

New Castle County Bicycle Plan

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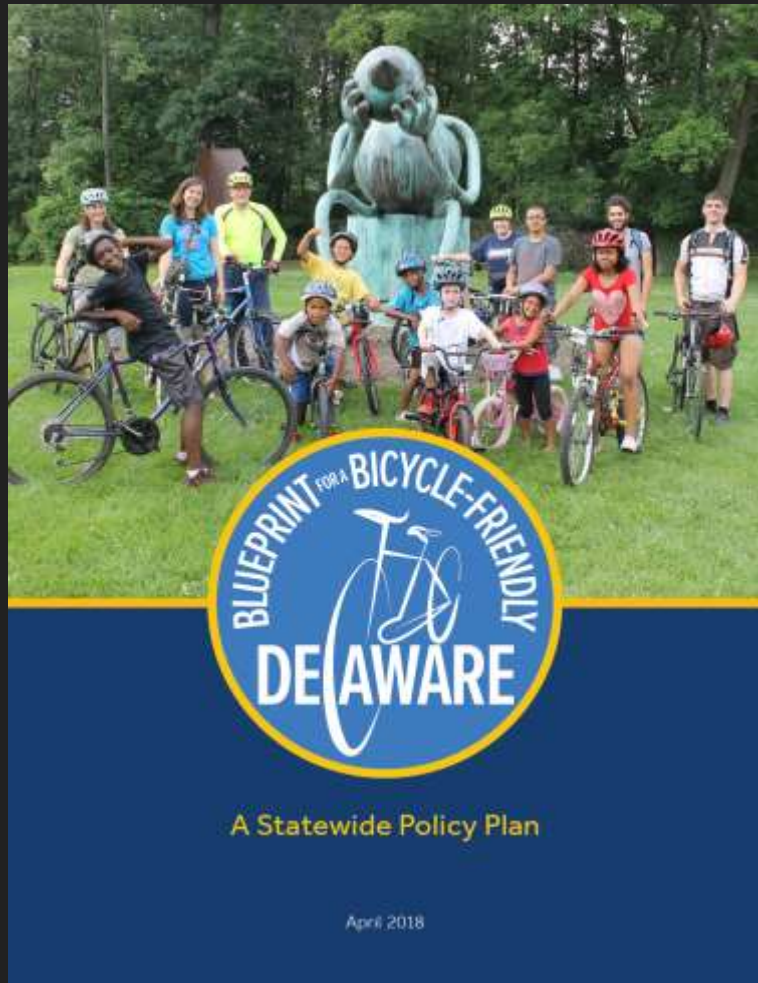
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Statewide Bicycle Policy Plan



