

New Jersey Network Screening Lists, 2019

NJTPA - Intersection List (2014-2016 Crashes)

Developed by GPI, Jacobs, and MBO Engineering for the New Jersey Department of Transportation (NJDOT)

Submitted: Wednesday, May 1, 2019

Printed: Wednesday, May 1, 2019

Equivalent Property Damage Only (ePDO) Score Weights

Crash Severity	KABCO Scale	2016 Dollars	ePDO Value (K=A)
Fatal	K	\$11,295,400	55.0420
Incapacitating	A	\$655,000	55.0420
Non-incapacitating	B	\$198,500	16.6807
Possible Injury	C	\$125,600	10.5546
Property Damage Only	PDO	\$11,900	1.0000

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

Crash Filtering Criteria

Crash	AND	Year	IN [2014,2015,2016]	Years 2014, 2015, 2016
		County	IN [2,7,9,10,12,13,14,15,16,18,19,20,21]	2 - Bergen; 7 - Essex; 9 - Hudson; 10 - Hunterdon; 12 - Middlesex; 13 - Monmouth; 14 - Morris; 15 - Ocean; 16 - Passaic; 18 - Somerset; 19 - Sussex; 20 - Union; 21 - Warren
		Road_Sys_Code	IN [5,6,7,8]	5 - County; 6 - County Authority; 7 - Municipal; 8 - Mun Authority
		Intersection	IN [1]	1 - At Intersection

