

New Jersey Network Screening Lists, 2023

SJTPO - Intersection List (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 ('05', '06', '07', '08')	05 - County; 06 - County Authority; 07 - Municipal; 08 - Municipal Authority Park or Institution
		intersection	At Intersection	= 'Y'	Y - Yes

Equivalent Property Damage Only (ePDO) Score Weights			
Crash Severity	KABCO Scale	2022 Dollars	ePDO Value (K=A)
Fatal	K	\$14,277,743	56.9173
Incapacitating Injury	A	\$826,309	56.9173
Non-incapacitating Injury	B	\$249,666	17.1973
Possible Injury	C	\$157,482	10.8476
Property Damage Only	O	\$14,518	1.0000

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

$$eC_{TOTAL} = [K]^*eC_K + [A]^*eC_A + [B]^*eC_B + [C]^*eC_C + [PDO]^*0$$

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

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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Rank (ePDO)	County Rank (ePDO)	MPO	County	Municipality	Major Route			Minor Route			Crashes by Severity (2017-2020)					Weighted Score (ePDO)	Is EJ Area?	Is Census Block Group Pop. < 1,000?	NJDOT SLD - Roadway Jurisdiction of Major Route	EJScreen - Census Block Group Population (Lowest Value)	EJScreen - Minority % (Highest Value)	EJScreen - Low-Income % (Highest Value)	
					SRI	Milepost	Route Name	SRI	Milepost	Route Name	Total Crashes	K	A	B	C								O
1	1	SJTPO	CUMBERLAND	VINELAND CITY	06000674	0.75	CUMBERLAND COUNTY 674	06141202	3.95	North Mill Road	40	1	0	12	9	18	378.91	YES	YES	County	744	59%	15%
3	2	SJTPO	CUMBERLAND	VINELAND CITY	06141025	1.27	EAST AVE	06141029	1.41	Chestnut Avenue	20	0	0	7	5	8	182.62	YES	YES	Municipal	657	93%	69%
4	3	SJTPO	CUMBERLAND	VINELAND CITY	06000615S	4.84	CUMBERLAND COUNTY 615 S	06141342	0.00	West Walnut Road	15	0	1	4	4	6	175.10	YES	NO	County	1,669	93%	76%
11	4	SJTPO	CUMBERLAND	VINELAND CITY	00000540	32.21	ROUTE 540	06141202	2.13	North Mill Road	24	0	0	1	10	13	138.67	YES	NO	County	2,016	64%	11%
12	5	SJTPO	CUMBERLAND	VINELAND CITY	00000056	8.21	NJ 56	06141202	1.63	South Mill Road	7	1	1	1	0	4	135.03	YES	NO	Municipal	1,209	93%	60%
17	6	SJTPO	CUMBERLAND	VINELAND CITY	00000540	34.22	ROUTE 540	06000615S	3.45	South East Boulevard	15	0	0	3	6	6	122.68	YES	YES	Municipal	657	97%	63%
18	7	SJTPO	CUMBERLAND	VINELAND CITY	06000628	2.72	CUMBERLAND COUNTY 628	06141198	0.49	Elm Road	8	0	1	1	4	2	119.51	YES	NO	County	1,209	63%	45%
18	7	SJTPO	CUMBERLAND	VINELAND CITY	06141029	1.90	CHESTNUT AVE	06141390	0.51	Valley Road	8	0	1	1	4	2	119.51	YES	NO	Municipal	1,031	93%	69%
20	9	SJTPO	CUMBERLAND	VINELAND CITY	06141356	0.76	WOOD ST	06141347	1.01	North Third Street	5	0	1	3	1	0	119.36	YES	YES	Municipal	657	97%	76%
