

Sussex County

Analysis Inputs

Compared to other counties in the region, Sussex County has low-scoring bicycle trip potential. With an overall score of 82, Town of Newton has the highest demand in the County. About half of the County scores between 30 and 80, with most locations scoring below 50. Communities with medium trip potential include Branchville Borough, Sussex Borough, Franklin Borough, Hamburg Borough, Ogdensburg Borough, Vernon Township, Sparta Township, Hopatcong Borough, Byram Township, Andover Borough and Township, and other communities surrounding Town of Newton. Most areas in the County score low on population and employment density, presence of low-income communities, and land use mix, which contributes to low bicycle demand overall. The regional network connects to most medium- and high-scoring areas, except for the northern corners of Montague and Vernon Townships.

There is only one bicycle or pedestrian high-crash location in Sussex County. A small segment of Madison Street in Town of Newton is in the top 100 pedestrian crash corridors in the region. The regional network overlaps with this location.

Table 21 shows the most predominant EJ populations in Sussex County by census block. Sussex County has 11 census block groups that include EJ populations, primarily low-income. They are in Town of Newton, Sussex Borough, Franklin Borough, Hopatcong Borough, Montague Township, and Andover Township. Minority areas are confined to Town of Newton and Hopatcong Borough. The regional network connects to every EJ population in the county.

Table 21: Overburdened Communities in Sussex County

OBC Category	Number of census blocks
Low Income	8
Minority	3

Public Feedback

Sussex County received eight webmap comments, so it is difficult to draw any conclusions about public priorities with such a limited sample size. One respondent mentioned maintenance concerns on the Sussex Branch Trail, . Several respondents shared concerns about US 206 in City of Newton and Hopatcong Borough. Concerns included a need for more sidewalks, separated bike facilities, and more frequent and safer signalized crossing opportunities. Lack of sidewalks was a theme among responses, particularly in Sparta Township and Town of Newton, and on Newton Sparta Road. The regional network overlaps with all of these comments, which provides a strong foundation for addressing public priorities through the regional ATP.

Existing Network and Proposed Improvements

There are several trails throughout Sussex County that connect communities. The Sussex Branch Trail begins in Mt Olive Township in neighboring Morris County, travels through Byram Township, Andover Township and Borough, Town of Newton, and Lafayette Township, and terminates in Branchville Borough. The trail overlaps with some of the higher demand areas for bicycling in the County. The regional network would expand on this corridor and provide alternate routes, fill in gaps, and create safer connections between communities. The Paulinskill Valley Trail is a recreational, unpaved facility that begins in Lafayette Township, intersects the Sussex Branch Trail and connects to Warren County. There are also many recreational walking trails in High Point State Park, Wawayanda State Park, and the Delaware Water Gap National Recreation Area, including the Appalachian

Trail. There are very few on-road bike facilities in the County, so the regional network would both expand existing trails and introduce more direct on-road routes to destinations.

There is currently no NJ TRANSIT commuter rail service in Sussex County. However, the Lackawanna Cutoff restoration project (approved for funding in 2022) will eventually renew NJ TRANSIT commuter rail service through Andover Borough and Township.

Table 22 lists all roads in Sussex County's regional network. It includes road name, municipality, and length of each segment. Network segments that are less than 0.25 miles in length are not listed. Many network segments are on high-volume state highway corridors; as such they are not presently conducive to active transportation. However, walk/bike potential does exist in these areas, and more suitable parallel routing could be explored, such as sidepaths, trails, and other separated facilities, as well as improved transit service for longer distance connections. Local roads that parallel the regional network may also be used as alternate low-stress routes during network implementation.

