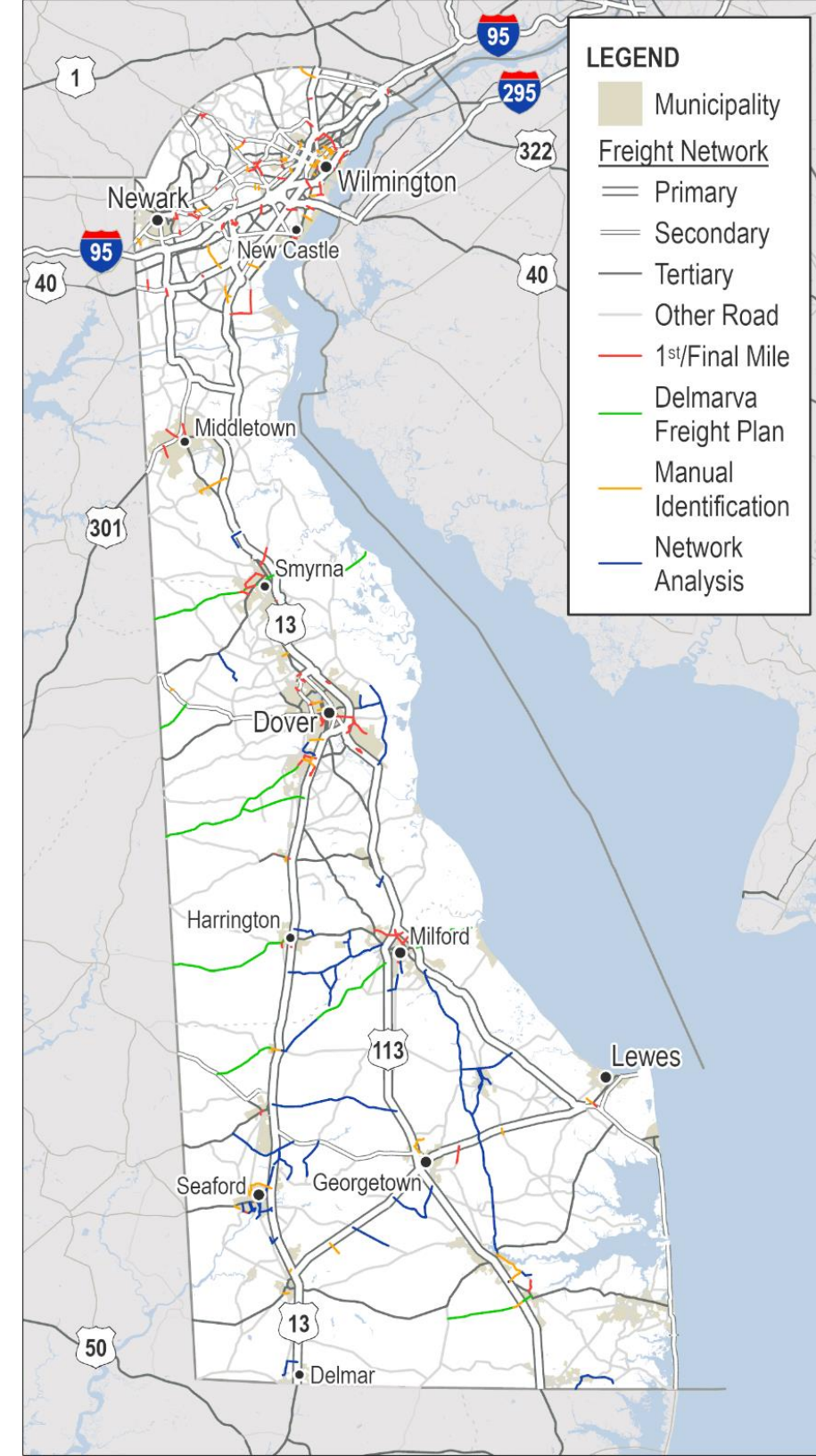


# Initial Network Identification

**Goal:** Produce an initial network that stakeholders can react to and interact with online

## Process:

1. Identify areas of freight activity (biz establishments, parcels)
2. Remove facilities adjacent to already-designated routes
3. Manually-identifying “straightforward routes”
4. ESRI Network Analyst for complex routes







# Next Steps for Network Identification

1. **Collect stakeholder feedback (sites, needs/issues)**
2. “Translate” mixed linework to DelDOT road inventory linework
3. INRIX truck GPS screening to identify additional routes
4. **Performance/problem assessment on identified connections**
  - Mobility: travel speeds, bridge clearances, weight limits, turning geometry
  - Safety: truck-involved crash history, crash risk factors
  - Condition: ride quality index, bridge condition, weight limits
  - Land Use Conflicts: overlap with residential, commercial, environmentally-sensitive areas.