23	10	SJTPO	CUMBERLAND	VINELAND CITY	00000555	13.24	ROUTE 555	06141020	1.26	West Butler Avenue	7	0	1	2	2	2	115.01	YES	NO	County	1,833	55%	48%
24	11	SJTPO	CUMBERLAND	MILLVILLE CITY	06101148	0.00	BUCK ST	06101130	0.34	Harrison Avenue	3	0	2	0	0	1	114.83	YES	YES	Municipal	783	55%	71%
27	12	SJTPO	CUMBERLAND	VINELAND CITY	06000672	1.32	CUMBERLAND COUNTY 672	00000540	37.33	Landis Avenue	6	0	1	2	2	1	114.01	YES	YES	County	581	25%	27%
28	13	SJTPO	CUMBERLAND	MILLVILLE CITY	00000555	10.75	ROUTE 555	06101244	0.16	F Street	8	0	1	3	0	4	112.51	YES	YES	County	585	81%	71%
29	14	SJTPO	CUMBERLAND	VINELAND CITY	06000615S	5.67	CUMBERLAND COUNTY 615 S	06141021	0.80	Elmer Road	15	0	0	1	8	6	109.98	YES	NO	County	1,669	84%	59%
31	15	SJTPO	CUMBERLAND	VINELAND CITY	06000655	4.76	CUMBERLAND COUNTY 655	06141029	4.20	Chestnut Avenue	9	0	1	2	1	5	107.16	YES	YES	County	581	51%	48%
33	16	SJTPO	CUMBERLAND	MILLVILLE CITY	00000555	6.44	ROUTE 555	06000670	10.76	Buckstutem Road	6	0	1	1	2	2	97.81	NO	YES	County	440	24%	21%
34	17	SJTPO	CUMBERLAND	VINELAND CITY	00000540	33.74	ROUTE 540	06141024	0.87	North West Avenue	5	0	1	1	2	1	96.81	YES	NO	Municipal	1,316	97%	76%
37	18	SJTPO	CUMBERLAND	VINELAND CITY	06000615S	4.25	CUMBERLAND COUNTY 615 S	06141361	0.49	Cherry Street	15	0	0	2	5	8	96.63	YES	YES	County	657	93%	76%
38	19	SJTPO	CUMBERLAND	VINELAND CITY	06000655	3.63	CUMBERLAND COUNTY 655	06141022	0.49	Magnolia Road	8	0	1	2	0	5	96.31	YES	YES	County	581	55%	48%
42	20	SJTPO	CUMBERLAND	VINELAND CITY	00000555	16.05	ROUTE 555	06141029	2.26	Chestnut Avenue	15	0	0	3	3	9	93.13	YES	NO	County	1,031	74%	69%
44	21	SJTPO	CUMBERLAND	MILLVILLE CITY	06101148	0.70	BUCK ST	06101005	0.39	Brandriff Avenue	10	0	0	2	5	3	91.63	YES	YES	Municipal	585	81%	71%
46	22	SJTPO	CUMBERLAND	VINELAND CITY	06000681	2.52	CUMBERLAND COUNTY 681	06000615N	0.75	Northeast Boulevard	9	0	1	1	1	6	90.96	YES	NO	County	1,101	81%	48%
48	23	SJTPO	CUMBERLAND	MILLVILLE CITY	06101253	0.10	BROAD ST	06101273	0.34	Church Street	5	0	1	1	1	2	86.96	YES	YES	Municipal	585	81%	71%
51	24	SJTPO	CUMBERLAND	VINELAND CITY	06141020	0.61	W BUTLER AVE	06141019	0.64	South West Boulevard	11	0	0	2	4	5	82.79	YES	NO	Municipal	1,727	63%	42%
53	25	SJTPO	CUMBERLAND	VINELAND CITY	06000615S	4.33	CUMBERLAND COUNTY 615 S	06141029	0.90	Chestnut Avenue	19	0	0	2	3	14	80.94	YES	YES	County	657	93%	76%
55	26	SJTPO	CUMBERLAND	VINELAND CITY	06000628	4.22	CUMBERLAND COUNTY 628	00000056	8.69	Landis Avenue	9	0	0	2	4	3	80.79	YES	NO	County	1,209	93%	60%
57	27	SJTPO	CUMBERLAND	VINELAND CITY	06000672	1.82	CUMBERLAND COUNTY 672	06141032	1.15	Maple Avenue	11	0	0	3	2	6	79.29	YES	YES	County	581	30%	37%
71	28	SJTPO	CUMBERLAND	VINELAND CITY	00000056	8.69	NJ 56	06000628	4.22	Orchard Road	12	0	0	2	3	7	73.94	YES	NO	Municipal	1,209	93%	60%
