

New Jersey Network Screening Lists, 2023

NJTPA - Pedestrian Corridor 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
		crash_type	Crash Type	= '13'	13 - Pedestrian
		ped_involved	Pedestrian Involved	> 0	At least one pedestrian involved
		cyclist_involved	Cyclist Involved	= 0 OR IS NULL	No bicyclists 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	-

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

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

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	EJScreen - Census Block Group Population (Lowest Value)	EJScreen - Minority % (Highest Value)	EJScreen - Low-Income % (Highest Value)	
										Total Crashes	K	A	B	C												O
1655	78	NJTPA	SOMERSET	BRANCHBURG TWP	18051008	0.10	0.31	0.21	HENRY WAY	1	0	0	0	1	0	10.848	1	NO	NO	2	Municipal	Local	None	1,264	18%	9%
1655	78	NJTPA	SOMERSET	MANVILLE BORO	18111087	0.00	0.12	0.12	N GREASHEIMER ST	1	0	0	0	1	0	10.848	1	YES	YES	2	Municipal	Local	None	814	54%	38%
1655	78	NJTPA	SOMERSET	NORTH PLAINFIELD BORO	18141038	0.20	0.48	0.28	HARRISON AVE	1	0	0	0	1	0	10.848	1	YES	YES	2	Municipal	Local	None	984	100%	74%
1655	78	NJTPA	SOMERSET	NORTH PLAINFIELD BORO	18141071	0.49	0.57	0.08	MYRTLE AVE	1	0	0	0	1	0	10.848	1	YES	YES	2	Municipal	Local	None	984	100%	74%
1655	78	NJTPA	SOMERSET	WARREN TWP	18201078	1.10	1.40	0.30	OLD STERLING RD	1	0	0	0	1	0	10.848	1	NO	NO	2	Municipal	Local	None	2,334	28%	9%
1655	78	NJTPA	SOMERSET	BEDMINSTER TWP	18006020	2.20	3.20	1.00	SOMERSET COUNTY 620	1	0	0	0	1	0	10.848	1	NO	NO	2	County	Major Collector	None	1,077	23%	13%
2413	102	NJTPA	SOMERSET	HILLSBOROUGH TWP	0000533	24.88	25.88	1.00	ROUTE 533	1	0	0	0	0	1	1.000	0	YES	YES	2	County	Minor Arterial	None	498	47%	14%
2413	102	NJTPA	SOMERSET	PEAPACK-GLADSTONE BORO	18000671	0.01	0.83	0.82	SOMERSET COUNTY 671	1	0	0	0	0	1	1.000	0	NO	YES	2	County	Minor Collector	None	714	26%	13%