# Questions?

➤ Any questions on definitions?

➤ Any questions on process?

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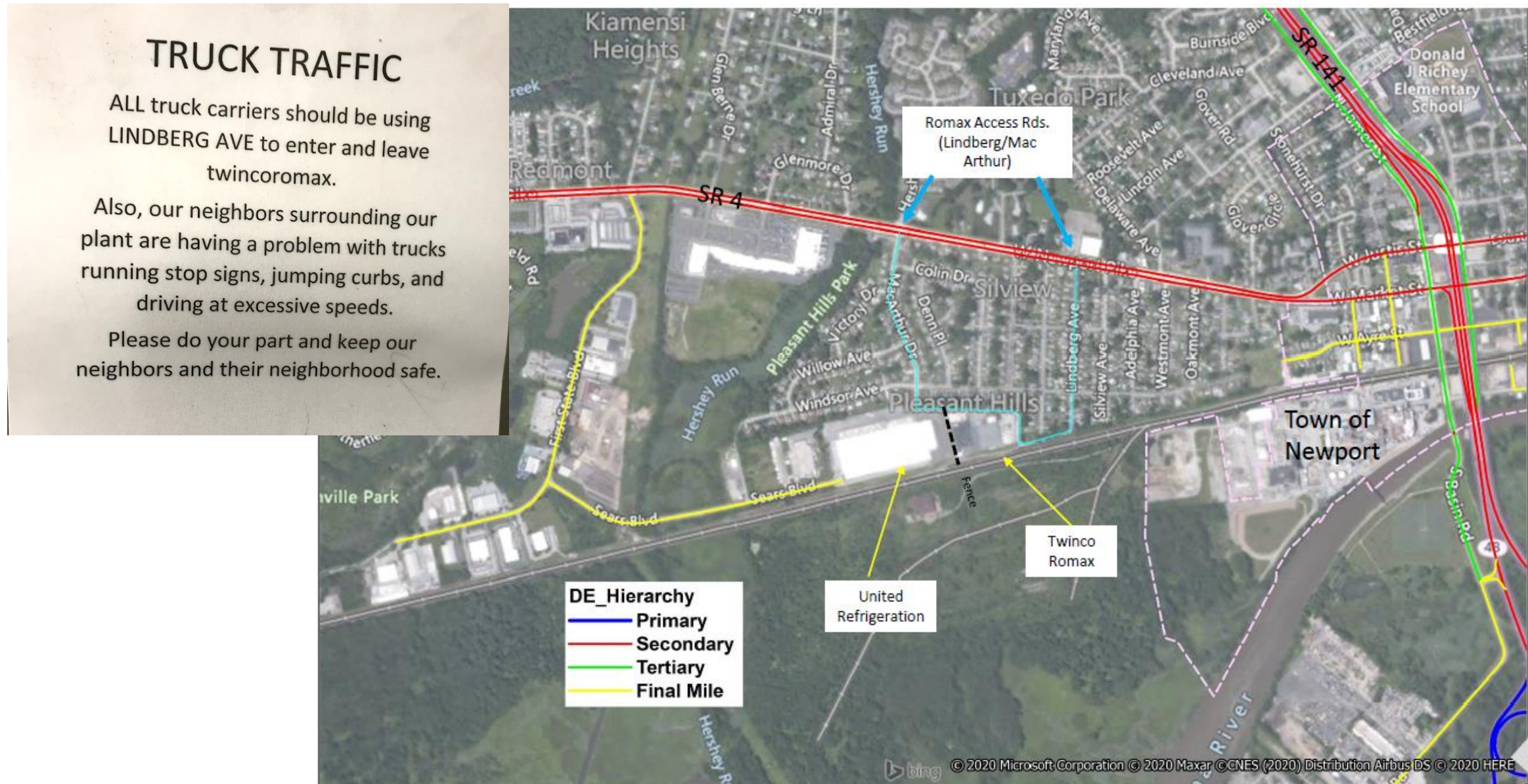
# Feedback Goals

**Qualitative feedback is a key ingredient for network development – it gives us a more-complete picture of the network and its issues**

- Collect information on corridors or problems that might not “show up” in data
- Help fine-tune network ID process, or process of screening for needs/issues



# Example of Local Knowledge






# Collecting Feedback: Outreach Tracks

Three target audience groups, with varied levels of knowledge, effort:

	Planners	Industry	General Public
Members	MPOs, City and County staff, EDCs	Shippers, Carriers	General Public
Breadth of Knowledge	Wide: region of practice	Medium: select routes	Narrow: select spots
LOE for Responses	High, can use data in future	Low, limited time for response	Low, limited knowledge
Outreach Approach	<ul style="list-style-type: none"><li>• Link to survey map tool</li></ul>	<ul style="list-style-type: none"><li>• Link to survey map tool</li><li>• Link to comment box</li></ul>	<ul style="list-style-type: none"><li>• Link to survey map tool</li><li>• Link to comment box</li></ul>



# Collecting Feedback: Web Maps








First/Final Mile Study Outreach

How can you help???

