

New Jersey Network Screening Lists, 2023

NJTPA - High Risk Rural Roads (2018-2020 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 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 ('02', '05', '06', '07', '08')	02 - State Highway; 05 - County; 06 - County Authority; 07 - Municipal; 08 - Municipal Authority Park or Institution
		intersection	At Intersection	Is "Y"	Y - Yes
SLD Functional Class Table		f_system_code	Functional Class	IN ('05', '06', '07')	5 - Major Collector; 6 - Minor Collector; 7 - Local
SLD Is Urban Table		is_urban	Is Urban	Is "Y"	Y - Yes
SLD Jurisdiction Table		type_code	Jurisdiction Type	IN (2, 3)	2 - County; 3 - Municipality

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)
Fatal	K	\$14,277,743	56.9173
Incapacitating	A	\$826,309	56.9173
Non-incapacitating	B	\$249,666	17.1973
Possible Injury	C	\$157,482	10.8476
Property Damage Only	O	\$14,518	1.0000

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

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

Peer Group Summary		
Peer Group	Average Severe Crashes per Mile	No. of "Over" Locations
Major Collector, County Jurisdiction	0.000	0
Major Collector, Municipality Jurisdiction	0.250	1
Major Collector, NJDOT Jurisdiction	N/A	N/A
Minor Collector, County Jurisdiction	0.000	0
Minor Collector, Municipal Jurisdiction	0.000	0
Minor Collector, NJDOT Jurisdiction	N/A	N/A
Local, County Jurisdiction	0.000	0
Local, Municipality Jurisdiction	0.000	0
Local, NJDOT Jurisdiction	N/A	N/A

Rank (ePDO)	County Rank (Weighted Score)	Rank (Weighted Score per Mile)	County Rank (Weighted Score per Mile)	MPO	County	Municipality	Route Name	Peer Group	SRI	Mile Post - From	Mile Post - To	Length	Crashes by Severity (2018-2020)					Severe Crashes per Mile	Severe Crashes per Mile (Peer Group + MPO Average)	Under or Over Average	Weighted Score (ePDO)	Weighted Score (ePDO) per Mile	Is EJ Area?	Is Census Block Group Pop. < 1,000?	EJScreen - Census Block Group Population (Lowest Value)	EJScreen - Minority % (Highest Value)	EJScreen - Low-Income % (Highest Value)	
													Total Crashes	K	A	B	C											O
46	1	2	1	NJTPA	MIDDLESEX	CRANBURY TWP	ROUTE 539	Major Collector, County Jurisdiction	00000539	53.19	53.53	0.34	47	0	0	1	4	42	0.000	0.140	Under	102.59	301.73	YES	YES	817	71%	24%
49	2	109	5	NJTPA	MIDDLESEX	MONROE TWP	FEDERAL RD	Major Collector, Municipality Jurisdiction	12131011	0.36	4.42	4.06	13	0	1	1	1	10	0.250	0.020	Over	94.96	23.39	YES	YES	748	50%	13%
87	3	106	4	NJTPA	MIDDLESEX	MONROE TWP	GRAVEL HILL RD	Local, Municipality Jurisdiction	12131028	0.00	2.40	2.40	15	0	0	2	1	12	0.000	0.040	Under	57.24	23.85	YES	YES	916	50%	22%
105	4	34	2	NJTPA	MIDDLESEX	MONROE TWP	WYCKOFFS MILLS RD	Minor Collector, Municipality Jurisdiction	12021023	0.00	0.81	0.81	9	0	0	2	0	7	0.000	0.030	Under	41.39	51.10	YES	YES	984	71%	24%
122	5	74	3	NJTPA	MIDDLESEX	CRANBURY TWP	WYCKOFFS MILLS-APPLEGARTH RD	Minor Collector, Municipality Jurisdiction	12021022	0.00	1.17	1.17	3	0	0	2	0	1	0.000	0.030	Under	35.39	30.25	YES	YES	984	71%	24%
185	6	214	8	NJTPA	MIDDLESEX	CRANBURY TWP	BRICKYARD RD	Local, Municipality Jurisdiction	12021021	0.00	1.71	1.71	3	0	0	1	0	2	0.000	0.040	Under	19.20	11.23	YES	YES	817	71%	24%
185	6	132	6	NJTPA	MIDDLESEX	CRANBURY TWP	HIGHTOWN CRANBURY STATIO	Local, Municipality Jurisdiction	12021025	0.75	1.73	0.98	3	0	0	1	0	2	0.000	0.040	Under	19.20	19.59	YES	NO	1,610	71%	26%
247	8	135	7	NJTPA	MIDDLESEX	MONROE TWP	UNION VALLEY RD	Local, Municipality Jurisdiction	12131020	0.00	0.69	0.69	3	0	0	0	1	2	0.000	0.040	Under	12.85	18.62	YES	YES	821	50%	26%
337	9	385	9	NJTPA	MIDDLESEX	MONROE TWP	MILLS RD	Local, Municipality Jurisdiction	12131027	0.00	0.93	0.93	3	0	0	0	0	3	0.000	0.040	Under	3.00	3.23	YES	NO	2,808	50%	7%
373	10	510	12	NJTPA	MIDDLESEX	MONROE TWP	GRAVEL HILL SPOTSMILL RD	Local, Municipality Jurisdiction	12131032	0.77	2.15	1.38	2	0	0	0	0	2	0.000	0.040	Under	2.00	1.45	YES	NO	1,301	50%	5%
373	10	493	11	NJTPA	MIDDLESEX	MONROE TWP	MONROE BLVD	Local, Municipality Jurisdiction	12131031	0.00	1.28	1.28	2	0	0	0	0	2	0.000	0.040	Under	2.00	1.56	YES	YES	748	50%	5%
458	12	400	10	NJTPA	MIDDLESEX	MONROE TWP	SUNNY CT	Local, Municipality Jurisdiction	12131544	0.00	0.34	0.34	1	0	0	0	0	1	0.000	0.040	Under	1.00	2.94	NO	NO	1,301	13%	5%