

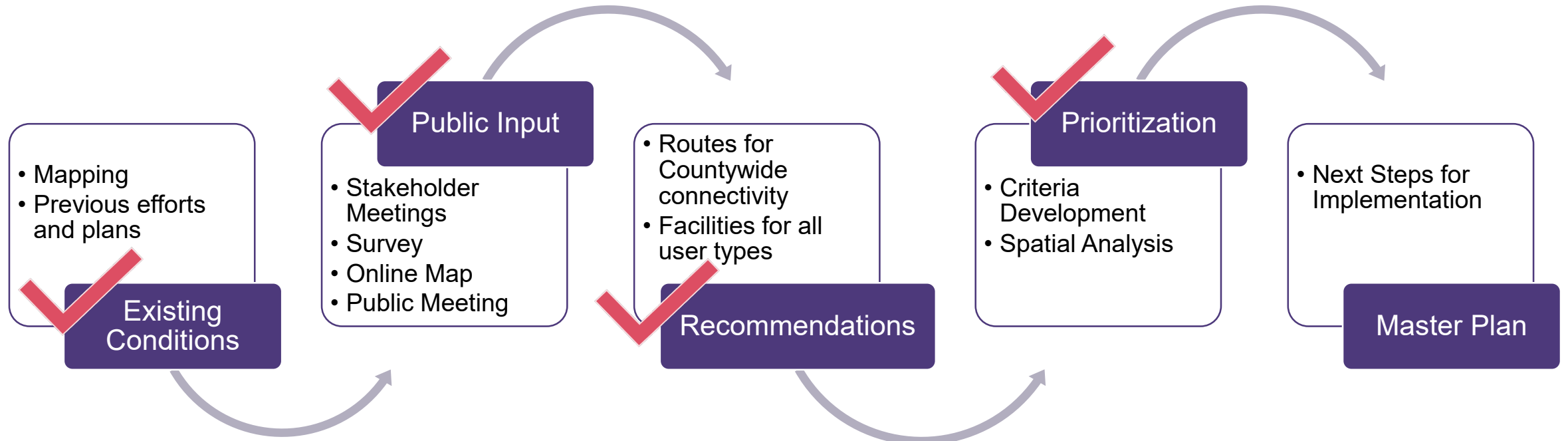
BRTB Bicycle & Pedestrian Advisory Group



Queen Anne's County
Pedestrian & Bicycle
Master Plan



Master Planning Process



Survey

- Collect public feedback on the existing and preferred uses of the network are
- Collect feedback on the constraints that prevent residents from using the existing facilities
- Identify desired pedestrian and bicycle connections

Stakeholder Meetings

- Collect feedback from stakeholder groups on the existing network
- Gain insight on populations that do not use the existing facilities
- Validate existing conditions data collected and increase understanding of areas of concern that are not shown in the data
- Understand priorities, goals, and opportunities for future network improvements

Open House

- Collect input on the existing constraints of the network are
- Understand community perspectives on what priorities they have regarding the bicycle and pedestrian network



Level of Traffic Stress (LTS)

- **Source:** Maryland Department of Transportation (MDOT)
- **Elements:**
 - Presence and type of bicycle facility
 - Speed limit of roadway
 - Number of through lanes
 - Traffic volume on roadway (AADT)
- **Use in the Master Plan:**
 - Helped determine potential route recommendations (low-stress alternatives)
 - Was one of the criterion used in the prioritization analysis of route recommendations

LTS	Corresponding Bicyclists
0	All ages and abilities
1	Almost everyone
2	Interested but concerned
3	Enthused and confident
4	Strong and fearless
5	Bicycle access prohibited

Level of Stress

LTS Score	Target Bicycling Audience	Bicycle Facility Types
0	All ages and abilities	Rail-trails, shared-use paths (no motor vehicle traffic)
1	Almost everyone	Protected bikeways, sidepaths (low traffic speeds/volumes)
2	Interested but concerned	Bike lanes, bike boulevards
3	Enthusied and confident	Bike lanes, shared lanes, shoulders
4	Strong and fearless	No bike facility or bike lane on a major roadway (heavy traffic)
5	Bicycle access prohibited	N/A (interstates or other prohibited roadways)