74	29	SJTPO	CUMBERLAND	VINELAND CITY	00000552	11.12	ROUTE 552	06141580	0.44	South East Boulevard	10	0	0	2	4	3	71.94	YES	NO	County	1,727	63%	42%
76	30	SJTPO	CUMBERLAND	MILLVILLE CITY	00000525	0.09	ROUTE 552 SPUR	06101237	0.75	Fourth Street	9	0	0	2	3	4	70.94	YES	YES	Municipal	585	81%	71%
81	31	SJTPO	CUMBERLAND	VINELAND CITY	06000615S	3.76	CUMBERLAND COUNTY 615 S	06141356	0.51	Wood Street	12	0	0	3	1	8	70.44	YES	YES	County	657	97%	76%
83	32	SJTPO	CUMBERLAND	VINELAND CITY	06141347	0.80	THIRD ST	06141358	0.76	Grape Street	5	0	0	4	0	1	69.79	YES	YES	Municipal	657	97%	76%
84	33	SJTPO	CUMBERLAND	VINELAND CITY	06000628	3.72	CUMBERLAND COUNTY 628	06141211	0.50	West Chestnut Avenue	4	0	1	0	1	2	69.76	YES	NO	County	1,209	93%	60%
88	34	SJTPO	CUMBERLAND	VINELAND CITY	00000540	34.25	ROUTE 540	06000615N	0.00	Northeast Boulevard	7	0	0	2	3	2	68.94	YES	YES	Municipal	657	97%	63%
89	35	SJTPO	CUMBERLAND	MILLVILLE CITY	00000555	11.76	ROUTE 555	06101335	0.00	Whitaker Avenue	3	0	1	0	1	1	68.76	YES	NO	County	1,398	50%	49%
89	35	SJTPO	CUMBERLAND	MILLVILLE CITY	06000670	10.76	CUMBERLAND COUNTY 670	00000555	6.44	Church Street	3	0	1	0	1	1	68.76	NO	YES	County	440	24%	21%
89	35	SJTPO	CUMBERLAND	VINELAND CITY	06141019	0.00	SOUTH WEST BLVD	06141018	0.47	Burns Avenue	3	0	1	0	1	1	68.76	YES	NO	Municipal	1,833	44%	26%
94	38	SJTPO	CUMBERLAND	VINELAND CITY	06141029	0.65	CHESTNUT AVE	06141347	0.45	North Third Street	9	0	0	0	6	3	68.09	YES	YES	Municipal	657	93%	76%
95	39	SJTPO	CUMBERLAND	VINELAND CITY	00000540	33.96	ROUTE 540	06141347	1.32	North Third Street	6	0	0	2	3	1	67.94	YES	NO	Municipal	1,316	97%	76%
105	40	SJTPO	CUMBERLAND	VINELAND CITY	00000552	9.70	ROUTE 552	06000628	1.45	College Drive	10	0	0	1	4	5	65.59	YES	NO	County	1,727	63%	42%
108	41	SJTPO	CUMBERLAND	VINELAND CITY	00000525	3.41	ROUTE 552 SPUR	00000552	15.27	Sherman Avenue	6	0	0	3	1	2	64.44	YES	NO	County	2,112	40%	48%
110	42	SJTPO	CUMBERLAND	MILLVILLE CITY	00000525	0.16	ROUTE 552 SPUR	06101229	0.30	South Fifth Street	8	0	0	1	4	3	63.59	YES	YES	Municipal	585	81%	71%
111	43	SJTPO	CUMBERLAND	VINELAND CITY	06141024	0.56	N WEST AVE	06141356	1.01	Wood Street	7	0	0	1	4	2	62.59	YES	NO	Municipal	1,209	97%	76%
111	43	SJTPO	CUMBERLAND	VINELAND CITY	00000540	35.25	ROUTE 540	06141440	0.00	Valley Avenue	7	0	0	1	4	2	62.59	YES	NO	Municipal	1,152	97%	60%
113	45	SJTPO	CUMBERLAND	VINELAND CITY	06000615S	3.98	CUMBERLAND COUNTY 615 S	06141358	0.51	Grape Street	13	0	0	0	5	8	62.24	YES	YES	County	657	97%	76%
115	46	SJTPO	CUMBERLAND	MILLVILLE CITY	06101010	0.45	HIGH ST	06101015	0.00	Broad Street	6	0	0	1	4	1	61.59	YES	YES	Municipal	585	81%	71%
121	47	SJTPO	CUMBERLAND	VINELAND CITY	06000619	1.65	CUMBERLAND COUNTY 619	06000615S	2.20	South East Boulevard	8	0	0	2	2	4	60.09	YES	YES				