Purpose

○ Build upon past planning

Blueprint for
a Bicycle-
Friendly
Delaware

2005
Delaware
Bicycle
Facility
Master Plan

First State
Trails and
Pathways

Future Trails
& Pathways
in Northern
Delaware
Coalition

Local and
Corridor
Plans

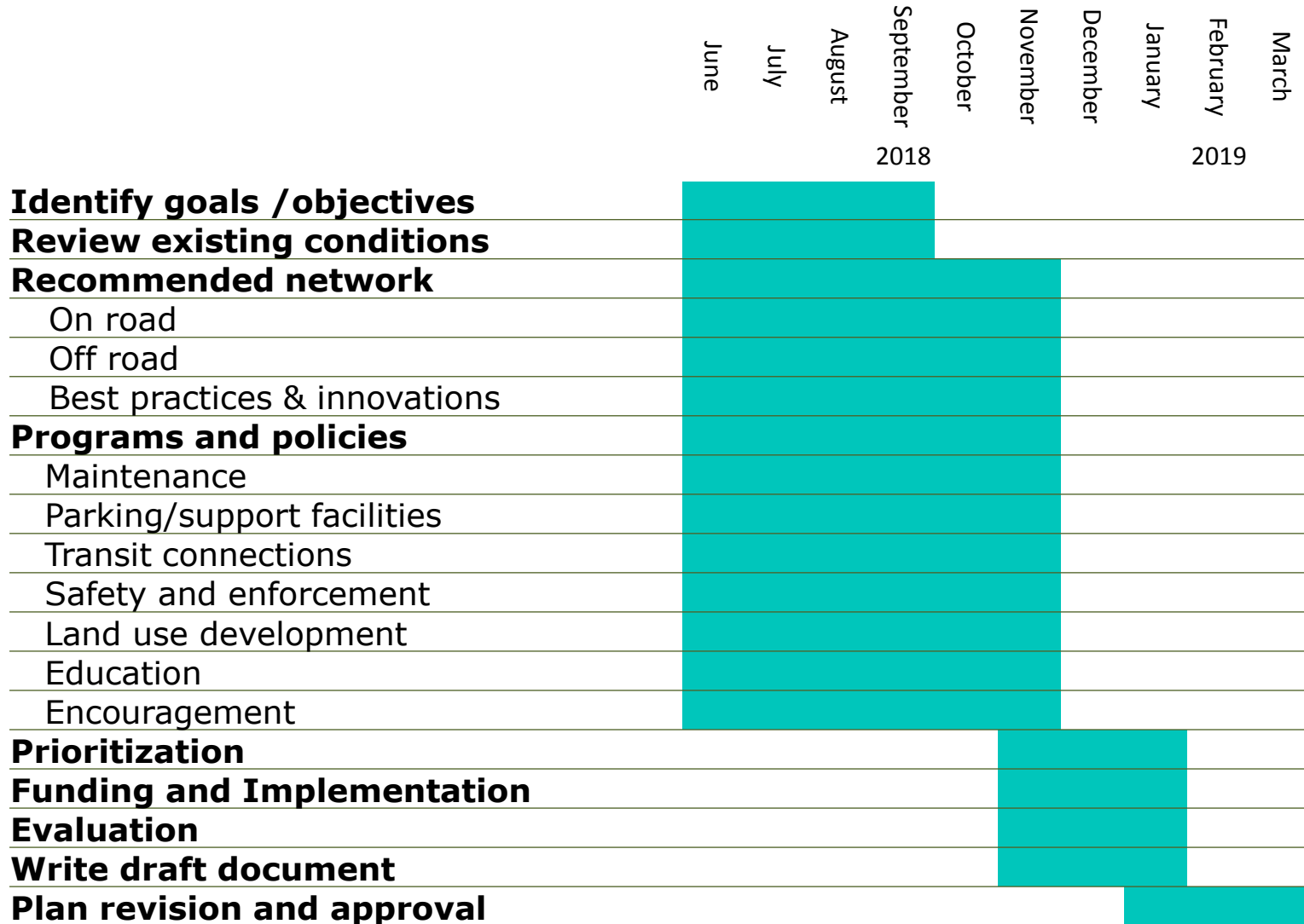
○ Collaborate with local/county government and bicycle/trail stakeholders on:

Better safety,
access and
comfort

Prioritization of
improvements

Programs and
policies for
education,
enforcement and
encouragement

Scope of Work



Suggested Vision

BLUEPRINT FOR A BICYCLE-FRIENDLY DELAWARE VISION

Everyone in Delaware has front-door access to a bicycle network that is safe, comfortable, and conveniently connected to places people want to go. A seamlessly integrated transportation and land use decision-making process, with many partners working together, encourages a culture where people choose bicycling in their daily lives for transportation, recreation, and improved health.