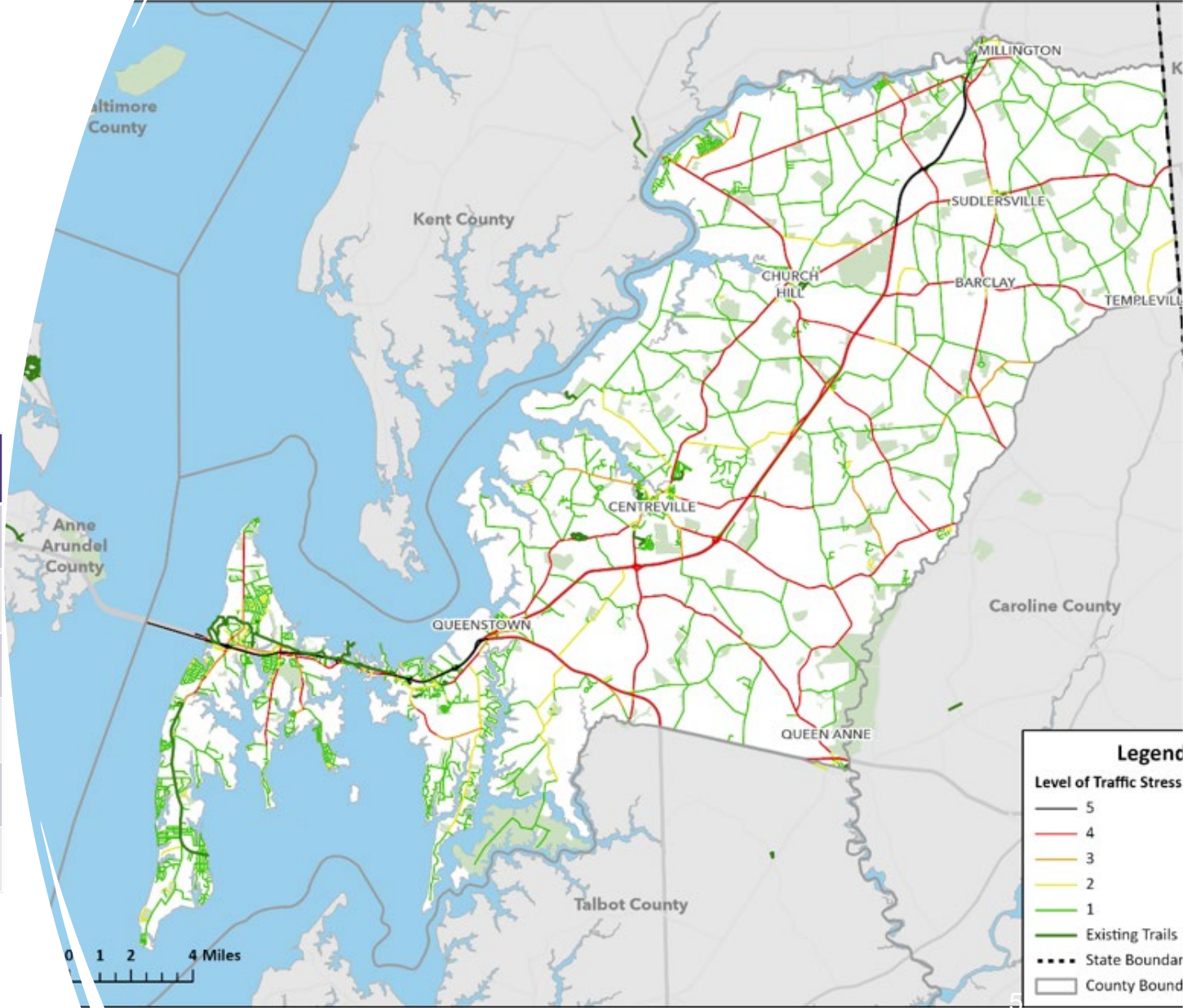


Figure 14. MDOT LTS Analysis Results for Queen Anne's County



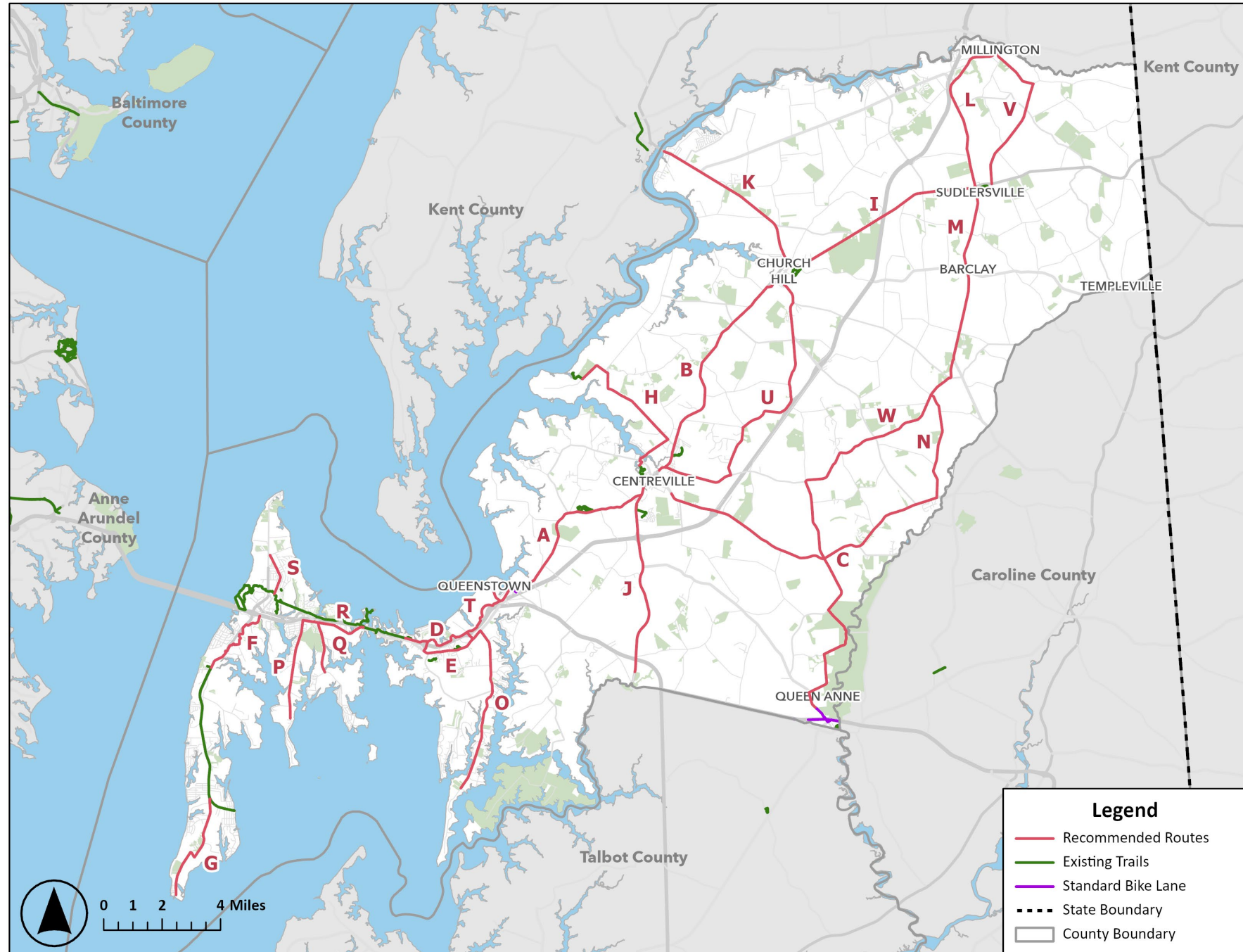
Developing Route Recommendations

1. Identify origins, destinations, and routes requested by the public through Public Coordinate and the Public Workshop.
2. Identify routes previously identified in the QAC Comprehensive Plan.
3. Reference Maryland Bicycle Level of Traffic Stress data to determine possible low-stress routes between locations.
4. Review of existing conditions to determine constraints and opportunities associated with each recommendation.
 - Roadway grade and curvature
 - Presence and condition of shoulders
 - Presence and proximity of overhead utilities (power lines)
 - Approximate right-of-way between parcel/property lines