1. Add a comment or concern clicking on "Points" tab below and choose type of comment/concern
2. Describe conditions you experience
3. View other comments and give added feedback to locations that have been identified.

4. For Draft Final Mile Network designations, click the "Draft" tab

Map Legend

	Category	Examples
	Mobility	Tight turns, poor geometry, congestion
	Safety	Speeding, sight lines, frequent crashes and bike/ped conflicts
	Road Conditions	Poor pavement, bridge conditions
	Land Use Conflicts	Noise/air quality issues, residential and community conflicts (i.e. schools, parks, etc..)
	Draft Final Mile Network	Comments on Draft Route designations

Welcome

Please designate as close as possible what type of category describes you?\*

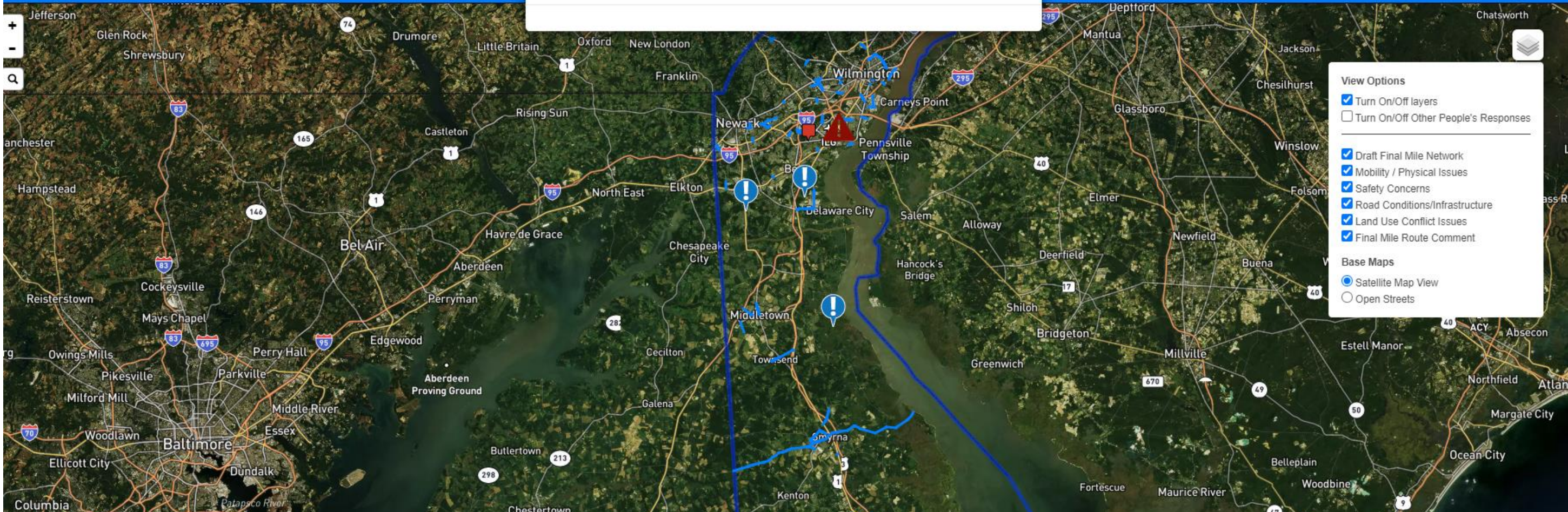
Truck Driver/ Operat

Thank You for your participation!

