

New Jersey Network Screening Lists, 2023

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

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

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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	
			municipality	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	Is 'Y'	Y - Yes	
			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 bicyclist 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 (ePDO) Score Weights				
Crash Severity	KABCO Scale	2023 Dollars	ePDO 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	PDO	\$14,518	1.0000	-

$$ePDO_{TOTAL} = [K] * [ePDO_C] + [A] * [ePDO_A] + [B] * [ePDO_B] + [C] * [ePDO_C] + [PDO] * [ePDO_{PDO}]$$

$$eC_{TOTAL} = [K] * [eC_C] + [A] * [eC_A] + [B] * [eC_B] + [C] * [eC_C] + [PDO] * [0]$$

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

Rank (ePDO)	County Rank	MPO	County	Municipality	SRI	Mile Post - From	Mile Post - To	Corridor Length	Route	Crashes by Severity (2016-2020)						Weighted Score (ePDO)	Weighted Score (eC)	Is EJ Area?	Is Census Block Group Pop. < 1,000?	NJDOT SLD - Lane Count	NJDOT SLD - Roadway Jurisdiction	NJDOT SLD - Functional Class	ARD - Divided By	EIScreen - Census Block Group Population (Lowest Value)	EIScreen - Minority % (Highest Value)	EIScreen - Low-Income % (Highest Value)
										Total Crashes	K	A	B	C	O											
301	1	NITPA	SUSSEX	NEWTON TOWN	19151082	0.70	0.87	0.17	MADISON ST	2	0	1	1	0	0	74.11	6.8324	YES	YES	2	Municipal	Local	None	868	43%	41%
301	1	NITPA	SUSSEX	NEWTON TOWN	19151090	0.02	0.35	0.33	SPRING ST	2	0	1	1	0	0	74.11	6.8324	YES	YES	2	Municipal	Minor Arterial	None	868	43%	41%
465	3	NITPA	SUSSEX	SPARTA TWP	19181254	0.00	0.35	0.35	MARIA DR	1	0	1	0	0	0	56.92	5.247	NO	NO	2	Municipal	Local	None	3155	22%	10%
887	4	NITPA	SUSSEX	NEWTON TOWN	00000519	64.94	65.94	1.00	ROUTE 519	3	0	0	0	3	0	32.54	3	YES	YES	2	County	Major Collector	None	784	43%	41%
941	5	NITPA	SUSSEX	NEWTON TOWN	00000206	108.60	109.60	1.00	US 206	2	0	0	1	1	0	28.04	2.5854	YES	YES	2	N.J.D.O.T.	Principal Arterial - Other	None	868	43%	41%
941	5	NITPA	SUSSEX	HOPATCONG BORO	19000607	8.04	9.04	1.00	SUSSEX COUNTY 607	2	0	0	1	1	0	28.04	2.5854	YES	YES	2	County	Minor Arterial	None	778	54%	26%
1262	7	NITPA	SUSSEX	WANTAGE TWP	19241009	0.32	0.51	0.19	JANICE DR	1	0	0	1	0	0	17.20	1.5854	NO	NO	2	Municipal	Local	None	1723	10%	17%
1262	7	NITPA	SUSSEX	FRANKLIN BORO	00000023	31.10	32.10	1.00	NI 23	1	0	0	1	0	0	17.20	1.5854	YES	YES	1	N.J.D.O.T.	Principal Arterial - Other	None	470	23%	53%
1262	7	NITPA	SUSSEX	MONTAGUE TWP	19141018	0.00	1.00	1.00	HILL RD	1	0	0	1	0	0	17.20	1.5854	YES	YES	2	Municipal	Local	None	596	12%	50%