Recommended Routes

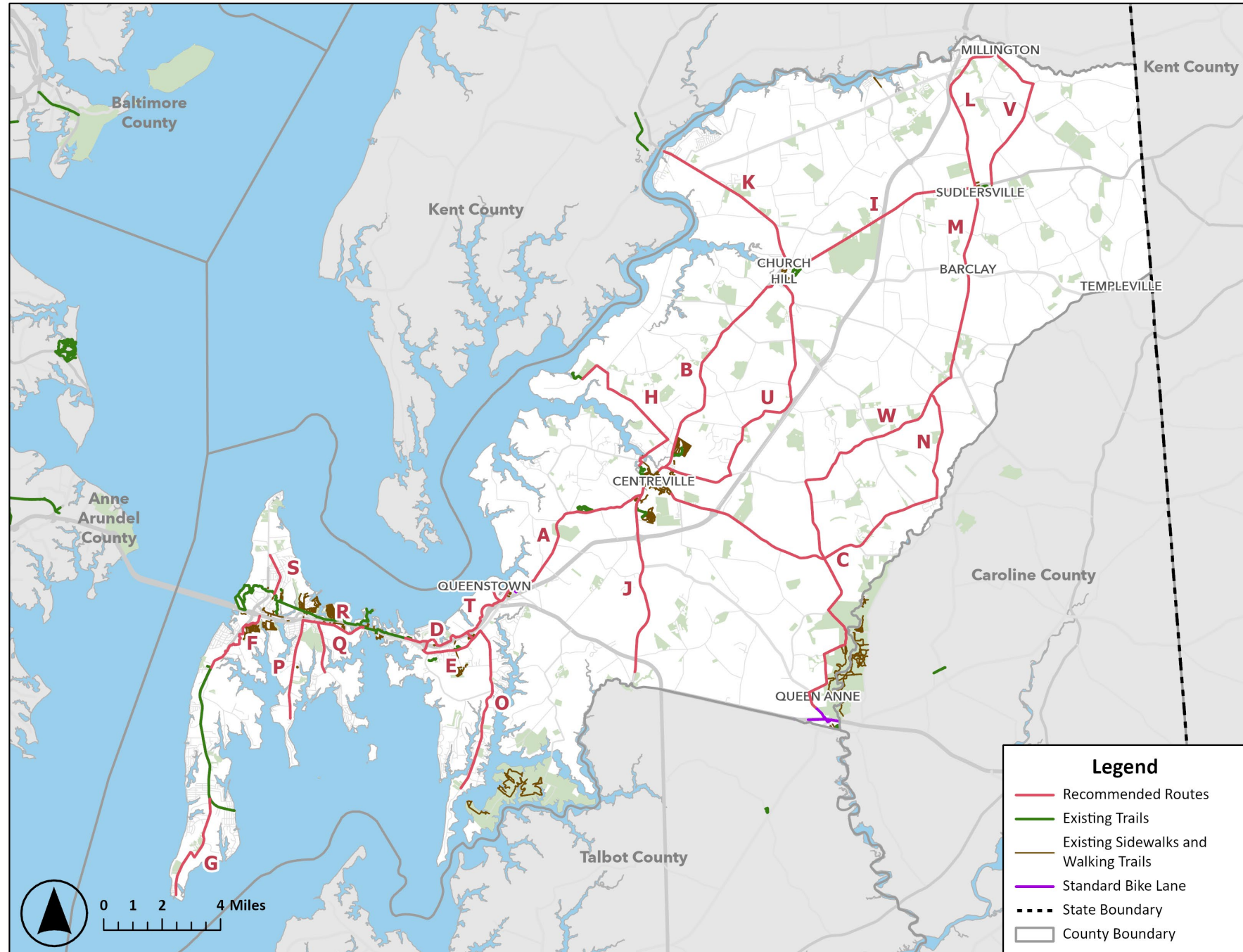
Project ID	Start	End
A	Queenstown	Centreville
B	Centreville	Church Hill
C	Centreville	Queen Anne
D	Cross Island Trail	Queenstown
E	Cross Island Trail Ext	Grasonville
F	South Island Trail	North
G	South Island Trail	South
H	Centreville	Corsica Neck
I	Church Hill	Sudlersville
J	Centreville	Chesapeake College
K	Church Hill	Kingstown
L	Sudlersville	Millington
M	Sudlersville	Barclay
N	Barclay	Ruthsburg
O	Grasonville	Bennett Point
P	Chester	Turkey Point
Q	Chester	Crab Alley Neck
R	Kent Narrows	Chester
S	Cross Island Trail	North
T	Cross Island Trail Ext	Queenstown
U	Centreville	Church Hill
V	Sudlersville	Millington
W	Barclay	Ruthsburg



