



# 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 (ePDO) Score Weights				
Crash Severity	KABCO Scale	2022 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	\$240,666	17.1973	1.5854
Possible Injury	C	\$157,482	10.8476	1.0000
Property Damage Only	O	\$14,518	1.0000	-

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

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

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

Rank (ePDO)	County Rank (ePDO)	MPO	County	Municipality	Major Route		Minor Route		Crashes by Severity (2017-2020)						Weighted Score (ePDO)	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
3438	75	NJTPA	SOMERSET	BERNARDS TWP	18000624	1.03	SOMERSET COUNTY 624	18000657	2.07	South Maple Avenue	1	0	0	0	1	0	10.85	1.00	YES	NO	County	1,829	18%	24%
3438	75	NJTPA	SOMERSET	NORTH PLAINFIELD BORO	00000022	45.60	US 22	N/A		N/A	1	0	0	0	1	0	10.85	1.00	YES	YES	N.J.D.O.T.	861	75%	42%
3438	75	NJTPA	SOMERSET	MONTGOMERY TWP	18131045	0.30	SLEEPY HOLLOW RD	N/A	N/A	N/A	1	0	0	0	1	0	10.85	1.00	NO	NO	Municipal	1,971	41%	1%
3438	75	NJTPA	SOMERSET	BERNARDS TWP	18000613	3.93	SOMERSET COUNTY 613	18021125	0.00	Orchard Place	1	0	0	0	1	0	10.85	1.00	YES	NO	County	1,720	20%	24%
3438	75	NJTPA	SOMERSET	BOUND BROOK BORO	18041559	0.12	VOSSELLER AVE	18041080	0.15	West Maple Avenue	1	0	0	0	1	0	10.85	1.00	YES	YES	Municipal	697	82%	30%
3438	75	NJTPA	SOMERSET	HILLSBOROUGH TWP	18101006	0.00	WARWICK RD	18101012	0.30	South Triangle Road	1	0	0	0	1	0	10.85	1.00	YES	YES	Municipal	810	48%	17%
3438	75	NJTPA	SOMERSET	GREEN BROOK TWP	18091074	0.08	SEBRING MILL RD	00000022	40.04	US 22	1	0	0	0	1	0	10.85	1.00	YES	YES	Municipal	866	76%	48%
3438	75	NJTPA	SOMERSET	FRANKLIN TWP	18000617	1.40	FRANKLIN TWP	18081007	0.00	Highland Avenue	1	0	0	0	1	0	10.85	1.00	YES	YES	County	822	95%	38%
3438	75	NJTPA	SOMERSET	FRANKLIN TWP	00000027	14.10	NI 27	12141146	0.12	Camner Avenue	1	0	0	0	1	0	10.85	1.00	YES	NO	N.J.D.O.T.	1,300	96%	84%
3438	75	NJTPA	SOMERSET	GREEN BROOK TWP	18000651	0.20	SOMERSET COUNTY 651	18000634	1.47	Greenbrook Road	1	0	0	0	1	0	10.85	1.00	YES	YES	County	866	76%	48%
3438	75	NJTPA	SOMERSET	NORTH PLAINFIELD BORO	18141042	0.00	COLUMBIA AVE	00000022	43.95	Blue Star Drive	1	0	0	0	1	0	10.85	1.00	YES	YES	Municipal	984	86%	45%
3438	75	NJTPA	SOMERSET	NORTH PLAINFIELD BORO	00000531	9.64	ROUTE 531	18141100	0.25	Coddington Avenue	1	0	0	0	1	0	10.85	1.00	YES	YES	County	861	82%	47%
3438	75	NJTPA	SOMERSET	NORTH PLAINFIELD BORO	18000636	0.27	SOMERSET COUNTY 636	N/A		N/A	1	0	0	0	1	0	10.85	1.00	YES	YES	County	856	99%	45%
3438	75	NJTPA	SOMERSET	FRANKLIN TWP	18000617	1.86	SOMERSET COUNTY 617	00000527	48.15	Easton Avenue	1	0	0	0	1	0	10.85	1.00	YES	YES	County	822	95%	54%
3438	75	NJTPA	SOMERSET	NORTH PLAINFIELD BORO	18000636	1.26	SOMERSET COUNTY 636	N/A		N/A	1	0	0	0	1	0	10.85	1.00	YES	YES	County	984	86%	45%
3438	75	NJTPA	SOMERSET	NORTH PLAINFIELD BORO	00000531	9.00	ROUTE 531	18141136	0.96	Chatham Street	1	0	0	0	1	0	10.85	1.00	YES	NO	County	1,122	100%	74%
3438	75	NJTPA	SOMERSET	NORTH PLAINFIELD BORO	18000636	1.48	SOMERSET COUNTY 636	18141052	0.00	Jefferson Avenue	1	0	0	0	1	0	10.85	1.00	YES	YES	County	984	82%	41%
