

New Jersey Network Screening Lists, 2023

NJTPA - High Risk Rural Roads (2018-2020 Crashes)

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

Print Date: Friday, November 3, 2023
Delivery Date: August 10, 2023

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
SLD Functional Class Table		mun_cty_cd	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
SLD Is Urban Table		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
SLD Jurisdiction Table		intersection	At Intersection	IN ('Y')	Y - Yes
		f_system_code	Functional Class	IN ('05', '06', '07')	5 - Major Collector; 6 - Minor Collector; 7 - Local
		is_urban	Is Urban	IN ('Y')	Y - Yes
		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. The New Jersey Department of Transportation, its officers, employees or agents shall not be liable for damages or losses of any kind arising out of or in connection with the use or performance of information, including but not limited to, damages or losses caused by reliance upon the accuracy or timeliness of any such information, or damages incurred from the viewing, distributing, or copying of these materials. The materials and information provided herein are provided "as is." No warranty of any kind, implied, expressed, or statutory, including but not limited to the warranties of non-infringement of third party rights, title, merchantability, fitness for a particular purpose, and freedom from computer virus, is given with respect to the contents of this Network Screening List or its hyperlinks to other Internet resources.

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

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

$ePDO_{TOTAL} = [K]*[ePDO_A]*[ePDO_B]*[ePDO_C]*[ePDO_O]$

Peer Group Summary		
Peer Group	Average Severe Crashes per Mile	No. of "Over" Locations
Major Collector, County Jurisdiction	0.092	18
Major Collector, Municipality Jurisdiction	0.021	1
Major Collector, NJDOT Jurisdiction	N/A	N/A
Minor Collector, County Jurisdiction	0.043	4
Minor Collector, Municipality Jurisdiction	0.000	0
Minor Collector, NJDOT Jurisdiction	N/A	N/A
Local, County Jurisdiction	0.138	19
Local, Municipality Jurisdiction	0.041	21
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?	EIScreen - Census Block Group Population (Lowest Value)	EIScreen - Minority % (Highest Value)	EIScreen - Low-Income % (Highest Value)		
													Total Crashes	K	A	B	C											O	
1	1	53	6	NJTPA	OCEAN	LITTLE EGGS HARBOR TWP	ROUTE 539	Major Collector, County Jurisdiction	00000539	15.97	20.85	17.28	92	3	1	12	15	61	0.230	0.140	Over	657.75	38.06	YES	NO	418	17%	39%	
2	1	33	5	NJTPA	HUNTERDON	CALIFON BORO	ROUTE 513	Major Collector, County Jurisdiction	00000513	3.57	25.85	9.88	122	1	2	13	4	102	0.300	0.140	Over	539.71	54.63	YES	NO	1,139	56%	27%	
3	2	32	5	NJTPA	OCEAN	JACKSON TWP	ROUTE 539	Major Collector, County Jurisdiction	00000539	25.36	33.71	8.35	110	1	0	10	14	85	0.120	0.140	Under	465.76	55.78	YES	YES	72	29%	30%	
4	1	24	5	NJTPA	MONMOUTH	UPPER FREEHOLD TWP	ROUTE 517	Major Collector, County Jurisdiction	00000517	37.71	43.83	6.12	86	0	1	14	6	65	0.160	0.140	Over	427.77	69.00	YES	YES	1,893	48%	14%	
5	1	31	3	NJTPA	MORRIS	WASHINGTON TWP	ROUTE 517	Major Collector, County Jurisdiction	00000517	0.00	6.16	6.16	97	2	0	6	4	85	0.320	0.140	Over	345.41	56.07	YES	YES	1,260	13%	17%	