Table 22: Sussex County Regional Network Corridors

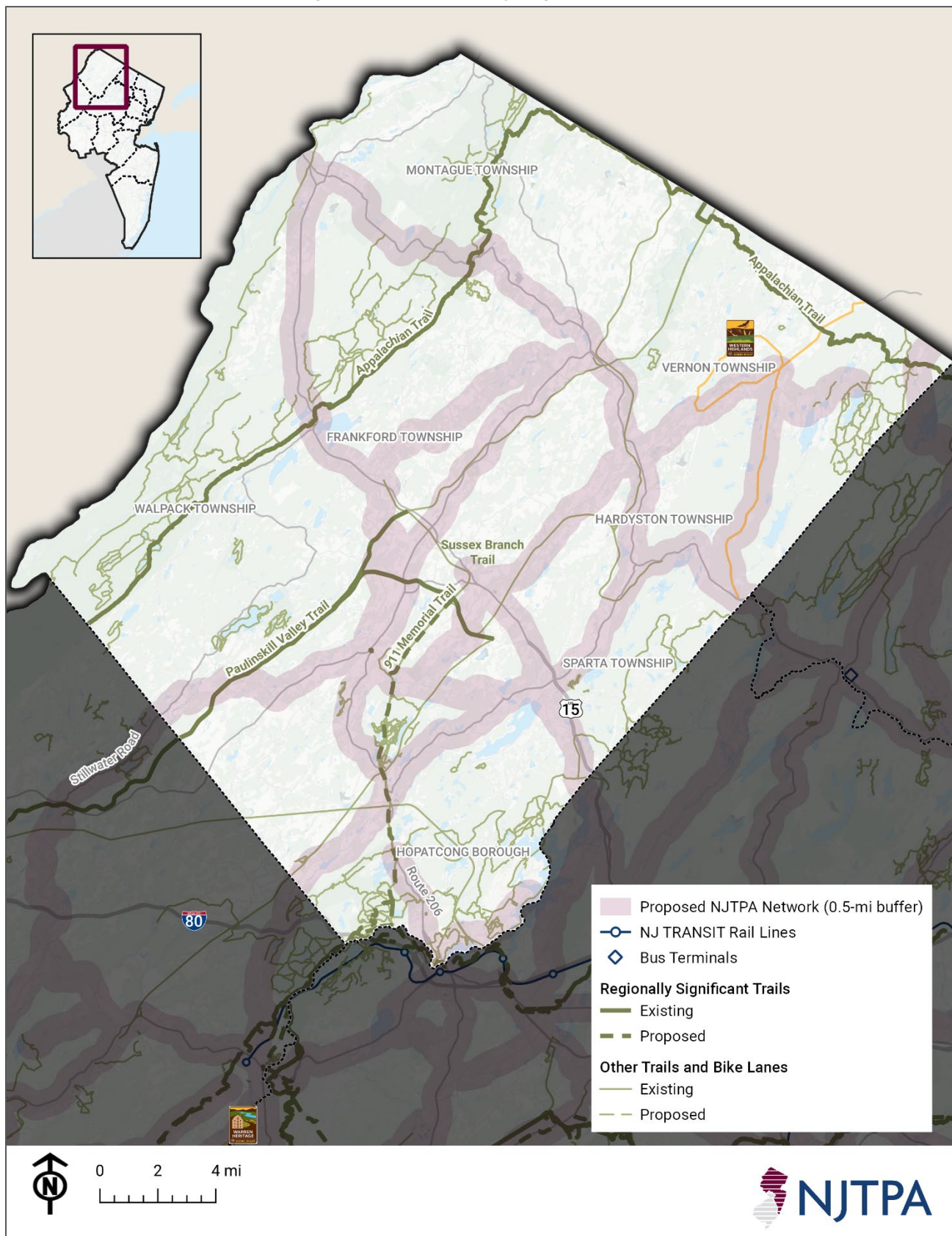
Road Name	County/NJ/US Route	Municipality	Start Point	End Point	Length (Miles)
Lenape Road	CR 517	Borough of Andover	Main Street	Andover Sparta Road, Old Creamery Road	0.64
Tranquility Road	CR 517	Borough of Andover	Decker Pond Road	Brighton Avenue, Brighton Road, High Street, West High Street	0.62
Mill Street	CR 519	Borough of Branchville	Newton Avenue	Broad Street, Mattison Avenue	0.35
Wantage Avenue	CR 519	Borough of Branchville	Broad Street	Kice Road, Wykertown Road	1.20
Munsonhurst Road	CR 517	Borough of Franklin	Main Street	N/A	1.27
Hamburg Turnpike	CR 517, NJ 23	Borough of Hamburg	Warren Street	N/A	2.27
Vernon Avenue	NJ 94	Borough of Hamburg	Ames Boulevard, Hamburg Turnpike	Michael Court	0.54
Lakeside Boulevard	CR 607	Borough of Hopatcong	N/A	N/A	1.70
Wills Avenue	CR 602	Borough of Hopatcong	Brooklyn - Stanhope Road, Frances Avenue	Brooklyn Road	0.62
N/A	N/A	Borough of Stanhope	Ledgewood Avenue, Main Street	Dell Road	0.84
Brooklyn Road	CR 602	Borough of Stanhope	Wills Avenue	Sparta Road	0.48
Clove Avenue	CR 643, NJ 23	Borough of Sussex	N/A	N/A	0.51
Main Street	CR 643, NJ 23	Borough of Sussex	N/A	Clove Avenue, New Jersey Route 284, Newton Avenue	0.47
Walling Avenue	NJ 23	Borough of Sussex	County Highway 639, Loomis Avenue	Lower Unionville Road	0.48
Mill Street	CR 519	Town of Newton	Trinity Street, Water Street	Newton - Halsey Road	0.88
Water Street	CR 519, NJ 94, US 206	Town of Newton	N/A	N/A	0.72
High Street (CR 519)	CR 519, NJ 94	Town of Newton	Academy Street, High Street, West End Avenue	N/A	0.28
Main Street	CR 519, NJ 94, US 206	Town of Newton	Woodside Avenue	Spring Street	0.87
Sparta Avenue	CR 616	Town of Newton	Woodside Avenue	Newton Sparta Road	0.71
Woodside Avenue	CR 621, US 206	Town of Newton	N/A	Sparta Avenue	1.07
High Street	NJ 94	Town of Newton	N/A	N/A	0.70

