

New Jersey Network Screening Lists, 2023

SJTPO - High Risk Rural Roads (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 ('01', '05', '06', '17')	01 - Atlantic; 05 - Cape May; 06 - Cumberland; 17 - Salem
		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 (5, 6, 7)	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

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

Peer Group Summary		
Peer Group	Average Severe Crashes per Mile	No. of "Over" Locations
Major Collector, County Jurisdiction	0.142	4
Major Collector, Municipality Jurisdiction	0.000	0
Major Collector, NJDOT Jurisdiction	N/A	N/A
Minor Collector, County Jurisdiction	0.000	0
Minor Collector, Municipality Jurisdiction	0.000	0
Minor Collector, NJDOT Jurisdiction	N/A	N/A
Local, County Jurisdiction	0.036	1
Local, Municipality Jurisdiction	0.086	3
Local, NJDOT Jurisdiction	N/A	N/A

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

Crashes by Severity (2018-2020)																												
Rank (Weighted Score)	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	Total Crashes	K	A	B	C	O	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)
11	1	63	6	SJTPO	CAPE MAY	WOODBINE BORO	ROUTE 550	Major Collector, County Jurisdiction	00000550	0.00	8.87	8.87	28	1	1	8	1	17	0.230	0.210	Over	279.26	21.48	YES	YES	524	71%	72%
23	2	27	1	SJTPO	CAPE MAY	MIDDLE TWP	CAPE MAY COUNTY 657	Major Collector, County Jurisdiction	05000657	5.64	8.67	3.03	19	1	0	4	3	11	0.330	0.210	Over	169.25	55.86	YES	YES	682	26%	29%
25	3	73	7	SJTPO	CAPE MAY	UPPER TWP	CAPE MAY COUNTY 610	Major Collector, County Jurisdiction	05000610	0.76	6.27	5.51	27	0	1	4	1	21	0.180	0.210	Under	157.55	28.59	YES	YES	879	35%	72%
46	4	59	3	SJTPO	CAPE MAY	DENNIS TWP	CAPE MAY COUNTY 611	Major Collector, County Jurisdiction	05000611	0.00	2.81	2.81	17	0	1	1	1	14	0.360	0.210	Over	98.96	35.22	YES	YES	652	71%	72%
50	5	61	May - HRRR	SJTPO	CAPE MAY	DENNIS TWP	ROUTE 557	Major Collector, County Jurisdiction	00000557	0.00	2.84	2.84	9	0	1	0	3	5	0.350	0.210	Over	94.46	33.26	YES	YES	652	71%	72%
54	6	60	4	SJTPO	CAPE MAY	MIDDLE TWP	CAPE MAY COUNTY 646	Local, County Jurisdiction	05000646	0.00	2.52	2.52	14	0	0	4	1	9	0.000	0.080	Under	88.64	35.17	NO	YES	682	17%	18%
56	7	173	21	SJTPO	CAPE MAY	DENNIS TWP	ROUTE 548	Major Collector, County Jurisdiction	00000548	0.00	9.18	9.18	20	0	1	0	1	18	0.110	0.210	Under	85.76	9.34	YES	YES	926	13%	35%