Objectives



Identify bicycle transportation network



Provide equitable bicycle access to transit



Encourage bicycle parking and other end-of-trip facilities



Improve safety through design, maintenance, and enforcement



Incorporate bicycle elements into land use planning

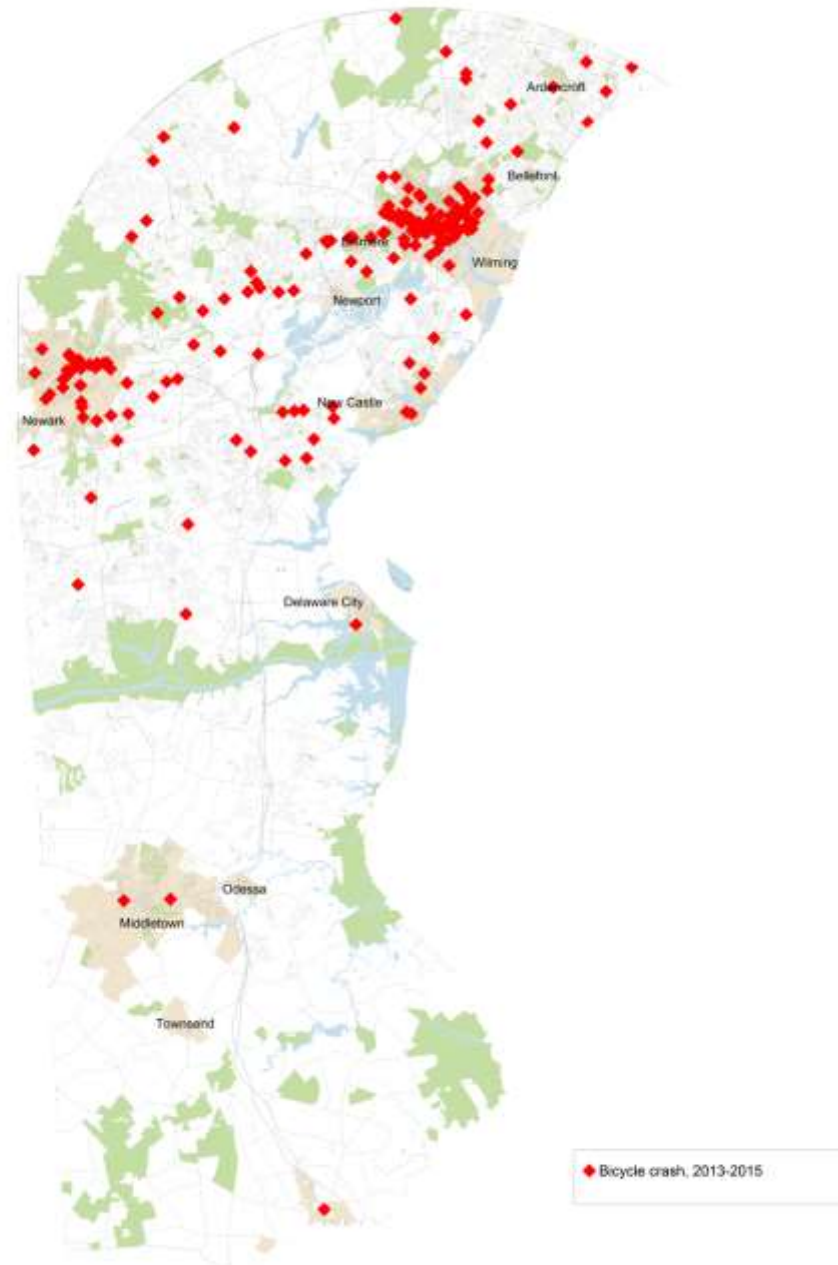


Develop implementation and evaluation plan

Evaluating Existing Conditions

Bicycle Crashes

2013-2015



Blueprint for a Bicycle-Friendly Delaware

Delaware Bicycle Plan Wikimap Comments

- Barrier to Biking
- Route I Bike

Evaluating Existing Conditions

Regional Route Network

Next steps for analysis:

