

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 IN ('02', '07', '09', '10', '12', '13', '14', '15', '16', '18', '19', '20', '21')	Years 2018, 2019, 2020
SLD Functional Class Table	AND	mun_cty_code	County	IN ('02', '05', '06', '07', '08')	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 Urban Table	AND	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	AND	intersection	At Intersection	Is 'Y'	Y - Yes
		f_system_code	Functional Class	IN ('05', '06', '07')	5 - Major Collector; 6 - Minor Collector; 7 - Local
		is_urban	Is Urban	Is '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.

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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

EJ Area Thresholds			
Minority %	≥		45%
Low-Income %	≥		22%

$$ePDO_{TOTAL} = [K]^1[ePDO_A]^1[A]^1[ePDO_B]^1[B]^1[ePDO_C]^1[C]^1[ePDO_O]^1[O]^1[ePDO_{TOTAL}]$$

Peer Group Summary		
Peer Group	Average Severe Crashes per Mile	No. of "Over" Locations
Major Collector, County Jurisdiction	0.167	4
Major Collector, Municipality Jurisdiction	0.000	0
Major Collector, NJDOT Jurisdiction	N/A	N/A
Minor Collector, County Jurisdiction	0.485	1
Minor Collector, Municipality Jurisdiction	0.000	0
Minor Collector, NJDOT Jurisdiction	N/A	N/A
Local, County Jurisdiction	0.000	0
Local, Municipality Jurisdiction	0.018	3
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	SBI	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?	EJScreens - Census Block Group Population (Lowest Value)	EJScreens - Minority % (Highest Value)	EJScreens - Low-Income % (Highest Value)	
													Total Crashes	K	A	B	C											O
4	1	24	5	NJTPA	MONMOUTH	UPPER FREEHOLD TWP	ROUTE 539	Major Collector, County Jurisdiction	00000539	37.71	43.83	6.12	86	0	1	14	6	65	0.160	0.140	Over	427.77	69.90	NO	NO	1,892	25%	14%
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%
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%
15	4	19	4	NJTPA	MONMOUTH	UPPER FREEHOLD TWP	SHARON STATION RD	Local, Municipality Jurisdiction	13511021	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 537 ALTERNATE	Major Collector, County Jurisdiction	00000527A	2.89	5.74	2.85	38	0	1	2	6	29	0.350	0.140	Over	185.40	65.05	YES	YES	748	30%	29%
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	8	1	NJTPA	MONMOUTH	FREEHOLD TWP	MONMOUTH COUNTY 23	Major Collector, County Jurisdiction	13000023	0.15	1.45	1.30	28	0	1	3	4	20	0.770	0.140	Over	171.90	132.23	NO	NO	1,712	21%	18%
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%
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	NO	YES	854	20%	9%
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%