Road Name	County/NJ/US Route	Municipality	Start Point	End Point	Length (Miles)
N/A	US 206	Township of Andover	Main Street, Sussex Branch Trail	Woodside Avenue	3.43
Andover Sparta Road	CR 517	Township of Andover	Andover Road, Perona Road	Lenape Road, Old Creamery Road	3.34
Newton Sparta Road	CR 616	Township of Andover	Sparta Avenue	Andover Road, Sparta Avenue	4.16
Germany Flats Road	CR 623	Township of Andover	Lawrence Road, Pierce Road	Randazzo Road, Sunset Inn Road	1.11
Lawrence Road	CR 623	Township of Andover	Lake Iliff Road, Newton Sparta Road	Germany Flats Road, Pierce Road	1.41
N/A	US 206	Township of Byram	N/A	N/A	1.07
Route 206	US 206	Township of Byram	Main Street, South Shore Road, Willor Drive	N/A	1.30
Main Street	US 206	Township of Byram	Sussex Branch Trail, Tamarack Road	Route 206, South Shore Road, Willor Drive	0.31
Wykertown Road	CR 629	Township of Frankford	Kice Road, Wantage Avenue	Haggerty Road, Meyer Road	2.70
Ross Corner - Sussex Road	CR 565	Township of Frankford	N/A	N/A	4.96
Newton Avenue	CR 519	Township of Frankford	Branchville - Lawson Road, Morris Turnpike	Mill Street	1.70
Stillwater Road	CR 610	Township of Fredon	Phil Hardin Road	East Shore Drive, Main Fredon Road	1.92
N/A	NJ 94	Township of Fredon	Phil Hardin Road, Stillwater Road	High Street	2.68
Decker Pond Road	CR 517	Township of Green	Hackettstown Road	Whitehall Road	3.48
N/A	CR 519	Township of Hampton	Newton - Halsey Road	Morris Turnpike, Smith Hill Road	1.76
Hampton House Road	NJ 94, US 206	Township of Hampton	N/A	N/A	4.45
Newton - Halsey Road	CR 519	Township of Hampton	N/A	Mill Street	1.69
Morris Turnpike	CR 519	Township of Hampton	Branchville - Lawson Road, Newton Avenue	Smith Hill Road	0.69
Newfoundland Road	NJ 23	Township of Hardyston	N/A	N/A	0.96
N/A	NJ 23	Township of Hardyston	N/A	N/A	6.71
Stockholm - Vernon Road	CR 515	Township of Hardyston	Vernon - Stocholm Road	Newfoundland Road	3.25
Ames Boulevard	NJ 94	Township of Hardyston	Forest Hills Way	Hamburg Turnpike, Vernon Avenue	1.06

