

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)

Print Date: Tuesday, October 10, 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	AND	mun_cty_co	County	IN ('01', '05', '06', '17')	01 - Atlantic; 05 - Cape May; 06 - Cumberland; 17 - Salem
SLD Is 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
SLD Jurisdiction Table	AND	l_system_code	Functional Class	IN (5, 6, 7)	5 - Major Collector; 6 - Minor Collector; 7 - Local
SLD Jurisdiction Table	AND	is_urban	Is Urban	Is 'Y'	Y - Yes
SLD Jurisdiction Table	AND	jurc_code	Jurisdiction Type	IN (2, 3)	2 - County; 3 - Municipality

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Equivalent Property Damage Only (ePDO) Score Weights			
Crash Severity	KABCO Scale	2023 Dollars	ePDO Value (K=A)
Fatal	A	\$14,277,743	56.9173
Incapacitating	A	\$626,309	56.9173
Non-incapacitating	B	\$249,666	17.1973
Possible Injury	C	\$157,482	10.8476
Property Damage Only	O	\$14,518	1.0000

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

Peer Group	Peer Group Summary	Average Severe Crashes per Mile	No. of "Over" Locations
Major Collector, County Jurisdiction		0.160	5
Major Collector, Municipality Jurisdiction		0.000	0
Major Collector, NIDOT Jurisdiction		N/A	N/A
Minor Collector, County Jurisdiction		0.048	2
Minor Collector, Municipality Jurisdiction		0.000	0
Minor Collector, NIDOT Jurisdiction		N/A	N/A
Local, County Jurisdiction		0.101	8
Local, Municipality Jurisdiction		0.052	4
Local, NIDOT Jurisdiction		N/A	N/A