6	1	157	31	NJTPA	SUSSEX	NEWTON TOWN	ROUTE 519	Major Collector, County Jurisdiction	00000519	65.90	83.70	17.80	47	2	0	3	8	34	0.110	0.140	Under	286.21	16.08	YES	YES	535	31%	41%	
7	3	12	2	NJTPA	OCEAN	JACKSON TWP	ROUTE 527	Major Collector, County Jurisdiction	00000527	19.59	22.43	2.84	50	1	0	7	5	37	0.350	0.140	Over	268.54	94.56	NO	NO	1,539	24%	20%	
8	2	59	14	NJTPA	MONMOUTH	MILLSTONE TWP	ROUTE 524	Major Collector, County Jurisdiction	00000524	7.26	14.74	7.48	61	0	1	4	8	48	0.130	0.140	Under	260.49	34.82	NO	NO	1,291	25%	14%	
9	2	51	8	NJTPA	SUSSEX	FREDON TWP	SUSSEX COUNTY 611	Minor Collector, County Jurisdiction	19000611	0.00	6.60	6.60	25	1	1	6	2	15	0.300	0.060	Over	253.71	38.44	NO	YES	897	22%	15%	
10	3	18	3	NJTPA	MONMOUTH	MILLSTONE TWP	MONMOUTH COUNTY 1	Minor Collector, County Jurisdiction	13000001	2.40	5.48	3.08	20	1	2	1	3	13	0.970	0.060	Over	233.49	75.81	NO	NO	1,830	19%	16%	
11	2	120	24	NJTPA	HUNTERDON	TEWKSBURY TWP	ROUTE 512	Major Collector, County Jurisdiction	00000512	0.00	10.13	10.13	54	0	0	8	4	42	0.000	0.140	Under	222.97	22.01	YES	YES	714	19%	13%	
12	3	130	24	NJTPA	SUSSEX	FREDON TWP	ROUTE 517	Major Collector, County Jurisdiction	00000517	48.41	59.24	10.83	52	0	2	2	2	46	0.180	0.140	Over	215.92	14.92	YES	YES	753	17%	18%	
13	1	35	6	NJTPA	WARREN	WHITE TWP	WARREN COUNTY 623	Major Collector, County Jurisdiction	21000623	2.70	6.53	3.83	35	0	1	4	4	26	0.260	0.140	Over	195.10	50.94	YES	YES	753	18%	46%	
14	2	72	15	NJTPA	WARREN	WASHINGTON TWP	WARREN COUNTY 632	Major Collector, County Jurisdiction	21000632	0.27	6.33	6.06	47	0	0	5	6	36	0.000	0.140	Under	187.07	30.87	YES	YES	729	9%	23%	
15	4	19	4	NJTPA	MONMOUTH	UPPER FREEHOLD TWP	SHARON STATION RD	Local, Municipality Jurisdiction	13511019	0.00	2.49	2.49	30	0	1	5	2	22	0.400	0.040	Over	186.60	74.94	NO	NO	1,291	25%	14%	
16	5	26	7	NJTPA	MONMOUTH	MANALAPAN TWP	ROUTE 527 ALTERNATE	Major Collector, County Jurisdiction	00000527A	2.89	5.74	2.85	38	0	1	2	2	29	0.350	0.040	Over	185.40	65.05	YES	YES	748	30%	29%	
17	3	83	17	NJTPA	HUNTERDON	TEWKSBURY TWP	ROUTE 523	Major Collector, County Jurisdiction	00000523	22.84	29.16	6.32	50	0	0	5	5	40	0.000	0.140	Under	180.22	28.52	YES	YES	411	12%	13%	
18	6	43	10	NJTPA	MONMOUTH	MILLSTONE TWP	ROUTE 539	Major Collector, County Jurisdiction	00000539	45.50	49.42	3.92	31	0	1	5	1	24	0.260	0.140	Over	177.75	45.34	YES	NO	1,291	45%	13%	
19	7	130	1	NJTPA	MONMOUTH	FREHOLD TWP	MONMOUTH COUNTY 23	Major Collector, County Jurisdiction	13000023	0.15	1.45	1.30	28	0	2	2	2	46	0.770	0.140	Over	171.90	132.23	NO	NO	1,721	12%	18%	
20	3	64	13	NJTPA	WARREN	FREIHLIGHYSEN TWP	WARREN COUNTY 612	Major Collector, County Jurisdiction	21000612	0.00	4.92	4.92	37	1	1	1	0	34	0.410	0.140	Over	165.03	33.54	YES	YES	897	21%	16%	
21	4	169	36	NJTPA	SUSSEX	WANTAGE TWP	SUSSEX COUNTY 650	Major Collector, County Jurisdiction	19000650	0.00	11.14	11.14	27	1	0	5	0	21	0.090	0.140	Under	163.90	14.71	NO	YES	596	13%	50%	
22	4	50	10	NJTPA	WARREN	POHATCONG TWP	WARREN COUNTY 627	Major Collector, County Jurisdiction	21000627	0.00	4.11	4.11	32	0	0	5	5	22	0.000	0.140	Under	162.22	39.47	NO	NO	730	10%	14%	
23	8	118	20	NJTPA	MONMOUTH	UPPER FREEHOLD TWP	ROUTE 526	Major Collector, County Jurisdiction	00000526	11.40	18.62	7.22	46	0	0	4	5	37	0.000	0.140	Under	160.03	22.16	NO	NO	1,291	25%	14%	