Submit

Delaware Final Mile Network

About & Help Zoom To Routes Points



View Options

☒ Turn On/Off layers

☐ Turn On/Off Other People's Responses

☒ Draft Final Mile Network

☒ Mobility / Physical Issues

☒ Safety Concerns

☒ Road Conditions/Infrastructure

☒ Land Use Conflict Issues

☒ Final Mile Route Comment

Base Maps

☒ Satellite Map View

☐ Open Streets




# Collecting Feedback: Web Maps

**WILMAPCO**  
First/Final  
Mile Study  
Outreach





## How can you help???

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4. To comment on Final Mile Network designations, click the "Routes" Feature

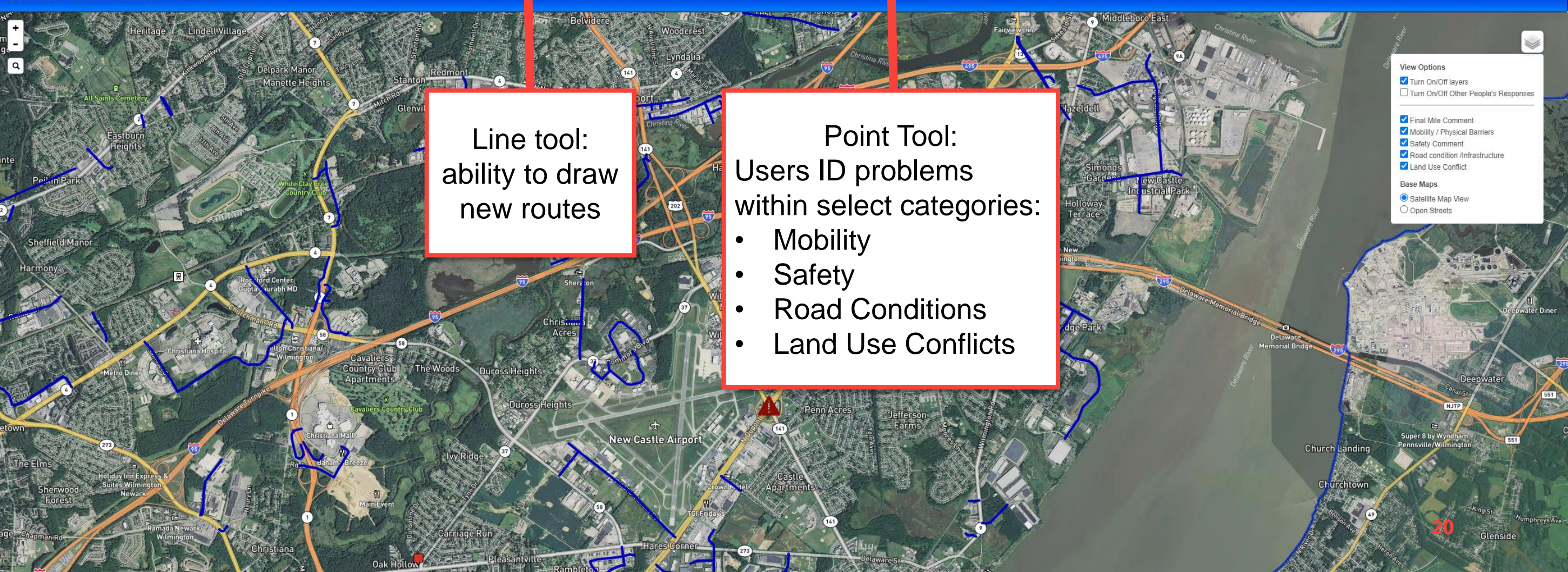
 Draft Final Mile Network

## Map Legend

Category	Example Concerns
 Mobility	Tight turns, poor geometry, congestion
 Safety	Speeding, sight lines, frequent crashes and bike/ped conflicts
 Road Conditions	Poor pavement, bridge conditions
 Land Use Conflicts	Noise/air quality issues, residential and community conflicts (e.g. schools, parks, etc.)

DRAFT

Delaware Final Mile Network Welcome



Line tool:  
ability to draw  
new routes

Point Tool:  
Users ID problems  
within select categories:

