

New Jersey Network Screening Lists, 2023

NJTPA - Intersection List (2018-2020 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 2018 AND 2020	Years 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

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	\$249,666	17.1973	1.5854
Possible Injury	C	\$157,482	10.8476	1.0000
Property Damage Only	O	\$14,518	1.0000	-

$$ePDO_{TOTAL} = [K]*[ePDO_k] + [A]*[ePDO_a] + [B]*[ePDO_b] + [C]*[ePDO_c] + [PDO]*[ePDO_{PDO}]$$

$$eC_{TOTAL} = [K]*[eC_k] + [A]*[eC_a] + [B]*[eC_b] + [C]*[eC_c] + [PDO]*[0]$$

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

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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Rank (ePDO)	County Rank (ePDO)	MPO	County	Municipality	Major Route		Minor Route		Crashes by Severity (2017-2020)						Weighted Score (ePDO)	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
49	1	NJTPA	HUNTERDON	READINGTON TWP	0000523	15.81	ROUTE 523	10000629	4.02	Pleasant Run Road	20	0	2	1	7	10	216.97	YES	NO	County	1,846	14%	24%
512	2	NJTPA	HUNTERDON	FLEMINGTON BORO	10091005	0.00	CHURCH ST	00000031	22.21	NJ 31	8	0	1	1	2	4	99.81	YES	NO	Municipal	1,305	48%	35%
564	3	NJTPA	HUNTERDON	FRANKLIN TWP	00000513	10.89	ROUTE 513	10000617	8.72	Sidney Road	8	0	1	2	0	5	96.31	NO	YES	County	701	39%	20%
653	4	NJTPA	HUNTERDON	RARITAN TWP	00000523	11.72	ROUTE 523	10211110	0.00	Lafayette Court	8	0	1	1	1	5	89.96	YES	NO	County	1,846	6%	25%
929	5	NJTPA	HUNTERDON	RARITAN TWP	10000650	0.30	HUNTERDON COUNTY 650	10211288	0.00	Royal Road	15	0	0	2	3	10	76.94	YES	NO	County	1,371	48%	35%
1125	6	NJTPA	HUNTERDON	RARITAN TWP	00000523	8.90	ROUTE 523	10211003	0.93	Dayton Road	14	0	0	1	4	9	69.59	NO	NO	County	1,305	26%	15%
1291	7	NJTPA	HUNTERDON	RARITAN TWP	10000650	1.18	HUNTERDON COUNTY 650	10091224	1.66	Case Boulevard	8	0	0	1	4	3	63.59	NO	NO	County	1,371	19%	14%
1404	8	NJTPA	HUNTERDON	READINGTON TWP	00000523	20.73	ROUTE 523	10221084	0.00	Central Avenue	5	0	1	0	0	4	60.92	NO	YES	County	411	18%	15%
1697	9	NJTPA	HUNTERDON	FRANKLIN TWP	10000617	7.43	HUNTERDON COUNTY 617	10101007	0.90	Lower Landsdown Road	7	0	0	1	3	3	52.74	NO	NO	County	1,759	5%	5%
2035	10	NJTPA	HUNTERDON	RARITAN TWP	00000523	11.70	ROUTE 523	10211110	0.00	Lafayette Court	11	0	0	1	2	8	46.89	YES	NO	County	1,846	6%	25%
2271	11	NJTPA	HUNTERDON	RARITAN TWP	00000523	11.74	ROUTE 523	10211110	0.00	Lafayette Court	7	0	0	1	2	4	42.89	YES	NO	County	1,846	6%	25%
2317	12	NJTPA	HUNTERDON	RARITAN TWP	10000612	1.31	HUNTERDON COUNTY 612	00000031	24.40	NJ 31	13	0	0	0	3	10	42.54	YES	NO	County	1,988	13%	25%
2333	13	NJTPA	HUNTERDON	UNION TWP	00000513	10.27	ROUTE 513	10251020	1.76	Race Street	10	0	0	2	0	8	42.39	NO	NO	County	1,264	39%	20%
2341	14	NJTPA	HUNTERDON	RARITAN TWP	00000523	12.09	ROUTE 523	10211106	0.84	Minnekaoning Road	6	0	0	1	2	3	41.89	YES	NO	County	1,846	14%	25%
2402	15	NJTPA	HUNTERDON	FLEMINGTON BORO	10091224	0.17	REAVILLE AVE	00000202	11.22	US 202	12	0	0	0	3	9	41.54	YES	NO	Municipal	1,305	48%	35%
2612	16	NJTPA	HUNTERDON	RARITAN TWP	00000523	10.90	ROUTE 523	00000031	23.43	NJ 31	9	0	0	0	3	6	38.54	YES	NO	County	1,321	74%	59%
3068	17	NJTPA	HUNTERDON	FLEMINGTON BORO	10091006	0.00	MAIN ST	00000112_W	11.44	N/A	8	0	0	1	1	6	34.04	YES	NO	Municipal	1,305	48%	35%
3131	18	NJTPA	HUNTERDON	UNION TWP	00000513	11.45	ROUTE 513	00000173	12.98	Old Highway 22	7	0	0	1	1	5	33.04	NO	YES	County	701	39%	20%
3131	18	NJTPA	HUNTERDON	FRANKLIN TWP	00000513	7.43	ROUTE 513	00000579	27.78	Ringoes-Croton Road	7	0	0	1	1	5	33.04	NO	NO	County	1,264	11%	8%
3723	20	NJTPA	HUNTERDON	RARITAN TWP	10000650	0.40	HUNTERDON COUNTY 650	00000202	11.91	US 202	7	0	0	0	2	5	26.70	YES	NO	County	1,371	48%	35%
3834	21	NJTPA	HUNTERDON	READINGTON TWP	00000523	15.67	ROUTE 523	10221133	0.00	Hilltop Lane	10	0	0	1	0	9	26.20	YES	NO	County	1,846	14%	24%
3834	21	NJTPA	HUNTERDON	WEST AMWELL TWP	00000579	12.05	ROUTE 579	00000031	13.97	NJ 31	10	0	0	1	0	9	26.20	NO	NO	County	1,263	8%	10%
4007	23	NJTPA	HUNTERDON	READINGTON TWP	00000523	19.86	ROUTE 523	10221045	0.00	Railroad Avenue	5	0	0	0	2	3	24.70	NO	YES	County	411	18%	15%
4300	24	NJTPA	HUNTERDON	FRANKLIN TWP	00000579	24.75	ROUTE 579	10211062	2.63	Old Franklin School Road	6	0	0	1	0	5	22.20	NO	NO	County	1,589	5%	8%
4395	25	NJTPA	HUNTERDON	HOLLAND TWP	00000519	19.84	ROUTE 519	10000614	0.00	Spring Mills Road	5	0	0	1	0	4	21.20	NO	NO	County	1,113	5%	14%
4627	26	NJTPA	HUNTERDON	CLINTON TOWN	00000513	12.13	ROUTE 513	00000173	13.70	Old Highway 22	8	0	0	0	1	7	17.85	NO	NO	Municipal	1,110	26%	15%
5037	27	NJTPA	HUNTERDON	RARITAN TWP	10211037	0.00	CASE BLVD	00000202	12.90	US 202	5	0	0	0	1	4	14.85	YES	NO	Municipal	1,371	19%	25%
5405	28	NJTPA	HUNTERDON	FRANKLIN TWP	00000513	9.36	ROUTE 513	10101043	0.97	Hogback Road	8	0	0	0	0	8	8.00	NO	NO	County	1,264	11%	6%