58	8	87	8	SJTPO	CAPE MAY	MIDDLE TWP	CAPE MAY COUNTY 601	Major Collector, County Jurisdiction	05000601	0.53	3.82	3.29	17	0	0	2	3	12	0.000	0.210	Under	405	23.99	NO	YES	405	17%	17%
64	9	97	10	SJTPO	CAPE MAY	UPPER TWP	CAPE MAY COUNTY 664	Local, County Jurisdiction	05000664	0.00	3.50	3.50	10	0	1	0	1	8	0.290	0.080	Over	75.76	21.65	NO	NO	1,038	5%	16%
85	10	134	15	SJTPO	CAPE MAY	DENNIS TWP	BUCKHILL RD	Local, Municipality Jurisdiction	05041002	0.00	4.17	4.17	3	0	1	0	0	2	0.240	0.120	Over	58.92	14.13	YES	YES	534	59%	47%
92	11	129	13	SJTPO	CAPE MAY	DENNIS TWP	PINE SWAMP RD	Local, Municipality Jurisdiction	05041140	0.00	3.94	3.94	1	0	1	0	0	0	0.250	0.120	Over	56.92	14.45	YES	YES	810	59%	47%
92	11	36	2	SJTPO	CAPE MAY	MIDDLE TWP	PIERCES POINT RD	Local, Municipality Jurisdiction	05061126	0.00	1.14	1.14	1	0	1	0	0	0	0.880	0.120	Over	56.92	49.93	YES	YES	0	59%	49%
104	13	88	9	SJTPO	CAPE MAY	MIDDLE TWP	CAPE MAY COUNTY 618	Major Collector, County Jurisdiction	05000618	0.90	3.17	2.27	12	0	0	2	1	9	0.000	0.210	Under	54.24	23.90	YES	NO	1,403	59%	49%
111	14	119	12	SJTPO	CAPE MAY	DENNIS TWP	ROUTE 550	Major Collector, County Jurisdiction	00000550	10.95	13.63	2.68	17	0	0	0	3	14	0.000	0.210	Under	46.54	17.37	YES	YES	879	35%	72%
112	15	135	16	SJTPO	CAPE MAY	UPPER TWP	CAPE MAY COUNTY 605	Local, County Jurisdiction	05000605	0.00	3.37	3.37	4	0	0	2	1	1	0.000	0.080	Under	46.24	13.72	YES	NO	1,038	14%	35%
146	16	105	11	SJTPO	CAPE MAY	MIDDLE TWP	CAPE MAY COUNTY 612	Major Collector, County Jurisdiction	05000612	0.00	1.18	1.18	7	0	0	1	0	6	0.000	0.210	Under	23.20	19.66	YES	NO	1,592	14%	38%
151	17	133	14	SJTPO	CAPE MAY	MIDDLE TWP	CAPE MAY COUNTY 643	Local, County Jurisdiction	05000643	0.00	1.49	1.49	5	0	0	1	0	4	0.000	0.080	Under	21.20	14.23	YES	NO	1,592	14%	38%
154	18	149	19	SJTPO	CAPE MAY	UPPER TWP	ROUTE 557	Local, County Jurisdiction	00000557	7.67	9.42	1.75	4	0	0	1	0	3	0.000	0.080	Under	20.20	11.54	NO	NO	1,038	5%	16%
172	19	201	24	SJTPO	CAPE MAY	MIDDLE TWP	CAPE MAY COUNTY 615	Minor Collector, County Jurisdiction	05000615	2.97	5.96	2.99	8	0	0	0	1	7	0.000	0.130	Under	17.85	5.97	YES	YES	682	26%	29%
173	20	144	18	SJTPO	CAPE MAY	DENNIS TWP	JAKES LANDING RD	Local, Municipality Jurisdiction	05041135	0.00	1.39	1.39	1	0	0	1	0	0	0.000	0.120	Under	17.20	12.37	YES	NO	1,937	14%	35%
193	21	204	25	SJTPO	CAPE MAY	MIDDLE TWP	STAGECOACH RD	Local, Municipality Jurisdiction	05061128	0.74	2.80	2.06	2	0	0	0	1	1	0.000	0.120	Under	11.85	5.75	YES	NO	1,592	14%	38%
239	22	279	31	SJTPO	CAPE MAY	MIDDLE TWP	CAPE MAY COUNTY 658	Local, County Jurisdiction	05000658	0.00	1.31	1.31	2	0	0	0	0	2	0.000	0.080	Under	2.00	1.53	YES	YES	682	26%	38%
