

New Jersey Network Screening Lists, 2023

NJTPA - Pedestrian/Bicycle Intersection List (2016-2020 Crashes)

Developed by GPI for the New Jersey Department of Transportation (NJDOT)

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Crash Filtering Criteria					
Source Table	Query Logic	Source Table Field	Readable Field	Query Values	Description
Safety Voyager Accidents Table	AND	year	Year	BETWEEN 2016 AND 2020	Years 2016, 2017, 2018, 2019, 2020
		mun_cty_co	County	IN ('02', '07', '09', '10', '12', '13', '14', '15', '16', '18', '19', '20', '21')	02 - Bergen; 07 - Essex; 09 - Hudson; 10 - Hunterdon; 12 - Middlesex; 13 - Monmouth; 14 - Morris; 15 - Ocean; 16 - Passaic; 18 - Somerset; 19 - Sussex; 20 - Union; 21 - Warren
		road_sys_code	Road System	IN ('05', '06', '07', '08')	05 - County; 06 - County Authority; 07 - Municipal; 08 - Municipal Authority Park or Institution
		intersection	At Intersection	= 'Y'	Y - Yes
	OR	crash_type	Crash Type	IN ('13', '14')	13 - Pedestrian; 14 - Pedacyclist
	ped_involved	Pedestrian Involved	> 0	At least one pedestrian involved	
	cyclist_involved	Cyclist Involved	> 0	At least one pedacyclist involved	

The Network Screening List is based upon a programmatic analysis of statewide locations utilizing data supplied by third party sources. Because of limitations in the data supplied and the method used to develop the list, users should be aware that the rankings of locations and data for locations may be incorrect and/or incomplete. Analysis and engineering judgement should be used when applying insights and assessing network locations. The New Jersey Department of Transportation makes no guarantees as to the accuracy, completeness, or content of the information. This list is subject to update as more information becomes available.

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Equivalent Property Damage Only (ePDD) Score Weights				
Crash Severity	KABCO Scale	2022 Dollars	ePDD Value (K-A)	eC Value (K-A)
Fatal	K	\$14,277,743	56.9173	5.2470
Incapacitating Injury	A	\$826,309	56.9173	5.2470
Non-incapacitating Injury	B	\$249,666	17.1973	1.5854
Possible Injury	C	\$157,482	10.8476	1.0000
Property Damage Only	O	\$14,518	1.0000	-

$$ePDD_{Total} = [K] * [ePDD_K] + [A] * [ePDD_A] + [B] * [ePDD_B] + [C] * [ePDD_C] + [PDD] * [ePDD_{PDD}]$$

$$eC_{Total} = [K] * [eC_K] + [A] * [eC_A] + [B] * [eC_B] + [C] * [eC_C] + [PDD] * [eC_{PDD}]$$

EJ Area Thresholds		
Minority %	>=	45%
Low-income %	>=	22%

Rank (ePDD)	County Rank (ePDD)	MPO	County	Municipality	Major Route			Minor Route			Crashes by Severity (2017-2020)						Weighted Score (ePDD)	Weighted Score (eC)	Is EJ Area?	Is Census Block Group Pop. < 1,000?	NJDOT SLD - Roadway Jurisdiction of Major Route	EJScreen - Census Block Group Population (Lowest Value)	EJScreen - Minority % (Highest Value)	EJScreen - Low-Income % (Highest Value)
					SRI	Milepost	Route Name	SRI	Milepost	Route Name	Total Crashes	K	A	B	C	O								
281	1	NJTPA	SUSSEX	HAMBURG BORO	00000517	42.59	ROUTE 517	19091005	0.00	Mulberry Street	1	0	1	0	0	0	56.92	5.25	YES	YES	County	660	23%	33%
1746	2	NJTPA	SUSSEX	FRANKFORD TWP	00000565	4.00	ROUTE 565	N/A	N/A	N/A	1	0	0	1	0	0	17.20	1.59	YES	YES	County	749	19%	22%
1746	2	NJTPA	SUSSEX	HOPATCONG BORO	19121133	0.60	JEFFERSON TR	19121134	0.00	Coolidge Trail	1	0	0	1	0	0	17.20	1.59	YES	NO	Municipal	1,020	54%	23%
1746	2	NJTPA	SUSSEX	NEWTON TOWN	19000616	0.40	SUSSEX COUNTY 616	19151041	0.00	Sussex Street	1	0	0	1	0	0	17.20	1.59	YES	YES	County	883	27%	32%
1746	2	NJTPA	SUSSEX	SPARTA TWP	00000181	34.05	ROUTE 517	00000181	5.82	Sparta Avenue	1	0	0	1	0	0	17.20	1.59	NO	YES	County	691	22%	18%
3438	6	NJTPA	SUSSEX	WANTAGE TWP	19000650	11.60	SUSSEX COUNTY 650	19241057	1.24	Shermans Ridge Road	1	0	0	0	1	0	10.85	1.00	YES	NO	County	1,808	13%	24%
3438	6	NJTPA	SUSSEX	BRANCHVILLE BORO	19000630	2.40	SUSSEX COUNTY 630	N/A	N/A	N/A	1	0	0	0	1	0	10.85	1.00	YES	YES	County	786	16%	24%
3438	6	NJTPA	SUSSEX	NEWTON TOWN	00000519	64.94	ROUTE 519	00000206	109.33	Water Street	1	0	0	0	1	0	10.85	1.00	YES	YES	County	868	43%	41%
3438	6	NJTPA	SUSSEX	GREEN TWP	00000519	59.24	ROUTE 519	19000608	0.00	Shotwell Road	1	0	0	0	1	0	10.85	1.00	NO	NO	County	1,415	13%	12%
3438	6	NJTPA	SUSSEX	NEWTON TOWN	19151034	0.00	NELSON ST	00000206	108.52	Main Street	1	0	0	0	1	0	10.85	1.00	YES	YES	Municipal	883	43%	32%
6116	11	NJTPA	SUSSEX	HOPATCONG BORO	19121066	0.30	TULSA TR	19121067	0.19	Windsor Avenue	2	0	0	0	0	2	2.00	0.00	YES	NO	Municipal	1,037	54%	23%