- Mobility
- Safety
- Road Conditions
- Land Use Conflicts

View Options

☒ Turn On/Off layers

☐ Turn On/Off Other People's Responses

☒ Final Mile Comment

☒ Mobility / Physical Barriers

☒ Safety Comment

☒ Road condition /Infrastructure

☒ Land Use Conflict

Base Maps

☒ Satellite Map View


☐ Open Streets







## How can you help???

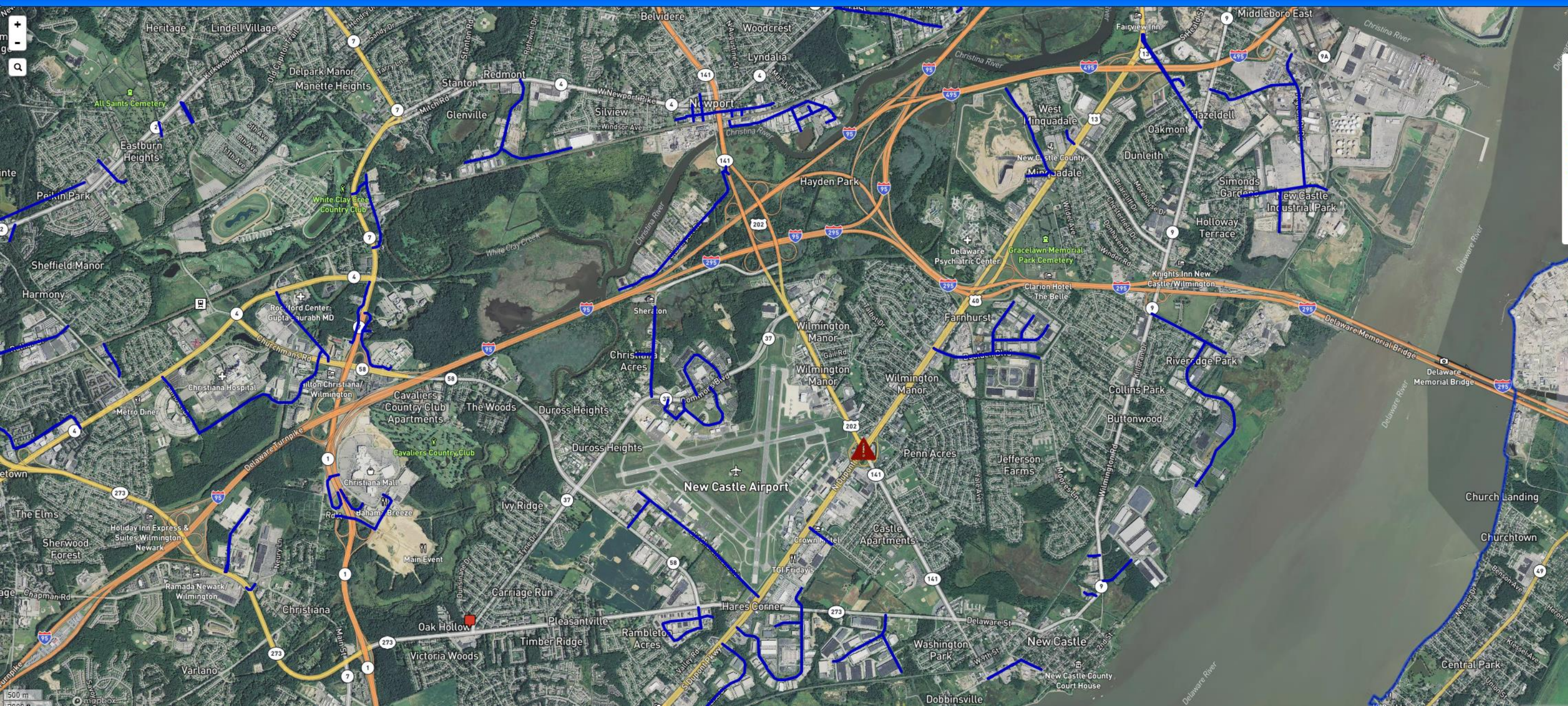
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 Draft Final Mile Network

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# Outreach Discussion

**How do we get the map/survey in front of the right people?**

- Who can distribute survey?
- How do we get meaningful feedback from industry?

**Are there any other outreach channels or approaches we should consider?**

- Does the webmap application appear straightforward?

	Planners	Industry	General Public
Feedback Tools	<ul style="list-style-type: none"><li>• Wikimap Tool</li><li>• Email comments to Dan, Eric</li></ul>	<ul style="list-style-type: none"><li>• Wikimap tool</li><li>• Online comment box</li></ul>	<ul style="list-style-type: none"><li>• Wikimap tool</li><li>• Online comment box</li></ul>
Announcement Method	<ul style="list-style-type: none"><li>• Transportation working groups</li><li>• Email announcement</li><li>• Project website</li></ul>	<ul style="list-style-type: none"><li>• Introductory email from industry representatives</li><li>• Project website</li></ul>	<ul style="list-style-type: none"><li>• WILMAPCO newsletters</li><li>• Social media posts</li><li>• Project website</li></ul>



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# Break

- 15 minute break to stretch, explore the interactive site
  - Where did you zoom to first?
  - Why did you go to those sites?
- Up next: discussion on first/final mile needs and issues.

# Your Feedback Wanted!

- Are any key connections missing from the map?
- What are the top first/final mile problems you are aware of?
- What *types* of problems are most common in your experience?





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# Next Focus Group Meeting: June

## June Meeting Goals:

- Review the fully-developed network
- Review the identified needs and issues on the network
- Provide feedback on potential approaches to address identified needs and issues