3438	75	NJTPA	SOMERSET	BRIDGEWATER TWP	18061057	0.20	STAFFLER RD	N/A		N/A	1	0	0	0	1	0	10.85	1.00	NO	NO	Municipal	1,163	38%	5%
3438	75	NJTPA	SOMERSET	NORTH PLAINFIELD BORO	00000531	8.91	ROUTE 531	18141078	0.00	Warren Street	1	0	0	0	1	0	10.85	1.00	YES	NO	County	1,122	100%	74%
3438	75	NJTPA	SOMERSET	BRIDGEWATER TWP	00000525	0.72	ROUTE 525	N/A		N/A	1	0	0	0	1	0	10.85	1.00	YES	NO	County	1,832	72%	15%
3438	75	NJTPA	SOMERSET	HILLSBOROUGH TWP	00000514	13.21	ROUTE 514	00000206	65.42	Disabled American Veterans Highway	1	0	0	0	1	0	10.85	1.00	NO	YES	County	486	44%	19%
3438	75	NJTPA	SOMERSET	NORTH PLAINFIELD BORO	00000512	1.06	ROUTE 531 Z	18141075	0.00	Lincoln Street	1	0	0	0	1	0	10.85	1.00	YES	NO	Municipal	1,122	100%	74%
3438	75	NJTPA	SOMERSET	BRIDGEWATER TWP	00000533	30.59	ROUTE 533	18000675	0.61	Polhemus Road	1	0	0	0	1	0	10.85	1.00	YES	NO	County	1,503	60%	11%
3438	75	NJTPA	SOMERSET	BRIDGEWATER TWP	00000533	29.89	ROUTE 533	18000612	1.34	East Main Street	1	0	0	0	1	0	10.85	1.00	YES	NO	County	1,230	64%	12%
3438	75	NJTPA	SOMERSET	BRIDGEWATER TWP	18000639	0.44	SOMERSET COUNTY 639	18000673	0.00	Vogt Drive	1	0	0	0	1	0	10.85	1.00	YES	NO	County	1,382	50%	35%
3438	75	NJTPA	SOMERSET	FRANKLIN TWP	18081646	0.22	DOUGLAS AVE	18081311	0.29	Riv Street	1	0	0	0	1	0	10.85	1.00	YES	NO	Municipal	1,300	96%	84%
3438	75	NJTPA	SOMERSET	BOUND BROOK BORO	18041079	0.00	HAMILTON ST	00000527	53.48	East Main Street	1	0	0	0	1	0	10.85	1.00	YES	YES	Municipal	602	88%	43%
6145	137	NJTPA	SOMERSET	NORTH PLAINFIELD BORO	00000512	0.71	ROUTE 531 Z	18141094	0.00	Summit Avenue	1	0	0	0	1	0	1.00	0.00	YES	NO	Municipal	1,209	82%	47%
6145	137	NJTPA	SOMERSET	NORTH PLAINFIELD BORO	00000512	1.12	ROUTE 531 Z	18141077	0.08	Somerset Place	1	0	0	0	0	1	1.00	0.00	YES	NO	Municipal	1,122	100%	74%
6145	137	NJTPA	SOMERSET	BERNARDSVILLE BORO	18031029	0.40	MULLENS LN	18031030	0.00	Bell Terr	1	0	0	0	0	1	1.00	0.00	NO	YES	Municipal	779	28%	9%
6145	137	NJTPA	SOMERSET	BOUND BROOK BORO	00000533	32.67	ROUTE 533	18000654	0.00	East High Street	1	0	0	0	0	1	1.00	0.00	YES	NO	County	602	88%	43%
6145	137	NJTPA	SOMERSET	BRIDGEWATER TWP	00000533	29.80	ROUTE 533	N/A		N/A	1	0	0	0	0	1	1.00	0.00	YES	YES	County	1,503	64%	12%
6145	137	NJTPA	SOMERSET	SOMERVILLE BORO	18000643	0.29	SOMERSET COUNTY 643	18181052	1.07	Altamont Place	1	0	0	0	1	0	1.00	0.00	YES	YES	County	419	75%	35%
6145	137	NJTPA	SOMERSET	RARITAN BORO	18000626	0.00	SOMERSET COUNTY 626	00000567	8.95	Somerset Street	1	0	0	0	0	1	1.00	0.00	YES	NO	County	1,524	48%	28%
6145	137	NJTPA	SOMERSET	HILLSBOROUGH TWP	18101019	1.20	AUTEN RD	18101372	0.70	Triangle Road	1	0	0	0	0	1	1.00	0.00	YES	NO	Municipal	1,516	46%	17%
6145	137	NJTPA	SOMERSET	BERNARDSVILLE BORO	00000525	11.35	ROUTE 525	N/A		N/A	1	0	0	0	0	1	1.00	0.00	NO	NO	County	1,720	28%	9%
6145	137	NJTPA	SOMERSET	MANVILLE BORO	18111137	0.00	S 13TH AVE	18101363	1.34	West Camplain Road	1	0	0	0	0	1	1.00	0.00	YES	YES	Municipal	814	63%	57%
6145	137	NJTPA	SOMERSET	NORTH PLAINFIELD BORO	18000636	1.17	SOMERSET COUNTY 636	18141042	0.24	Columbia Avenue	1	0	0	0	0	1	1.00	0.00	YES	YES	County	984	86%	45%