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	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	71											
3	1	53	18	SITPO	SALEM	MANNINGTON TWP	ROUTE 540	Major Collector, County Jurisdiction	00000540	8.79	24.83	16.04	99	1	2	12	13	0	0	0.210	0.210	Under	589.14	26.73	YES	YES	556	34%	34%	36%
4	2	54	19	SITPO	SALEM	UPPER PITTSBORO TWP	ROUTE 581	Major Collector, County Jurisdiction	00000581	0.00	14.14	14.14	74	0	5	4	10	55	0.350	0.210	Over	516.85	36.55	YES	YES	308	26%	26%	34%	
6	3	9	3	SITPO	SALEM	PILESBORO TWP	SALEM COUNTY 619	Local, County Jurisdiction	17000619	0.00	4.95	4.95	67	0	1	13	10	43	0.200	0.080	Over	431.96	87.26	YES	YES	1127	44%	30%	30%	
7	4	56	21	SITPO	SALEM	UPPER PITTSBORO TWP	SALEM COUNTY 611	Major Collector, County Jurisdiction	17000611	0.00	9.43	9.43	33	1	1	7	8	16	0.210	0.210	Under	337.00	35.74	YES	YES	714	13%	24%	24%	
8	5	7	2	SITPO	SALEM	PITTSBORO TWP	SALEM COUNTY 645	Local, County Jurisdiction	17000645	0.00	3.16	3.16	41	1	2	4	4	30	0.950	0.080	Over	312.93	99.03	YES	YES	980	45%	27%	27%	
9	6	25	8	SITPO	SALEM	MANNINGTON TWP	ROUTE 540	Major Collector, County Jurisdiction	00000540	1.53	6.90	5.37	57	1	0	7	8	41	0.190	0.210	Under	305.08	56.81	YES	YES	647	34%	35%	35%	
10	7	26	9	SITPO	SALEM	MANNINGTON TWP	SALEM COUNTY 657	Major Collector, County Jurisdiction	17000657	1.31	6.25	4.94	28	1	2	4	2	19	0.610	0.210	Over	280.24	56.73	YES	YES	308	86%	77%	86%	
13	8	6	1	SITPO	SALEM	ALLOWAY TWP	SALEM COUNTY 635	Local, County Jurisdiction	17000635	0.00	2.41	2.41	30	0	2	4	6	18	0.830	0.210	Over	101.25	110.25	YES	NO	1012	18%	22%	22%	
14	9	50	16	SITPO	SALEM	ALLOWAY TWP	SALEM COUNTY 672	Major Collector, County Jurisdiction	17000672	0.00	6.64	6.64	47	0	1	8	3	35	0.150	0.210	Under	262.04	39.46	YES	NO	1127	14%	37%	37%	
20	10	44	14	SITPO	SALEM	UPPER PITTSBORO TWP	SALEM COUNTY 635	Local, County Jurisdiction	17000635	2.41	6.57	4.16	22	1	0	5	2	14	0.240	0.080	Over	178.60	42.93	YES	NO	1232	13%	23%	23%	
21	11	47	15	SITPO	SALEM	OLDMANS TWP	SALEM COUNTY 644	Major Collector, County Jurisdiction	17000644	0.00	4.37	4.37	17	1	1	3	0	12	0.460	0.210	Over	127.43	40.60	YES	NO	1104	57%	39%	39%	
26	12	31	10	SITPO	SALEM	PITTSBORO TWP	ROUTE 540	Major Collector, County Jurisdiction	00000540	26.56	29.53	2.97	26	0	1	2	4	19	0.340	0.210	Over	153.70	51.75	YES	NO	1594	38%	27%	27%	
29	13	35	20	SITPO	SALEM	UPPER PITTSBORO TWP	ROUTE 551	Major Collector, County Jurisdiction	00000551	7.83	11.52	3.69	18	0	0	4	5	9	0.000	0.210	Under	132.03	35.78	YES	NO	1578	25%	35%	35%	
30	14	58	22	SITPO	SALEM	PILESBORO TWP	SALEM COUNTY 615	Local, County Jurisdiction	17000615	0.00	3.72	3.72	24	0	0	6	1	17	0.000	0.080	Under	131.03	35.22	YES	NO	1127	14%	37%	37%	
32	15	52	17	SITPO	SALEM	PITTSBORO TWP	SALEM COUNTY 613	Local, County Jurisdiction	17000613	1.73	5.06	3.33	25	0	0	4	4	17	0.000	0.080	Under	129.18	38.79	YES	YES	980	14%	32%	32%	
33	16	84	30	SITPO	SALEM	PITTSBORO TWP	SALEM COUNTY 639	Major Collector, County Jurisdiction	17000639	0.00	5.17	5.17	28	0	0	5	2	21	0.000	0.210	Under	128.68	24.89	YES	YES	714	59%	24%	24%	
35	17	83	29	SITPO	SALEM	LOWER ALLOWAYS CRK TWP	BUTTONWOOD AV	Local, Municipality Jurisdiction	17041028	0.00	4.99	4.99	3	1	1	0	1	0	0.400	0.120	Over	124.68	24.99	NO	YES	0	7%	10%	10%	
42	18	99	37	SITPO	SALEM	ALLOWAY TWP	SALEM COUNTY 603	Major Collector, County Jurisdiction	17000603	0.00	5.20	5.20	32	0	1	0	2	29	0.190	0.210	Under	107.61	20.69	YES	NO	1127	26%	37%	37%	
43	19	100	38	SITPO	SALEM	UPPER PITTSBORO TWP	SALEM COUNTY 604	Minor Collector, County Jurisdiction	17000604	0.00	4.90	4.90	25	0	1	0	2	22	0.200	0.130	Over	106.61	20.53	YES	NO	1160	13%	24%	24%	