38	11	42	9	NJTPA	MONMOUTH	UPPER FREEHOLD TWP	HERBERT DR	Local, Municipality Jurisdiction	13511001	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%
64	12	27	13	NJTPA	MONMOUTH	MILLSTONE TWP	NOMKOC RD	Local, Municipality Jurisdiction	13161006	0.00	2.02	2.02	6	0	0	4	0	2	0.040	0.040	Under	70.79	24.94	NO	NO	1,539	21%	18%
66	13	140	24	NJTPA	MONMOUTH	UPPER FREEHOLD TWP	MEIRS RD	Local, Municipality Jurisdiction	13511013	0.00	3.97	3.97	5	1	0	0	1	3	0.250	0.040	Over	70.76	17.82	NO	NO	2,475	7%	14%
78	14	146	25	NJTPA	MONMOUTH	UPPER FREEHOLD TWP	MONMOUTH COUNTY 27 I	Local, County Jurisdiction	13000027	0.00	3.49	3.49	24	0	0	1	2	21	0.000	0.120	Under	59.89	17.16	YES	NO	1,396	29%	23%
86	15	87	17	NJTPA	MONMOUTH	MILLSTONE TWP	PRODELIN WAY	Local, Municipality Jurisdiction	13321009	0.01	2.12	2.11	22	0	0	1	2	19	0.000	0.040	Under	57.89	27.44	YES	NO	1,830	50%	7%
95	16	25	6	NJTPA	MONMOUTH	MILLSTONE TWP	PINE DR	Local, Municipality Jurisdiction	13321033	0.00	0.79	0.79	5	0	0	3	0	2	0.000	0.040	Under	53.59	67.84	NO	NO	1,975	25%	14%
100	17	181	28	NJTPA	MONMOUTH	UPPER FREEHOLD TWP	EMLEYS HILL RD	Local, Municipality Jurisdiction	13511004	0.00	3.10	3.10	8	0	0	1	2	5	0.000	0.040	Under	48.89	14.16	NO	NO	2,475	13%	14%
111	18	241	36	NJTPA	MONMOUTH	UPPER FREEHOLD TWP	POLHEMUSTOWN RD	Local, Municipality Jurisdiction	13511001	0.07	4.12	4.05	6	0	0	2	0	4	0.000	0.040	Under	38.39	9.48	NO	YES	912	25%	14%
116	19	230	35	NJTPA	MONMOUTH	MILLSTONE TWP	MILLSTONE RD	Minor Collector, Municipality Jurisdiction	13321017	0.04	3.65	3.61	17	0	0	0	1	15	0.000	0.030	Under	36.70	10.16	NO	NO	1,539	50%	8%
122	20	122	21	NJTPA	MONMOUTH	UPPER FREEHOLD TWP	ANREYSTOWN-CHESTERFIELD R	Local, Municipality Jurisdiction	13511009	0.00	1.65	1.65	3	0	0	2	0	1	0.000	0.040	Under	35.39	21.45	NO	YES	912	25%	14%
124	21	66	15	NJTPA	MONMOUTH	MILLSTONE TWP	SPRING RD	Local, Municipality Jurisdiction	13321028	0.18	1.22	1.04	2	0	0	2	0	0	0.000	0.040	Under	34.39	33.07	NO	NO	2,398	20%	16%
133	22	287	41	NJTPA	MONMOUTH	FREEHOLD TWP	ELY HARMONY RD	Minor Collector, Municipality Jurisdiction	13321049	0.54	4.80	4.26	11	0	0	0	2	9	0.000	0.030	Under	30.70	7.21	NO	NO	1,539	21%	18%
135	23	226	34	NJTPA	MONMOUTH	MILLSTONE TWP	YELLOW MEETING HOUSE RD	Local, Municipality Jurisdiction	13321025	0.00	2.84	2.84	4	0	0	1	1	2	0.000	0.040	Under	30.04	70.58	NO	NO	1,291	20%	14%
135	23	329	43	NJTPA	MONMOUTH	UPPER FREEHOLD TWP	WALNFORD RD	Local, Municipality Jurisdiction	13511008	0.00	5.72	5.72	4	0	0	1	1	2	0.000	0.040	Under	30.04	5.25	NO	YES	912	25%	14%
135	23	116	16	NJTPA	MONMOUTH	MILLSTONE TWP	WINDSOR RD	Major Collector, Municipality Jurisdiction	13321016	0.00	1.34	1.34	4	0	0	1	1	2	0.000	0.020	Under	30.04	22.42	YES	YES	854	45%	9%