Recommended Routes

existing sidewalks and walking trails overlaid

Project ID	Start	End
A	Queenstown	Centreville
B	Centreville	Church Hill
C	Centreville	Queen Anne
D	Cross Island Trail	Queenstown
E	Cross Island Trail Ext	Grasonville
F	South Island Trail	North
G	South Island Trail	South
H	Centreville	Corsica Neck
I	Church Hill	Sudlersville
J	Centreville	Chesapeake College
K	Church Hill	Kingstown
L	Sudlersville	Millington
M	Sudlersville	Barclay
N	Barclay	Ruthsburg
O	Grasonville	Bennett Point
P	Chester	Turkey Point
Q	Chester	Crab Alley Neck
R	Kent Narrows	Chester
S	Cross Island Trail	North
T	Cross Island Trail Ext	Queenstown
U	Centreville	Church Hill
V	Sudlersville	Millington
W	Barclay	Ruthsburg





Project Tiering

Projects were tiered according to how well they achieved the master plan goals, using the criteria below.

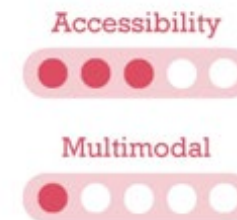
<u>Project Goal</u>	<u>Criteria</u>
Safety	Non-Motorist Crash Data
	Level of Traffic Stress
Accessibility	Incorporated Towns
	Parks
	Schools
	Commercial Land Use (activity centers)
Connectivity	Trails
	Bicycle Lanes
	Sidewalks
Health and Comfort	Facility Length
Equity	Poverty
	Zero-Car Households
	Population Density
	Minority Populations
Multimodal	Bus Stops
	Park and Ride Locations
*County Priority	Previous Investments

Project Summary

- Length
- Existing Level of Stress
- Constraints
- Public Support
- Safety
- Accessibility
- Connectivity