Rank (Weighted Score)	County Rank	MPO	County	Town	Major Route			Minor Route			Crashes by Severity (2014-2016)						Roadway System	Weighted Score (ePDO)
					SRI	Milepost	Route Name	SRI	Milepost	Route Name	Total Crashes	K	A	B	C	No Injury		
1	1	NJTPA	MIDDLESEX	EDISON TWP	0000529	1.06	Plainfield Avenue	12051199	0.15	Greenwood Avenue	73	0	0	2	28	43	County	371.89
2	1	NJTPA	OCEAN	LAKEWOOD TWP	0000528	32.13	Cedar Bridge Avenue	15000623	7.92	New Hampshire Road	53	0	0	7	20	26	County	353.86
3	1	NJTPA	BERGEN	ENGLEWOOD CITY	0000501	42.86	Grand Avenue	00000093	3.50	Grand Avenue	56	0	0	4	24	28	County	348.03
4	1	NJTPA	ESSEX	EAST ORANGE CITY	0000508	8.81	Central Avenue	07141876	0.64	South Munn Avenue	43	0	1	3	21	18	County	344.73
5	2	NJTPA	ESSEX	NEWARK CITY	07141865	0.82	Broad Street	07141260	0.83	West Kinney Street	35	0	2	0	21	12	Municipal	343.73
6	2	NJTPA	OCEAN	LAKEWOOD TWP	0000528	32.43	Cedar Bridge Avenue	15141436	0.73	Oberlin Av South	46	0	1	6	15	24	County	337.45
7	1	NJTPA	UNION	CRANFORD TWP	20000615	2.61	Centennial Avenue	20000607	3.16	Raritan Road	71	0	0	3	21	47	County	318.69
8	1	NJTPA	HUDSON	JERSEY CITY	0000501	28.42	Kennedy Boulevard	09061049	0.08	Audubon Avenue	46	0	1	2	17	26	County	293.83
9	1	NJTPA	SOMERSET	BRIDGEWATER TWP	0000533	29.89	Main Street	18000612	1.34	East Main Street	45	0	0	5	17	23	County	285.83
10	3	NJTPA	OCEAN	LAKEWOOD TWP	15070086	1.43	Vermont Avenue	150000832	0.38	Locust Street East	18	0	3	2	7	6	County	278.37
11	1	NJTPA	PASSAIC	PATERSON CITY	0000509	25.53	Presidential Boulevard	16081513	0.28	Arch Street	36	0	1	4	13	18	Municipal	276.97
12	4	NJTPA	OCEAN	LAKEWOOD TWP	15000639	2.54	Hope Chapel Road	0000526	30.60	County Line Road	28	0	1	5	12	10	County	275.10
13	2	NJTPA	BERGEN	PARAMUS BORO	02000059	5.01	Forest Avenue	020000801	5.41	Oradell Avenue	64	0	1	2	13	48	County	273.61
14	5	NJTPA	OCEAN	TOMS RIVER TWP	15000623	1.38	Old Freehold Road	00000571	5.21	Bay Avenue	41	0	1	5	10	25	County	268.99
15	3	NJTPA	ESSEX	MILLBURN TWP	00000577	0.92	Millburn Avenue	00000527	71.19	Main Street	27	0	2	3	9	13	County	268.12
16	6	NJTPA	OCEAN	LAKEWOOD TWP	15000623	6.71	New Hampshire Road	15141347	0.81	Oak Street	35	0	1	4	12	18	County	266.42
17	7	NJTPA	OCEAN	LAKEWOOD TWP	15000628	1.29	Prospect Street	15141063	0.18	Williams Street	39	0	1	4	10	24	County	251.31
18	4	NJTPA	ESSEX	EAST ORANGE CITY	07051823	1.30	South Clinton Street	07171145	0.99	Freeway Dr South	44	0	0	1	20	23	Municipal	250.77
19	5	NJTPA	ESSEX	NEWARK CITY	07171203	3.16	Market Street	07141895	3.14	1st Street	46	0	0	2	18	26	Municipal	249.34
20	2	NJTPA	MIDDLESEX	MONROE TWP	12000613	1.42	Spotswood-Englishtown Road	12131050	1.02	Mounts Mill Road	27	0	0	8	10	9	County	247.99
21	6	NJTPA	ESSEX	NEWARK CITY	07000603	3.49	Springfield Avenue	07142003	0.11	Broome Street	24	0	2	0	12	10	County	246.74
22	2	NJTPA	UNION	ELIZABETH CITY	20000624	1.02	North Avenue	20041015	0.97	Dowd Avenue	56	1	0	2	11	42	County	246.50
23	7	NJTPA	ESSEX	NEWARK CITY	00000510	27.10	South Orange Avenue	00000509	11.54	Grove Street	42	0	0	2	18	22	County	245.34
24	8	NJTPA	OCEAN	JACKSON TWP	00000526	24.33	West Commodore Boulevard	00000527	18.05	Cedar Swamp Road	30	1	0	1	15	13	County	243.04
25	3	NJTPA	BERGEN	EDGEWATER BORO	00000505	3.84	River Road	02000525	0.00	Gorge Road	72	0	0	1	16	55	County	240.55
26	3	NJTPA	UNION	UNION TWP	20000637	0.00	Springfield Road	00000022_W	53.65	US 22	59	0	0	0	19	40	Municipal	240.54