136	23	77	16	NJTPA	MONMOUTH	UPPER FREEHOLD TWP	MONMOUTH COUNTY 43	Minor Collector, County Jurisdiction	13000043	0.66	1.22	1.00	2	0	0	1	2	0.000	0.060	Under	30.04	30.04	NO	NO	1,291	44%	14%	
155	27	269	39	NJTPA	MONMOUTH	MILLSTONE TWP	STILLHOUSE RD	Local, Municipality Jurisdiction	13321020	0.00	2.91	2.91	8	0	0	1	0	7	0.000	0.040	Under	24.20	8.32	NO	NO	2,808	17%	16%
159	28	182	29	NJTPA	MONMOUTH	MILLSTONE TWP	ROUTE 571	Major Collector, County Jurisdiction	00000571	30.68	32.36	1.68	4	0	0	2	2	2	0.000	0.040	Under	23.70	14.10	YES	YES	571	71%	24%
167	29	221	33	NJTPA	MONMOUTH	MILLSTONE TWP	BAIRD RD	Minor Collector, Municipality Jurisdiction	13321040	0.28	2.34	2.06	6	0	0	1	0	5	0.000	0.030	Under	22.20	10.78	NO	NO	1,830	19%	7%
170	30	28	8	NJTPA	MONMOUTH	UPPER FREEHOLD TWP	DUTCHESS DR	Local, Municipality Jurisdiction	13511060	0.00	0.33	0.33	5	0	0	1	0	4	0.000	0.040	Under	21.20	64.23	NO	NO	2,475	25%	14%
178	31	152	26	NJTPA	MONMOUTH	UPPER FREEHOLD TWP	DAVIS STATION RD	Local, Municipality Jurisdiction	13511005	0.00	1.22	1.22	4	0	0	1	0	3	0.000	0.040	Under	20.20	16.56	NO	NO	2,475	25%	14%
178	31	265	38	NJTPA	MONMOUTH	MILLSTONE TWP	BACKBONE HILL RD	Local, Municipality Jurisdiction	13321022	0.00	2.41	2.41	4	0	0	1	0	3	0.000	0.040	Under	20.20	8.38	NO	NO	2,398	20%	16%
185	32	205	31	NJTPA	MONMOUTH	MILLSTONE TWP	RED WALLEY RD	Local, Municipality Jurisdiction	13321029	0.00	1.58	1.58	3	0	0	1	0	2	0.000	0.040	Under	19.20	12.15	NO	NO	1,291	45%	9%
185	32	155	27	NJTPA	MONMOUTH	FREEHOLD TWP	FRANCIS MILL RD	Local, Municipality Jurisdiction	13161001	0.00	1.18	1.18	3	0	0	1	0	2	0.000	0.040	Under	19.20	16.27	NO	NO	1,539	17%	20%
198	35	123	22	NJTPA	MONMOUTH	UPPER FREEHOLD TWP	SCHOOLHOUSE RD	Local, Municipality Jurisdiction	13511002	0.00	0.85	0.85	2	0	0	1	0	1	0.000	0.040	Under	18.20	21.41	NO	NO	2,475	25%	14%
198	35	185	30	NJTPA	MONMOUTH	UPPER FREEHOLD TWP	IMLAYSTOWN-HIGHTSTOWN RD	Local, Municipality Jurisdiction	13511011	0.00	1.30	1.30	2	0	0	1	0	1	0.000	0.040	Under	18.20	14.00	NO	NO	1,291	20%	14%
242	37	211	32	NJTPA	MONMOUTH	UPPER FREEHOLD TWP	MONMOUTH COUNTY 27 I	Local, Municipality Jurisdiction	13000027	3.49	4.67	1.18	4	0	0	0	1	3	0.000	0.040	Under	13.85	11.74	NO	NO	2,475	25%	14%
247	38	126	23	NJTPA	MONMOUTH	UPPER FREEHOLD TWP	MONMOUTH COUNTY 43	Local, County Jurisdiction	13000043	0.00	0.63	0.63	3	0	0	0	1	2	0.000	0.120	Under	12.85	20.39	NO	NO	2,475	7%	14%
247	38	322	42	NJTPA	MONMOUTH	MILLSTONE TWP	NURKO RD	Local, Municipality Jurisdiction	13321011	0.00	2.28	2.28	3	0	0	0	1	2	0.000	0.040	Under	12.85	5.63	YES	YES	854	45%	9%
259	40	117	18	NJTPA	MONMOUTH	UPPER FREEHOLD TWP	BROOK ORE RD	Major Collector, Municipality Jurisdiction	13000053	0.00	0.53	0.53	2	0	0	0	1	0	0.000	0.030	Under	11.85	748	NO	NO	1,291	45%	29%
273	41	46	11	NJTPA	MONMOUTH	MILLSTONE TWP	GREEN																					