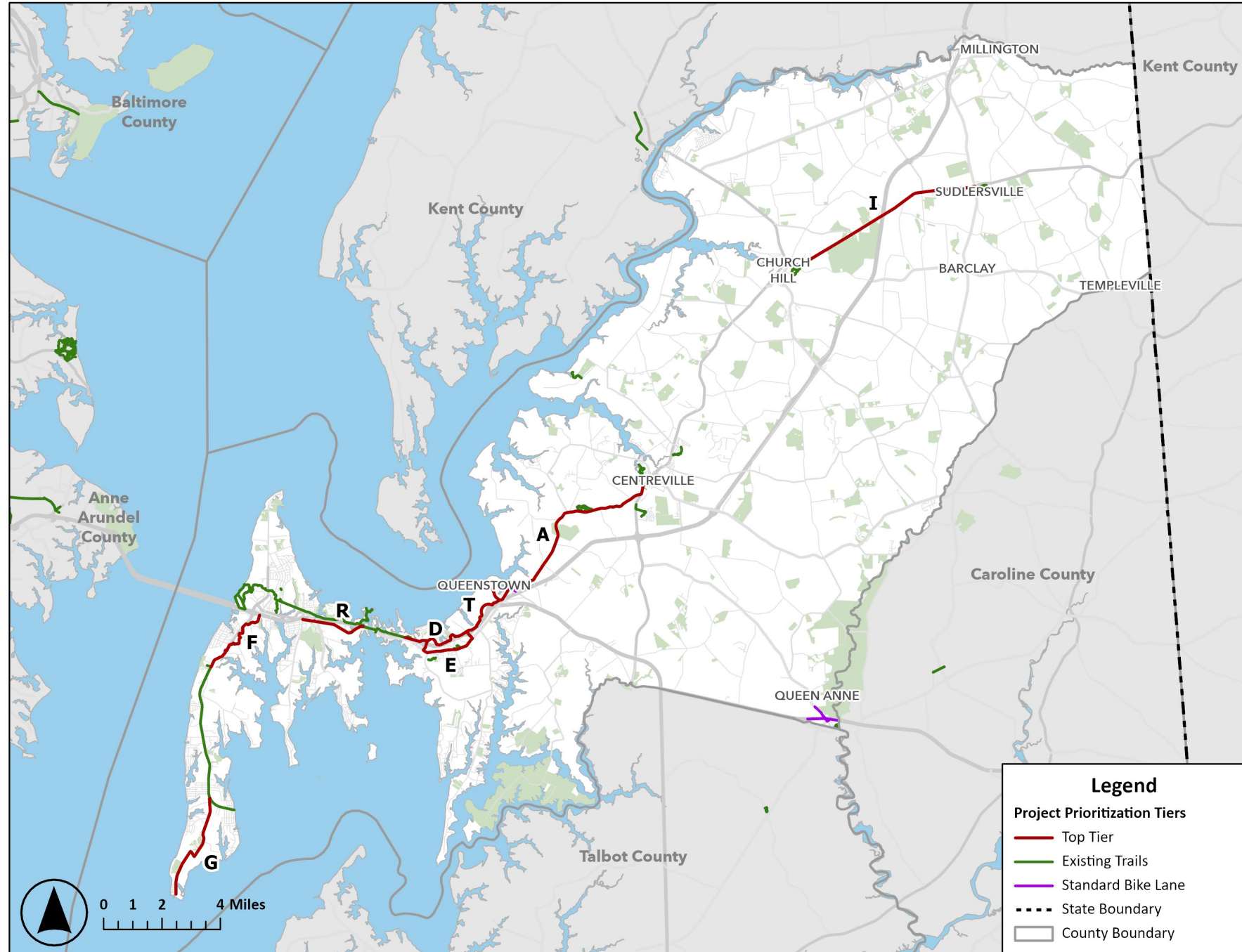


Opportunities	Downtown Queenstown, Cross Island Trail (Current Eastern End), Long Point Park		
Approximate Length	3.0 miles		
Primary LTS	LTS 1		
Potential Constraints	Right-of-way		
Public Support	✓	Public Workshop	✓
		Public Survey	Comprehensive Plan