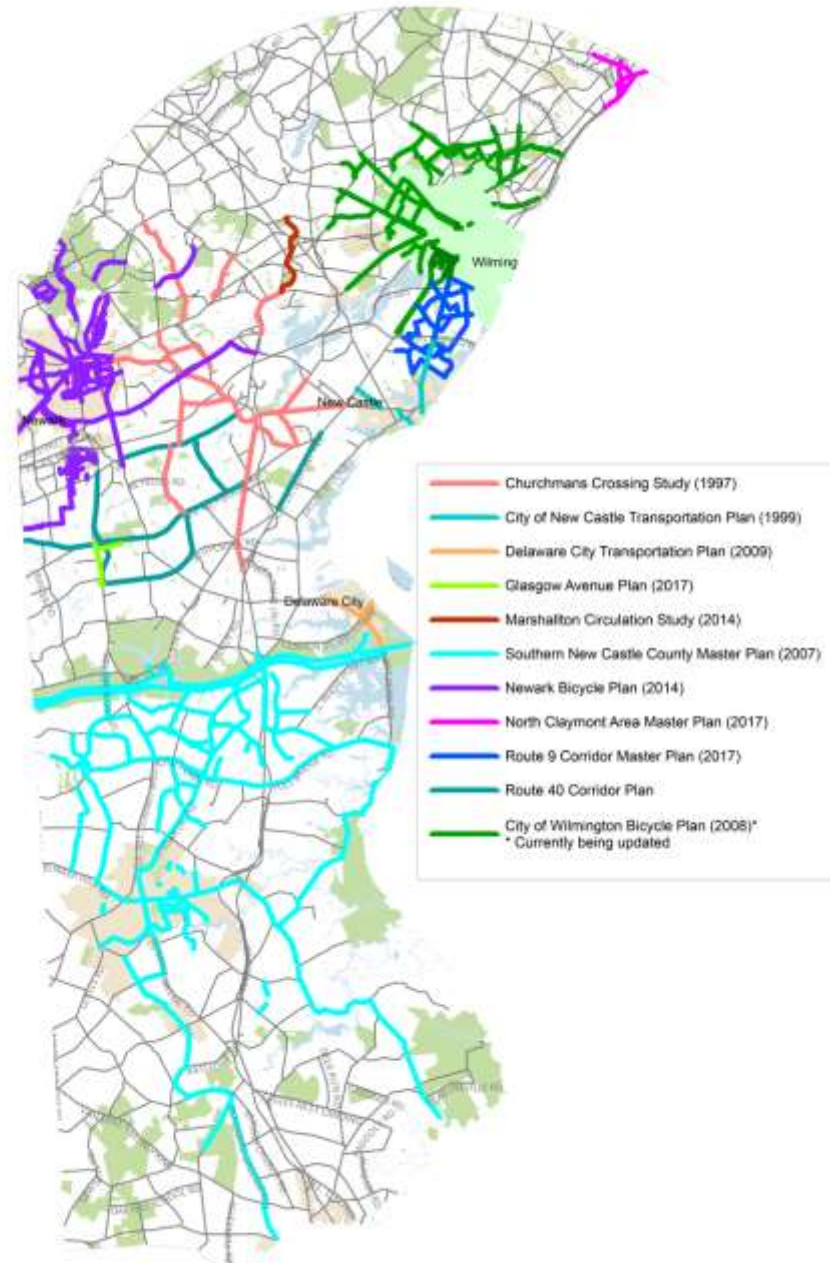
- Refine 2005 bicycle map based to determine project status
- Obtain updated mapping for Newark-Wilmington bicycle route segments