Road Name	County/NJ/US Route	Municipality	Start Point	End Point	Length (Miles)
N/A	NJ 94	Township of Hardyston	North Church Road	Ames Boulevard, Forest Hills Way	3.27
N/A	NJ 94	Township of Hardyston	N/A	N/A	2.13
Sunset Inn Road	CR 623, NJ 94	Township of Lafayette	North Church Road	Germany Flats Road, Randazzo Road	1.90
Lafayette Road	NJ 15	Township of Lafayette	Meadows Road, Morris Farm Road	N/A	0.50
Deckertown Turnpike	CR 650	Township of Montague	Libertyville Road	Clove Road	8.71
Clove Road	CR 653	Township of Montague	N/A	Deckertown Turnpike	0.52
N/A	US 206, CR 521	Township of Sandyston	N/A	N/A	13.23
N/A	N/A	Township of Sparta	N/A	N/A	0.31
Lafayette Road	NJ 15	Township of Sparta	N/A	N/A	3.39
Sparta Avenue	CR 517	Township of Sparta	N/A	N/A	2.81
Woodport Road	NJ 181	Township of Sparta	N/A	N/A	3.87
Lafayette Road	NJ 181	Township of Sparta	Main Street, Woodport Road	N/A	2.04
North Church Road	NJ 94	Township of Sparta	N/A	Sunset Inn Road	3.13
Main Street	CR 517	Township of Sparta	Munsonhurst Road	Sparta Avenue	3.28
Andover Road	CR 517	Township of Sparta	Andover Sparta Road, Perona Road	Newton Sparta Road, Sparta Avenue	1.61
Main Fredon Road	CR 610	Township of Stillwater	East Shore Drive, Stillwater Road	Maple Avenue, Stillwater Road	2.02
Maple Avenue	CR 521	Township of Stillwater	Stillwater Road	Main Fredon Road, Stillwater Road	1.06
N/A	N/A	Township of Vernon	N/A	N/A	0.51
Breakneck Road	N/A	Township of Vernon	Vernon - Stockholm Road	Canistear Road, Wawayanda Road	2.31
Wawayanda Road	N/A	Township of Vernon	N/A	Breakneck Road, Canistear Road	1.76
McAfee - Vernon Road	CR 517, NJ 94	Township of Vernon	N/A	N/A	3.71
Warwick Turnpike	N/A	Township of Vernon	N/A	N/A	2.01
Vernon - Stocholm Road	CR 515	Township of Vernon	Stockholm - Vernon Road	Vernon - Stockholm Road	2.46
Vernon - Stockholm Road	CR 515	Township of Vernon	Vernon - Stocholm Road	Breakneck Road	2.25
N/A	NJ 23	Township of Wantage	N/A	N/A	4.05

Road Name	County/NJ/US Route	Municipality	Start Point	End Point	Length (Miles)
Libertyville Road	CR 650	Township of Wantage	N/A	Deckertown Turnpike	2.24
Libertyville Road	CR 650	Township of Wantage	Coykendall Road, Deckertown Turnpike, Hickory Road	Deckertown Turnpike	1.07
County Highway 639	CR 639	Township of Wantage	N/A	Loomis Avenue, Walling Avenue	1.43
Haggerty Road	CR 635	Township of Wantage	Meyer Road, Wykertown Road	Pidgeon Hill Road	3.76
Deckertown Turnpike	CR 650	Township of Wantage	Libertyville Road	Coykendall Road, Hickory Road, Libertyville Road	0.55
N/A	N/A	Township of Wantage	Clove Avenue, Torel Road	Libertyville Road	0.31

Figure 21: Sussex County Regional Network



- Proposed NJTPA Network (0.5-mi buffer)
- NJ TRANSIT Rail Lines
- Bus Terminals
- Regionally Significant Trails**
- Existing
- Proposed
- Other Trails and Bike Lanes**
- Existing
- Proposed

0 2 4 mi