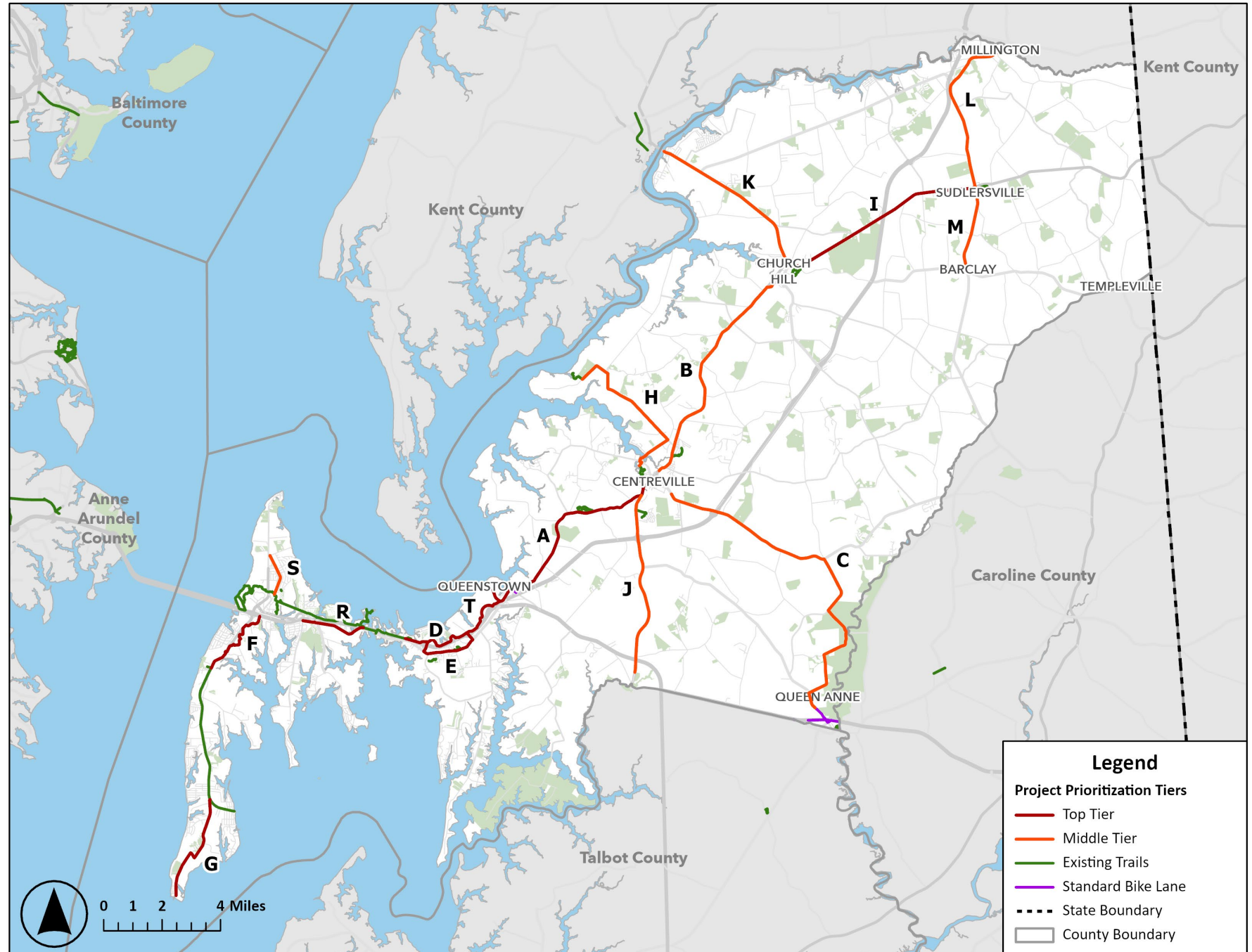
Project Prioritization

Project ID	Start	End
A	Queenstown	Centreville
D	Cross Island Trail	Queenstown
E	Cross Island Trail Ext	Grasonville
F	South Island Trail	North
G	South Island Trail	South
I	Church Hill	Sudlersville
R	Kent Narrows	Chester
T	Cross Island Trail Ext	Queenstown