Evaluating Existing Conditions

Subregional and corridor plans

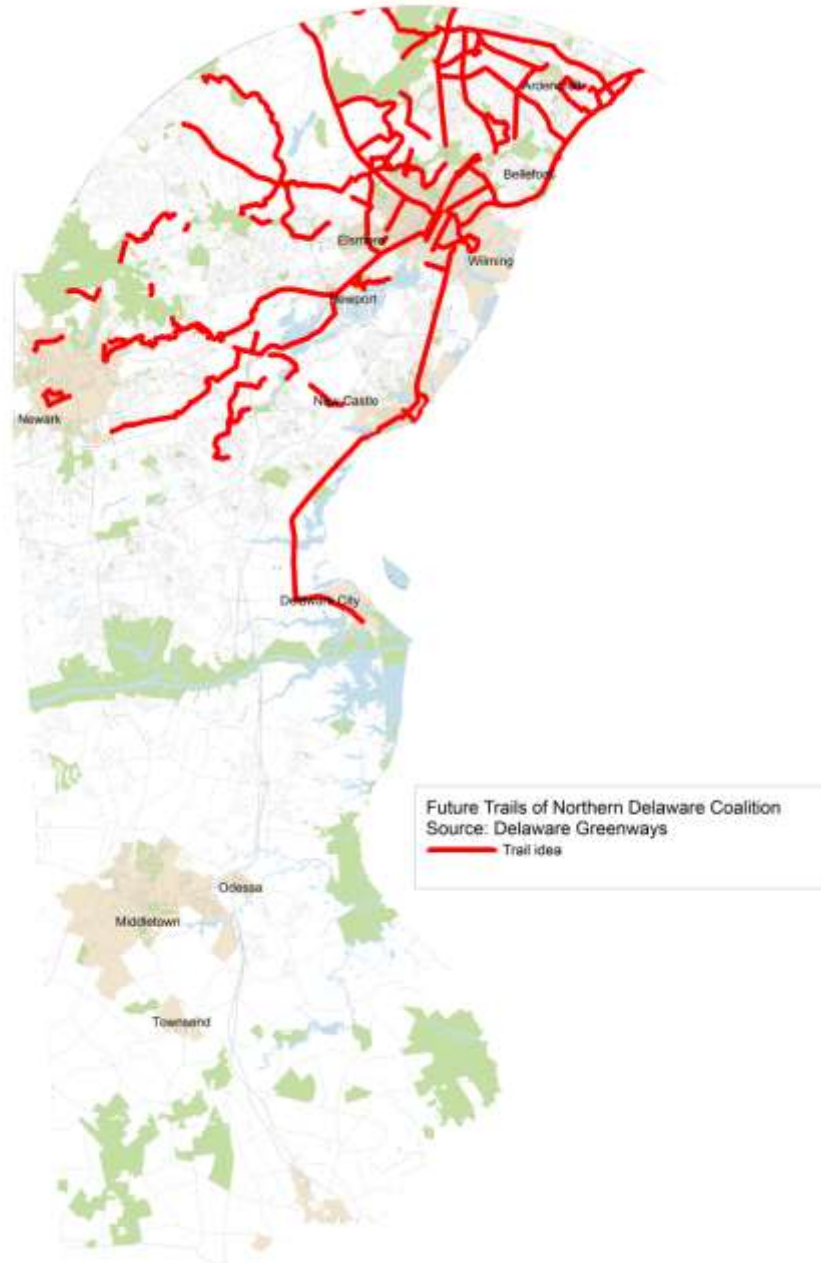
Bicycle lane and pathway recommendations