44	20	120	46	SITPO	SALEM	LOWER ALLOWAYS CRK TWP	SALEM COUNTY 667	Major Collector, County Jurisdiction	17000667	0.00	5.87	5.87	18	0	1	0	1	15	0.170	0.210	Under	99.96	17.03	YES	YES	528	34%	34%	34%	
45	21	35	11	SITPO	SALEM	OLDMANS TWP	SALEM COUNTY 643	Major Collector, County Jurisdiction	17000643	1.11	3.08	1.97	21	0	0	3	3	15	0.000	0.210	Under	99.13	50.32	NO	NO	1760	16%	18%	18%	
47	22	98	36	SITPO	SALEM	PITTSBORO TWP	SALEM COUNTY 655	Local, County Jurisdiction	17000655	0.99	5.54	4.55	10	0	1	0	3	6	0.220	0.080	Over	95.46	20.98	YES	YES	980	28%	27%	27%	
48	23	22	7	SITPO	SALEM	PITTSBORO TWP	SALEM COUNTY 671	Local, County Jurisdiction	17000671	0.00	1.63	1.63	7	0	1	2	0	4	0.610	0.080	Over	95.31	58.47	YES	YES	980	14%	32%	32%	
52	24	132	51	SITPO	SALEM	UPPER PITTSBORO TWP	SALEM COUNTY 677	Local, County Jurisdiction	17000677	0.00	6.46	6.46	14	0	0	3	3	8	0.000	0.080	Under	92.13	14.26	YES	YES	556	19%	36%	36%	
60	25	118	45	SITPO	SALEM	UPPER PITTSBORO TWP	SALEM COUNTY 648	Minor Collector, County Jurisdiction	17000648	1.53	5.92	4.39	6	0	1	1	0	4	0.230	0.130	Over	78.11	17.79	YES	YES	722	13%	30%	30%	
67	26	106	46	SITPO	SALEM	QUINTON TWP	SALEM COUNTY 653	Local, County Jurisdiction	17000653	0.00	3.15	3.15	23	0	0	2	2	19	0.000	0.080	Under	75.09	30.8	YES	YES	308	84%	24%	24%	
69	27	68	24	SITPO	SALEM	PITTSBORO TWP	SALEM COUNTY 674	Local, County Jurisdiction	17000674	1.98	4.43	2.45	16	0	0	3	1	12	0.000	0.080	Under	74.44	90.38	YES	YES	980	38%	27%	27%	
70	28	90	33	SITPO	SALEM	LOWER ALLOWAYS CRK TWP	SALEM COUNTY 651	Local, County Jurisdiction	17000651	0.00	2.99	2.99	4	0	1	0	1	2	0.330	0.080	Over	69.76	23.33	YES	NO	1191	26%	34%	34%	
71	29	12	4	SITPO	SALEM	UPPER PITTSBORO TWP	SALEM COUNTY 611	Minor Collector, County Jurisdiction	17000611	12.55	13.37	0.82	13	0	0	1	4	8	0.000	0.130	Under	68.59	83.64	YES	NO	1058	21%	38%	38%	
76	30	80	28	SITPO	SALEM	UPPER PITTSBORO TWP	ROUTE 553	Major Collector, County Jurisdiction	00000553	33.63	36.16	2.53	6	0	0	3	1	2	0.000	0.210	Under	64.44	25.47	YES	NO	1058	21%	38%	38%	
77	31	107	42	SITPO	SALEM	OLDMANS TWP	SALEM COUNTY 602	Local, County Jurisdiction	17000602	5.46	8.75	3.29	7	0	1	0	0	6	0.300	0.080	Over	62.92	19.12	NO	YES	447	28%	28%	28%	
80	32	38	12	SITPO	SALEM	PITTSBORO TWP	MORTON AV	Local, Municipality Jurisdiction	17101022	1.24	2.90	1.28	5	0	1	0	4	4	0.790	0.120	Over	58.59	48.35	YES	NO	1256	45%	24%	24%	
81	33	39	13	SITPO	SALEM	PITTSBORO TWP	SALEM COUNTY 690	Local, County Jurisdiction	17000690	0.00	1.26	1.26	4	1	0	0	0	3	0.790	0.080	Over	59.92	47.55	YES	YES	556	19%	36%	36%	
85	34	79	27	SITPO	SALEM	PILESBORO TWP	FEATHERBED LN	Local, Municipality Jurisdiction	17091016	0.00	2.31	2.31	3	0	1	0	0	2	0.430	0.120	Over	58.92	25.51	YES	NO	1578	35%	35%	35%	
90	35	148	54	SITPO	SALEM	ALLOWAY TWP	SALEM COUNTY 614	Local, County Jurisdiction	17000614	0.00	4.93	4.93	15	0	0	2	1	12	0.000	0.080	Under	57.24	11.61	YES	YES	556	19%	36%	36%	
91	36	124	49	SITPO	SALEM	PITTSBORO TWP	S MAIN ST	Local, Municipality Jurisdiction	17021017	1.18	4.79	3.61	5	0	0	2	2	1	0.000	0.120	Under	57.09	15.81	YES	YES	556	19%	36%	36%	
92	37	20	6	SITPO	SALEM	ELSNBORO TWP	MASON POINT RD	Local, Municipality Jurisdiction	17031015	0.00	0.93	0.93	1	1	0	0	0	0	1.080	0.120	Over	56.92	61.20	NO	NO	1052	19%	20%	20%	
93	38	172	62	SITPO	SALEM	PITTSBORO TWP	SALEM COUNTY 646	Local, County Jurisdiction	17000646	0.00	5.92	5.92	7	0	0	3	0	4	0.000	0.080	Under	55.59	32.49	YES	YES	647	35%	34%	34%	
108	39	89	32	SITPO	SALEM	UPPER PITTSBORO TWP	THREE BRIDGE RD	Local, Municipality Jurisdiction	17141012	0.00	2.09	2.09	7	0	0	2	1	4	0.000	0.120	Under	49.24	23.56	YES	NO	1160	11%	24%	24%	
110	40	168	59	SITPO	SALEM	PILESBORO TWP	SALEM COUNTY 620	Major Collector, County Jurisdiction	17000620	1.06	5.85	4.79	32	0	0	1	2	9	0.000	0.210	Under	47.89	10.00	NO	NO	123				