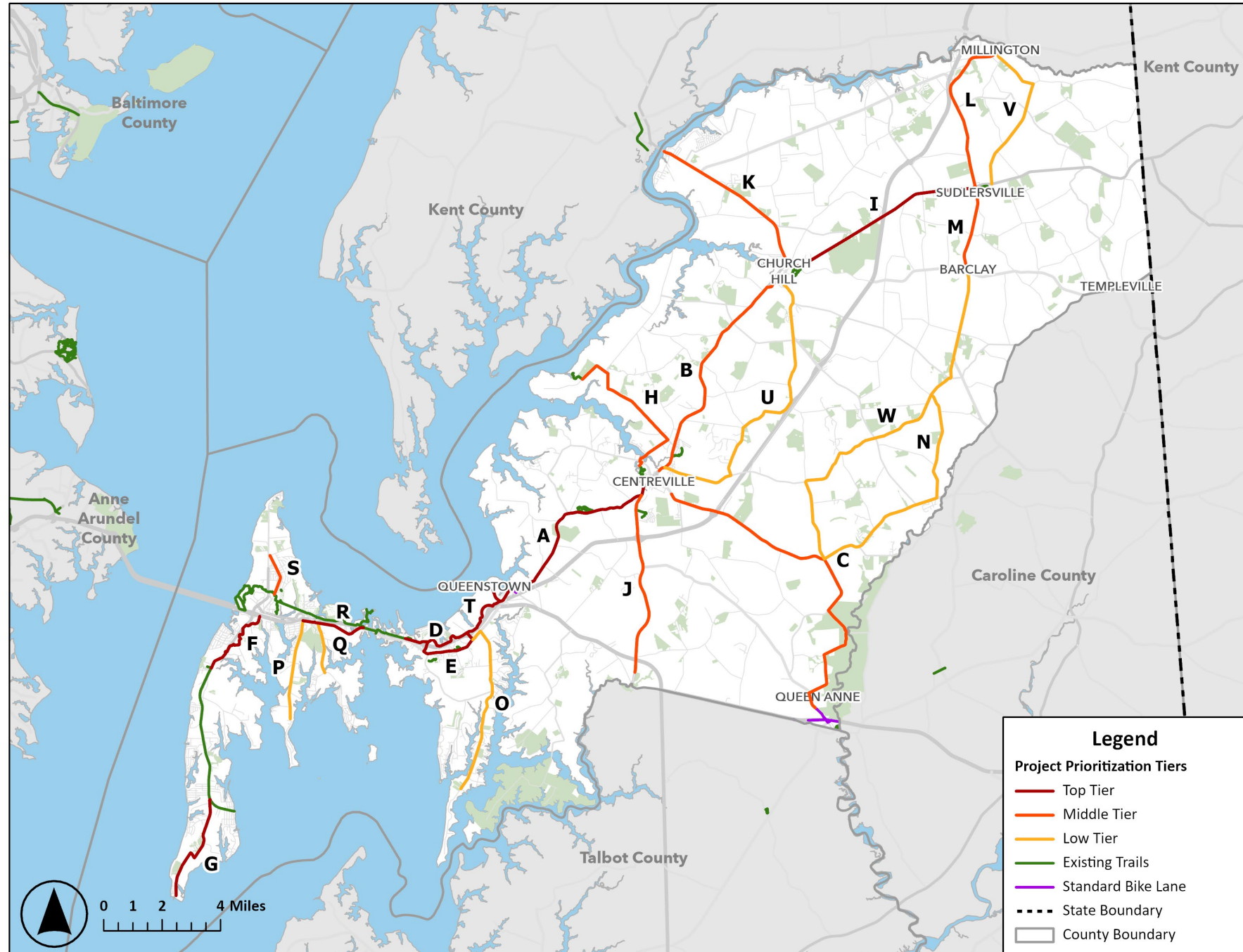
Project Prioritization

Project ID	Start	End
B	Centreville	Church Hill
C	Centreville	Queen Anne
H	Centreville	Corsica Neck
J	Centreville	Chesapeake College
K	Church Hill	Kingstown
L	Sudlersville	Millington
M	Sudlersville	Barclay
S	Cross Island Trail	North



Project Prioritization

Project ID	Start	End
N	Barclay	Ruthsburg
O	Grasonville	Bennett Point
P	Chester	Turkey Point
Q	Chester	Crab Alley Neck
U	Centreville	Church Hill
V	Sudlersville	Millington
W	Barclay	Ruthsburg





Master Planning Document

- **Existing Conditions**

- Demographics
- Bicycle and pedestrian infrastructure
- Community needs
- Crash history

- **Project Goals**

- **Project Identification**

- Approach
- Recommended routes

- **Prioritization**

- Criteria and Analysis
- Project pages

- **Supporting Next Steps**

- Education, enforcement, engagement
- Maintenance
- Funding



Thank you!

Questions?