239	22	178	22	SJTPO	CAPE MAY	UPPER TWP	CAPE MAY COUNTY 617	Major Collector, County Jurisdiction	05000617	0.00	0.23	0.23	2	0	0	0	0	2	0.000	0.210	Under	2.00	8.70	NO	NO	1,038	5%	16%
239	22	276	30	SJTPO	CAPE MAY	UPPER TWP	CAPE MAY COUNTY 632	Local, County Jurisdiction	05000632	0.00	1.23	1.23	2	0	0	0	0	2	0.000	0.080	Under	2.00	1.63	NO	NO	1,038	5%	16%
266	25	142	17	SJTPO	CAPE MAY	MIDDLE TWP	PEBBLEBROOK LN	Local, Municipality Jurisdiction	05061235	0.00	0.08	0.08	1	0	0	0	0	1	0.000	0.120	Under	1.00	12.50	NO	NO	2,143	17%	17%
266	25	309	34	SJTPO	CAPE MAY	MIDDLE TWP	CAPE MAY COUNTY 655	Local, County Jurisdiction	05000655	0.00	1.00	1.00	1	0	0	0	0	1	0.000	0.080	Under	1.00	1.00	NO	YES	0	14%	18%
266	25	288	32	SJTPO	CAPE MAY	WOODBINE BORO	HELPRIN AVE	Local, Municipality Jurisdiction	05161020	1.81	2.57	0.76	1	0	0	0	0	1	0.000	0.120	Under	1.00	1.32	YES	YES	879	35%	72%
266	25	264	27	SJTPO	CAPE MAY	UPPER TWP	SUNSET DR	Local, Municipality Jurisdiction	05111136	0.00	0.52	0.52	1	0	0	0	0	1	0.000	0.120	Under	1.00	1.92	NO	NO	2,847	5%	13%
266	25	337	36	SJTPO	CAPE MAY	WOODBINE BORO	FREMONT AV	Local, Municipality Jurisdiction	05161022	0.00	1.70	1.70	1	0	0	0	0	1	0.000	0.120	Under	1.00	0.59	YES	YES	652	71%	72%
266	25	269	28	SJTPO	CAPE MAY	MIDDLE TWP	OLD AVALON BLVD	Local, Municipality Jurisdiction	05061193	0.00	0.55	0.55	1	0	0	0	0	1	0.000	0.120	Under	1.00	1.82	NO	NO	2,143	17%	17%
266	25	298	33	SJTPO	CAPE MAY	DENNIS TWP	MYRTLE AV	Local, Municipality Jurisdiction	05041015	0.00	0.86	0.86	1	0	0	0	0	1	0.000	0.120	Under	1.00	1.16	YES	YES	810	59%	72%
266	25	152	20	SJTPO	CAPE MAY	MIDDLE TWP	CEDAR LN	Local, Municipality Jurisdiction	05061216	0.00	0.09	0.09	1	0	0	0	0	1	0.000	0.120	Under	1.00	11.11	YES	YES	979	26%	30%
266	25	189	23	SJTPO	CAPE MAY	DENNIS TWP	MYRTLE AV EAST	Local, Municipality Jurisdiction	05041086	0.00	0.14	0.14	1	0	0	0	0	1	0.000	0.120	Under	1.00	7.14	YES	NO	2,184	5%	35%
266	25	228	26	SJTPO	CAPE MAY	MIDDLE TWP	CAPE MAY COUNTY 650	Local, Municipality Jurisdiction	05000650	0.00	0.30	0.30	1	0	0	0	0	1	0.000	0.120	Under	1.00	3.33	NO	YES	682	14%	18%
266	25	312	35	SJTPO	CAPE MAY	UPPER TWP	SOUTH SUNSET DR	Local, Municipality Jurisdiction	05111148	0.00	1.05	1.05	1	0	0	0	0	1	0.000	0.120	Under	1.00	0.95	NO	NO	2,847	5%	13%
266	25	275	29	SJTPO	CAPE MAY	DENNIS TWP	DUDICAN RD	Local, Municipality Jurisdiction	05041020	0.00	0.61	0.61	1	0	0	0	0	1	0.000	0.120	Under	1.00	1.64	YES	YES	810	59%	47%