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		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

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266	92	240	85	SJTPO	SALEM	LOWER ALLOWAYS CRK TWP	ALLOWAY CREEK RD	Local, Municipality Jurisdiction	17041019	0.00	0.40	0.40	1	0	0	0	0	1	0.000	0.120	Under	1.00	2.50	NO	YES	528	7%	10%
266	92	331	105	SJTPO	SALEM	WOODSTOWN BORO	SALEM COUNTY 678	Local, County Jurisdiction	17000678	0.00	1.49	1.49	1	0	0	0	1	0.000	0.080	Under	1.00	0.67	YES	YES	925	26%	37%	
266	92	250	87	SJTPO	SALEM	UPPER PITTSBORO TWP	DILKS RD	Local, Municipality Jurisdiction	17141004	0.00	0.44	0.44	1	0	0	0	0	1	0.000	0.120	Under	1.00	2.27	YES	NO	1,913	11%	30%
266	92	229	81	SJTPO	SALEM	ALLOWAY TWP	CEDAR ST	Local, Municipality Jurisdiction	17011027	0.00	0.32	0.32	1	0	0	0	1	0.000	0.120	Under	1.00	3.13	NO	NO	3,220	11%	9%	
266	92	334	107	SJTPO	SALEM	ALLOWAY TWP	THOMAS RD	Local, Municipality Jurisdiction	17011006	0.00	1.59	1.59	1	0	0	0	1	0.000	0.120	Under	1.00	0.63	NO	NO	3,220	11%	9%	
266	92	357	116	SJTPO	SALEM	ALLOWAY TWP	PIERSON RD	Local, Municipality Jurisdiction	17011037	0.00	3.03	3.03	1	0	0	0	1	0.000	0.120	Under	1.00	0.33	NO	NO	1,127	26%	16%	
266	92	325	101	SJTPO	SALEM	PLESGROVE TWP	ROBBINS RD	Local, Municipality Jurisdiction	17091001	0.00	1.23	1.23	1	0	0	0	1	0.000	0.120	Under	1.00	0.81	YES	NO	1,127	14%	23%	
266	92	219	78	SJTPO	SALEM	ALLOWAY TWP	DORRELL LN	Local, Municipality Jurisdiction	17011041	0.00	0.25	0.25	1	0	0	0	1	0.000	0.120	Under	1.00	4.00	NO	NO	3,220	11%	9%	
266	92	354	115	SJTPO	SALEM	QUINTON TWP	HOGATE BLVD	Local, Municipality Jurisdiction	17041006	0.00	2.50	2.50	1	0	0	0	1	0.000	0.120	Under	1.00	0.40	YES	NO	1,191	26%	34%	
266	92	348	113	SJTPO	SALEM	PITTSBORO TWP	GREENVILLE RD	Local, Municipality Jurisdiction	17101015	0.00	2.19	2.19	1	0	0	0	1	0.000	0.120	Under	1.00	0.46	YES	YES	556	25%	36%	

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
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Possible Injury	C	\$157,482	10.8476
Property Damage Only	O	\$14,518	1.0000

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

Peer Group Summary		
Peer Group	Average Severe Crashes per Mile	No. of "Over" Locations
Major Collector, County Jurisdiction	0.160	5
Major Collector, Municipality Jurisdiction	0.000	0
Major Collector, NJDOT Jurisdiction	N/A	N/A
Minor Collector, County Jurisdiction	0.048	2
Minor Collector, Municipality Jurisdiction	0.000	0
Minor Collector, NJDOT Jurisdiction	N/A	N/A
Local, County Jurisdiction	0.101	8
Local, Municipality Jurisdiction	0.052	4
Local, NJDOT Jurisdiction	N/A	N/A

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