24	5	44	8	NJTPA	WARREN	MANSFIELD TWP	WARREN COUNTY 628	Minor Collector, County Jurisdiction	21000628	3.00	6.48	3.48	31	0	0	6	3	22	0.000	0.060	Over	157.73	45.32	YES	YES	666	24%	25%	
25	4	21	4	NJTPA	OCEAN	MANCHESTER TWP	BECKERVILLE RD	Local, County Jurisdiction	15180002	0.00	2.06	2.06	12	1	1	1	1	8	0.970	0.120	Over	149.88	72.76	YES	NO	3,938	24%	30%	
26	6	52	11	NJTPA	WARREN	BLAIRSTOWN TWP	WARREN COUNTY 616	Major Collector, County Jurisdiction	21000616	5.70	3.92	3.92	38	0	2	0	4	30	0.510	0.140	Over	149.53	115.13	NO	NO	1,157	14%	18%	
27	7	76	16	NJTPA	WARREN	HOPE TWP	ROUTE 521	Major Collector, County Jurisdiction	00000521	1.14	6.09	4.95	31	0	1	1	0	34	0.410	0.140	Over	148.85	30.07	YES	NO	753	13%	16%	
28	9	48	12	NJTPA	MONMOUTH	ROOSEVELT BORO	ROUTE 571	Major Collector, County Jurisdiction	00000571	27.01	30.44	3.43	23	0	0	5	4	14	0.000	0.140	Under	143.38	41.80	YES	YES	854	20%	9%	
29	1	10	1	NJTPA	SOMERSET	BEDMINSTER TWP	SOMERSET COUNTY 665	Major Collector, County Jurisdiction	18000665	2.95	4.15	1.20	25	0	1	2	3	19	0.830	0.140	Over	142.85	119.05	NO	YES	411	12%	13%	
30	2	55	3	NJTPA	SOMERSET	BEDMINSTER TWP	SOMERSET COUNTY 620	Major Collector, County Jurisdiction	18000620	0.00	3.62	3.62	29	0	0	3	6	20	0.000	0.140	Under	136.68	37.76	NO	YES	411	41%	13%	
31	8	84	19	NJTPA	WARREN	LIBERTY TWP	WARREN COUNTY 611	Major Collector, County Jurisdiction	21000611	0.00	4.77	4.77	28	0	1	2	2	23	0.210	0.140	Over	136.01	28.51	YES	YES	791	22%	10%	
32	9	39	7	NJTPA	WARREN	POHATCONG TWP	RIVER RD	Local, Municipality Jurisdiction	2101049	0.00	2.72	2.72	4	0	2	1	0	1	740	0.040	0.040	Over	132.03	48.54	NO	YES	730	5%	8%
33	4	124	25	NJTPA	HUNTERDON	STOKESBORO TWP	ROUTE 513	Major Collector, County Jurisdiction	00000513	0.00	3.93	3.93	37	0	4	3	30	0.140	0.140	Under	131.33	61.1	YES	YES	611	21%	21%		
34	10	9	2	NJTPA	MONMOUTH	MILLSTONE TWP	ROUTE 524	Major Collector, County Jurisdiction	00000524	14.81	15.84	1.03	25	0	0	4	4	17	0.000	0.140	Under	129.18	125.42	NO	NO	2,398	20%	16%	
35	5	62	7	NJTPA	OCEAN	BERKELEY TWP	OCEAN COUNTY 618	Local, County Jurisdiction	15000618	0.00	3.78	3.78	14	1	0	3	1	9	0.260	0.120	Over	128.36	33.96	YES	YES	418	2%	26%	
36	5	138	29	NJTPA	HUNTERDON	FRANKLIN TWP	ROUTE 579	Major Collector, County Jurisdiction	00000579	20.65	27.78	7.13	40	0	0	3	4	33	0.000	0.140	Under	127.98	17.95	NO	NO	1,264	26%	14%	
37	5	89	12	NJTPA	SUSSEX	ANDOVER TWP	SUSSEX COUNTY 603	Major Collector, County Jurisdiction	19000603	0.00	4.59	4.59	27	0	0	3	5	19	0.000	0.140	Under	124.83	27.20	NO	NO	942	22%	15%	
38	11	42	9	NJTPA	MONMOUTH	UPPER FREEHOLD TWP	HERBERT RD	Local, Municipality Jurisdiction	13511021	0.00	2.63	2.63	18	0	1	1	3	13	0.380	0.040	Over	119.66	45.50	YES	NO	1,291	45%	13%	
39	6	168	36	NJTPA	HUNTERDON	HOLLAND TWP	HUNTERDON COUNTY 614	Major Collector, County Jurisdiction	10000614	0.00	7.70	7.70	42	0	0	2	4	36	0.000	0.140	Under	113.79	14.78	NO	NO	1,113	9%	14%	
40	7	134	34	NJTPA	HUNTERDON	HOLLAND TWP	HUNTERDON COUNTY 627	Major Collector, County Jurisdiction	10000627	0.00	6.05	6.05	12	0	1	1	3	7	0.130	0.140	Over	113.66	40.98	YES	YES	408	2%	9%	
41	3	63	4	NJTPA	SOMERSET	HILLSBOROUGH TWP	ROUTE 514	Major Collector, County Jurisdiction	00000																				