Evaluating Existing Conditions

Future Trails of Northern Delaware Coalition

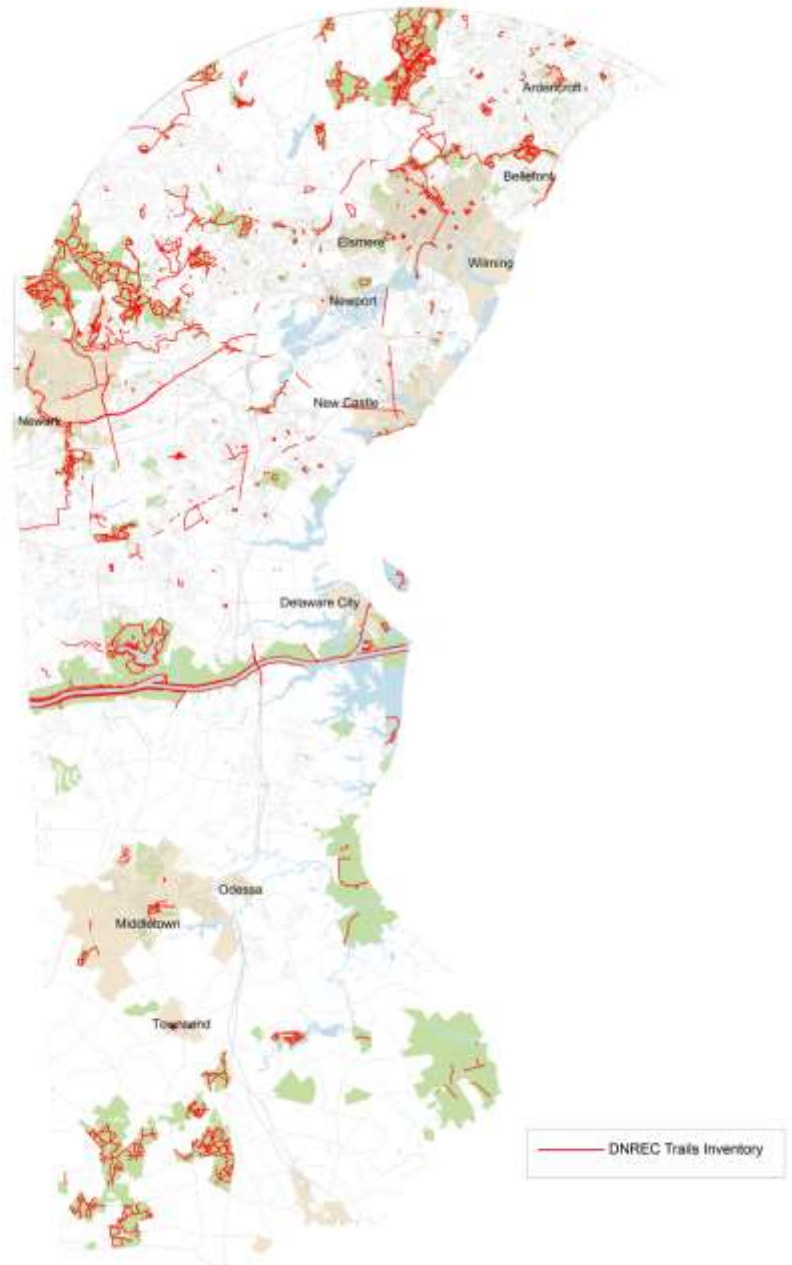
Trail Ideas



Evaluating Existing Conditions

Trails Inventory

Compiled by Delaware State Parks



Level of Traffic Stress

DeIDOT Draft Analysis



Level of Traffic Stress

DeIDOT Draft Analysis



Level of Traffic Stress

DeIDOT Draft Analysis



Types of bikeways

Shared Streets



- Sharrows
- Bicycle boulevards
- Shared streets
- Advisory lanes

Striped Bikeways



- Bike lanes
- Contraflow bike lanes
- Buffered bike lanes

Separated Bikeway



- Sidepath
- Separated bike lanes

Paths



- Off-street trails
- Neighborhood connectors

← LESS

SEPARATION FROM TRAFFIC

MORE →

Shared Streets

- Low cost
- Best for slow, low traffic streets



Sharrows

- Also called shared lane marking
- Shows proper lane position
- May be on green background to enhance visibility



Bicycle boulevards

- Also called neighborhood greenways
- Combines traffic calming and bicycle wayfinding
- May provide bicycle-only cut-throughs



Shared streets

- Very slow, low traffic volumes
- Includes neighborhood streets and urban shared spaces



Advisory lanes

- Use on roads too narrow for bike lanes
- Motorists may yield to on-coming traffic by crossing advisory lane

Striped Bikeways

- Low cost
- Best for wider streets



Bike lanes

- Should be approx. 5 ft
- Best for slower streets



Contraflow bike lanes

- Allows 2-way bike travel on 1-way streets



Buffered bike lanes

- Provides greater separation
- Best for faster streets

Separated Bikeways

- Higher cost
- Best high traffic/speed streets



Sidepath

- Shared by people walking and bicycling
- 2-way travel



Separated bike lane

- Protected space for biking
- May be 1-way or 2-way

Paths

- Used to walk or bike
- Can use stream, utility, rail or other corridors



Off-street paths

- Away from traffic
- For walking and biking
- Paved or unpaved with all-weather surface



Neighborhood connectors

- Very short link between low-stress local streets

Next Steps

- Establish/meet with advisory committee and focus groups
- Listening tour with towns and communities
- Develop draft recommendations for community review
- Prioritize recommendations

Discussion

- Discussion (programs, policies and infrastructure):
 - What are your community's greatest assets for bicycling and pathways?
 - What are your community's greatest challenges for low-stress bicycling?
 - What actions could your community take to promote bicycling?

Mapping Exercise

- In person or at <http://wikimapping.net/wikimap/Delaware-Bike-Plan.html>

Questions and comments

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