1262	7	NITPA	SUSSEX	VERNON TWP	19221101	4.93	5.93	1.00	CANISTEAR RD	1	0	0	1	0	0	17.20	1.5854	NO	YES	2	Municipal	Local	None	982	22%	9%
1262	7	NITPA	SUSSEX	ANDOVER TWP	19000669	0.43	1.43	1.00	SUSSEX COUNTY 669	1	0	0	1	0	0	17.20	1.5854	NO	YES	2	County	Major Collector	None	589	12%	15%
1262	7	NITPA	SUSSEX	HOPATCONG BORO	19000609	1.19	2.19	1.00	SUSSEX COUNTY 609	1	0	0	1	0	0	17.20	1.5854	NO	YES	2	County	Major Collector	None	729	20%	15%
1262	7	NITPA	SUSSEX	HOPATCONG BORO	19121112	0.30	0.53	0.23	BROWN TR	1	0	0	1	0	0	17.20	1.5854	YES	NO	2	Municipal	Local	None	1053	54%	23%
1262	7	NITPA	SUSSEX	FRANKFORD TWP	19051038	0.37	1.37	1.00	PLAINS RD	1	0	0	1	0	0	17.20	1.5854	NO	NO	2	Municipal	Local	None	1864	16%	19%
1262	7	NITPA	SUSSEX	OGDENSBURG BORO	00000517	38.27	39.27	1.00	ROUTE 517	1	0	0	1	0	0	17.20	1.5854	YES	YES	2	County	Minor Arterial	None	700	19%	29%
2044	16	NITPA	SUSSEX	NEWTON TOWN	19151019	0.00	1.00	1.00	RYERSON AVE	1	0	0	0	1	0	10.85	1	YES	YES	2	Municipal	Local	None	883	43%	32%
2044	16	NITPA	SUSSEX	HOPATCONG BORO	19121076	0.10	0.65	0.55	BROADWAY	1	0	0	0	1	0	10.85	1	YES	NO	2	Municipal	Local	None	1020	54%	23%
2044	16	NITPA	SUSSEX	HAMPTON TWP	19000622	1.90	2.90	1.00	SUSSEX COUNTY 622	1	0	0	0	1	0	10.85	1	NO	YES	2	County	Major Collector	None	535	13%	16%
2044	16	NITPA	SUSSEX	SUSSEX BORO	19000639	0.65	1.43	0.78	SUSSEX COUNTY 639	1	0	0	0	1	0	10.85	1	YES	YES	2	County	Minor Arterial	None	591	19%	37%
2044	16	NITPA	SUSSEX	WANTAGE TWP	19000650	12.86	13.34	0.48	SUSSEX COUNTY 650	1	0	0	0	1	0	10.85	1	YES	YES	2	County	Major Collector	None	591	13%	24%
2044	16	NITPA	SUSSEX	SPARTA TWP	19000605	7.89	8.51	0.62	SUSSEX COUNTY 605	1	0	0	0	1	0	10.85	1	NO	YES	2	County	Minor Arterial	None	510	22%	18%
2044	16	NITPA	SUSSEX	HOPATCONG BORO	19121092	0.06	1.06	1.00	LAKESIDE BLVD	1	0	0	0	1	0	10.85	1	YES	YES	2	Municipal	Local	None	894	54%	23%
2044	16	NITPA	SUSSEX	NEWTON TOWN	19151076	0.00	0.19	0.19	TOWNSEND ST	1	0	0	0	1	0	10.85	1	YES	YES	2	Municipal	Local	Painted Median	868	43%	41%
2856	24	NITPA	SUSSEX	SPARTA TWP	00000517	35.50	36.50	1.00	ROUTE 517	1	0	0	0	0	1	1.00	0	NO	NO	2	County	Minor Arterial	None	1143	20%	15%
2856	24	NITPA	SUSSEX	VERNON TWP	19221061	0.90	1.90	1.00	WINDING HILL RD	1	0	0	0	0	1	1.00	0	NO	NO	2	Municipal	Local	None	1443	22%	15%
2856	24	NITPA	SUSSEX	HAMPTON TWP	00000521	17.60	18.60	1.00	ROUTE 521	1	0	0	0	0	1	1.00	0	NO	YES	2	County	Major Collector	Painted Median	535	5%	14%
2856	24	NITPA	SUSSEX	SPARTA TWP	19000613	5.61	6.61	1.00	SUSSEX COUNTY 613	1	0	0	0	0	1	1.00	0	NO	YES	2	County	Major Collector	None	510	22%	18%