27	8	NJTPA	ESSEX	NEWARK CITY	07000667	0.40	Broadway	07141553	0.31	East 3rd Avenue	30	0	1	2	13	14	County	239.61
28	9	NJTPA	ESSEX	BELLEVILLE TWP	07000645	0.76	Franklin Avenue	07021869	1.40	Mill Street	40	0	1	0	15	24	County	237.36
29	9	NJTPA	OCEAN	TOMS RIVER TWP	00000549	2.32	Hooper Avenue	00000571	4.23	Bay Avenue	46	0	2	1	7	36	County	236.65
30	4	NJTPA	BERGEN	PALISADES PARK BORO	02451054	0.53	East Palisades Boulevard	02451010	0.32	Fifth Street	27	0	1	0	16	10	Municipal	233.92
31	10	NJTPA	ESSEX	BELLEVILLE TWP	07011223	0.13	Main Street	07011128	0.00	Little Street	57	0	0	2	15	40	Municipal	231.68
32	5	NJTPA	BERGEN	HACKENSACK CITY	00000503	6.03	River Street	02000060	0.25	East Anderson Street	50	0	0	3	14	33	County	230.81
33	10	NJTPA	OCEAN	TOMS RIVER TWP	00000571	3.37	Bay Avenue	15000022	0.00	Cedar Grove Road	29	0	0	6	11	12	County	228.18
34	11	NJTPA	ESSEX	NEWARK CITY	07141922	0.63	Orange Street	07141895	3.60	1st Street	31	1	0	3	10	17	Municipal	227.63
35	6	NJTPA	BERGEN	HACKENSACK CITY	00000503	7.04	Hackensack Avenue	00000004_W	5.67	Mackay Highway	58	0	0	1	16	41	County	226.55
36	2	NJTPA	PASSAIC	CLIFTON CITY	16000602	1.29	Allwood Road	16000602_N	1.29	Allwood Road	107	1	0	1	5	100	County	224.50
37	4	NJTPA	UNION	CRANFORD TWP	20000615	3.86	Centennial Avenue	20000610	5.61	South Avenue	43	0	1	2	10	30	County	223.95
38	12	NJTPA	ESSEX	NEWARK CITY	07000603	2.91	Springfield Avenue	07141895	2.24	Bergen Street	38	0	0	2	16	20	County	222.23
39	2	NJTPA	HUDSON	HARRISON TOWN	09000697	0.67	Frank E Rodgers Boulevard South	09041021	0.32	Bergen Street	41	0	1	2	10	28	County	221.95
40	13	NJTPA	ESSEX	NEWARK CITY	00000510	25.97	South Orange Avenue	07000605	1.59	Sandford Avenue	28	1	0	1	13	13	County	221.93
41	14	NJTPA	ESSEX	BLOOMFIELD TWP	07000652	0.00	Kennedy Drive	00000506	8.19	Belleville Avenue	39	0	0	3	14	22	County	219.81
42	7	NJTPA	BERGEN	TEANECK TWP	02000039	2.12	Teaneck Road	020000563	1.77	Degraw Avenue	51	0	1	1	10	39	County	216.27
43	15	NJTPA	ESSEX	IRVINGTON TWP	07000603	1.53	Springfield Avenue	00000509	10.33	Grove Street	51	0	0	2	14	35	County	216.13
44	16	NJTPA	ESSEX	NEWARK CITY	07141865	0.49	Broad Street	07141906	0.00	South Street	29	0	0	4	13	12	Municipal	215.93
45	8	NJTPA	BERGEN	WASHINGTON TWP	00000502	15.45	Washington Avenue	02000063	3.05	Pascack Road	48	0	0	2	14	32	County	213.13
46	11	NJTPA	OCEAN	LAKEWOOD TWP	15000623	6.11	New Hampshire Road	15140040	1.32	Chestnut Street	50	0	0	1	15	34	County	209.00
47	17	NJTPA	ESSEX	IRVINGTON TWP	07000603	1.47	Springfield Avenue	07091825	0.79	North Maple Avenue	28	0	0	4	12	12	County	205.38
48	18	NJTPA	ESSEX	NEWARK CITY	07141865	0.96	Broad Street	07091883	2.24	Walnut Street	26	0	1	0	13	12	Municipal	204.25

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

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					SRI	Milepost	Route Name	SRI	Milepost	Route Name	Total Crashes	K	A	B	C	No Injury		
97	8	NJTPA	UNION	LINDEN CITY	00000514	40.29	Elizabeth Avenue	20000615	0.59	South Stiles Street	29	0	1	1	8	19	County	175.16
98	39	NJTPA	ESSEX	MONTCLAIR TWP	07000623	0.12	Grove Street	07081356	0.34	Glenridge Avenue	23	0	0	3	11	9	County	175.14
99	40	NJTPA	ESSEX	NEWARK CITY	00000508	10.17	Central Avenue	07141895	3.26	1st Street	41	0	0	0	14	27	County	174.76
100	15	NJTPA	BERGEN	PARAMUS BORO	02000076	2.73	Century Road	020000621	4.78	Paramus Road	41	0	0	0	14	27	County	174.76